1947

1949

1950

1952

1954

DEPARTMENT OF
CHEMICAL ENGINEERING.
DIRECTOR OF THE DEPARTMENT:
PROFESSOR F. H. GARNER.

PROFESSOR STACEY G. WARD.

TELEPHONE:
SELLY OAK 1181.

THE UNIVERSITY,
EDGBASTON,
BIRMINGHAM, 15.

30th September, 1947.

G. Natta, Esq.,
Instituto di Chemica Industriale del
Politecnico di Milano,
Milan,
Italy.

Dear Sir,

I wish to express my thanks for your kindness in sending copies of the two papers to which I referred in my letter of September 10th.

Yours faithfully,

F. H. Garner

DEPARTMENT OF CHEMICAL ENGINEERING.
DIRECTOR OF THE DEPARTMENT:
PROFESSOR F. H. GARNER.

PROFESSOR STACEY G. WARD.

TELEPHONE:
SELLY OAK 1181.

THE UNIVERSITY,
EDGBASTON,
BIRMINGHAM, 15.

18th September, 1947.

G. Natta, Esq.,
Istituto di Chemica Industriale del
Politecnico di Milano,
Milan,
Italy.

Dear Sir,

We have been especially interested in your papers on extracted distillation and have obtained a copy of your article in "La Chimica e L'industria" for 1947 but have not been able to obtain copies of your two articles in the same Journal in 1942.

We should be very grateful if you could let us have copies of the latter.

Yours faithfully,

F.H.Garner

3 Luglio 1947

The General Secretary,
the Chemical Society,
Burlington House,
Piccadilly,
London, W.I.

Dear Sir,

I am very sorry to be unable to accept the Kind invitation of the President and Council of the President Society to the Luncheon, of the 23rd of July, because I am leaving today for the U.S.A. and I shall not be back in time for the Congress.

Will you excuse me, please, and thank for me the President and Council of the Chemical Society.

Your's very truly

(Prof. Giulio Natta)

PETROCARBON LIMITED

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TELEPHONE: TRAFFORD PARK 2651
TELEGRAMS: "PETROCARB, MANCHESTER"

Professor G. Natta,
Piazza Leonardo da Vinci 32,
MILAN,
Italy.

12th August, 1949.

Dear Professor Natta,

Very many thanks for your letter. It ~~was~~ very kind of you to send me the photostat copy of your article, and I am very much looking forward to receiving it.

With kind regards,

I am,
Yours sincerely,

H. Steiner

(H. Steiner).

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SIR ROBERT ROBINSON, M.A., D.Sc., LL.D., F.R.I.C., F.R.S.
MANAGING DIRECTORS:
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TELEPHONE: TRAFFORD PARK 2651
TELEGRAMS: "PETROCARB, MANCHESTER"

Our Ref: HS/BMW. 6th. September, 1949.

Professor G. Natta,
Piazza Leonardo da Vinci 32,
MILANO,
I T A L Y.

Dear Professor Natta,

Very many thanks for sending me a photo-copy of your paper on catalysts and promoters: I found it most interesting.

Do you know that next year there will be a discussion of the Faraday Society at Liverpool dealing with exactly that particular subject?

With kind regards,

Yours sincerely,

H. Steiner

H. Steiner.

10 September 1949

Dr.H.Steiner
Petrocarbon Limited
Twining Road, Trafford Park
Manchester 17

Your Ref: [illegible]

Dear Dr.Steiner

Professor Natta is go to Buenos Ayres and he charged me to reply to his letters.

I Thank you very much for the interesting informations on the catalysis meeting that will be at Liverpool. I hope we can be present at the discussions.

With best regards

Yours very truly

(Prof.N.Agliardi)

P

Dr. H. Steiner
Petrocarbon Limited
Twining Road, Trafford Park
Manchester 17

10 September 1949

Your Ref: HS/BMW

Dear Dr. Steiner

Professor Natta is go to Buenos Ayres and ~~[illegible]~~ he charged me to reply to his letters.

I thank you very much for the interesting information on the catalysis meeting that will be at Liverpool. ~~[illegible]~~ I hope we can be present at the discussions.

With best regards

Yours very truly

Kim ags

RAVEN OIL COMPANY LTD

IN ASSOCIATION WITH MANCHESTER OIL REFINERY LTD

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And at TWINING ROAD, TRAFFORD PARK MANCHESTER 17 · *Telephone :* Trafford Park 2651

Your Ref :
Dated

Our Ref : JGH/PH
Date 9th May 1949.

Professor Giulio Natta,
Piazza Leonardo da Vinci 32,
Milan, Italy.

Dear Sirs,

Further to your letter of the 30th April to Dr. Kind regarding a fat-splitting agent, we should like to confirm the letter of Manchester Oil Refinery Ltd. (whose export organisation we are) of May 6th, that a sample of our Vitanol as well as samples of oil- and water-soluble petroleum sulphonates have been sent to you.

We should be very pleased to hear from you when you have had an opportunity of carrying out some tests. In the meantime we are enclosing some further information on Vitanol which we hope will be of interest to you. If you require any more details please do not hesitate to let us know.

Information as to availability and prices can also be obtained from our representative in Italy,

Dott. Massimiliano Massa,
Via Senato 20,
Milan.

We remain,

Yours faithfully,
RAVEN OIL COMPANY LTD.

for Director.

Enc.

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Wilson's Three Letters

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MM/gr

Milano, 12 Maggio 1949

Preg.mo Sig.
PROF.GIULIO NATTA
P.za Leonardo Da Vinci, 32
M I L A N O

La mia Rappresentata Raven Oil Company Ltd. di Londra mi trasmette copia della lettera scritta=Le il 9 corr. per annunciarLe l'invio del suo agente separatore dei grassi denominato

"VITANOL"

nonché i campioni dei SULFONATI PETROLIFERI SOLUBILI IN OLIO E IN ACQUA.

Come scrittoLe dalla mia Casa stessa, Le confermo che sono con piacere a Sua completa disposizione per qualunque eventuale schiarimento potesse occorrerLe e colgo intanto l'occasione dell'incontro per porgerLe i miei ben distinti saluti.

DOTT.MASSIMILIANO MASSA

OLTREMARE BLEU GUIMET
in tutte le gradazioni di tinta
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OLII DI LINO, DI LEGNO, DI RICINO
E DI OITICICA
GILSONITE - ASFALTI
POMICI ARTIFICIALI DI GAMBURGO
SOLVENTI D'OGNI TIPO
OLII MINERALI

Tutte le offerte s'intendono soggette all'approvazione da parte della rispettiva Rappresentata.

Tutte le quotazioni fatte e l'esecuzione di tutti gli ordini assunti, sono subordinati alla possibilità di importazione della merce e soggetti alle variazioni del cambio, dei dazi doganali, dei noli e delle assicurazioni marittime, nonchè alle conseguenze derivanti da scioperi, incendi, guerre ed altre contingenze contrarie dipendenti da cause di forza maggiore.

G.F. REDFERN & Co.

Redfern House
Dominion Street
LONDON E.C. 2.

29th December 1949

Messrs. Azienda Nazionale Idrogenazione
Combustibili A.N.I.C.
Via Albania n. 20
Milan, Italy.

Dear Sirs;

Unites Kingdom Patent Application
n. 28256 of 1947. G. NATTA and D. PAGANI

We wish to remind you of our letter of the 25th October last in which we reported an official Letter, which we had received from the Patent Office, to you.

As a reply to this official Letter must be filed by the 14th April 1950 we shall be pleased to receive your instructions as soon as possible.

Your faithfully,

Luglio 1949

Mrs Olga Klingenberg
30 Abbey Lodge
Regents Park
London N W 8

Dear Olga,

At last I am leaving for England.

Tomorrow I am flying from Zürich to London, although Rosita is furious about my going by air. As soon as I get to London I shall leave for Liverpool and the next day for Manchester I hope to finish my work by Saturday and to be able to come to London on Sunday morning.

When I am in London I shall ring you up.

You are probably astonished at my letter in English, but you can't imagine how well and fluently I speak it and not on account of Rosita.

I'll be delighted to see you and your father again.

All the best ~~yours~~.

yours

P.S. My adress in England is: Liverpool Hotel Adelphy
~~15th~~ 14th
Manchester, Hotel Midland
15th - 16th
London, Hotel Park Lane
17th - 18th

4. 12.1948

Mr A.V. Billin Ghame
Industrial Development Management
Shell Petroleum Co
St Helens Court
London EC3

Cher Monsieur.

J'ai été heureux de faire votre connaissance à Bruxelles et je vous assure que j'aurai grand plaisir de vius voir si vous viendrez en Italie et de continuer les interessantes conversations sur la chimie des sous-produits de l'industrie du pétrole.

A' ce sujet je me permets de rappeller votre attention sur les faits suivants:

1)L'industrie italienne du caoutchoux synthétique, Soc. SAIGS (dont je fais part du conseil d'administration et je suis chimiste-conseille) a une fabrique près de la ville de Ferrara, qui pourrait produir 10.000-12.000 t/an de Buna S et une trèè belle installation pour la production du styrolène. On envisage une réprise de son activité dès qu'on pourra disposer de butylène brut, sous-produit de l'industrie pétrolifère. On pourrait examiner aussi l'utilisation des autres oléfines en des autres installations de la même fabrique.

2) Il nous interesse de savoir si la Soc. Shell dans ses programmes en Italie prevoit de disposer dans le future prochain des quantités sensibles de butylène et si elle pourrait prendre en consideration une livraison à la Soc. Saigs.

En occasion d'une eventuelle votre visite en Italie j'aurais aussi plaisir de parler avec vous de nos etudes sur l'oxosynthese avec des catalyseurs solides et en particulier sur la production d'alcool primaires, d'acides gras, d'estères à partir des olefines, carbonmonoxyde et hydrogène, que, à mon avis pourrait avoir des applications pratiques.

En attendant vos nouvelles je vos prie d'agréer mes meilleures salutations

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TELEGRAMS: REFINERY, ECCLES, MANCHESTER

RESEARCH LABORATORIES:
TWINING ROAD, TRAFFORD PARK, MANCHESTER, 17

Our Ref: HS/BW. 13th. March, 1952.

Professor G. Natta, D'Ott.Ing.,
Piazza Leonardo da Vinci, 32.,
MILAN,
Italy.

Dear Professor Natta,

During our meeting in Milan we discussed the possibility of using tri- and tetra isobutene as starting material for the OXO reaction. Accordingly we have prepared for you 2 litres each of these compounds. They are being sent to you in Milan (to the Instituto de Chimica Industriale Politecnico), and on the attached sheet you will find some analytical data.

Since I had that discussion with you it occurred to me that our ideas of preparing alcohols for detergents from the trimer and the tetramer may perhaps be not so good after all. The trimer probably has too short a chain, and in the tetramer the isomers with the double bond in the middle of the molecule prevails. The resulting alcohols may therefore be not too valuable, also the reaction may not be too smooth. Nevertheless, I think this is an experiment well worth trying, and I would be very interested in the result. Would it be possible to return to us some of the alcohols for further experiments ?

During our meeting you also told me of the extremely interesting experiments which you carried out on the OXO reaction using propylene as charging stock. I mentioned that we might be interested in this work, and I have since discussed with my Directors in Manchester the possibility of a collaboration of ourselves with yourself. I am writing now to find out whether such a collaboration is possible.

(continued.....

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PETROCARBON LIMITED.

To: Professor Natta, Milan. 13th. March, 1952.

continued.....

There are, of course, many ways in which this could be done, and we are open to any suggestions you may put forward. We are also aware of the fact that you are closely tied in this matter to Montecatini, but as you, yourself, mentioned it should be possible to find some arrangement to which Montecatini could agree or could be a partner.

I wonder whether you could consider my proposal, and let me have an answer at an early date.

Finally, may I thank you once more for the very interesting morning which I spend at your Institute. I enjoyed this visit very much indeed, and I was greatly impressed by the interesting work which you are carrying out.

Yours sincerely,

H. Steiner

H. STEINER.

ANALYTICAL DATA: Tri- and Tetra Butylene.

Ref.No. R.C./3/52/9. - Trimer.

Ref.No. R.C./3/52/10. - Tetra.

	Trimer.	Tetra.
Sp. Grav.	0.780/15.6°C.	0.797/15.6°C.
Vol. % Distilled 1 BP.	93.0°C	226°C
10%	174.0°C	239°C
20%	176°C	240°C
30%	178°C	240°C
40%	178°C	241°C
50%	178°C	241°C
60%	179°C	242°C
70%	181°C	242°C
80%	183°C	243°C
90%	186°C	244°C
F.B.P.	187°C	245°C
T.R.	96.0%	96.5%

March 24,1952

Politecnino

Mr. H. Steiner
Petrocarbon Limited
Twining Road,Trafford Park
Manchester,17

Dear Mr. Steiner,

I am in receipt of your letter of 13 March.

I enjoyed our meeting in Milan very much indeed and thank you for your visit.

Very likely,the double bond in the middle of the molecule of the tetramer reacts very uneasily in the Oxo reaction,hence practically the terminal double bond will be only able to react quickly. In this case,it would be possible to separate the middle double bond tetramer unreacted after the reaction.

As soon as we shall have received the compounds sent by you,we shall do some trials and then send you the alcohols produced.

In regard to the oxosynthesis using propylene as starting material,yields in n-butyrraldehyde are very high and,as soon as the Ferrara plant will work,I advice you to get in touch with the Montecatini Society,if you are interested in applying this procedure in England.

Please remember me to Mr. Kind. With my best personal regards,I am

Yours sincerely

(Prof.G.Natta)

EMBASSY OF THE UNITED STATES OF AMERICA

OFFICE OF THE NAVAL ATTACHE

LONDON, ENGLAND

PLEASE ADDRESS REPLY TO:
THE ASSISTANT NAVAL
ATTACHE FOR RESEARCH
KEYSIGN HOUSE,
429 OXFORD STREET, W.1.

In reply please refer to:
ONRL:MJL:chj
Serial: 4043 /NA4

5 August 1952

Professor Giulio Natta
Istituto di Chimica Industriale
Milano

Dear Professor Natta:

We are sorry to inform you that the Proceedings of the Symposium of Acoustics and Chemistry which took place in Cleveland have not as yet been published. As far as we know no definite date of publication has as yet been set.

We have made a note of your interest and should we receive copies for distribution, we will be glad to include your name on our list.

Sincerely yours,

Mary J. Locke

Mary J. Locke
Technical Information Specialist

July 8,1952

Politecnico

Office of Naval Research
American Embassy
34,Grosvenor Sq.
London,W.1

I received the list of communications read to the Symposium of Acoustics and Chemistry,which took place at Cleveland last May. As subjects that have been discussed are very interesting for my Institute,I should be very grateful to you,if you will kindly send me the eventual acts of this Symposium,or let me know the reviews on which integral texts of communications will be published.

I am particularly interested in these works:

C.Sollger - Colloidal applications of Ultrasonic waves
W.P.Mason - Ultrasonic methods for measuring the relaxation spectrum of long chain polymers
J.L.Stewart - Determination of molecular structure of gases from the propagation of sound
R.Lagemann - The correlation of ultrasonic velocities in liquids with molecular structure
E.Riedemann - Molecular structure and sound velocity in liquids:semiempirical relations and quantum-mechanic treatement
F.T.Gucker - Ultrasonic determination of the adiabatic compressibility of aqueous solutions
L.Liebermann - Chemical reaction kinetics and acoustic waves
W.Roth,S.Rich - A continuous ultrasonic wind velocimeter

And should like to have,if possible,a copy of their manuscripts,if they will not be published soon.

With best regards,I am

Yours faithfully

(Prof.Giulio Natta)

TELEPHONE
MAYFAIR 6618.

170, PICCADILLY
LONDON · W·1

Londra, 11 giugno 1952.

Caro Prof. Natta,

allego alla presente una copia della mia lettera in data odierna al Suo amico il Prof. Agliardi del quale gradirò assai fare la conoscenza.

Colgo questa occasione per ringraziarLa ancora una volta per tutte le cortesie di cui fui l'oggetto durante la mia visita al Suo Laboratorio. Sono rimasto assai impresso dal Suo ottimo personale e dalla Sua organizzazione.

Sperando di avere il piacere di incontrarLa nuovamente tra non molto, Le porgo i miei più cordiali saluti,

Suo,

F. Kind.

Preg.mo
Prof. Ing. G. Natta,
Piazza Leonardo da Vinci 32,
Milano.

1 allegato.

RM/

c.c. Prof. Ing. G. Natta, Milano.
c.c. Miss Versich, Milano.

Londra, 11 giugno 1952.

Caro Professore,

il prof. Nata che ho il piacere di contare tra i miei amici e che incontrai a Milano pochi giorni or sono, mi parlò di Lei.

Gradirei assai l'eppertunità di fare la Sua conoscenza durante una delle mie visite a Milano. Mi troverò probabilmente in quella città verso la fine del mese corrente oppure al principio del prossimo e ho pregato il mio ufficio:-

Kappa S.r.l.
Via P. Verri 10,
Milano,
Telefono n° 79.46.45

di mettersi in contatto con Lei per fissare un appuntamento ad una data che sia convenient a Lei quanto a me.

Sperando che questa mia richiesta venga a materializzarsi tra non molto e anticipando il piacere di conoscerLa, distintamente La saluto.

F. Kind.

Preg.mo
Dottore M. Agliardi,
Milano,
Via Ceradini 16.

MK/

IRLAM 2601.

PARTINGTON INDUSTRIAL ESTATE,
URMSTON,
MANCHESTER.

16th January, 1950.

Professor G. Natta,
Via M. Pagano 54,
MILAN.
Italy.

Dear Professor Natta,

Many thanks for your beautiful postcard and for the good wishes for the New Year. I reciprocate them most cordially to you and Mrs.. Natta, and I look forward with great pleasure to seeing both of you when I am next in Milan. I envy you a little that you are so near the beautiful mountains and that it takes you only a journey of a few hours to be right in the middle of it. I have to compensate myself by looking out of my window and seeing Petrochemicals, which is also quite an attractive sight!

Kindest regards,

Yours sincerely,

F. Kind.

TELEPHONE
MAYFAIR 6618.

170, PICCADILLY
LONDON · W·1

18th March, 1953.

Prof. Ing. G. Natta,
Piazza Leonardo da Vinci 32,
MILAN,
Italy.

Dear Professor Natta,

In the absence of Dr. Kind, I just wanted to let you know that you will be receiving from Monsieur J. Noblot of Paris, at the suggestion of Dr. Kind, a sample of rice husks. Dr. Kind would be pleased to hear from you after you have tested them whether they would be suitable for the manufacture of furfural by your process and to have a full report on the matter.

Yours sincerely,

M of T

V. B. P. Dow

Secretary to
Dr. Kind

MB

March 24,1953

Dr. F. Kind
170,Piccadilly
London W 1

Dear Doctor Kind,

I am in receipt of a letter of your Secretary Mr.Mott, who provided to send me a sample of rice husks.

I wish to inform you that last week Dr. Brownlee of the Quaker Oats Ltd. Visited us,and we have concessed to the Quaker Oats an option on our processings for furfural production,excluding the Mediterranean basin and the French colonies.

Also,I am informing you that we are building,with De Nora Co., a pilot plant which will realize some important improvements to our processing.

Therefore,I think that in a short time we shall have better and surer guarantees for the processing.

With best regards,I am

sincerely Yours

(Prof.G.Natta)

A. Keller
761 Rochdale Road
Queens Park
Manchester 9.

Prof. Giulio Natta
Instituto Chimica Industriale
Politecnico
Piazze Leonardo da Vinci 32
Milano

den 27,Mai 1950

Seehr geehrter Herr Professor !

Ich beziehe mich auf unsere Begegnung in Marburg wo wir über die Möglichkeit einer Zusammenarbeit mit der I.C.I. gesprochen haben,indem darüber die Rede war dass die IeC.I. Sie mit Polymermustern versehen sollte für Ihre Arbeit mit Ultraschall. Jetzt teile ich es Ihnen mit,/rein persönlich,unoffiziell/ dass ich die Sache bei der I.C.I. vorgeschlagen habe ,aber es wird einige Wochen dauern bis ich eine Antwort bekommen wede.Die offizielle Antwort werde ich Ihnen,so bald wie ich sie bekommen werde,versenden.

A. Keller.

A. Keller.

26.Juni 1950

Mr.A.Keller
761 Rochdale Road
Queens Park
Manchester 9

Sehr geehrter Herr Doktor,

Ich danke Ihnen fuer Ihren Brief v.27.Mai

Im Fall, dass die I.C.I. gut charakterisierte Muster von Polythenen oder von anderen Hochpolymeren mir schicken wird, werde ich sie mit Ultraschall pruefen, und die erhaltenen Angeben bald morglich Ihnen mitteilen.

Besonder interessant wäre es Polymeren mit gleichem Molekulargewicht und verschiedenem Verzweigungsgrad, oder Vernetzung zu pruefen.

Mit besten Grüssen

(Prof.G.Natta)

J. BIBBY & SONS LTD
TELEGRAMS, "TREXIT" LIVERPOOL
TELEPHONE. CENTRAL 6671

GREAT HOWARD STREET
LIVERPOOL, 3.

OUR REF HJ/RIH. YOUR REF

Professor G. Natta,
Instituto di Chimica industriale
del Politecnico,
Milano,
ITALY.

5th December, 1950.

Dear Professor,

We have noted with great interest in the Chemical Trade Journal, Nov. 24, 1950, p.1204, that you have read a paper to the International Chemical Congress describing a new process for the production of furfural.

In the last few months we have been considering setting up a small plant for the production of furfural from cotton seed husks and other residues from our seed crushing plants. In the hydrolysis/dehydration stage, we have envisaged a battery of 3 or 4 digestors to ensure a continuous supply of steam/furfural vapour to the distillation section; that is applying similar principles to those used by the Quaker Oats Co.

Before going much further with our present plans, we should be very glad indeed to have an opportunity of reading your paper, if it could be made available to us. We realise that there may be some delay with the general publication, and venture to suggest that you might consider sending us on loan an advance copy for perusal.

Yours very truly,

for J. BIBBY & SONS, LTD.,
Research Department.

H. Jasperson

(H. Jasperson.)

by airmail:

Dear Sir

Con riferimento alla Vostra lettera del 5 dicembre, Vi invio una copia della conferenza che ho presentato al Congresso di Chimica di Milano sulla produzione del furfurolo con un nuovo processo continuo.

Il nostro procedimento fornisce rese più elevate dei procedimenti basati sull'impiego di acido solforico ed è stato provato in un impianto pilota a Colleferro (Roma) della capacità di 200 Kg/giorno di furfurolo. Attualmente abbiamo in progetto un impianto di 3 t/giorno.

I materiali che si prestano meglio ad essere trattati con il nostro procedimento sono la lolla di riso ed il tutolo di granturco.

Nel nostro impianto pilota non abbiamo mai provato cottonseed hunks. Da prove di laboratorio, si è riscontrato che questo materiale può fornire rese molto alte ma a causa della sua leggerezza e della tendenza a feltrare non può essere introdotto e scaricato automaticamente dagli apparecchi di reazione adatti per la lolla di riso.

Per il seme di cotone occorrerebbe studiare un dispositivo, meccanico per il movimento del materiale. Riteniamo che il problema sia risolvibile ma richiede uno studio apposito in un impianto pilota.

27th Dec. 1950

Mr. Jasperson
for J.Bibby e Sons, Ltd.
Research Department
Great Howard Street
Liverpool, 3

Dear Sir,

Referring to your letter of Dec. 5th, I am sending you a copy of the paper I read to the International Chemical Congress held in Milan, describing a new continuous process for furfural production.

Our process gives higher yields than those based on the employment of sulfuric acid, and it has been applied with the best results in a pilot-plant at Colleferro (Roma), producing 200 Kg a day of furfural. At present we are planning a 3t/day plant.

Among the materials we experimented, the most convenable to be treated with our process are rice husks and corncobs.

In our pilot plant we never experimented cottonseed husks. In laboratory experiments, we found that this material can give very high yields, but, because of its lightness and felting tendency, it cannot be introduced and discharged automatically from reaction apparatus, which had been set up for other materials and are particularly suitable for rice husks.

As to cottonseed, it would be necessary to study a mechanical disposal for material's motion. We believe that this question is to be solved, but it requires a suitable study in a pilot plant.

Yours sincerely

(Prof.G.Natta)

THE UNIVERSITY OF BIRMINGHAM

TELEPHONE: SELLY OAK 1181.

DEPARTMENT OF CHEMISTRY.

MASON PROFESSOR AND
HEAD OF DEPARTMENT
H. W. MELVILLE, F.R.S.

EDGBASTON,
BIRMINGHAM, 15.

14th December, 1954.

Professor G. Natta,
Instituto di Chimica Industriale
del Politechnico,
Plazza Leonardo de Vinci, 32,
Milano.

Dear Professor Natta,

Many thanks for your letter about the work on radio chemistry. I am sending under separate cover all the reprints we have so far published on this subject. There are many more in the course of preparation and I will forward copies as soon as they are available.

I shall be very glad to help you in any way with regard to the application of these most useful methods. As far as materials are concerned, we obtain them from the Radio Chemical Centre at Amersham. They have been extremely helpful in providing us with starting materials for our various researches.

If thereis any further information

you require please let me know and I will do what I can to help.

With kind regards,

Yours sincerely,

P.R. H. W. McWille

December 21, 1954

Professor H.W.Melville
Department of Chemistry
The University of Birmingham
EDGBASTON, BIRMINGHAM 15 (En

Dear Sir,

I received your letter of 14th December and I thank you very much for your kindness in sending me copies of your papers and I am grateful to you for all the information you give me.

I take this opportunity to send you my best wishes for a Merry Christmas and a Happy New Year.

Sincerely yours,

G.NATTA

9 Dicembre 1954

Prof. H.V.MELVILLE
Chemistry Department
The University
Edbaston, Birmingham, England

Dear Sir,

I was very glad to meet you again during the International Symposium on Macromolecular Chemistry and to have with you some interesting discussion.

Now we are developing some recherches on the polymers obtained in our Institute, and I am very interested in some radiochemistry question. Therefore, as you presented at the Symposium a paper on this argument, I should be very grateful to you if you can kindme have a copy of your paper and, eventually, of other reprints of related works. Particularly, I am interested in the studies concerning the radicalic and ionic polymerizations initiation and double bonds determination on high polymers.

Awaiting your kind reply, I am,

Sincerely yours,

G.NATTA

Inglitterra

Torino 30 Aprile 1954

Prof. H.W. MELVILLE
82 Reddings Road
MOSELEY - BIRMINGHAM

Dear Prof. Melville,

Herewith I am enclosing an invitation letter to our Symposium for Prof. GEE: you will oblige me very much by sending it to him, because I do not know his adress and also if you could insist in order that Prof. Gee decides himself to accept our invi= tation.

Thank you very much and many regards.

Sincirely yours

Prof. Antonio Nasini

ATOMIC ENERGY RESEARCH ESTABLISHMENT,
HARWELL,
near DIDCOT,
BERKS.

Tel. ABINGDON 620

15th December, 1954.

Prof. Natta,
Istituto di Chimica,
Industriale,
Politecnico,
Milano,
Italy.

Dear Prof. Natta,

I hope that by now you will have received some samples of irradiated polythene for your X-ray studies. I would very much like to receive from you some samples of high molecular weight polymethylene, both in the oriented and unoriented sheet. We have already carried out some work on polymethylene and we would be glad to do some further studies in conjunction with you. The samples which we can easily irradiate should fit into a can about 6 cms. long and 2 cms. in diameter. Any sample which fits a can of this size, we can easily irradiate. If necessary we can carry out irradiations in nitrogen, although this is more difficult.

I would also be glad to receive from you any other samples of polymers which you would like to study with us.

With best wishes,

Yours sincerely,

A Charlesby

A. Charlesby.

December 23, 1954

Prof. Arthur Charlesby
Atomic Energy Research Establish
Harwell - Didcot - Berks (Englan

Dear Prof. Charlesby,

I thank you very much for your letter of 15th December, and I inform you that we examined the polythene samples you send me. We have observed from XRay diagrams a gradual decrease of crystallinity according to the exposure to -radiations. There is also a slight change in the structure of the amorphous part in strongly irradiated polythenes. We are atudying now the change in crystallinity with temperature. I hope that I shall be able to send you the results of this study within a month.

I am sending you a little sample of oriented polymethylene and two samples of unoriented polymethylenes. If you may send me these samples after irradiation, we shall examine the modifications in the crystalline structure.

I take this opportunity to send you best wishes for a Merry Christmas and a Happy New Year.

With my personale regards, I am,

Sincerely yours,

G.NATTA

P.S. I hope to send you other interssing samples next time.

UNITED KINGDOM ATOMIC ENERGY AUTHORITY

Atomic Energy Research
Establishment,
HARWELL, Didcot, Berks.

11th October, 1954

Professor Natta,
Istituto Chimica Ind.,
POLITECNICO,
Milano.

Dear Professor Natta,

Accepting your kind invitation, I had the pleasure of visiting your laboratories on Tuesday 5th October. Dr. Corradina, who showed me your facilities was extremely helpful, and I would like to thank him for his kindness.

I was particularly impressed by the general layout of the laboratories, and the fine equipment you have available. Several of the problems your scientists are investigating have been of considerable interest to me, particularly the analysis of the amorphous x-ray pattern of polythene and similar polymers. Dr. Corradini has made a very brave attempt to interpret these patterns, and although his results are not beyond doubt, I do hope he will be able to publish them very shortly. The major problem here is the interpretation of the haloes:-

(i) The halo at 1.2A would correspond to the C-C spacing. It would be very interesting to measure this spacing on your x-ray machine, for different polymers.

(ii) The halo at 2.2A (according to Dr. Corradini) corresponds to a pseudo-crystal structure in polythene, and a C-C-C spacing in other polymers. Intensity measurements should give information on this although one would expect the origin of the halo to be common to all these polymers.

(iii) The 4.5A halo may be related to a crystal modification, which gives a sharp line at abou the same spacing. We obviously want to know more about this new crystal structure, which has also been reported by Bryant of Dupont.

One of the interesting problems we have been working on concerns the influence of irradiation and crosslinking on the x-ray structure of many of these polymers. This may help considerably in interpreting the patterns; for example irradiated polythene can be stretched above its melting point, and this may give an oriented halo patterning which would be easier to interpret. I wonder whether you would like to co-operate with me in this new field, with joint publication. I have at present one scientist working with electron diffraction, and another (part time) with x-rays. In addition, I have many people to carry out irradiation of polymers etc., In the course of many years I have also obtained many electron diffraction data on other polymers, which have not yet been published. If you are in favour of this proposal for collaboration, we could discuss the details. Alternatively, perhaps you could suggest another problem in which such co-operation could be useful.

I would like to thank you very much indeed for your part in the conference, which was very successful both scientifically and socially. We were very impressed by the excellent organization and hospitality, as well as by the many interesting papers.

I hope to receive from you a small sample of polypropylene as soon as possible to discuss whether this crosslinks or degrades. I shall not make any disclosure without your permission and shall give full acknowledgements to you.

With best wishes,

Yours sincerely,

A Charlesby

A. Charlesby.

October 29, 1954

Doctor A.Charlesby
Atmic Energy Research Establ.
HARWELL. Didcot, Berks. (Engla

Dear Doctor Charlesby,

I have been very glad to make your acquaintance in Milan. I thank you very much for the copies of your interesting papers on irradiated polymers that you left for me to Dr. Corradini, and for your kind letter of [illegible] 11. Excuse me for the delay with which I am going to answer your letter; last week, I had got to go to Naples to attend a Congress.

I shall be glad to examine by X-Rays all the samples you will like to send us in connection to the questions outlined in your letter. I am strongly in favour of your proposal for collaboration.

I should like to send you for irradiation samples of high molecular weight unbranched polymethylenes, both in oriented and unoriented sheets, and a sample of structurally modified polymethylene which, on X-Rays examination, gives rise to the 4.55 Å extrareflection I should like to know how do you prefer our samples sized.

Maybe I shall have the opportunity in few months to come to England. Please write me whether I may meet you in Harwell. For that time I hope I shall have some other polymers available, on which I think it would be interesting to study the effect of irradiation.

With best wishes,

Sincerely yours,

(G.Natta)

Milano - 21 Aprile 1954

Mrs. W.R.Collingwood
4 A St. Peter's 59
London W 6

Gentile Signora,

Da molto tempo volevo ringraziare Lei e Suo marito delle Loro cortesie in occasione del nostro movimentato viaggio in aereo, e del Suo interessamento a Londra. La prego di scusarmi se non l'ho fatto prima. Sono partito da Londra il sabato mattina, ossia 32 ore dopo il mio arrivo, non ho avuto perciò il tempo materiale di farmi vivo.

Spero di avere occasione di rivedere Lei e Suo marito in Italia.

Molti cordiali saluti.

26 Settembre 1952

Mr. H.P. Charlton

Manchester

ZM/

Egregio Signor Charlton,

La ringrazio per la Sua gentile lettera e La prego di scusarmi se non ho scritto prima di ora.

Desidero informarLa dei risultati di alcune prove per il ricupero dell'acido acetico dai vapori contenenti furfurolo ed acido acetico.

Facendo passare dei vapori contenenti 3 % in peso di acido acetico in una colonna riempita di calcare, isolata termicamente, il 50 % dell'acido acetico viene fissato sotto forma di acetato di calcio operando con una velocità di passaggio dei vapori corrispondenti a 110 g per litro di colonna per ora.

Si é ottenuta una soluzione di acetato di calcio a titolo non molto alto (6–8 %) perché non si é potuto evitare una parziale condensa del vapore acqueo. Riteniamo però che operando in colonne di grandi dimensioni si possono ottenere soluzioni più concentrate.

In tale caso, se si potessero ottenere soluzioni ad una concentrazione di almeno il 20 % di acetato di calcio, ritengo che il ricupero dell'acido acetico, per spostamento con acido solforico possa risultare economicamente conveniente.

Stiamo ora continuando delle prove in tale campo, perché un ricupero dell'acido acetico può portare ad un abbassamento nel costo del furfurolo.

Spero di aver occasione di vederLa presto in Italia. Molti cordiali saluti alla Sua Signora, a Lei ed ai Suoi figli

1955

BY AIR MAIL

(277)

IMPERIAL CHEMICAL INDUSTRIES LIMITED

PLASTICS DIVISION

Telephone: Welwyn Garden 3400
Telegrams: Iciplast, Telex, Welwyn Garden City
Cables: Iciplast, Telex, London

BLACK FAN ROAD
WELWYN GARDEN CITY
HERTFORDSHIRE
ENGLAND.

Our ref. CWB/DMC/RES
Your ref.
Letter No.

26th August, 1955

Professor G.Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci,
Milano,
Italy.

Dear Professor Natta,

Since returning home from my visit to you and to the Conference at Zurich, I have been thinking over some of the results of your recent work which we discussed during my visit, and I should like to ask, if I may, some questions about the properties of the butadiene polymers. I am particularly interested in the melting points. You mentioned the melting point of the 1,2 polymer (160 - 170°C.) but I have no information on those of the cis and trans 1,4 polymers. At the time of my visit, you had not obtained the cis polymer in crystalline form; this may mean that the melting point is below room temperature - in which case it would be a rubber-like substance at room temperature, if the molecular weight is high enough.

I am enclosing reprints of two recent papers, one of which is a discussion of melting points in which I have made a suggestion to account for the fact that cis compounds melt at lower temperatures than trans compounds. I am therefore particularly interested to know whether your regular cis and trans butadiene polymers fit in with this generalisation.

I should like to take the opportunity of saying that I was disappointed about the discussion on nomenclature by the Commission on Macromolecules; the reluctance to make any decision at the present time seems to me over-cautious, and the statement circulated by Mark saying that "it is not yet exactly established what kind of regularity is responsible for the peculiar behaviour of these materials" is unjustified. I think the evidence for the type of regularity is very good, and the word "isotactic" is appropriate in derivation and sounds well. I think the word will become established by being widely used, and will probably be approved by the Commission at a later date.

With best wishes to yourself and your colleagues,

Yours sincerely,

C.W. Bunn

C.W.Bunn.

I.C.I./2443/1/P.W. 4 8/53. W. & S. Ltd.

September 15, 1955

Mr. C.W.Bunn
Imperial Chemical Industries
Plastics Division
Black Fan Road
Welwyn Garden City
Hertfordshire (England)

Dear Mr.Bunn,

On my return to Milano after a holidays period I am replying to your very kind letter of August 26, thanking you also for the interesting reprints of your papers.

The 1-4 trans butadiene is dimorphe and its melting point is about 130°C, that is almost equal to that of cristallin polyethylene.

We have not yet obtained the 1-4 cis butadiene of high purity, therefore, the absence of crystallinity would be attributed not only to a low melting temperature but also to the fact that the product is not homogeneous. Personally, I agree with you regardin your suggestion that the cis butadiene melts at lower temperatures than trans butadiene.

In regard to the discussion on nomenclature, I am sending you copy of a letter of Prof.Mark.Probably, the reluctance to make a decision in Zurich was due to the fact that our publications on structure of polystyrene were not yet known to the most of the members of the Commission, as I had not received the reprints.

With best wishes, I am,

Very sincerely yours,

Giulio Natta

Encl.

July 11, 1955

Mr. C. W. Bunn
Imperial Chemical Industries
Plastics Division
Black Fan Road
Welwyn Garden City
Hertfordshire (England)

Dear Mr. Bunn,

Following up my letter of June 16, I confirm you that I shall be certainly in my Institute on July 18 (in the afternoon) and 19, and, therefore, you can come here without ringing me up before. I shall go to Zurich on July 20, and shall stay there till July 29.

Looking forward to seeing you in Italy soon, I send you best regards.

Sincerely yours,

Giulio Natta

BY AIR MAIL

IMPERIAL CHEMICAL INDUSTRIES LIMITED

PLASTICS DIVISION

Telephone: Welwyn Garden 3400
Telegrams: Iciplast, Telex, Welwyn Garden City
Cables: Iciplast, Telex, London

BLACK FAN ROAD
WELWYN GARDEN CITY
HERTFORDSHIRE
ENGLAND.

Our ref. CWB/BPG/RESEARCH
Your ref.
Letter No.

14th June, 1955

25

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci, 32,
Milano,
ITALY.

Dear Professor Natta,

Thank you for your letter which I received yesterday, and for the reprints of your papers which have just arrived. I am naturally very interested to learn that you have considered the chain configuration in the isotactic polymers and have arrived at the same conclusion as ourselves. I had not seen the recent papers in "Atti dell'Accademia Nazionale dei Lincei', for we do not have this journal in our library; I am therefore particularly grateful for these reprints.

With regard to our communication to the Journal of Polymer Science, we will certainly do as you suggest and add a note in proff drawing attention to your Italian-written papers in which you have already arrived at the same conclusion as ourselves.

I am very glad to learn that I shall be able to see you in Milan before the Zurich conference. I intend to stay for a few days on Lake Maggiore (probably at Stresa) with my wife, and will take the train into Milan to see you on the morning of Monday 18th July; I hope that will be convenient for you.

I would like to ask one question about the Zurich conference. I note that you are giving a paper on the 22nd July, and another in the special Symposium on macromolecules on the 28th July. Will the second paper deal with some aspects which are not covered in the first paper ? My colleagues and I, who are attending the conference wish to know this, to decide whether we should stay for the Symposium. I should appreciate an early reply, so that we can make our arrangements.

Yours sincerely,

C.W. Bunn

(C.W. Bunn)

I.C.I./2443/1/P.W. 16/53. W. & S. Ltd.

(29)

June 16, 1955

Mr. C. W. Bunn
Imperial Chemical Industries
Plastics Division
Black Fan Road
Welwyn Garden City
HERTFORDSHIRE (England)

Dear Mr. Bunn,

I am glad to hear from your letter of June 14, that you will come to Italy before the Zurich Congress, and I am very pleased to meet you on July 18, in Milan.

In any case, I beg you to let me know your address on Lake Maggiore, as soon as you will know it. In case that you don't receive some other news from me, please ring me up at once at your arrival in Italy, at home, No. 486.308, before 8½ a.m., or at 1½ till 2½ p.m., or after 8½ p.m., and during the other hours at the Polytechnic Institute, No. 292.125 and 292.126.

I have not yet had the time of preparing my lectures for the Zurich Congress. For the first lecture only ten minutes will be allowed probably, and therefore, I shall examine principally the possibilities of the isomery in the macromolecules containing along the principal chain asymmetric carbon atoms, and some aspects of polymerisation processes that may give the isotactical polymers. On the contrary, as for the lecture at the Symposium there will probably allowed 30 minutes up to 1 hour, I shall give more details on the relationship between structure and physical properties of the products containing chain with different structure, specially regarding what be of interest for people working in the field of high polymers.

Looking forward to seeing you in Italy, I send you best regards.

Yours sincerely,

Giulio Natta

IMPERIAL CHEMICAL INDUSTRIES LIMITED

PLASTICS DIVISION

Telephone: Welwyn Garden 3400
Telegrams: Iciplast, Telex, Welwyn Garden City

BLACK FAN ROAD
WELWYN GARDEN CITY
HERTS

Our ref. CWB/BPG/RES.
Your ref.

2nd June, 1955.

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci, 32,
Milano,
ITALY

Dear Professor Natta,

I have read with great interest your papers on the crystalline vinyl polymers (J. Amer. Chem. Soc. 1955, 77, 1708; J. Polymer Sci. 1955 16, 143), and I should be very grateful if you would send me reprints of them. I should like to congratulate you and your colleagues on what seems to me one of the outstanding polymer discoveries of recent years.

I have always been particularly interested in chain forms, and, on the basis of the X-ray diffraction information given in your papers, together with principles given in an earlier paper of my own, Dr. E.R. Howells and I have deduced the chain configuration in these polymers; our results are given in a short communication which has been sent to the Journal of Polymer Science. I am enclosing a copy of this note for your interest, together with a reprint of my earlier paper on polymer stereochemistry. The results will, I think, interest you, for they give strong support to your conclusion that the molecules are "isotactic": the configuration is exactly what I should expect for an isotactic vinyl polymer. Moreover, we have specified the precise form of the helical chain: the rotation angles are not likely to be equal for all the bonds, but to be alternately trans and gauche (A and B in my nomenclature).

I would very much like to visit you in Milano to discuss the subject with you. I understand that you will attend the IUPAC Congress in Zurich, 20-30 July; I also will be there and will attend meetings of the Commission on Macromolecules, of which I am a member. Would it be convenient if I came to see you in Milano just before the Congress ? I suggest Monday 18th July; but if you are very busy just before the Congress, I could come a little earlier: I may spend a few days holiday in Northern Italy, and could come to see you on a day which is convenient to you.

Yours sincerely,

C.W. Bunn

(C.W. Bunn)

I.C.I./1805/P/W 2.51 K76872

Montedison
Archivi

B 12.

June 11, 1955

Mr. C. W. Bunn
Imperial Chemical Industries
Plastics Division
Black Fan Road
Welwyn Garden City
H E R T S = England

Dear Mr. Bunn,

To-day only, coming back from Rome, where I was attending the Fourth World Petroleum Congress, I receive your letter of June 2, with enclosed the manuscript and the reprint of your important work of 1942. I am grateful to you for all that.

I have recently had the occasion to meet American and English peopl and to talk about you and your well known works. I am glad that our experimental results have fully confirmed your hypotheses. However, I should like to point out that we have already discussed the chain configuration of our isotactical polymers in two of the three italian-written works, published in January and February on the "Atti dell'Accademia Nazionale dei Lincei", that I am going to send you. I am going also to send you a photoghaphic copy of a print-proof of a communication to the editor of "Die Makromolekulare Chemie" concerning the structure of crystalline polystyrene. We were able to achieve a very good accordance between calculated and experimental structure factors, and a fairly well resolved Fourier-projection of the structure on 001.

My publication on the "Journal of Polymer Science" is the french translation of only the first work of December 1954, published in January on the "Atti dell'Accademia Nazionale dei Lincei".

I should like that you add to your paper in proof a note in which you say that, after having sent the manuscript for the publication, you have had knowledge of our italian-written works on this subject, in which we achieve previously the same results.

Probably I am coming to England on 10-15th July, but I am not at all sure, as I have to finish some works before the International Congres of Zurich. I shall be certainly glad to see you in Milan before the Congress and, pleasen let me know the exacte date of your arrival.

Very sincerely yours,

Giulio Natta

P.S. Please let me known when you have received the reprints I send you by air mail under separate cover.

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TUBE INVESTMENTS RESEARCH LABORATORIES
HINXTON HALL
CAMBRIDGE

TELEPHONE:
GREAT CHESTERFORD 351/2

POSTAL ADDRESS:
TUBE INVESTMENTS RESEARCH LABORATORIES
HINXTON HALL, Nr. SAFFRON WALDEN, ESSEX

YOUR REF:

OUR REF: AC/MT

27th September 1955

Professor G. Natta,
Instituto Di Chimica Industriale
Del Politecnico,
Piazza Leonardo Da Vinci, 32,
Milano,
Italy.

Dear Professor Natta,

I have just received your letter of the 21st September concerning the effect of irradiation on polymers. I have already discussed the subject of our conversation with the Directors of T.I. Plastics with the following conclusions:

I. T.I. Plastics is engaged in the field of fabrication of plastic materials, such as tubes, and is in fact one of the leading firms in this field. It is therefore greatly interested in the development of new plastic materials and is in a strong position to develop the use of your new polymers, such as Polypropylene, on an industrial scale. They would be very interested to licence your process.

II. The radiation resources which we are building up at Cambridge and elsewhere will be the largest ones available in Europe. Associated with these resources will be some of the leading scientists in the field of irradiation work. In view of the shortage of good scientists in this field, it will be difficult to duplicate this work elsehwere.

It would, therefore, appear that if Montecattini intends to carry out work in the irradiation field, either on polymers, or in polymerisation studies, the facilities available here might be put at their disposal.

I do not agree with the statement in your letter that the main effect is likely to be depolymerisation in all the materials you have discussed with me. Some of them, I am sure, will be cross-linked. Moreover, there is the very interesting subject of polymerisation itself to be studied. With the resources available here, there should be no difficulty in carrying out such studies.

cont'd....

Professor G. Natta 27th September 1955

The suggestion, therefore, is that we discuss with yourself and the Montecattini representatives the possibility of arranging co-operation in the field of radiation and licensing of your polymers for production in Britain and elsewhere. We should be glad to meet you either in Italy or in England to discuss this matter further if you or the representatives of Montecattini feel they would like to go into the matter any further.

From the purely scientific point of view, I would certainly like to examine some of your new materials as soon as the patent position permits.

With best wishes,

Yours sincerely,

A Charlesby

.....

A. Charlesby

428

October 17, 1955

Mr. Arthur Charlesby
Tube Investments Research Laborat
Hinxton Hall, Nr. Saffron Walden
Cambridge - Essex

Dear Mr. Charlesby,

Thank you for your letter of September 27. I inform you that I sent a copy of it to Dr. Ing. B. Orsoni, Head of the Department of "Progetti e Studi" Società Montecatini (Via F. Turati 18 - Milano). As you know Montecatini Co. possesses my patents also for the foreign countries, and it is, therefore, not dependent on myself tha eventual licensees concession. The Montecatini feel they are not for the time being in a position to have useful discussion about isotactical polyolefins. Certain patent matters have yet to be settled and processes for commercial production as well as certain development studies have yet to undergo their testing. It seems that the field of the irradiation work on polymers offers, at present at least, not great probability of practical important applications.

As to the scientific interest of these researches, I shall be glad to send you samples as soon as they will be disposal for the distribution.

With best wishes,

Sincerely yours,

G. Natta

(359)

TUBE INVESTMENTS RESEARCH LABORATORIES
HINXTON HALL
CAMBRIDGE

TELEPHONE:
GREAT CHESTERFORD 329

POSTAL ADDRESS:
TUBE INVESTMENTS RESEARCH LABORATORIES
HINXTON HALL, NR. SAFFRON WALDEN, ESSEX

YOUR REF:

OUR REF: AC/MT

13th September 1955

Professor Natta,
Institute Chimica Ind.,
Politechnico,
Milano.

Dear Professor Natta,

I would like to thank you very much indeed for your kind hospitality when I visited you in Milan last month and for our interesting discussion. You will remember that we discussed with the Montecantini representatives the possibility of carrying out radiation work on some of your new polymers which have extremely interesting properties. I am taking this matter up with the Directors of Tube Investments, who will be writing to you directly.

Tube Investments would almost certainly be interested in the possibility of licensing your process for the production of polypropylene and may be prepared to offer our research facilities in connection with the irradiation of these and other materials. We are at present building up a research staff in this field, which should be the largest and most experienced group in Europe, if not, indeed, in the world, in the field of radiation effects. This is, of course, an extremely expensive business because of the large number of scientists and technicians who are required to man the research facilities, measure the radiation doses and, in general, look after the radiation procedure. This process must take place before any evaluation of the changes can be made. It therefore appears probable that these laboratories will provide common facilities to a number of organisations requiring radiation work.

General Belchem may be writing to you in connection with these two matters and if so, I hope you will take the matter up with Montecantini. In any case, I hope you will let me have some of your new polymers as soon as the patents position permits.

If you expect to come to England, I do hope you will be able to visit us in Cambridge.

With best wishes,

Yours sincerely,

A. Charlesby

(297

September 21, 1955

Mr. A. Charlesby
Tube Investiments Research Lab.
Hanxton Hall, Nr. Saffron Walden,
Essex

Dear Mr. Charlesby,

I was very glad to have meet you last month in Milan and I thank you very much for your visit.

I received your kind letter od September 13. The Montecatini Company examined all the literature concerning the problem of the radiation effect on polymers.

As an half of the carbon atoms of the principal chain of our polymers are composed by tertiary carbon atoms, it is very probable that the irradiation leads mainly to a depolymerisation, that is, to no useful effect.

Therefore, I think it is not convenient to carry out some researches that, from your letter, appear rather expensive, as they seem to lead to no practical results. In my opinion, researches in such a field may be only of scientific interest.

With best personal regards, I am,

Very sincerely yours,

Giulio Natta

TUBE INVESTMENTS RESEARCH LABORATORIES
HINXTON HALL
CAMBRIDGE

Telephone: Great Chesterford 351
Telegrams/Cables: TILABS, Hinxton

Postal address:
TUBE INVESTMENTS RESEARCH LABORATORIES,
HINXTON HALL, NR. SAFFRON WALDEN, ESSEX

289

Your Ref:

Our Ref: AC/AMO'M

9th August

From: Dr. A. Charlesby: Attending the 1st International Conference on the Peaceful Uses of Atomic Energy, Geneva, 1955

Professor G. Natta,
Instituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci, 32
Milan

Dear Professor Natta,

I was very disappointed not to have been able to come to Zurich for the Symposium, but I am looking forward to meeting you in Milan. The Conference here ends on the 20th of August so that the date you suggest (23rd August) would be very suitable. I shall call at the Istituto di Chimica Industriale del Politecnico as soon as I arrive in Milan, and if you are not there will visit your home, Via Mario Pagano 54. I hope this is convenient to you.

I am sorry that it has taken this time to reply to your letter which only reached me in Geneva today. Please let me know that this arrangement suits you and if not whether we could meet some other time. I shall be staying in Italy the last week of August. If I do not hear from you I shall assume that this arrangement is satisfactory.

With best wishes,

Yours sincerely,

A. Charlesby

A. Charlesby

TUBE INVESTMENTS RESEARCH LABORATORIES
HINXTON HALL
CAMBRIDGE

TELEPHONE:
GREAT CHESTERFORD 329

POSTAL ADDRESS:
TUBE INVESTMENTS RESEARCH LABORATORIES
HINXTON HALL, NR. SAFFRON WALDEN, ESSEX

YOUR REF:

OUR REF: AC/MT

28th July 1955

207

Professor G. Natta,
Institute di Chimica Industriale,
Politecnico,
Piazza Leonarda da Vinci 32,
Milan.

Dear Professor Natta,

It is some time since I had the pleasure of hearing from you.

I shall be attending the International Conference on the peaceful uses of Atomic Energy in Geneva as Advisor to the British Delegation during the second and third weeks in August, after which I hope to have the opportunity of taking a week's holiday in Italy. I expect you will also be on leave at this time but if there is any opportunity of meeting you towards the end of August I hope you will let me know. I shall be staying at the Hotel des Bergues in Geneva from 8th to 21st August if there is any chance of meeting you, and if you wish to write.

With best wishes,

Yours sincerely,

A. Charlesby

August 2, 1955 150

Mr. Arthur Charlesby
Tube Investments Research Lab.
Hinxton Hall, Nr. Saffron Walden
Essex

Dear Mr. Charlesby,

I received you kind letter of July 28. I hoped to have the pleasure of seeing you during the Symposium on Macromolecular Chemistry in Zurich, and so I waited for replying to you.

I am writing to you in haste, because I am coming just now from Zurich and after a very few days (two of three) I shall keep my summer holidays.

I have not the occasion of coming to Geneva during the days you will be there, but if you may come to Italy on the end of August, I shall be very glad to meet you in Milan. Probably I shall be in Milan from 23th to 25th August. Please, let me know your travel schedule so that we can arrange an appointment.

Looking forward to seeing you, I send you my best wishes.

Yours sincerely

Giulio Natta

(110)

TUBE INVESTMENTS RESEARCH LABORATORIES
HINXTON HALL
CAMBRIDGE

TELEPHONE:
GREAT CHESTERFORD 351/2

POSTAL ADDRESS:
TUBE INVESTMENTS RESEARCH LABORATORIES
HINXTON HALL, NR. SAFFRON WALDEN, ESSEX

YOUR REF:

OUR REF: AC:AMO'M:

28th June 1955

Professor G. Natta,
Instituto di Chimica Industriale del Politecnico,
Milano,
ITALY

Dear Professor Natta,

I was very grateful to you for sending reprints of the new materials which should be of considerable interest both scientifically and industrially. In the next few months I expect to have a big accelerator here and will be happy to collaborate with you on a larger scale than was possible in the past.

At present I am recruiting staff and installing equipment. I feel that progress in the future will be very much more rapid.

If this is now convenient, I would appreciate receiving samples of your new materials as well as some more polymethylene sheet. I am still trying to have returned the small samples which you previously sent to me for irradiation.

I do not know whether you are already going into the commercial exploitation of these new plastics. My present firm which is a very large industrial organisation has entered the field of plastics and would probably be very interested in the possibility of cooperating with you on an industrial scale. However the question of such industrial cooperation is quite distinct from our joint scientific efforts which I hope will progress more rapidly in the future. We will be very glad to hear whether this is of interest to you.

With best wishes,

Yours sincerely,

A. Charlesby

A. Charlesby

Dear Mr. Charlesby

I beg you to excuse me for the delay in answering your letter of May 5. ~~I am~~ Now I have been ~~am doing~~ occupied with a Tremendous work, these last months. I am going to send you some reprints of my works on isotactical polymers that, by chance, were not sent you before, and some samples of new polymers that I would like to have irradiated. I beg you to send me back all the samples after irradiation, as I would like to examine them by X-Rays, ~~and to keep~~ and to the mecanical properties ~~research the samples and the eventual results, as~~ this fact Some of the products are new and therefor I beg you ~~these products a patent is still going to be taken~~ to keep reserved the samples and the results. ~~on these products~~.

With my best regards G. Natta

Lotsu

1) Polipropilene ~~cristallo~~ cristallin
2) Polipropilene ~~amorfo~~ amorf
3) Polistirolo ~~isotattico~~ { quenched / ricristallizzato

Rotene E. (~~Polyethylene~~) / Polyethylene)
Rotene P.
Polypropilene A.
Polistirolo C.

TUBE INVESTMENTS RESEARCH LABORATORIES
HINXTON HALL
CAMBRIDGE

TELEPHONE:
GREAT CHESTERFORD 351/2

POSTAL ADDRESS:
TUBE INVESTMENTS RESEARCH LABORATORIES
HINXTON HALL, Nr. SAFFRON WALDEN, ESSEX

May 5, 1955

YOUR REF:

OUR REF: AC:AMOM:dms

Professor G. Natta
Istituto di Chimica Industriale
del Politecnico
Piazza Leonardo da Vinci 32
MILANO

Dear Professor Natta

I must apologize for the long delay in answering your recent letter. As you will see from my address I have changed my location but will be continuing research on radiation effects with greater emphasis on changes in plastic materials.

The facilities for irradiation which are now being installed here will be a great improvement on those previously available to me, and I hope that our collaboration in this very interesting field will be fruitful. In the meantime I have arranged for the samples you sent to be irradiated.

In your letter you mentioned a copy of the work on the characterisation of new crystalline polymers of alpha-olefines and the spectra, but these were not included in your letter. I am forwarding a reprint of an article on the behaviour of olefines and acetylenes under irradiation.

With best regards

Yours sincerely

A. Charlesby

A. CHARLESBY, D. Sc.

Encl.

Editorial Headquarters
Washington, D. C.

CHEMICAL AND ENGINEERING NEWS

PUBLISHED BY THE AMERICAN CHEMICAL SOCIETY • WALTER J. MURPHY, Editor



390

Bush House • Aldwych, London, W.C.2 • Phone TEMple Bar 3605
Telegrams: JIECHEM, ESTRAND, LONDON

19 September, 1955

Professor Giulio Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
MILAN, Italy.

Dear Professor Natta,

It was very kind of you to send me a copy of your paper presented before the International Symposium on Macromolecular Compounds.

I find your work of great interest and plan to condense the report in a short story in CHEMICAL AND ENGINEERING NEWS. When this develops, I will send a copy for your approval prior to publication.

Cordially yours,

William Q. Hull
Associate Editor

Editorial Headquarters
Washington, D. C.

CHEMICAL AND ENGINEERING NEWS

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Bush House • Aldwych, London, W.C.2 • Phone TEMple Bar 3605
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4 July, 1955

119

Professor G. Natta,
Istituto di Chimica Industriale,
Politecnico,
Piazza Leonardo da Vinci,
MILAN, Italy.

Dear Professor Natta,

We note with interest that you will present a paper at the forthcoming "Symposium on Macromolecular Chemistry", in Zurich.

I have been informed by Professor Signer that abstracts or preprints of the papers will not be available through his office. Inasmuch as we will want to report significant papers in CHEMICAL AND ENGINEERING NEWS, I would appreciate your sending to me, in care of the address below, either a copy of your paper, or a summary. I particularly would like you to point out heretofore unpublished material you will present with a statement of its practical significance.

Your cooperation will be appreciated.

Sincerely yours,

William Q. Hull

William Q. Hull
Associate Editor

Please send to:

William Q. Hull
c/o Savoy Hotel,
Baur en Ville,
Zurich, Switzerland

Mark: Hold for Arrival July 20

P.S. I would be glad to have your comments on any of the other papers which you consider of news value.

271

Inglis Chem

September 16, 1955

Mr. William Q. Hull
Associate Editor
Chemical Engineering News
Bush House
Aldwych London, England

Dear Mr. Hull,

Referring to your letter of July 4, I am enclosing herewith, a copy of the paper I presented at the "International Symposium on Macromolecular Chemistry" in Zurich, with a summary.

This paper will be published on "La Chimica e l'Industria" and on "Die Makromolekulare Chemie".

With best regards,

Sincerely yours,

Giulio Natta

N. 2 Enclosures.

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EWC/PR

28th October, 1955.

Professor G. Natta,
Instituto Politecnico,
MILAN.

Dear Professor Natta,

You will recall that Dr. Moore, Assistant Manager of our Plastics Division, sent you samples of methyl styrene for polymerization studies according to your new technique. Although I saw Dr. Pino from your Institute on the occasion of the German Chemical Society meeting in Munich, I neglected to ask him whether any experiments had been made with these samples.

Since I shall be returning to New York within another week, I would appreciate it if you could tell me whether your polymerization catalyst led to a polymer with a higher melting point than that of the polymer obtained in the conventional way. I am sure that Dr. Moore would also be greatly interested in any success or results which you have had with the methyl styrene.

Thanking you,

Yours very truly,

E. W. Cook

E. W. COOK.

500
Inglitt

November 10, 1955

Dr. E. W. Cook,
American Cyanamid Company
30 Rockefeller Plaza
N E W Y O R K 2 0, N.Y., USA

Dear Dr. Cook,

Thank you for your letter of October 20, and excuse me if I delayed in replying to you about the experiments with the samples of methylstyrene that Dr. Moore sent to us. This delay is due to the fact that our experiments with these samples, that are mistures of isomers, gave results less intersting that those we obtained with the pure para-methylstyrene we had from Montecatini Co.

I wish to know if you have the possibility to separate from your mixture the para-methhlstyrene free of orto-styrene.

Our researches, however, are carrying out and I let you know if we shall obtained, from the mixture, some results of particular interest.

With best regards.

Very sincerely yours,

G. Natta

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EWC/PR

1st June, 1955

Professor G. Natta,
Institute of Industrial Chemistry,
MILAN.

Dear Professor Natta,

I have read with some interest your development in the field of crystalline polystyrene which has a high melting point, and would like to meet you in order to discuss any commercial merits of the process.

You probably have heard of our interest in the thermoplastic field and of the fact that we are building a plant to produce 20,000 tons of methylstyrene a year. One of the chief advantages claimed for plastics made from this monomer is the somewhat higher heat stability, but it is in no measure comparable to the improvement which you have made with the crystalline polystyrene.

I attended the Symposium on Macromolecules held at Milan and Turin last October, and know of your contributions in the polyethylene field as well. I myself shall be attending the World Petroleum Congress in Rome and perhaps this might afford an opportunity of meeting you. I shall be staying at the Hotel San Giusto but will try to contact you at the general registry centre. If not, I will be prepared to go to Milan in order to meet you and any other of your collaborators in this field.

Thanking you,

Yours very truly,

E. W. Cook

E. W. COOK.
European Technical Representative,
American Cyanamid Company.

DOTT. LUIGI CONSONNO
MILANO
Ufficio - Via Brera, 6 - Tel. 802.687
Abitaz. - Via Brera, 8 - Tel. 871.567

Inghilterra

Milano, li 5 Maggio 1955

Telefonata

Egr. Prof. Ing. Giulio Natta
Via Mario Pagano 54
C i t t à

Egregio Professore,

Lei certo rammenterà i contatti che abbiamo avuto pochi anni or sono nelle trattative svolte con la B.P.D. ed un gruppo inglese per lo sfruttamento di un di Lei brevetto per la produzione di furfurolo. Trattative che, purtroppo, per varie difficoltà, non approdarono a nulla di concreto.

Il Sig. Lawfer della Lawfer Chemical Co. di Londra mi scrive ora pregandomi di riprendere contatto con Lei per conoscere se è esatta la notizia a lui pervenuta, secondo la quale Lei avrebbe elaborato un nuovo procedimento per la produzione di polistirene con punto di fusione molto elevato.

Le sarei assai grato di volermi confermare l'esattezza di questa informazione e dirmi altresì se il nuovo metodo è già stato da Lei brevettato o se trattasi di procedimento tutt'ora in fase di studio.

Nel primo caso i miei amici inglesi sono molto interessati ad un eventuale possibile sfruttamento per l'Inghilterra e mi pregano pertanto di sentire se in proposito Lei ha già preso contatto od assunto impegni con altre persone, sempre limitatamente al Regno Unito.

Voglia essere tanto cortese di indicarmi se Lei gradirebbe entrare in trattative con la Lawfer Chemical Co. per l'eventuale cessione dei Suoi diritti e conseguente sfruttamento.

Attendo leggerLa con interesse e se vorrà fissarmi un appuntamento in giorno e luogo a Lei più comodo, mi tengo ben volontieri a Sua disposizione.

Coi migliori e più distinti saluti

Suo L. Consonno

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THE BRITISH OXYGEN COMPANY LIMITED

RESEARCH AND DEVELOPMENT DEPARTMENT
DEER PARK ROAD
MORDEN ROAD · LONDON · S·W·19

53

Ref.: SAM/JIL.

27th June, 1955.

Professor Giulio Natta,
Politecnico di Milano,
Piazza Leonardo da Vinci 32,
Milano.

Dear Sir,

I am given to understand that you are studying a process for the polymerisation of styrene in which all the phenyl groups lie on the same side of the polyvinyl backbone of the molecule, instead of at random as in the normal product. We have tried to see from atomic models as to whether sufficient steric hindrance could be anticipated in such a molecule as to prevent normal free rotation converting such a molecule into the normal one with the phenyl groups at random, and it does appear that steric hindrance may be able to cause sufficient locking of the molecule.

We are here interested in the polymerisation of a number of vinyl compounds, such as vinyl acetate, vinylpyrrolidone, vinylcarbazole, and others, and wonder if your new technique is applicable to vinyl compounds other than styrene, perhaps in particular to substituted styrenes.

I consider that it would be a privilege to have an opportunity to discuss these matters with you. I shall be attending the International Congress of Pure and Applied Chemistry at Zurich at the end of July, 1955, and wonder if you are likely to be present there, and if so whether we could have an opportunity to meet. Alternatively, it would be possible for me to call on you in Milan after the close of this Conference, say on Thursday, July 28th, if this would be convenient to you.

Thanking you.

Yours sincerely,

S.A. Miller

(Dr. S.A. Miller).
B.Sc., M.A., Ph.D., F.R.I.C.
Research Manager - Chemical Products.

July 5, 1955

Mr. S. A. Miller
Research Manager - Chemical Produc
The British Oxygen Company Limited
Deer Park Road
Morden Road - London S.W.19

Dear Mr. Miller,

I received your letter of 27 June, and I inform you that our results on the polystyrenes structure appeared on the "Makromolekulare Chemie", in the issue of June. I shall send you a reprint of our paper as soon as I receive them.

I shall attend to the International Congress at Zurich, where I shall stay at the Hotel Plaza, and I shall remain there till the July 30 to attend also to the Symposium of Macromolecular Chemistry, and therefore, I can meet you in Zurich during the Congress. After the close of the Symposium I shall keep at once my holidays.

Best regards.

Sincerely yours,

Giulio Natta

DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Telephone : Whitehall 9788
Telegrams : Resciendus, Piccy, London

Any reply to this letter should be addressed to "THE SECRETARY" *and the following number quoted :—*

CHARLES HOUSE,
5-11 REGENT STREET,
LONDON, S.W.1

12 March 1955

Dear Sir,

E.P.A. Project No.297 - Chemical Engineering Conference

VISITS

Arrangements have been made for you to join the following parties :-

Thursday, 24th March - Party A - Shell
Friday, 25th March - Party D - Tate Style / University College London

The conference organisers regret that it has not been possible in all cases to arrange for every delegate to make the visits for which he gave first priority. However, the organisations you will be visiting are pleased to welcome you as their guest and you can be sure that everything will be done to make your visit enjoyable.

If you are a member of Parties A, B or C on Thursday, March 24th you should collect your rail ticket from the Conference Office on Tuesday, March 22nd or Wednesday, March 23rd between 9.30 and 10 a.m. This is important; you must be in possession of a ticket or you will not be able to board the train at the London station.

You should already have received a complete itinerary of the visits, either direct from me or through your Liaison Officer. Any alterations to the arrangements given in the itinerary will be announced during the conference.

/ If you

Professor G. Natta

If you have any queries to raise concerning the visits you are invited to contact one of the staff on duty in the Conference Office during conference sessions.

Finally, if for some reason you now cannot take part in the visits you should let me know immediately, by return of post.

Yours faithfully,

E H Morgan

(E.H. MORGAN)
United Kingdom Liaison Officer

March 17, 1955

Mr. E.H.Morgan
Department of Scientific and Industr
Research, Charles House
5-11 Regent Street
L O N D O N, S.W.1.

E.P.A. Project No. 297 - Chemical Engineering Conference

Dear Sir,

I received your letters concerning the invitations to the Social Functions and the organised visits.

I am very sorry but I am unable to accept because I am obliged to renounce to my participation to the Conference. I hope you will be already advised by our Ministry that I shall not participate.

With many thanks and best personal regards, I remain,

Sincerely yours,

for G.Natta
BrLamma

TELEPHONE
GROSVENOR 3422.

17, STRATTON STREET
PICCADILLY
LONDON·W·1

Londra, 5 maggio 1955.

Egregio
Prof. Ing. G. Natta,
Istituto di Chimica Industriale,
R. Politecnico,
Piazza Leonardo da Vinci 32,
Milano,
Italia.

Egregio Professore,

Prima della sua morte, il Dott. Kind aveva ordinato per Lei la copia qui acclusa della Relazione delle Corte d'Inchiesta sui sinistri avvenuti alla Comet G-ALYP il 10 gennaio 1954 e alla Comet G-ALYY l'8 aprile 1954, relazione che considerava come "il migliore esempio di analisi scientifica mai compiuto" e che intendeva inviarLe assieme alle sue osservazioni.

Ho pensato che Le piacerebbe ricevere questa relazione anche se purtroppo mancano i commenti del Dott. Kind.

Voglia gradire, Egregio Professore, i miei distinti saluti.

Ursula Mott

U.B.P. Mott.

1 allegato.

RM/ ha ricevuto la Relaz e che l'stato commosso la leggerà con molto interesse — da l fatto si

11 Maggio 1955

Mr.U.B.P.Mott
17, Stratton Street
Piccadilly
L O N D O N W.1. - England

Egregio Signor Mott,

Ho ricevuto la copia della interessante relazione che il Dott.Kind desiderava inviarmi da Lei gentilmente speditami, e l'ho letta con molto interesse.

Mi ha commosso molto il fatto che il Dott.Kind abbia pensato a me durante l'ultimo periodo della Sua esistenza, e ringrazio sentitamente Lei che ha voluto adempiere ai Suoi desideri.

La prego di gradire i miei migliori saluti.

G.Natta

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6th May, 1949.

YOUR REF:

OUR REF: EJD/JDA

Professor Giulio Natta,
Piazza Leonardo da Vinci 32,
MILAN, Italy.

Dear Professor Natta,

We were very interested to receive through our London Office your enquiry for a fat-splitting agent. A one-litre sample of this material is being sent to you at once, and we thought it possible that you might be interested at the same time in seeing the type of other materials which we manufacture. Consequently we are sending you specimens of oil-soluble petroleum sulphonates and water-soluble petroleum sulphonates. Literature dealing with these materials is enclosed herewith, viz. two pamphlets entitled "Sulphonates from Petroleum" and "PETROSOL 33, Concentrated Degreasing and Cleansing Agent".

If there is any further information that we can give you please do not hesitate to ask for it.

I understand there is a possibility of your coming over here next month, when I hope to have the pleasure of meeting you.

Yours sincerely,

E. J. Dunstan.
(General Manager)

LONDON OFFICE : Adelaide House, London Bridge, E.C.4 TELEPHONE : AVENUE 4794/5 TELEGRAMS : Trafordoil, Bilgate, London

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ACTON, LONDON, W.3.

CON PREGHIERA DI EVASIONE

10th September, 1955.

Dear Sirs,

Test Analysis of Materials.

You are invited to submit a quotation for the chemical analysis of Railway materials mainly steels and non-ferrous alloys on behalf of the Indian Railway Inspection Section of the India Store Department.

The materials are to conform to Indian Railway Specification and the methods of analysis must be gravimetric or such methods as are approved by the British Standard Institution or the Aeronautical Inspection Department for referee purposes.

Kindly state clearly your scale of fees for chemical analysis of samples:

1. Steels (including alloy steels).
   (a) Partial analysis
       First Constituent
       Succeeding Constituents.
   (b) Complete Analysis.
       Elements included to be stated in detail.

2. Non Ferrous Alloys. (Brasses, Bronzes Bearings, Alloys, Gunmetals).
   (a) Partial Analysis.
       First Constituent.
       Succeeding Constituents.
   (b) Complete Analysis.
       Elements included to be stated.

3. Copper.
   (a) Oxygen in Copper
   (b) Partial Analysis. (excluding oxygen).

(b) Complete Analysis.
Elements included to be stated in detail.

2. Non Ferrous Alloys. (Brasses, Bronzes Bearings, Alloys, Gunmetals).
   (a) Partial Analysis.
   First Constituent.
   Succeeding Constituents.
   (b) Complete Analysis.
   Elements included to be stated.

3. Copper.
   (a) Oxygen in Copper
   (b) Partial Analysis. (excluding oxygen).
   First Constituent
   Succeeding Constituents.
   (c) Complete Analysis.
   Elements included to be stated in detail.

It will be appreciated if you will confirm that your staff are competent to afford metallurgical advice or opinion on samples submitted for analysis. Your schedule of charges must cover any technical opinion or advice that may be considered necessary by the Director General, India Store Department, on any samples sent for analysis or results arising from analysis. Kindly also give details of similar work being carried out by you for other organisations in your country. Your immediate attention in the matter will be appreciated.

Yours faithfully,
Balakrishnan
(C. BALAKRISHNAN)
for Director General,
India Store Department.

October 4, 1955

The Director-General
India Store Department
Government Building
Bromyard Avenue
ACTON, LONDON, W.3. - England

Dear Sir,

Referrring to your letter of September 10, 1955 (S.283/51/RLY), I inform you that our Institute is competent to carry out the requested analyses on ferrous and non-ferrous materials and generally on alloys.

Our fees for a quantitative analysis of every element are from 2.500 a,d 3.500 Italian lire, according to the element to be determined.

It would be necessary you kindly send us the specifications concerning the materials to be analysed, of the British Standard Institution and of the Aeronautical Inspection Department. After, we may be more precise on the matter of our fees for analysis and of the requested time for delivering results.

Very sincerely yours,

(Prof.G.Natta)

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TELEGRAMS:
RESEARCH, EPSOM

GREAT BURGH,
EPSOM,
SURREY.

111

28th June, 1955.

Professor G. Natta,
Istituto di Chimica Industriale,
Politecnico di Milano,
Milano,
Italia.

Dear Professor Natta,

I have now returned to Epsom after a short but very enjoyable holiday in Italy and would like to say how much I appreciated our conversation on 17th June. I hope we shall have a further opportunity for discussion at Epsom in the near future.

I note that you expect to attend the Congress in Zurich in July and, if possible, I would be interested to have a preprint of the paper which you will give there.

With kind regards,

Yours sincerely,

F. E. Salt

(F.E. SALT)

MODULARIO

L'Amministrazione + CT 140+ BNCMDATO+ ...sabilità civ... ...rafico.

MOD. 30 (Ediz. 1955)

INDICAZIONI D'URGENZA

Ricevuto il ..... 19.... ore ....

Pel circuito N. .....

13 GIU. 11 45

Le ore si contano sul meridiano corrispondente al tempo medio dell'Europa Centrale.
Nei telegrammi impressi a caratteri romani, il primo numero dopo il nome del luogo di origine rappresenta quello del telegramma, il secondo quello delle parole, gli altri la data e l'ora e i minuti della presentazione.

Bollo di ufficio

Qualifica	DESTINAZIONE	PROVENIENZA	NUM.	PAROLE	DATA DELLA PRESENTAZIONE		Via e indicazioni eventuali d'ufficio
	RM-8	Nicotra	O.		Giorno e mese	Ore e minuti	

4093 MLN ROMA 71C23 64 13 945+ 10-Isotattici

WE ARE EXTREMELY INTERESTED IN YOUR PAPER ON POLYMERS AND DOCTOR STANLEY AND I WOULD LIKE TO DISCUSS THESE POLYMERS WITH YOU WHEN YOU ARE IN ROME IF YOU ARE NOT RETURNING HERE MAY I MEET YOU IN MILAN ON THURSDAY SEDICI AFTER CINQUE PM OR FRIDAI DICIASETTI REPLY TO SALT DISTILLERS CO AT HOTEL REALE ROME+

13.6.1955. pomeriggio

Mr Salt and Stanley - Hotel Reale - Roma
I wait for you on Thursday or Friday
Natta

Roma, 1954 – Istituto Poligrafico dello Stato P. V.

THE RESEARCH ASSOCIATION OF BRITISH PAINT COLOUR AND VARNISH MANUFACTURERS

954

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WALDEGRAVE ROAD,
TEDDINGTON, MIDDLESEX.

Telephones: MOLESEY 4427/8/9

Our Ref: LAJ/VF.

Prof. Dr. G. Natta,
Instituto di Chimica industriale,
Piazza Leonardo da Vinci,
Milano,
ITALY.

15th August, 1955.

Dear Professor Natta,

I was sorry not to be able to stay to hear your Address on Thursday, 28th July, on the characterisation etc., of "isotactic" polymers. I am sorry about this, but I wonder whether you would be so kind as to let me have, if only on loan, a copy of your paper at the earliest opportunity. If you would loan me the text I would return it to you in two days.

It was very pleasant meeting you in Zurich, and I must take this opportunity of congratulating you upon your striking success in the polymer field.

Yours sincerely,

L. A. Jordan.

Director.

272

September 16, 1955

Inghilterra

Mr. L. A. Jordan, Director
The paint Research Station
Waldegrave Road
Teddington, Middlesex, England

Dear Mr. Jordan,

Referring to your letter of 15th August, I am sorry I have not a copy of my lecture presented on July 28, at the Symposium on Macromolecular Chemistry in Zurich. As this paper will be published on "" La Chimica e l'Industria" and on "Die Makromolekulare Chemie", I shall send you a reprint as soon as I receive them.

With best regards,

Sincerely yours,

Giulio Natta

THE POWER-GAS CORPORATION LTD.

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HyH/FB.

Ext. 367.

May, 1955.

The Head of the Dept. of Industrial Chemistry,
Faculty of Physical Mathematical & Natural Sciences,
Universita Degli Studi,
Via Passione 12,
Milan,
ITALY.

Dear Sir,

If the attached leaflet would be of value to students in your department, upon receipt of an indication of the quantity required we would be pleased to send a supply to you for distribution amongst them.

Yours faithfully,
For THE POWER-GAS CORPORATION LTD.

H. Hopwood.

H. HOPWOOD.
PUBLICITY MANAGER.

13 H. shawinigan Polymers

11 Giugno 1955

Mr. H. HOPWOOD, Publicity Manager
The Power-Gas Corporation Ltd.
S T O C T O N-O N - TEES - England

Dear Mr. Hopwood,

I thank you very much for your kind letter with enclosed the schemes, that are very interesting for my lessons. Therefore, I should appreciate very much your sending me some others, concerning different processes, if they are available.

Very sincerely yours,

(Prof. G. Natta)

April 5, 1955

Sir Eric Keightley Rideal
King's College - University
L C N D O N - England

Dear Sir Rideal,

I am very pleased to have made your acquaintance during your stay in Milan. I thank you very much for your very interesting conference and for time you dedicate to our problems. Your advices will be precious for us and we all are very grateful to you.

With many thanks and best regards,

Sincerely yours,

G.Natta

1956

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AMBASCIATA D'ITALIA IN LONDRA
UFFICIO DEL CONSIGLIERE COMMERCIALE
14. THREE KINGS YARD, LONDON, W.1.
MAYFAIR 9791

Rif. Z. n.5882

10 febbraio 1956

Spett. Istituto Politecnico
Piazza Leonardo da Vinci, 32
Milano

Per aderire ad analoga richiesta della Casa Editrice Thomas Skinner & Co., di Mancnester, si sarà grati a codesto Istituto se vorrà cortesemente fornire, ove possibile, una fotografia del Prof. G.Natta.

La predetta Casa Editrice si propone di riprodurre tale fotografia sulla rivista "Silk and Rayon Record" in un articolo sui polimeri isotactici e sull'opera svolta dal Prof. Natta in tale campo.

Ad ogni buon fine, si allega copia della lettera della Thomas Skinner & Co.

Con distinti saluti e ringraziamenti

Il Consigliere Commerciale

al prof. Natta con saluti

All. 1.-

SKINNER'S SILK & RAYON RECORD

St.James House,
44, Brazennose Street
MANCHESTER, 2

PLK/KA

9th February, 1956

Dear Sir,

In our April issue we are hoping to publish an article about a development in the production of certain types of polymers; the isotactic polymers.

All the preliminary work on this most important development has been done by Professor G. Natta of the Milan Polytechnic Institute, and his work is by far the most important in this field. In paying trobute to his endeavours, we should like to publish his portrait with the article, and if you would possibly obtain for us an original photograph of the Professor, we should be most deeply obliged.

The author of the paper being prepared for us at the present time, has expressed the view that the discovery of isotactic polymers is possibly of comparable significance with the discovery of nylon or Terylene.

Yours faithfully,

Peter Lennox-Kerr
Editor

100 N

15 Febbraio 1956

Spett. Ambasciata d'Italia in Londra
Ufficio del Consigliere Commerciale
14 Three Kings Yard
L O N D O N W.1. - England

Ho ricevuto la Vostra lettera del 10.2.1956 (Rif. Z. n.5882), relativa alla richiesta della Casa Editrice Thomas Skinner & Co. di Manchester di una mia fotografia.

Vi informo che ho provveduto a spedire direttamente alla Casa Editrice una mia fotografia e copia di tutti i miei lavori sui polimeri isotattici.

RingraziandoVi per il Vostro interessamento, Vi invio distinti saluti.

(Prof. G. Natta)

1290 A
Engl

onal

BRITISH PLASTICS EXHIBITION AND CONVENTION

DORSET HOUSE · STAMFORD STREET · LONDON S.E.1
Telephone: Waterloo 3333 (60 lines) Telegrams: Briplastic, Sedist, London

15th August, 1956.

Prof. Giulio Natta,
Institute of Industrial Chemistry,
Polytechnic of Milan,
Milan, Italy.

Dear Prof. Natta,

The British Plastics Exhibition in 1957 being international in character, will be accompanied by an international Convention which will report on current developments in plastics. My committee have asked me to invite you to deliver a paper at this Convention dealing with some aspects of polymers of propylene.

We appreciate that you receive many such requests, but we would be highly honoured to have your presence in London during this Convention. It may be that a paper could be prepared jointly with one of your colleagues and read by him, preferably in English, if this would relieve you of some of the burden. If you feel unable to undertake this, perhaps you would be kind enough to direct me to another source of such a paper in Italy.

As you will observe from the letter head, the Convention will be held in London from the 10th to 20th July, 1957.

I look forward to hearing from you soon.

Yours sincerely,

Bridmore

Phillip Morgan

68

September 10, 1956

Mr. Phillip Morgan
Convention Manager
British Plstics Exibition
and Convention
Dorset House
Stamford Street
L O N D O N S.E.1. - England

Dear Mr. Morgan,

I received your kind letter of August 15 and I thank you very much for your invitation to deliver a paper at the International Convention which will be held in London during July 1957. As during that month I already accepted engagements and, most probably, I shall go to the United States, I cannot till now assure you to be able to come to London during the Convention.

I shall write to you again on this subject next months; please letme know the last possible date to inform you about my eventual participation.

Awaiting your kind reply, I am,

Your sincerely,

(Prof. G. Natta)

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
14 SET 1956
R 107

TUBE INVESTMENTS RESEARCH LABORATORIES
HINXTON HALL
CAMBRIDGE

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Telegrams/Cables: TILABS, Hinxton

Postal address:
TUBE INVESTMENTS RESEARCH LABORATORIES,
HINXTON HALL, NR. SAFFRON WALDEN, ESSEX

Your Ref:

Our Ref: AC/MT/37

11th September 1956

Professor G. Natta,
Instituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
Milan,
Italy.

Dear Professor Natta,

Many thanks for your letter concerning polyethylene material. My present results seem to indicate that certain forms of polyethylene produced catalytically show a higher degree of crystallinity and a lower degree of branching than polymethylene. I wonder if this is your experience too and whether polymethylene made from diazomethane can be branched.

I hope to write to the Montecatini people concerning provision of research samples of polypropylene and perhaps you could tell me who are the people concerned. At the same time, do you know who is responsible for the atomic energy programme in Italy and whether this is partly run by Montecatini? This is only because a friend of mine wishes to enquire concerning some metallurgical problem.

Yours sincerely,

A. Charlesby

1289 A

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Postal address:
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HINXTON HALL, NR. SAFFRON WALDEN, ESSEX

Your Ref:

Our Ref: AC/MT/37

15th August 1956

Professor G. Natta,
Instituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
Milan,
Italy.

Dear Professor Natta,

Many thanks for your letter of the 31st July. Perhaps you can tell me who to approach in the Montecatini Company to obtain samples of some of your isotactic polymers. These samples are, of course, intended for research. I am interested to hear that they are depolymerised by radiation and feel that this should be investigated in greater detail.

You refer to a very linear polyethylene of density 0.965 to 0.97. Is this the same Rotene made by Montecatini, of which you gave me a small sample in the form of powder about a year ago? I would certainly like some of this polymer in the form of sheet or rod if this is available.

With best wishes,

Yours sincerely,

A. Charlesby

September 13, 1956

Mr. Arthur Charlesby
Tube Investments Research Lab.
Hinxton Hall - Cambridge
Nr. Saffron Walden - Essex - Engl

Dear Mr. Charlesby,

Replying to your letters of August 15 and September 11, I wish to inform you that the Rotene I sent to you some time ago was a polyethylene according to the Ziegler process and had probably, a density of about 0,94-0,95. This product was more linear than that of I.C.I., but not completely. The new samples that I am sending you, enclosed here, represent a completely linear high molecular weight polythene, with a density of 0,96-0,97.

As to the samples from the Montecatini, I inform you that I sent your letter to "Settore Progetti e Studi"- Soc. Montecatini, Via F. Turati 18 - Milano, and I hope they will send to you directly the requested samples of isotactic polypropylene. In fact, I think that the Montecatini will begin shortly to distribute samples, while they did not it in the past time.

As to the atomic energy programma in Italy, I inform you that at the Montecatini this matter is developed by Ing. Orsoni from the Settore Progetti e Studi.

With best wishes.

Yours sincerely,

Giulio Natta

1076 A

TUBE INVESTMENTS RESEARCH LABORATORIES
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Postal address:
TUBE INVESTMENTS RESEARCH LABORATORIES,
HINXTON HALL, NR. SAFFRON WALDEN, ESSEX

Your Ref:

Our Ref: AC/MT/37

22nd June 1956

Professor G. Natta,
Instituto di Chimica,
Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

Dear Professor Natta,

Last summer, I had the pleasure of visiting you in Milan and discussing polypropylene and other isotactic materials which you were preparing. At the time, there was difficulty about arranging this because of the patent position. If this matter has now been cleared up, I wonder if it would be possible to obtain some samples for scientific investigation and study. We are particularly interested in the relationship between radiation and thermal stability of materials and polypropylene and other isotactic materials would be very helpful.

We have been carrying out some experiments on polymethylene in connection with crystal size and orientation. As soon as this work is completed, I will send you a copy which may be of help in connection with other materials of semi-crystalline nature. If you have any samples of polymethylene readily available or can tell me where to get some, I would appreciate it very much. The samples we had in the past were very small and have now been used.

With best wishes,

Yours sincerely,

A. Charlesby

A. Charlesby

813 A

June 25, 1956

Mr. Arthur Charlesby
Rubs Investments Research Lab.
Hinxton Hall, Nr. Saffron Walden
Essex

Dear Mr. Charlesby,

With reference to your kind letter of June 22, (AC/HT/37) addressed to Prof. Natta, I wish to inform you that Prof. Natta at the present is in the United States and will be back about July 20.

I am sending copy of your letter to Prof. Natta, but I think it is very difficult that Prof. Natta may reply to you before hisr return in Milan.

With best regards.

Very truly yours,

(R. Lamma, secretary)

887 A

July 31, 1956

Mr. Arthur Charlesby
Tube Investments Research Laborat
Hinxton Hall - Cambridge
Nr. Saffron Walden, Essex

Dear Mr. Charlesby,

I am sorry not to be able to reply to your kind letter of June 22, that I received in the United States, before my coming back to Milan. I have been in the United States for two months and I have been always very busy and continually traveling.

I wish to inform you that, at the present, I cannot dispose of polymethylene but of samples of very linear polyethylene, with a density of 0,965-0,97 and a very high molecular weight. I think that it would be very interesting to examine them. Do you wish to have this polymer in powder or in a special shape?

As you know, the Montecatini Co. possess al rights on my processes concerning the isotactical polymers, and you may address yourself to the Montecatini to obtain samples, that they do not distribute freely, but only in special cases. I wish to inform you, however, that the isotactical polymers are very highly depolymerized by radiations, and therefore I believe that this study will be only of a little practical interest.

With best wishes.

Sincerely yours,

Giulio Natta

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EWC/PR

9th August, 1956.

Prof. G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
MILAN.

Dear Professor Natta,

Dr. William Seaman, of our Bound Brook Research Laboratories, will be visiting European research centres following the International Congress on Analytical Chemistry at Lisbon. He will be in Milan on October 2nd and would like very much to see something of your analytical laboratories if possible. If it is convenient for you to arrange for one of your assistants to show Dr. Seaman around, I would greatly appreciate it.

I hope that you had an interesting visit in the United States, and I am sure that your talk at the Gordon research conferences was a stimulating one and well received, because many scientists were waiting for the opportunity to hear you and to learn about the new systems of polymerization.

Thanking you,

Yours sincerely,

E W Cook

E. W. COOK.

April 6, 1956

Mr. E. W. Cook
Cyanamid Products Limited
Bush House - Aldwych
L O N D O N, W.C.2 - England

Dear Mr. Cook,

During your last visit in Milan, we asked you if it is possible for you to send us some other samples of methylstyrenes. Now we received samples of polymers, indicated as PDL-2--400 (Lot 9-62) and PDL-2-201 (Lot 20-2).

I thank you very much for these products, but they are less interesting for us than the monomers. Therefore, I should greatly appreciate your sending us, if possible, some samples of the monomers.

Thanking you very much in advance, I send you my best regards.

Giulio Natta

304 A
Trip

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H. C. PLEVIN

EWC/PR

21st February, 1956.

Prof. G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci, 32,
MILANO.

Dear Professor Natta,

Thank you for your letter of February 15th and the kind invitation to visit your home on Thursday. We shall be delighted to come.

Yours sincerely,

E. W. Cook

E. W. COOK.

145 A

February 15, 1956

Mr. E. W. Cook
Cyanamid Products Limited
Bush House - Aldwych
LONDON, W.C.2 - England

Dear Mr. Cook,

Following up my letter of February 8, I am glad to confirm you that I have been able to defer an engagement for February 23, and, therefore, I shall be very pleased to meet, in this day, Mr. Klipstein, Mr. Hoekelman and Mr. Lindgren. If possible, they might come to my home (Via Mario Pagano 54, Milano) at 2,30 p.m. and after, come with me to my Institute.

With best regards,

Giulio Natta

265 A
Ingl

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H. C. GANT
J. F. GATES, (U.S.A.)
[redacted]
O. N. WILLIAMS
H. C. PLEVIN

EWC/PR

14th February, 1956.

Professor G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
MILANO.

Dear Professor Natta,

In reply to your letter of February 8th, Messrs. Klipstein, Hoekelman and Lindgren and I will call at your laboratories on Friday morning, February 24th, around 10 o'clock, as you have suggested.

Thanking you,

Yours sincerely,

E. W. Cook

E. W. COOK.

188A

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H. C. GANT
J. F. GATES, (U.S.A.)
O. N. WILLIAMS
H. C. PLEVIN

EWC/PR

2nd February, 1956.

Professor G. Natta,
Instituto Politecnico,
MILANO.

Dear Professor Natta,

It turns out that Mr. Klipstein, our Research Manager, has already made, through the offices of Montecatini in New York, an appointment in Milan for February 24th. For this reason, I wonder if it would be just as convenient to you for our visit to your laboratories on February 23rd. If for any reason the 23rd is inconvenient for you, please let me know so that we may alter our plans.

Yours sincerely,

E. W. Cook

E. W. COOK.

168 A

CYANAMID PRODUCTS LTD.

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J. F. GATES, (U.S.A.)
O. N. WILLIAMS
H. C. PLEVIN

EWC/PR

31st January, 1956.

Prof. G. Natta,
Institute of Industrial Chemistry,
Politecnico,
MILAN.

Dear Professor Natta,

Mr. K. H. Klipstein, Manager of our Research Division, also Mr. R. A. Hoekelman, Manager of our Plastics Division, and his Technical Director, Dr. V. V. Lindgren, will be in Milan on February 23rd and 24th and would like very much, if convenient, to visit your laboratories on the 24th. If this date is agreeable to you, it will afford an opportunity to discuss our polymer research, including methylstyrene, acrylonitrile and various copolymers, and in turn to learn something about your interesting method of polymerization which promises to be of much importance to the plastics industry.

Thanking you,

Yours sincerely,

E. W. Cook

E. W. COOK.

132 A

February 8, 1956

Mr. E. W. Cook
Cyanamid Products Ltd.
Bush House
Aldwych
L O N D O N, W.C.2.

Dear Mr. Cook,

I received your letters of January 31 and February 2, and I inform you that I shall be glad to meet Mr. Klipstein, Mr. Hoekelman and Dr. Lindgren in Milan, during their coming to Italy. Most probably during the first days of the week from February 20 to 25 I shall be away, but I shall do my best to come back on February 23. If it is not possible for me, I hope to be able to meet Mr. Klipstein, Mr. Hoekelman and Dr. Lindgren on February 24, as I think that the appointment with the Montecatini will not cover the entire day.

I received a kind letter from Mr. Sommer, about the shipping of some samples of polymethylstyrenes and I am very grateful for your interest. If possible, I should appreciate very much receiving some samples of pure o.-methylstyrene and p.-methylstyrene, or samples of mixtures of methylstyrenes isomers or chlorostyrenes.

With best regards and many thanks,

Sincerely yours,

G. Natta

645 A

CITIES SERVICE RESEARCH AND DEVELOPMENT COMPANY
(INCORPORATED)
SIXTY WALL TOWER, NEW YORK 5, N. Y.

From: Ion Edeleanu, 55 Park Lane, London W. 1.

April 10, 1956

Professor G. Natta
Instituto di Chimica Industriale
Politecnico
Piazza Leonardo da Vinci
Milano

Dear Professor Natta,

I am glad to inform you that I am due to meet Mr. P, Giustiniani on Monday April 30th in the afternoon.

The object of my trip would however not be fulfilled without an exchange of views with you. May I therefore suggest that we meet, preferably for luncheon, the day mentioned above?

I hope you can accept this invitation and I am looking forward with great interest, and indeed with much pleasure to the opportunity of seeing you again.

Yours very sincerely

Ion Edeleanu

Ion Edeleanu

IE/m

4,6 A

April 13, 1956

Mr. Ion Edeleanu
55 Park Lane
L O N D O N W.1. - England

Dear Mr. Edeleanu,

I received your kind letter of April 10, and I am very sorry to inform you that I cannot assure you to be in Milan on April 30, as I shall go to Germany and France next weeks.

You may, however, telephone to my Institute at your arrival in Milan (tel. No. 292.125) to arrange eventual appointment.

With best regards.

Very sincerely yours,

Giulio Natta

480

ION EDELEANU

55 PARK LANE (APT. 103)

LONDON W. 1.

TEL. GROSVENOR 2172.

October 4, 1955

Prof. G. Natta
Instituto Di Chimica Industriale del Politecnico
Piazza Leonardo Da Vinci 32
Milano

Dear Professor Natta,

Within a few hours I shall leave for Karlsruhe to attend the annual meeting of the "Deutsche Gesellschaft fuer Mineraloelwissenschaft and Kohlechemie".

From Karlsruhe I shall proceed over the week-end to Milano to enjoy there the privilege of an exchange of views with you.

As I mentioned over the telephone, I shall contact you on Monday morning October 10th.

While in Milano, my only objective is the meeting with you. I shall be all the more happy, and in fact grateful if in continuation you would accept to have lunch or dinner with me.

Very sincerely yours

Ion Edeleanu

Ion Edeleanu

IE/m

(389)

CITIES SERVICE RESEARCH AND DEVELOPMENT COMPANY
(INCORPORATED)
SIXTY WALL TOWER, NEW YORK 5, N. Y.

ION EDELEANU
55 PARK LANE (APT. 103)
LONDON W.1.

September 17, 1955

Professor G. Natta
Instituto di Chimica Industriale
Politecnico
Piazza Leonardo da Vinci
Milano

Dear Professor Natta,

I would consider it a privilege if you could accept that I visit you for a discussion regarding your developments in the field of olefine chemistry.

Coupled with our meeting, I would be grateful if you could arrange that I see also a member of the Montecatini group concerned with the programme of exploitation of your processes.

If agreeable to you, I could come to Milano for the date of Monday October 10th, or if not convenient please suggest another date and I shall try to adapt my timetable accordingly.

Looking forward to the pleasure of meeting you

I remain, in the meantime,

Yours faithfully

Ion Edeleanu

Ion Edeleanu
Technical Representativ

Enc. 1 copy

IE/m

299

September 21, 1955

Inghilterra

Mr. Ion Edeleanu
55 Park Lane (Apt. 103)
L O N D O N W.1

Dear Mr. Edeleanu,

I received your letter of September 17, and I inform you that the development of our processes in the field of olefine chemistry is carried out by Montecatini Co.

However, I think that the Montecatini is not for the time being in a position to have useful discussions about isotactical polyolefines. I trust that next months the situation will have evolved so that they will be able to consider the opportunity of starting discussions on this matter, obviously without engagement on their part.

With best regards,

Sincerely yours,

(Prof. G. Natta)

THE UNIVERSITY OF MANCHESTER

MANCHESTER, 13.

FROM
PROFESSOR G. GEE, F.R.S.
SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.

TELEPHONE ARDWICK 3333

29th November, 1956

807

Professor G. Natta.
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

Dear Professor Natta,

I am delighted to learn from your letter of November 21st that you will be able to come to Manchester next February. I will arrange a lecture for you here in the afternoon or evening of February 6th. I should be very pleased to put you up at my home, and you could travel up either on the evening of Tuesday the 5th or the morning of Wednesday February 6th, depending on your other plans. I hope in any case you will be able to spend a few hours in the department here, apart from the time occupied in your lecture. As regards the subject of your lecture, I would like to ask the opinion of a few of my friends and colleagues in the neighbourhood, and write to you again a little nearer the time.

Yours sincerely,

Milano, December 22, 1956

Dear Professor Gee,

I thank you deeply for your kind letter of November 29. I am now awaiting the information you promised to me, concerning the subject of my lecture in Manchester. I may develop more in details some arguments in which you are more interested.

With my best wishes for a Merry Christmas and a Happy New Year, I remain,

Sincerely yours,

November 21, 1956

Prof. G. GEE
The University of Manchester
MANCHESTER 13 - England

Dear Professor Gee,

Following up my letter of October 12, I wish to inform you that I have been informed by the Society of Chemical Industry of London, that my lecture would be scheduled on February 4, 1957.

Therefore, I hope I may come to Manchester Tuesday, February 5, in the evening or Wednesday, February 6 in the morning, and give my lecture in Manchester during the Wednesday.

If you think that some particular subject of my works can be of particular interest to your people, I may develop it more in my lecture in Manchester. For instance, I may develop more in detail the discussion of stereoisomery in linear polymers, or the field of structure of the molecules of stereoisomer polymers at the solid state (for instance, the structure of different helices of the different isotactic structures, or the field of the crystal structure of the four different stereoisomers of butadiene); or the field of the Block polymers constituted with portions of chains with different steric configuration, present in the same molecule.

I should like to know what you think about it.

Awaiting the pleasure to meet you next year, I send you my kindest regards.

Sincerely yours,

Giulio Natta

THE UNIVERSITY OF MANCHESTER

MANCHESTER, 13.

FROM
PROFESSOR G. GEE, F.R.S.
SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.

TELEPHONE ARDWICK 3333

22nd October, 1956

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
* 25 OTT 1956 *
R 474

Professor G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci,
Milano 32.

Dear Professor Natta,

Professor Gee was delighted to receive such a large number of your reprints this morning and is looking forward to reading them.

With many thanks,

Yours sincerely,

Sheila F. Cloot

Secretary to
Professor Gee

THE UNIVERSITY OF MANCHESTER
MANCHESTER, 13.

FROM
PROFESSOR G. GEE, F.R.S.
SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.

TELEPHONE ARDWICK 3333

383

15th October, 1956

ISTITUTO DI CHIMICA INDUSTRIALE DEL POLITECNICO
18 OTT 1956
383 Institut

Professor G. Natta,
Instituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci,
Milano 32.

Dear Professor Natta,

Many thanks for your letter of the 12th October. I am naturally delighted to learn that there is a good chance that you may be able to visit us during the year. We shall look forward to hearing further from you on the matter. If there is anything I can do to assist in planning your visit to England, I hope you will not hesitate to call on me.

Yours sincerely,

G. Gee

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
* - 8 OTT. 1956 *
R 301

THE UNIVERSITY OF MANCHESTER

MANCHESTER, 13.

4th October, 1956

FROM

PROFESSOR G. GEE, F.R.S.,
PROFESSOR OF PHYSICAL CHEMISTRY.
TELEPHONE : ARDWICK 3333

Professor G. Natta,
Instituto di Chimica Industriale
del Politecnico,
Milano.

Dear Professor Natta,

I see that there is a provisional arrangement for you to come over to England to address the Plastics and Polymer group of the Society of Chemical Industry during this session. I should like to say that if you find it possible to extend your stay in this country so as to come to Manchester we should be very delighted to see you here. If you could face the prospect of repeating your lecture in Manchester I am sure there would be many people in this area who would greatly welcome the opportunity of hearing you. Alternatively if you would prefer to spend the time in visits to my department and perhaps to other laboratories in the area this could easily be arranged.

We are not engaged here in any work on olefin polymerisation but have been working for some time on the polymerisation of olefin oxides. We have made a number of these and have begun to explore their polymerisation. We have recently begun to look at the type of catalyst used by Price in his work on propylene oxide polymerisation which I feel sure is very closely related to your own pioneer work on isotactic polymers. We are only just getting started in this field but I feel sure some interesting results are likely to emerge.

I expect you have had an enormous number of applications for reprints of your papers, but if you have any to spare I should be very glad to receive copies, as some of your papers are not readily accessible in Manchester.

Yours sincerely,

G. Gee

October 12, 1956

Professor G. GEE
The University of Manchester
MANCHESTER 13 - England

Dear Mr. Gee,

Many thanks for your kind letter of October 4, and for the appreciated invitation to come to Manchester during my forthcoming visit to England.

Till now, I have not yet arranged a definitive schedule for my travel to England, but I assure you that, as I should be very pleased to come to Manchester, I shall do all my best to include Manchester in my programm. Of course, I shall write to you again on this subject.

I am sending you, under separate cover, some reprints of my papers on isotactic polymers.

Thanking you for your kindness, I send you my best personal regards.

Sincerely yours,

Giulio Natta

FACULTY *of* TECHNOLOGY
UNIVERSITY OF MANCHESTER

Phone CENtral 3266

College of Technology
Sackville Street
Manchester 1

738

Professor G. Natta,
Polytechnic Institute, Milan.
Italy.

21st November, 1956

Dear Professor Natta,

As you know, there is a very widespread and intense interest in your work on isotactic and syndiotactic polymers. Early on you sent me a number of reprints at my request, a list of which I attach. I would be most grateful to you for reprints by your and your collaborators in this field published more recently, and indeed I would appreciate the courtesy of being put on your circulation list for future publications.

With all my thanks in advance and kind regards,

Yours sincerely,

Manfred Gordon

Dr. Manfred Gordon.

P.S. I read Italian fluently (as well as French and German), so reprints in these languages will be very useful.

TRUBENISED (GT. BRITAIN) LIMITED

39, Park Street, Mayfair, London, W.1 *GROSVENOR 6671/5*

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OUR REF: EK/VB/9 YOUR REF: DATE: 24th February, 1956.

Professor G. Natta,
Istituto di Chimica Industriale de Politechnico,
Plazza Leonardo da Vinci, 32,
MILAN, Italy.

Dear Sir,

In the last issue of Skinner's SILK & RAYON Record, we saw a report on Isotactic polymers. The Editor of the above journal has kindly given us your name and address so that we can contact you directly on this question.

We are wondering whether small quantities of Isotactic polypropylene are available for experimental purposes. If so, we should be obliged if you would send a small quantity to us. Even as little as 100 grams would be sufficient for preliminary evaluation.

Thanking you in anticipation.

Yours faithfully,
for TRUBENISED (GT. BRITAIN) LIMITED.
Technical Department.

E. Kornreich.

249 A

March 2, 1956

Mr. E. Kornreich
c/o Trubenised (GT. Britain) Ltd.
Technical Department
39, Park Street, Mayfair
L O N D O N, W.1. - England

Dear Sir,

I received your letter of February 24.

In regard to the samples of isotactical polypropylene you require, I inform you that the Montecatini Company is now producing these products in a pilot plant. You may, therefore, address yourself to the Montecatini Company (Via F. Turati 18, Milan, Italy) Dr. Porceuti.

Sincerely yours,

G. Natta

1194A

J. B. SPEAKMAN, D.Sc., F.R.I.C., F.T.I.
PROFESSOR OF TEXTILE INDUSTRIES
AND HEAD OF THE DEPARTMENT.
—o—
TEL. No. 31751

DEPARTMENT OF TEXTILE INDUSTRIES,
THE UNIVERSITY,
LEEDS, 2

July 18th, 1956.

Professor Dr. G. N. Natta.
Istituto di Chimica Industriale del Politecnico.
Milano.

Dear Professor Natta,

I have read with the very greatest interest your paper in 'Angewandte Chemie', vol. 68, No. 12, pp. 393-424, of June 21, 1956. If you have any reprints to spare of this paper, I would be very greatly obliged if you could let me have one.

Hitherto the vinyl polymers have not been attractive to textile chemists owing to their lack of crystallinity. The new developments described in your paper are therefore of the greatest interest to us here.

Yours sincerely,

A B Meggy

A. B. Meggy.

A 20
21/8/56

693 A

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TEMPLE BAR 6363/6

PROBLEM R-14

April 20, 1956

Prof. G. Natta,
Politecnico di Milano,
Milano,
Italy.

Dear Professor Natta,

I wonder whether I ever thanked you for your kindness when I visited with you at your laboratories in Milan on Monday, December 4, 1955? Since that time I have been back home for over a month and did, of course, talk to a number of my colleagues who are interested in your work and look forward very much to each new publication from your laboratories which concerns polypropylene and other polyolefines as well as improved polystyrene.

My friend, Dr. William Cook, who saw you more recently, told me that it should not be too long before your friends at Montecatini sign up with some American firms for licences for your inventions and, although we are not directly interested and are not proposing to enter into any licence agreement, commercial availability of your products will certainly enrich our technology both in Europe and in the United States to a considerable extent. A minor application would be of immediate interest to us and this concerns the possibility of obtaining high distortion point polystyrene in films thin enough to be useful for capacitors. We are thinking of a .2mil film strength and I wonder whether such film has already been prepared by you and whether we could possibly count on obtaining this, even by importing it at the special price undoubtedly warranted from Montecatini. Should you happen to have a small sample you could let us have for experiments this would help us greatly but we would be very much obliged if you could let us have some idea of the thickness of films which you have managed to prepare at your laboratories.

Hoping to have the pleasure of seeing you again the next time I come to Milan and wishing you in the meantime a pleasant trip to the United States where, I understand, you will attend the Gordon Conference, I am, dear Professor Natta, with kind personal regards,

Yours sincerely,

A. E. Laurence

Dr. A.E. Laurence
Foreign Technical Representative
Central Research

AEL/MAM

/ Contd...

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April 20, 1956

Prof. G. Natta

P.S. I understand that your United States itinerary is already fully booked but should you still have a chance of visiting with us at St. Paul, Minnesota, may I remind you of my previous invitation and repeat that you will be very welcome indeed if you can see your way clear to visit our new research laboratories of which I showed you a picture the last time I visited with you. I enclose a copy of our leaflet "Progress through Research" which may interest you and apologize for its condition but it is the only one I have here in the office.

A.E.L.

Copy - Dr.C.E. Barnes
Mr. Herbert M. Bond

F21 A

June 1, 1956

Dr. A. E. Laurence
Foreign Technical Representative
Central Research - Minnesota
Mining & Manufacturing Co. Ltd.
167, Strand
LONDON, W.C.2.

Dear Dr. Laurence,

With reference to your letter of April 20, I wish to inform you that the Montecatini is carrying out the production of films of our new products, but I think that they, till now, have not offered on the market these products.

In regards to your kind invitation to visit you at St. Paul, Minnesota, I regret not to be able to come, because my travel schedule is already very busy.

Hoping to have an other opportunity to meet you, I send you my best regards.

Sincerely yours,

Giulio Natta

ISTITUTO DI CH... INDUSTRIALE DEL ...
12 DIC. 1956
R 867

PERGAMON INSTITUTE

LONDON & NEW YORK

President : SIR ROBERT ROBINSON, O.M., F.R.S.

Director :
CAPT. I. R. MAXWELL, M.C.

Scientific Secretary :
PROF. H. STEPHEN, O.B.E., D.Sc., F.R.I.C.

4-5, FITZROY SQUARE,
LONDON, W.1

Telephone : EUSton 4455

DRG/SK.

10th December 1956.

"MONTE...
DOCUMENTAZIONE TECNICA

Professor G. Natta,
Polytechnic Institute,
Milan, Italy.

Dear Sir,

Dr. Plesch of the University College of North Staffordshire suggested that you would probably like to have a copy of a translation which we recently undertook for him. The translation was The Polymerization of Isobutene In The System Alkyl Halide - Ethane, Using Aluminium Chloride as Catalyst, by Zlamal Z., Ambroz J. & Ambroz L., from Chemicke Listy (Czechosolovakia) 1955, 49, pp. 1606-1617.

Since the translations undertaken by this Institute are done on a cost sharing basis, the maximum charge for this translation will be approximately 2½ guineas. If we receive further requests for it, as I am sure we shall, the charge will, of course, be even lower, since it is shared equally between all those requesting copies.

Under our co-operative translation scheme no charge is made until six months have elapsed during which time the availability of the translation is notified to all those who may be interested.

We have also undertaken the translation of an article entitled "The Catalytic Polymerization of Styrene with Iron Chloride or Tin Chloride" by Shostakovskii and Gladyshevskaia from the Izvestia of the Academy of Sciences of the USSR 1953, 2, pp. 351-356, at Dr. Plesch's request and would be glad to know if you would care to have a copy of this on exactly the same terms.

Professor G. Natta. 10th December 1956.

You may be interested to know that our translation service applies to all the Russian language scientific literature and that we are also able to offer a similar service in most subjects for the Czech and Polish languages.

I look forward very much to hearing from you and hope we may be of service to you.

Yours faithfully,

D. R. Gardner,
Administrative Secretary.

PERGAMON INSTITUTE

LONDON & NEW YORK

President : SIR ROBERT ROBINSON, O.M., F.R.S.

Director :
CAPT. I. R. MAXWELL, M.C.

Scientific Secretary :
PROF. H. STEPHEN, O.B.E., D.Sc., F.R.I.C.

4-5, FITZROY SQUARE,
LONDON, W.1

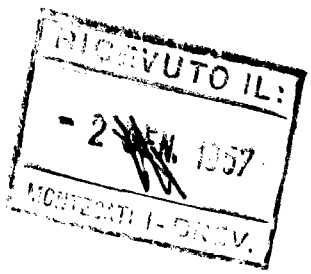
Telephone : EUSton 4455

DRG/SK.

27th December 1956.

Brevetti e Documentazione Tecnica
/m

Messrs. "Montecatini",
Via F. Turati, 18
Milano (134)
Italy.



Dear Sirs,

We thank you very much for your letter of the 17th December 1956 and are glad to note that you require a copy of the article by Shostakovskii et al on polymerization of styrene.

We have pleasure in enclosing a copy of this translation for which we will invoice you in May 1957.

We hope we may be of further service to you.

Yours faithfully,

D. R. Gardner,
Administrative Secretary.

Encl.

Prof. Natta, 13/12/56

Tel: Farnborough (Hants) 1800
Ext. 563

Metallurgy Department,
Royal Aircraft Establishment,
Farnborough,
HANTS. ENGLAND.

Ref: Mat.M6/C11/JPR

10th October, 1956

Dr. G. Natta,
Istituto di Chimica industriale delPolitecnico,
Milan,
Italy.

Dear Dr. Natta,

I have read with interest your paper given to the 4th Meeting of the French Society for Physical Chemistry, June 1954 (J. chim. phys. (Paris) 51, 702, (1954)). I would much appreciate a reprint of this paper if you have one to spare.

I am arranging for a copy of a recent report of ours on the influence of oxygen on the sintering of zinc oxide to be sent to you, and we will keep you posted with our future published work.

Yours sincerely,

J. P. Roberts

(J. P. Roberts)

N 171
12/10/56
2

ISTITUTO DI CHIMICA
INDUSTRIALE DEL P[illegible]OLITECNICO
* 13 OTT 1956 *
R 343

937A

EMBASSY OF THE UNITED STATES OF AMERICA
OFFICE OF NAVAL RESEARCH, BRANCH OFFICE, LONDON
KEYSIGN HOUSE, 429 OXFORD STREET, LONDON, W. 1
Telephone: GROsvenor 9000

In Reply Refer to:

52:RR:kh

24 May 1956

Professor Giulio Natta
Istituto di Chimica Industriale
del Politecnico
Piazza Leonardo da Vinci, 32
Milano, Italia

Dear Professor Natta:

I regret that my schedule is such that I shall not be able to meet you in Paris on 4 June. I had hoped that I would have been able to make your personal acquaintance and hope that this will be possible some time in the not too distant future.

Sincerely yours,

Ralph Roberts

Ralph Roberts
Scientific Liaison Officer

812A
Trip

EMBASSY OF THE UNITED STATES OF AMERICA
OFFICE OF NAVAL RESEARCH, BRANCH OFFICE, LONDON
KEYSIGN HOUSE, 429 OXFORD STREET, LONDON, W. 1
Telephone: GROsvenor 9000

In Reply Refer to:
52:RR:kh
A2-9/1
Ser: 2157

7 MAY 1956

Professor G. Natta, Direttore
Istituto di Chimica Industriale
del Politecnico
Piazza Leonardo da Vinci, 32
Milano, Italia

Dear Professor Natta:

I regret that your schedule to leave for the States on 5 June makes it impossible for you to meet me on that date. However, I shall be in Milan on 4 June and will rearrange my schedule if it will be possible to see you on that day. If not I would very much like to discuss the research in your laboratory with one of your assistants. Please let me know whether or not either of the above arrangements will be satisfactory.

Wishing you a very successful and interesting trip to the States.

Sincerely yours,

Ralph Roberts

Ralph Roberts
Scientific Liaison Officer

May 18, 1956

Mr. Ralph Roberts
Scientific Liaison Officer
Embassy of the U.S. of Americ
Office of Naval Research
Branch Office - Keysign House
429 Oxford Street
L O N D O N, W.1. - England

Dear Mr. Roberts,

Following up my letter of April 30 and replying to your very kind letter of May 7, I regret to inform you that I have been obliged to anticipate my departure to the United States. I leave Milan on June 3 and I will stay Monday, June 4, in Paris till the 8 p.m., then I shall fly to the United States. I could meet you, therefore, in Paris, on June 4. If this arrangement is satisfactory to you, please let me know as soon as possible, so that I may arrange a definitive appointment with you.

If it is no possible, I shall be glad to meet you in Milan or before my leaving or after my return (that is in September)

Hoping to have the opportunity to meet you soon, I send you my kindest regards.

Very sincerely yours,

Giulio Natta

739A

EMBASSY OF THE UNITED STATES OF AMERICA
OFFICE OF NAVAL RESEARCH, BRANCH OFFICE, LONDON
KEYSIGN HOUSE, 429 OXFORD STREET, LONDON, W. 1
Telephone: GROsvenor 9000

In Reply Refer to:

52:RR:kh
A11/J3
Ser: 2028

26 APR [illegible]

Professor G. Natta
Politecnico di Milano
Milano, Italia

Dear Professor Natta:

I have been associated with the staff of the London Branch of the Office of Naval Research since June 1955. Prior to this I was associated with the research program supported by this Office at various universities throughout the United States. As a result of this I have become quite familiar with the general picture of chemical research in the States. I am particularly interested in discussing with you your work on polymerization.

I plan to be in Milan early in June and suggest the afternoon of 5 June as a time for my visit. Please let me know whether or not this date will be convenient to you.

Sincerely yours,

Ralph Roberts

Ralph Roberts
Scientific Liaison Officer

5 forte ASP
invito 3 London Conf.

April 30, 1956

Mr. Ralph Roberts
Scientific Liaison Officer
Embassy of the U.S.A.
Office of Naval Research
Branch Office
Keysing House, 429 Oxford St.
L O N D O N W. 1 - England

Dear Mr. Roberts,

I received your kind letter of April 26 (52:RR:kh - A11/J3 Ser. 2028), and I am sorry not to bebable to meet you in Milan on June 5. I have been invited by the American Association for the Advancement of the Science, to attend at three Gordon Research Conferences, and namely, "Organic Reactions and Processes" on June 11-15, "High Polymers" on July 2-6, and "Elastomers" on July 30-August 3. Therefore I leave Milan on June 5 and shall be back during the first weeks of August.

Hoping to have the opportunity to meet you after my travel to the United States, I send you my best regards,

Very sincerely yours,

Giulio Natta

505 A

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TELEGRAMS:
"DESOLLAR, MANCHESTER"
TELEPHONE: BLACKFRIARS 8737/8.

ST. JAMES HOUSE,
44, BRAZENNOSE STREET,
MANCHESTER, 2.
AND AT LONDON: 330, GRESHAM HOUSE,
OLD BROAD STREET, E.C.2.
ALSO AT BRADFORD, MONTREAL, NEW YORK, &C.

PLK/KA

19th March, 1956.

Professor G. Natta,
Istituto di Chimica Industriale del Politechnico,
Plazza Leonardo da Vinci 32,
Milano, Italy.

Dear Professor Natta,

Thank you for lending me the negatives of your X-ray photographs which I return herewith. I think you will find that the article for inclusion in our April issue will be of interest and that it will attract attention throughout the textile fibre producing trade in English speaking countries.

Your co-operation is very much appreciated and if at any time I can be of service to you, do please let me know.

Yours sincerely,

Peter Lennox-Kerr

Peter Lennox-Kerr
Editor.

296 his A

Ingl

SKINNER'S SILK & RAYON Record

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PLK/KA

20th February, 1956.

Professor G. Natta,
Istituto di Chimica Industriale de Politechnico,
Plazza Leonardo da Vinci 32,
Milan,
Italy.

Dear Professor Natta,

Daily we are becoming more interested in your work on Isotactic polymers and Dr. Hearle has requested that I approach you for the loan of some X-ray defraction photographs. These appeared in the journal of Polymer Science, 1955, 16, 143, as plates 1 and 2.

If you are able to lend these prints to us I shall be most obliged, and naturally I shall return them to you as soon as we have made the necessary blocks.

Yours sincerely,

Peter Lennox-Kerr

Peter Lennox-Kerr
Editor.

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SKINNER'S SILK & RAYON Record

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AND AT LONDON: 330, GRESHAM HOUSE,
OLD BROAD STREET, E.C.2.
ALSO AT BRADFORD, MONTREAL, NEW YORK, &C.

PLK/KA

29th February, 1956.

Professor G. Natta,
Istituto di Chimica Industriale de Politechnico,
Plazza Leonardo da Vinci, 32,
Milan,
Italy.

Dear Professor Natta,

Further to my letter of 20th February, I would much appreciate it if you could let me have the X-ray diffraction photograph of isotactic polystyrene as soon as possible as I am now nearing my press date for April issue, in which the article about your discovery will appear.

Should you, for any reason, not have available a print, perhaps you could send me a very small sample of the isotactic polystyrene from which we could have our own photograph taken. Naturally the sample would be returned to you immediately afterwards.

'Skinner's Silk & Rayon Record' will, I sincerely hope, be the first trade journal in the world to feature your discovery in a large way. We shall not, of course, treat it in anything but a technical manner and there will be no suggestion of popular sensational journalism about it. We do feel, though, that you are launching something that will eventually prove to be as great as the discoveries of Whinfield and Dickson, Cross and Bevan, etc., and we hope to be the first English speaking journal to bring this to the notice of our extensive readership.

I hope to meet you when I am in Italy for the

/over

International Textile Machinery and Accessories Exhibition in 1958, unless you visit Britain before then.

Yours sincerely,

Peter Lennox-Kerr
Editor.

288 A

March 8, 1956

Doctor Peter Lennox-Kerr, Editor
Skinner's Silk & Rayon Record
St. James House
44, Brazennose Street
Manchester 2, England

Dear DoctorLennox-Kerr,

Please excuse the delay with which I am replying to your kind letters of February 20 and 29; I have been very engaged last weeks.

As to the X-ray diffraction photographs of polypropylene and polystyrene you requested to me, they were included in the reprints of "Accademia Nazionale dei Lincei" I sent you on February 16. , But, if you prefer to make reproduction from the original, I send you, enclosed here, the X-ray diffraction photographs requested.

Many thanks for your very kind expressions on my works, In regard to the opportunity to meet us each other in the next future, I inform you that I have been invited by the "Society of Chemical Industry, Plastics and Polymer Group", to give a lecture on Isotactical Polymers in December 1956 or January 1957. Till now, I cannot fixe the exacte date.

Hoping to have, in such an occasion, the pleasure to meet you, I send you my best regards,

Very sincerely yours,

Giulio Natta

Encl.

161 A

February 15, 1956

Mr. Peter Lennox-Kerr, Editor
Skinner's Silk & Rayon Record
St. James House
44 Brazennose Street
M A N C H E S T E R 2 - England

Dear Sir,

I received a letter from the Italian Embassy in London concerning your request of a original photograph of mine. I thank you for the paper you will publish and for the very kind expressions you had for my work.

I send you, enclosed here, my photograph and I am sending you, under separate cover, some reprints of my papers on isotactical polymers.

Very sincerely yours,

(Prof. G. Natta)

Encl.

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SKINNER'S SILK & RAYON Record

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ALSO AT BRADFORD, MONTREAL, NEW YORK, &C.

PLK/KA

17th February, 1956

Professor G. Natta,
Istituto di Chimica Industriale de Politechnico,
Plazza Leonardo da Vinci, 32,
Milan,
Italy.

Dear Professor Natta,

Thank you very much for your letter of 15th February and the portrait enclosed with it. Dr. J.W.S. Hearle of the Manchester College of Technology has prepared for us a most interesting article reviewing your work on Isotactic Polymers, and I shall certainly pass to him the papers you are sending me on this work.

As soon as the article is published, I shall see that a copy is sent to you.

Yours sincerely,

Peter Lennox-Kerr

Peter Lennox-Kerr
Editor.

1957

Editorial Headquarters
Washington, D. C.

CHEMICAL AND ENGINEERING NEWS

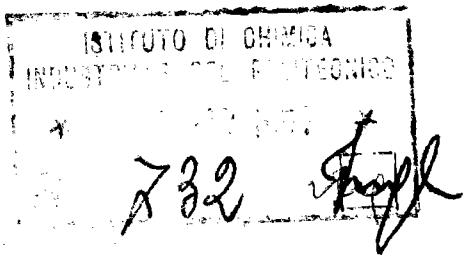
PUBLISHED BY THE AMERICAN CHEMICAL SOCIETY • WALTER J. MURPHY, Editor



Bush House • Aldwych, London, W.C.2 • Phone TEMple Bar 3605
Telegrams: JIECHEM, ESTRAND, LONDON

27 March, 1957

Professor G. Natta,
Istituto di Chimica Industriale,
Politecnico,
Piazza Leonardo da Vinci,
Milan, Italy.



Dear Professor Natta,

Thank you very much for the opportunity of visiting you in your home in Milan last week. I enjoyed talking with you and hope that I get a chance to see you in London this week.

Very truly yours,

Albert S. Hester

Albert S. Hester
Associate Editor
London Office

Editorial Headquarters
Washington, D. C.

CHEMICAL AND ENGINEERING NEWS

PUBLISHED BY THE AMERICAN CHEMICAL SOCIETY • WALTER J. MURPHY, Editor



Bush House • Aldwych, London, W.C.2 • Phone TEMple Bar 3605
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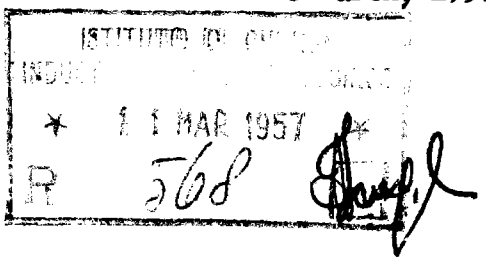
8 March, 1957



Professor G. Natta,
Istituto di Chimica Industriale,
Politecnico,
Piazza Leonardo da Vinci,
Milan, Italy.

Dear Professor Natta,

I plan to be in Milan the week of March 18 through 23, and if it is convenient I would like to visit with you to discuss recent developments in polyolefins. I will telephone your office when I arrive in Milan to see if this is possible.

I am looking forward to making your acquaintance.

Very truly yours,

Albert S. Hester

Albert S. Hester
Associate Editor
London Office

12 Settembre 1957

Mr. Dr. C.A. FINCH
COURTAULDS Ltd.
Research Laboratory
Lower Cookham Road
MAIDENHEAD, Berks. (England)

Rif.1477

Dear Mr. Finch,

with reference to your letter of August 26, I inform you that at present I have no copies available, as these work are not yet published. As soon as they become available, I shall send to you a copy.

Best regards,

Sincerely yours,

G.Natta

TELEPHONE: MAIDENHEAD 2234-8 TELEGRAMS: "COURTAULDS MAIDENHEAD"

COURTAULDS LIMITED

RESEARCH LABORATORY,
LOWER COOKHAM ROAD,
MAIDENHEAD, BERKS.

YOUR REF.

OUR REF. CAF/JJS

26th August, 1957

1477

Professor G. Natta,
Instituto di Chimica Industriale,
Politecnico,
Milano,
Italy.

Dear Prof. Natta,

I was most interested by the three papers presented by your collaborators at the recent International Congress of Pure and Applied Chemistry in Paris, and would be very glad to have copies of the papers when they become available.

Yours sincerely,

C A Finch

(Dr. C. A. Finch)

British Nylon Spinners Ltd.

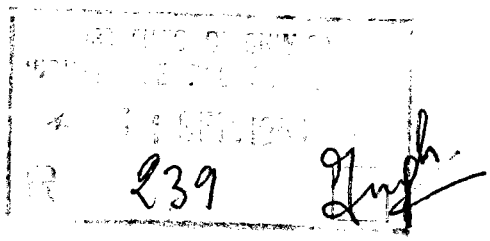
Telephone No.: PONTYPOOL 420
Telegrams: NYLON, PONTYPOOL, TELEX

PONTYPOOL, MONMOUTHSHIRE

Our ref: JS/LEM/GEN

28th January, 1957

Professor G. Natta,
Director,
Institute of Industrial Chemistry,
Polytechnic Institute,
MILAN,
Italy.



Dear Professor Natta,

I had the pleasure of making your acquaintance at the recent International Congress of Industrial Chemistry in Paris, where we had a brief discussion on the potentialities of isotactic polymers as fibre-forming materials. I am now able to inform you that, following your suggestion, my Company has made direct contact with Montecatini on this subject.

We understand that you are to visit Great Britain in the near future, and give lectures on isotactic polymers in London and Manchester. We would like to take this opportunity to extend a cordial invitation to you to visit the Research Department of our Company, and would suggest that you might perhaps like to deliver a similar lecture to our research staff.

We hope that you will be able to accept this invitation and look forward to welcoming you at Pontypool.

Yours sincerely,

J. Saunders.

J. SAUNDERS

January 31, 1957

Mr. J. SAUNDERS
"British Nylon Spinners, Ltd."
PONTYPOOL, Monmouthshire
(England)

Dear Mr. Saunders,

I receive your kind letter of January 28, with your kind invitation to visit the Research Department of your Company at Pontypool and to give a talk. I wish to thank you very much for this appreciated invitation, but I am sorry I have just many engagements during my trip in England and I must come back to Milan on February 8, and I cannot to delay my leaving from England.

I do hope to be able to accept your kind invitation in another occasion I may have to come to England.

With kindest regards,

Sincerely yours

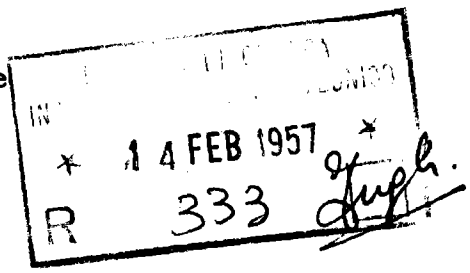
(Giulio Natta)

BRITISH PLASTICS EXHIBITION AND CONVENTION

DORSET HOUSE · STAMFORD STREET · LONDON S.E.1
Telephone: Waterloo 3333 (60 lines) Telegrams: Briplastic, Sedist, London

PM/LB 12th February, 1957.

Professor G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
Milan,
ITALY.



Dear Professor Natta,

I have been looking forward to a reply to my letter of the 15th January asking if you had yet been able to decide on whether or not you could speak at the British Plastics Convention in July.

I shall be very grateful if you could let me have an answer to this letter soon.

Yours sincerely,

Phillip Morgan

February 15, 1957

Mr. Phillip MORGAN,
Convention Manager
British Plastics Exibition and
Convention
Dorset House - Stamford Street
L O N D O N, S.E.I./England

Dear Mr. Morgan,

I had not yet replied to your letter of January 15 as I hoped to see you or other people from British Plastics Convention during my recent travel to London for a conference I presented at Society of Industrial Chemistry, on February 4, 1957, I am sorry not to be able to see anybody of yours.

I regret to inform you that it is impossible for me to attend the British Plastics Convention next July. Therefore, I informed the Montecatini Co. so that they can send some people of their Company, who may give some lecture on our work.

With best regards.

Yours sincerely,

(Prof.G.Natta)

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BRITISH PLASTICS EXHIBITION AND CONVENTION

ISTITUTO DI CHIMICA INDUSTRIALE DEL P...
* 17 GEN. 1957 *
R 107

DORSET HOUSE · STAMFORD STREET · LONDON S.E.1
Telephone: Waterloo 3333 (60 lines) Telegrams: Briplastic, Sedist, London

BP/PM/MS

15th January, 1957.

Professor G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
Milan, Italy.

Dear Professor Natta,

You will recall that we had some correspondence several months ago on the possibility of your taking part in the British Plastics Convention in July. You said in your letter of the 10th September that you would probably be visiting the United States at that time. Would it be possible for a paper to be prepared in conjunction with one of your colleagues and then, if you were unable to come to London, to be delivered by your colleague. The ideal arrangement might be a paper written jointly with Mr. Lombardo, of Montecatini. Perhaps you would let me have your views on this as soon as possible. If you are agreeable to the suggestion we would like the paper to be on some aspects of propylene polymers, and it would be delivered on July 12th.

I very much look forward to hearing from you and I should appreciate it if you could reply before the end of January.

Yours sincerely,

Phillip Morgan

THE UNIVERSITY OF MANCHESTER

MANCHESTER, 13.

FROM
PROFESSOR G. GEE, F.R.S.
SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.

TELEPHONE ARDWICK 3333

28th February, 1957

Professor G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci, 32,
Milan.

Dear Professor Natta,

Many thanks for your letter of the 26th. I am very interested to hear of the work which you and your colleagues have been doing, and shall look forward to seeing further details in due course.

Yours sincerely,

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26 February, 1957

Mr. Prof. G. GEE
The University of Manchester
MANCHESTER, 13 -England

Dear Professor Gee,

I have received a few days ago your letter of 8.2. and the manuscript of the lecture you have given to the Chemical Society I have read it with great interest.

You may be perhaps interested in the fact that we have tried to determine the coefficients of dilatation for some isotactic crystalline polymers by observing lattice constants variations. By this mean it is possible to obtain reliable results. Adiatatic compressibility has been measured by my collegue Prof. Baccaredda with ultrasonic waves. Found values are strongly dependent upon temperature and crystallinity.

I agree with you that the high melting point of some isotactic polymers should be due to a low value of the entropy of fusion. The macromolecules should be spiralised also in the melt.

I hope I shall have the occasion to see you in Italy. We shall be glad to hear you in a lecture in our Institute.

My best regards to Mrs. Gee and you.

Sincerely,

(Prof.G.Natta)

THE UNIVERSITY OF MANCHESTER

MANCHESTER, 13.

18th February, 1957

FROM

PROFESSOR G. GEE, F.R.S.

SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.

TELEPHONE ARDWICK 3333

410

Professor G. Natta,
Istituto di Chimica del Politecnico,
Piazza Leonarda da Vinci, 32,
Milan.

Dear Professor Natta,

I was very pleased to learn from your letter of the 14th February that you had enjoyed your short visit to Manchester. I am writing to Dr. Hill at your request to convey your thanks through him to the I.C.I.

With kindest personal regards,

Geoffrey Gee.

Menu

Tortue Claire au Sherry

—

Filet de Sole Murat

—

Suprême de Volaille Suédoise
Pommes Nouvelles à la Menthe
Haricots Verts au Beurre

—

Pêches Glacé Trianon

—

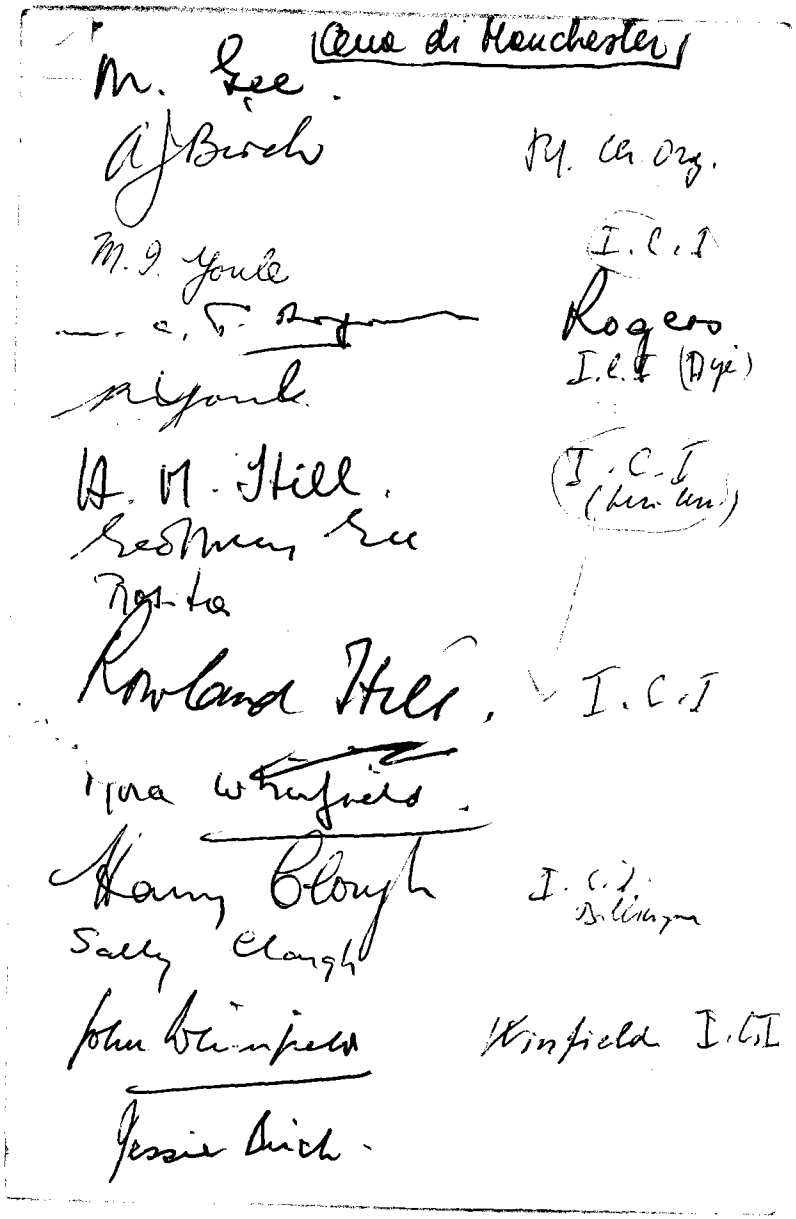
Canapé Diane

—

Café

6th. February 1957

MIDLAND HOTEL MANCHESTER



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February 14, 1957

Professor G. Gee
University of Manchester
MANCHESTER 13 - England

Dear Professor Gee,

I wish to thank you very deeply for all the kindnesses I received during my short stay in Manchester. I was very glad to have visited your Institute and to have made Mrs. Gee acquaintance, and also my wife keeps a very good remembrance of Mrs. Gee's courteousness.

I do hope that you have soon an opportunity to come to the Continent, beeause we should be very pleased if you may give a lecture at the Milan Polytechnic.

Please convey my best thanks to Mr. Hill, Mr. Winfield, Mr. Roger and the other people of I.C.I., I met at the dinner in Manchester : I cannot write to them directly as I do not know their address.

Thanking you again, Mrs. Natta and I send to Mrs. Gee and you our kindest personal regards.

Very sincerely yours,

Giulio Natta

THE UNIVERSITY OF MANCHESTER

MANCHESTER, 13.

FROM
PROFESSOR G. GEE, F.R.S.
SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.

TELEPHONE ARDWICK 3333

8th February, 1957

Professor G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci, 32,
Milan.

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Dear Professor Natta,

As I promised on Wednesday I am sending you the manuscript of the Tilden lecture which I gave to the Chemical Society recently. This has just been sent in for publication.

May I again thank you for your visit on Wednesday, which was greatly enjoyed by my colleagues as well as by myself.

With kind regards,

Yours sincerely,

Geoffrey Gee

THE UNIVERSITY OF MANCHESTER

MANCHESTER, 13.

FROM

PROFESSOR G. GEE, F.R.S.

SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.

TELEPHONE ARDWICK 3333

252

Geo Maurice Lee

THE UNIVERSITY OF MANCHESTER

MANCHESTER, 13.

FROM

PROFESSOR G. GEE. F.R.S.
SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.
TELEPHONE : ARDWICK 3333

17th January, 1957

...TO DI CHIMICA
...DEL POLITECNICO
133

Professor G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

Dear Professor Natta,

Thank you for your letter of the 11th regarding your visit to Manchester. I am getting in touch with the London people to see what plans they have for you, but I hope that in any case you may be able to come up to Manchester on February 5th. If on that day you are fully engaged in London, you could still get to Manchester by leaving London at 6.0 p.m, arriving about 9.30 p.m. This would then give us the whole of February 6th. We could spend most of the day in the laboratory, and your lecture will be at 4o'clock, then you can leave for London at any time you like on February 7th.

As you request I have booked you provisionally a double-bedded room at the Midland Hotel in Manchester for the nights of the 5th and 6th February. I assume from this request that you will be bringing your wife with you, and I am sure my wife will be anxious to meet her, and to assist her in any way she can. I do not know whether your wife is also a scientist and would wish to come into the laboratory, or whether she would wish to spend her time in some other way.

Yours sincerely,

G. Gee

January 25, 1957

Professor G. GEE
The University of
M A N C H E S T E R 13 - England

Dear Professor Gee,

Many thanks for your kind letter of Hanuary 17. As your suggested to me, I shall leave London on February 5 at 6 p.m., to arrive to Manchester at 9.30 p.m. I should be very grateful if you may confirm the booked romm at the Midland Hotel for the nights of February 5 and 6.

My wife, who knows English more better than me, will come with me and she is anxious to see again England, that she did not see after the war. My wife is not a chemist and I think shes wishes to spend her time in some other way except that visiting laboratories!

Looking forward to seeing you, I am,

Sincerely yours,

Giulio Natta

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
7 GEN. 1957
R 24

THE UNIVERSITY OF MANCHESTER

MANCHESTER, 13.

2nd January, 1957

FROM
PROFESSOR G. GEE. F.R.S.
SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.
TELEPHONE : ARDWICK 3333

Professor G. Natta,
Istituto di Chimica Industriale,
Piazza Leonardo da Vinci 32,
Milan.

Dear Professor Natta,

Thank you for your letter of the 22nd December. I have discussed your visit with one or two friends, and I believe that the most generally acceptable subject from the alternatives you offer in your letter of November 21st would be "stereoisomerism in linear polymers." I shall make your lecture known outside the University, and I hope we may have a considerable number of industrial people here as well as a group of my own students. I think therefore you must assume that by no means all of the audience will be familiar with your published work, so I hope your lecture will include a general account of the subject for those not already familiar with it, as well as some of your newer work for the benefit of those already familiar with your papers. I am assuming that you will be willing to give your lecture in English, as I fear that many members of the audience would find difficulty in following it in any other language. We are announcing the lecture for 4 o'clock on Wednesday the 6th February.

We are looking forward very much to your visit and I should be glad to learn from you the approximate timing of your journeys so that we can arrange to meet you and look after you.

Yours sincerely,

Geoffrey Gee

24

January 11, 1957

Professor G. Gee
The University of Manchester
M A N C H E S T E R 1 3
(England)

Dear Professor Gee,

Many thanks for your kind letter of January 2, that I received on my return to Mailan after a holiday period spent in Switzerland.

According to your proposal, I shall develop the argument : "Stereoisomerism in linear polymers" in my lecture, that will be divided in two parts : the first on olefins polymers and the second on diolefins polymers. In addition, if the time is sufficient, I may say few words about a new part concerning the block polymers with portions of their chain having different steric structure. As I know only a little the English, I shall show several slides and read my lecture in English.

I will come to London on February 3, to give my lecture at Society of Chemical Industry on February 4, in the afternoon. Therefore, I may come to Manchester on February 5, in the afternoon, or on February 6, in the morning.

I should be very grateful to you if you may fix a double-bedded room at the hotel, and to conseil me about the more convenient date of my arrival, as I should think to come back to London on February 7.

Looking forward to seeing you soon, I send you my deepest thanks and best regards.

Sincerely yours,

Giulio Natta

23 Marzo 1957

Dott. Ing. Antonio GIACHIN
10 Upper Grosvenor Street
L O N D O N, W.1. - England

Egregio Ingegnere,

Le confermo che arriverò a Londra il 25 c.m. partendo dalla Malpensa alle 14.25 con un aereo dell'Alitalia, che credo che arrivi a Londra verso le ore 16 (ora locale). Mi recherò subito al Savoy Hotel da dove Le telefonerò in ufficio perchè avrei piacere di incontrarLa lunedì stesso.

La decisione di presentare una conferenza al Simposio sulle Gomme è stata presa all'ultimo momento, e perciò il testo della mia conferenza è stato scritto in modo piuttosto affrettato. Le sarei quindi molto grato se Lei potesse disporre, nella giornata di lunedì, di una oretta di tempo per rileggerla insieme.

La pregherei anche di telefonare, prima del mio arrivo, agli organizzatori del Simposio (Rubber and Plastics Age, Londra, Tel. ABBey 7447), parlando possibilmente con Mr. Pickett, per sapere l'ora esatta della mia conferenza. Mi è stato assegnato, per la lettura della conferenza, un tempo di mezz'ora, seguito da 15' di discussione. Probabilmente questo tempo è un pò poco e La pregherei di sentire se fosse possibile prolungarlo almeno di 5 o 10 minuti.

In attesa di presto rivederLa, Le invio i migliori saluti.

Giulio Natta

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC ADDRESS: GABBROENG, AUDLEY, LONDON.

CABLE ADDRESS: GABBROENG, LONDON

TELEPHONE: GROSVENOR 5189 (2 LINES)

19 UPPER GROSVENOR STREET,

LONDON, W.1.

ISTITUTO DI CHIMICA INDUSTRIALE DEL POLITECNICO
11 MAR 1957
R 569

9 Marzo 1957.

Preg.mo Sig.
Prof. Giulio Natta
Politecnico di Milano
Piazza Leonardo da Vinci, 32
M i l a n o.

c.p.c. Segreteria Amministratori Delegati.

c.p.c. Serv. Relazioni Sociali - Sez. Istruz. Professionale.

Gentilissimo Professore,

in relazione alle richieste pervenutemi rispettivamente dalla Segreteria Amministratori Delegati e da RESO, relativamente alla Sua prossima venuta a Londra, desidero precisarLe che, non avendo trovato disponibilità presso il Grosvenor House, ho provveduto a fissarLe una stanza con bagno al Savoy Hotel, Strand, dal 25 al 29 Marzo pp.vv.

Quanto alla Sua partenza, sto provvedendo ad assicurarLe un biglietto per l'aereo del 28 ed un secondo biglietto per l'aereo del 29 onde consentirLe di decidere anche all'ultimo momento se partire l'uno giorno oppure l'altro.

Nel frattempo spero che la Rubber & Technical Press Ltd. Le abbia fatto pervenire i tre biglietti per il Simposio e che quindi anche tali predisposizioni siano assicurate.

Ben lieto di poterLa presto riincontrare, La prego di accogliere i miei migliori ossequi.

A.Giachin.

12 Marzo 1957

Egr. Dr.Ing.A.Giachin
10 Upper Grosvenor Street
L o n d o n - W.1
(England)

Egregio Ingegnere,

La ringrazio molto della Sua gentile lettera del 9 u.s., relativa alla mia prossima venuta a Londra.

Poichè sono stato invitato a tenere una conferenza al Simposio, ho deciso di rimanere a Londra anche il 28 Marzo, quindi la mia partenza da Londra rimane fissata per il 29 Marzo .

Lieto di avere presto l'occasione di rivederLa, La ringrazio del Suo cortese interessamento e La prego di gradire i migliori saluti .

(G.Natta)

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC ADDRESS: GABBROENG, AUDLEY, LONDON.

CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 14 Febbraio 19 57

ISTITUTO DI CHIMICA INDUSTRIALE DEL POLITECNICO
* 16 FEB 1957 *
R 359

Preg.mo Sig.
Prof. Giulio Natta
Politecnico di Milano
Piazza Leonardo da Vinci, 15
M i l a n o.

Gentilissimo Professore,

ho provveduto oggi a regolare il conto del Grosvenor House ammontante a £g. 23.2.10 e Le sarei obbligato se volesse precisarmi come regolarmi nell'addebitare tale spesa.

Mi sarebbe pure gradito un Suo chiarimento circa lo atteggiamento da assumere nei riguardi di un'eventuale richiesta di partecipazione alle Sue spese da parte della Society of Chemical Industry.

Inutile dire che il conto del Grosvenor House non ha nulla a che vedere con la Society of Chemical Industry.

Mi creda, con ogni migliore ossequio.

A.Giachin

18 Febbraio 1957

Dr. Ing. Antonio GIACHIN
10 Upper Grosvenor Street
L O N D O N, W.1. - England

Egregio Dottore,

Ricevo la Sua lettera del 14 u.s. Desidero ringraziarLa per tuttelle cortesie che Elle cia ha prodigato durante la nostra permanenza a Londra. Desidero anche esprimerLe i ringraziamenti di mia moglie.

Per quanto riguarda un'eventuale richiesta di partecipazione alle spese da parte della Society of Chemical Industry, La pregherei di rivolgersi direttamente al Dr. Guida, Segreteria degli Amministratori Delegati, della Montecatini. Per quanto riguarda invece il conto del Grosvenor House, esso deve essere addebitato alla Società Montecatini.

Spero di avere presto occasione di vederLa in Italia. La prego di porgere alla Sua gentile Signora molti ossequi da parte mia mia moglie e mia.

Gradisca i nostri migliori saluti.

Giulio Natta

DOTT. ING ANTONIO GIACHIN

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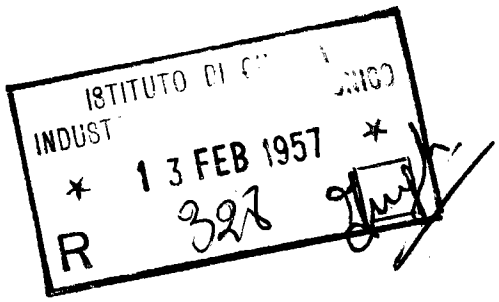
10 UPPER GROSVENOR STREET,

LONDON, W.1. 9 Febbraio 1957



Preg.mo Sig.
Prof. Giulio Natta
Politecnico di Milano
Piazza Leonardo da Vinci, 15
M i l a n o.

Le trasmetto in allegato la copia della conferenza da Lei tenuta a Londra così come da Lei desiderato, spiacente che per un disguido non abbia potuto consegnargliela a mano prima della Sua partenza.

Mi è assai gradita l'occasione per rinnovare a Lei ed alla gentile Signora Natta l'espressione del nostro migliore ricordo.

All.:1

A. Giachin.

DOTT. ING ANTONIO GIACHIN

Representative for the United Kingdom of
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28 Gennaio 19 57

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
30 GEN. 1957
227

Preg.mo Sig.
Prof. Giulio Natta
Politecnico di Milano
Piazza Leonardo da Vinci, 15
M i l a n o.

Gentilissimo Professore,

La ringrazio per la cortese Sua del 26 Gennaio u.s., che mi ha consentito di effettuare le prenotazioni dei posti sul treno per Manchester alle ore 15,30 del giorno 5 Febbraio p.v. e di confermare al Prof. Gee il Loro arrivo alle ore 21,15 del giorno 5 e la prenotazione della stanza a due letti dal giorno 5 al giorno 7 al Midland Hotel.

Ho preso anche nota dei dati relativi al Suo arrivo a Londra e ritengo trattarsi del volo SR 102, in partenza da Ginevra alle ore 14,20 ed in arrivo all'aeroporto di Londra alle ore 15,45.

Come forse Ella saprà, qui siamo in regime di stretto razionamento per la benzina e non so pertanto se mi sarà possibile di venire a riceverLa all'aeroporto. La prego in ogni caso di voler prendere nota del mio numero telefonico privato (WEStern 7143), considerato che di Domenica l'ufficio è chiuso.

Quanto alle diapositive, ho confermato a Mr. Wheeler della Shell Chemical Company Ltd. che quelle che Ella conta di proiettare sono del formato 8½ per 10 (3,4 per 4 pollici) e spero che abbia già provveduto in relazione.

Le sarò sinceramente obbligato se non avrà esitazioni a

./.

Seguito della lettera del 28 Gennaio 1957 indirizzata al Prof. G. Natta di Milano.

rivolgersi a me per quanto potesse occorrerLe ed, in attesa di incontrarLa, La prego di voler accogliere i miei migliori ossequi.

A.Giachin.

30 Gennaio 1957

Egr. Sig.Dr. Antonio GIACHIN
Representative of Soc.
" MONTECATINI "
10, Upper Grosvenor Street
L O N D O N, W.1.

Egregio Dottore,

ricevo oggi stesso la Sua lettera del 28 c.m. e La ringrazio per il Suo sollecito interessamento nei miei riguardi.

Ho fissato la partenza con la "Swiss Air" da Ginevra per domenica 3 febbraio. Non si disturbi a venire all'aeroporto, ci saranno certamente dei mezzi di trasporto che porteranno i viaggiatori direttamente a Londra.

Ho preso nota del Suo numero telefonica privato e non mancherò di telefonarLe appena arrivato in Inghilterra.

I miei migliori saluti.

(Prof.G.Natta)

DOTT. ING ANTONIO GIACHIN

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TELEPHONE : GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 21. Gennaio 1957

ISTITUTO DI CHIMICA
RIALE DEL POLITECNICO
23 GEN. 1957
R 164

Preg.mo Signore
Prof. Giulio Natta
Politecnico di Milano
Piazza Leonardo da Vinci, 15
M i l a n o

Egregio Professore,

il Prof. G. Gee dell'Università di Manchester si è rivolto a me per precisazioni circa la Sua andata colà il giorno 5, preoccupato di non fare a tempo per riservare la sistemazione in albergo e i posti prenotati per il viaggio da Londra a Manchester.

Io non ho avuto alcuna notizia circa la seconda parte di questo Suo viaggio e non sono, quindi, in grado di aiutare il prof. Gee.

Le sarei, perciò, oltremodo obbligato se volesse comunicarmi a stretto giro di posta il Suo programma consentendomi, così, di provvedere tempestivamente per la parte londinese e di trasmettere al prof. Gee gli elementi necessari per assicurare tutto anche a Manchester.

La ringrazio e La prego di accogliere i miei migliori ossequi.

A. Giachin

164

ITUTO DI CHIMICA INDUSTRIALE
DEL POLITECNICO
AZZA LEONARDO DA VINCI, 32 - MILANO

MILANO, 25 Gennaio 1957
TELEF. 292.125 - 292.126

Egr. Sig. Dr. Antonio GIACHIN
Rapresentative of "MONTECATINI"
10, Upper Grosvenor Street
L O N D O N W.1. - England

Egregio Dottore,

In riferimento alle Sue lettere del 18 e 21 c.m., La ringrazio vivamente per il Suo interessamento. Le confermo che io partirò ~~da Milano probabilmente alla sera del giorno 2 febbraio~~ con mia moglie ~~per Parigi e proseguirò il 3 in aereo per Londra.~~ di Linea il 3 p.v. in aereo del Swissair da arrivo a Londra ore 4 15-16

Il giorno 5 Febbraio, secondo il consiglio avuto dal Prof. Gee, partirò per Manchester dove egli mi ha fissato una camera al "Midland Hotel"

Per quanto riguarda il viaggio da Londra a Manchester, La pregherei di far prenotare il posto per me e mia moglie sul treno espresso ("The Mancunian"), che parte il giorno 5 alle 6 p.m. dalla Euston Station e che dovrebbe arrivare a Manchester alle 9,30 p.m., facendo eventualmente riservare, se pensa che ci sia molto affollamento, il posto sulla vettura ristorante.

Non ho ancora desiso il programma del ritorno, poichè sono stato invitato a visitare dei laboratori a Birmingham. ~~Penso però di arrivare a Londra il 7 sera e di ripartire il giorno 8 in aereo. La pregherei perciò di fissarmi una camera per il 7 sera.~~ il giorno 7 p.v. Non so ancora (Oppure se avrò tempo il giorno 8 direttamente da Birmingham all'aeroporto di Londra ove giungerò alle 10 per Zurigo.

Ritengo di proiettare molte figure durante la mia conferenza, tenuto conto della mia limitata conoscenza dell'inglese. Per tale ragione, Le sarei molto grato se volesse interessarsi presso il Segretariato della "Society of Chemical Industry" - 14, Belgrave Square, per assicurasi se le "slides" di cm. 8½ x 10 (ossia approssimativamente 3,4 x 4 poll.) possono essere proiettate. Con lettera del 7 u.s., la Società of Chemical Industry mi aveva promesso di provvedere in proposito. La ringrazio vivamente per il Suo interessamento e La prego di scusarmi per il disturbo che Le arreco.

I migliori saluti.

(Prof. G. Natta)

Le sarei grato di farmi sapere a Londra se ha avuto notizie, e pregherei di attendere l'esito a Manchester onde sapere se devo ritornare a Londra il mio viaggio di ritorno.

DOTT. ING ANTONIO GIACHIN

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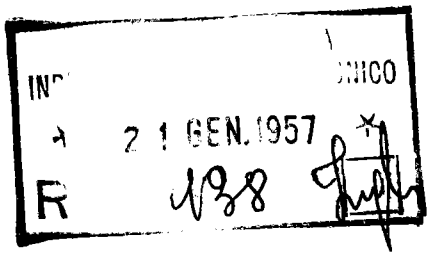

Preg.mo Sig.
Prof. Giulio Natta
Politecnico di Milano
Piazza Leonardo da Vinci, 15
M i l a n o.

Gentilissimo Professore,

faccio seguito alle precedenti comunicazioni di questo ufficio, con cui Le davamo conferma della prenotazione di una stanza matrimoniale al Grosvenor House per i giorni 3, 4, 5 Febbraio pp. vv., e colgo l'occasione per inviarLe, per Sua opportuna conoscenza, fotocopia di lettera ieri ricevuta da Mr. Bell nei riguardi delle manifestazioni del giorno 4 Febbraio.

Sono assai lieto dell'occasione particolarissima che mi viene offerta di assistere ad una Sua conferenza e, mentre rimango a Sua completa disposizione per quanto potesse occorrer Le, La prego di accogliere i miei più distinti saluti.

A. Giachin.

All.:2

General Secretary: Lt.-Col. Francis J. Griffin Telephone. BELgravia 3681

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Shell Chemical Company Limited,
Norman House,
105/9 Strand,
London, W.C.2
Tel.: Temple Bar 4455

Dr. A. Giachin,
Messrs. Montecatini S.p.A.,
10 Upper Grosvenor Street,
LONDON, W.1.

11th January, 1957.

Dear Dr. Giachin,

You will remember my writing to you on November 6th about the visit of Prof. Natta on February 4th, and I have been very much obliged to you for your interest and comments about expenses, etc.

In that letter I invited you to join us on that occasion both for the lecture and for the dinner afterwards, and can now give you more definite information.

The lecture is to be at 14 Belgrave Square, the headquarters of the Society of Chemical Industry, at 6.30 p.m. on February 4th, and afterwards there will be the dinner party; I cannot give you the final arrangements for that, but you would be coming with us from the lecture, so that we should all be together.

Looking forward to seeing you.

Yours sincerely,

S. H. Bell.

17.1

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DRG/MJH

August 9th, 1957.

11 AGO 1957
RICEVUTO IL
12 AGO. 1957
MONTECATINI - BREV

Messrs. "Montecatini",
Via F. Turati, 18,
Milano (134),
ITALY.

Dear Sirs,

Translated Russian and East European Chemical Papers

I am sorry that there has been such a gap in keeping you informed of chemical papers translated by the Institute as part of our co-operative translation service. However, I now have pleasure in sending you the complete listto date of those which we have made and which are available on a cost-sharing basis. For each of these translations the total cost is shared amongst all the recipients, but the maximum cost is limited to 30s. or $4.00 per 1000 words of the original, though this is likely to be substantially reduced. Our invoice for the translation you requested on December 17, 1956, is enclosed for your kind attention.

The Institute will shortly begin regular publication, free of charge, of monthly translated contents lists of the principal Soviet and East European scientific journals. I would be glad to add your name to the mailing list if you would let me know the broad divisions in which you are interested. In addition to chemical sciences, these will be physico-~~chemical~~ mathematical sciences, biological and medical sciences, earth sciences, technology and nuclear energy. Complete translations of any papers selected from these lists will be available under the co-operative cost-sharing scheme already in operation.

We look forward to being of service to you,

Yours faithfully,

D.R. Gardner,
Administrative Secretary.

Enc.

P.S. I should mention that we were originally in correspondence with Professor Natta of the Polytechnic Institute, Milan, on this subject and he may perhaps be interested to know of these further translations.

PERGAMON INSTITUTE

LIST OF TRANSLATED RUSSIAN & EAST EUROPEAN CHEMICAL PAPERS

C.S. 1. "Carbonium Copolymerization of Unsaturated Compounds
1. Investigation of Copolymerization of Isoprene with Styrene."

T.E. Lipatova, A.R. Gantmakher and S.S. Medvedev, Zhur. Biz. Khim., 33, 1752-1759 (1956).

C.S. 2. "The Liquid-Gas Phase Equilibrium. XVIII. System Titanium Chloride - 1, 1, 2, 2, Tetrachloro-Ethane."

H. Butta, Chem. Listy, 1956, 50, pp. 1646-8 (Czechoslovakia).

C.S. 3. "Investigation of Complex Formation in Ternary Systems by the Methods of Physico-chemical Analysis. VI. System $AlBr_3$-$C_6H_5NO_2$-C_2H_5Br."

E. Ia Gorenbein. J. Inorg. Chem. U.S.S.R., 1956, I. 1877 - 1882.

C.S. 4. "Copolymerization of Diethylenic Hydrocarbons (Diolefins) with simple Vinyl Ethers."

S.P. Mitsengendler, V.N. Krasulina and L.B. Trukhmanova. Izvestiia, Adademy of Sciences of the U.S.S.R., 1956, No. 9.

C.S. 5. "On the Formation of Benzene Homologues and the particular role of the Surface in Thermo-Catalytic Transformations of Isobutylene in the Presence of Boron Fluoride."

Ya. M. Paushkin and A.G. Khil-zenrat. Doklady Akad. Nauk SSSR, 1956, 109, 958-961.

C.S. 6. "Unsaturated Silicon Hydrides."

Robert Schwarz and Fritz Heinrich, Z. anorg. allg. Chem., 1955, 221, 277-86 (Germany).

C.S. 7. "Quantitative Spectral Analysis of Polymers in the Infra-red Region".

V.N. Nikitin, Izvestiia Akad. Nauk SSSR - seriia fiz. 17, (1953), 5, 644-648.

C.S. 8. "The Polymerization of Isobutene in the system Alkyl Halide-Ethane using Aluminium Chloride as Catalyst."

Z. Zlamal, J. Ambroz, L. Ambroz, Chem. Listy, 1955, 49, 1606-1617 (Czechoslovakia).

C.S. 9. "The Catalytic Polymerization of Styrene with Iron Chloride or Tin Chloride."

Shostakovskii and Gladyshevskaia, Izvestiia, Academy of Sciences of USSR, 1953, 2, 351-356.

C.S.10. "Infra-red Absorption Spectra of Nitrocellulose Solutions".

V.N. Nikitin, Zhur. Fiz. Khim., 1949, 23, 786-9.

ESTABLISHED 1899

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POLITECNICO
- 7 OTT. 1957
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Yours faithfully,

T.G. Wilkie.
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Professor Giulio Natta

Instituto Di Chimica Industriale

Del Politecnico

Piazza Leonardo da Vinci 32

MILAN

ITALY

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ISTITUTO DI CHIMICA INDUSTRIALE DEL POLITECNICO
* 23 MAR 1957 *
R 694

OUR REF: EGC/HB

YOUR REF: N.545

20th March 1957

Professor Giulio Natta,
Instituto di Chimica Industriale
del Politecnico,
Piazzo Leonardo da Vinci, 32,
Milan,
Italy.

Dear Professor Natta,

Many thanks for your letter of March 16th, and your kind offer to provide me with 100 milligrams of isotactic polyvinyl isobutyl ether, which will be most useful. I should also be very glad indeed to have small samples of your isotactic and linear polystyrene, and particularly your poly-1:2-butadiene (isotactic and syndiotactic and atactic).

Hoping that you will be able to pay a visit to our laboratories while you are in London,

Yours sincerely,

E. G. Cockbain

E.G.Cockbain

DOTT. ING ANTONIO GIACHIN

Representative for the United Kingdom of
"MONTECATINI" S.p.A.
Incorporated with limited liability in Italy.

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CABLE ADDRESS : GABBROENG, LONDON.

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10 UPPER GROSVENOR STREET,

LONDON, W.1. 30 Gennaio 19 57

ISTITUTO DI CHIMICA
INDU
- 1 FEB 1957
R 251

Preg.mo Sig.
Prof. Giulio Natta
Politecnico di Milano
Piazza Leonardo da Vinci, 15
M i l a n o.

Egregio Professore,

un tanto per confermarLe che tutte le predisposizioni sono state prese nei riguardi del proiettore per le diapositive dalle dimensioni da Lei menzionate e quindi questo punto è in ordine.

Le prenotazioni sono già state effettuate ed il Professor Gee mi ha scritto proprio oggi per accusare ricezione della mia lettera e conferma che conta di passare il giorno 6 Febbraio insieme con Lei.

Mi creda, con ogni migliore ossequio.

A. Giachin

ARTHUR D. LITTLE RESEARCH INSTITUTE,

INVERESK GATE
MUSSELBURGH
MIDLOTHIAN
SCOTLAND.

Telephone: Musselburgh 2434-5

Ref: A.193/1.4

31st January, 1957.

Professor P. Corradini,
Instituto di chimica industrial
Politecnico di Milano,
Milan.
ITALY.

Dear Professor Corradini,

I am very interested in your recent publications, mentioned below, on isotactic and similar polymers and I would be most grateful if you could send me reprints of them.

196 - The Geometric Form of Helical Chains of Isotactic Crystalline Polymers.(with Italo Pasquon). Atti. accad. nazl. Lincei, Rend., Classe sci.fis.mat. e nat. 1955, 19, pp. 453-9.

194 - Synthesis and Properties of Highly Polymerized Crystals of some α-Olefines having branched Chains. ibid. 397-403.

195 The Crystalline Structure of Several Isotactic Polymers of α-Olefines. ibid.p.414-11.

205 Crystalline Polymers of Butadiene and Structure of 1,2-polybutadiene. ibid. pp. 229-37.

203 Structure of the Crystalline Poly (propylene oxide) Chain. ibid. 20, pp. 408-13.

204

Yours sincerely,

M Gordon

Dr. M. Gordon
~~Assistant Director~~.

inviate 19/2/1957

/JO.

ISTITUTO DI CHIMICA INDUSTRIALE DEL POLITECNICO
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OUR REF
DPR/HS.

YOUR REF

DATE
10th January, 1957

Please reply to :—
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Telephone: RODNEY 5441

Professor G. Natta,
Istituto di Chimica Industriale del
Politecnico,
Milan,
Italy.

Dear Professor Natta,

I should be most grateful if you would send me a reprint of your paper entitled

"Une Nouvelle Classe de Polymères d'α-Oléfines ayant une Régularité de structure Exceptionelle"

which appeared in J. Polymer Sci. 1955, 16, 143, together with any supplementary publications which may have appeared since the above paper was published.

With many thanks,

Yours sincerely,

D. P. Riley

D. P. Riley,
Chief Consultant: X-Ray Division.

Members of the Scientific Instrument Manufacturers Association of Great Britain and of the British Scientific Instrument Research Association

September 18, 1957

Mr. P. B. KOCH

KOCH LABORATORIES
46 Britton Street
Clerkenwell Road
L O N D O N - E.C.I

Rif. No. 1573/rl

Dear Mr. Koch,

Thank you for your kind letter of September 15. I wish to inform you that we are interested in getting 1 Kg samples of the products indicated in your letter.

In particular, we are interested to the following products :

ortho-vinyl toluene

vinyl mesitylene

vinyl xylene (isomers mixture, specifying its composition)

vinyl xylenes (the pure isomers available)

alpha-vinyl naphthalene

para-vinyl toluene

Please let us know the prices of all these products as soon as possible. According to the results we will obtain using your products, we shall order to you greater samples.

Awaiting your prompt reply,

truly yours,

Prof G. Natta

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...E DEL POLITECNICO
* 18 SET. 1957 *
R 1573

YOUR REF.

OUR. REF. PEK/SK/15C.

15th September, 1957.

Prof. G. Natta,
Istituot di Chimica Industriale,
Politecnico,
Milano,
Italy.

Dear Professor Natta,

We would like to bring to your attention that we are at present in the process of manufacturing several aromatic vinyl compounds which have hitherto been available only at very high prices.

The following will be available very shortly in up to kilogram quantities and we would be pleased to hear from you concerning supplies of these:-

VINYL TOLUENE

VINYL XYLENE

VINYL NAPHTHALENE

VINYL MESITYLENE

Looking forward to hearing from you,

Yours faithfully,

P. B. Koch

P. B. Koch.

October 16, 1957

Mr. M.S. MANN
Chemistry Department
The University
HULL - England

Ref.No. 1652

Dear Dr. Mann,

I have at hands your letter of September 29.

As I told you in my previous letter, I will be glad to associate you in a research work at this Department. I cannot, however, be sure of the date you can start to work here, because the new Laboratories are still in construction. I think they will be ready before the end of the year 1958.

Before suggesting a working program, I need to know how long you may remain in this Country. In this connection you can realize that financial support for laboratory apparatus and chemical products is granted by this Department.

With best regards.

Sincerely yours,

(Prof. G. Natta)

ISTITUTO DI CHIMICA INDUSTRIALE DEL POLITECNICO
* - 2 OTT. 1957 *
R 1659

Telephone 18960
(5 Lines)

Chemistry Department,
THE UNIVERSITY,
HULL
England.

September 29, 1957.

Dear Professor Natta ,

Thank you very much for your letter of September 11, 1957. I am very sorry that I could not write to you earlier as I had been away from here on a brief vacation to Scotland. I ask you to please forgive me for this.

I am really very much indebted to you for agreeing about my working in your laboratories. It does not make much differnece to me if you are not carrying any work at this time on Metanol synthesis. I am really interested in fundamental researches in the field of oxo- synthesis and acetylene polymerisation. In my researches on hydogenation of acetylene I, too, get a considerable polymisation while using catalysts of group VIII transition elements. I will be very much obliged to you if you could send me some reprints and literature about the work being done presently in the laboratories under your care. This will give some insight of the work and I can familarise myself with the things to come.

I thank you once again for your kind interest in my career and welfare. I am sure that with your encouragement I will be able to do something worthwhile ~~while~~ while working as your assistant.

I will be further obliged if you could let me have a list of the books etc. which I should read before coming over to Milano and familarise myself more about the work.

With deepest regards and best wishes,

Yours sincerely,

R.S. Mann

(R.S. MANN)

Isvoli
rispondere
AV

September 11, 1957

Mr. M.S. MANN
Chemistry Department
The University
HULL - England

Ref. 1480

Dear Mr. Mann,

I received your letter of August 26, about your wish of working in our Institute for a period of time from May 1958, and particularly in the field of catalysis.

At present in my Institute a great number of research chemists are working, but I hope that during next May our new laboratory, will be ready and therefore I believe to be possible for you to work with us.

I wish to inform you, however, that at present we are studying principally different fields from the methanol synthesis.

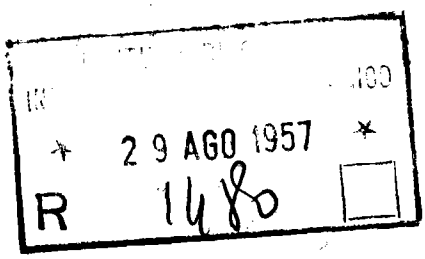
I should like to know if you may be interested in developing fundamental researches on oxosynthesis, on carbonyl--complexes and on acetylene polymerisation. However, you have time to choose the more suitable subject.

Before next May I will confirm you in which field you may develop some researches here.

With best regards,

Sincerely yours,

G. Natta



Chemistry Department,
The University,
HULL, England.
August 26, 1957.

Dear Dr. Natta ,

I hope you will excuse me for taking the liberty of writing to you without any previous formal introduction. In the past during the course of research work, I had come across the most voluminous and thrilling work done by you. Your work has been most momentous and made me to admire you more and more. I have a very strong desire to work under you for some time. I am confident that you will give me an opportunity to work under you and help me in making an advance in scientific career.

I myself have a varied career and have moved to many lands in quest of knowledge, and finally now I look towards you to give those final touches to the crude painting that makes it worthwhile and a treasure proud to possess.

I was a native of India - by virtue of my birth. I took the Masters of Science (M.Sc.) degree in Physical Chemistry from Allahabad University in 1944 with high honours. I then joined the laboratories of Scientific and Industrial Research and worked for two years as a Research Chemist with late Dr. Sir S.S. Bhatbagar, F.R.S.

In 1946 I was sent by the Indian Government for special study to U.S.A. I took a Masters of Chemical Engineering (M.Ch.E.) degree in 1948 from Brooklyn Polytechnic Institute, New York, U.S.A. while working with Dr. D.F.Othmer and late Dr. J.J. Mattiello. In addition to this I had the opportunity of working at the Tennesse Valley Authority Fertiliser Palnt and worked in the Ammonia Synthesis Plant.

In 1948 I returned to India and served the Government of India for a period of five years as Asst. Director of Industries where I designed the plants for the manufacture of caustic soda, chlorine, turpentine and rosin.

In the end of 1953 I returned to U.S.A. and for 8 months was at the University of Texas working as a research scientist for the National Research Council of U.S.A. on the critical constants of the organic substances.

In the summer of 1954 I migrated to Canada and joined the University of British Coulbia as a lecturer in Chemical Engineering, where I taught till 1956. In addition to the teaching I was interested in research and carried out some interesting P-V-T work and vapour liquid equilibrium with alcohols and hydrocarbons.

For four months in the summer of 1956 I was working with the National Research Council of Canada in the Division of Applied Chemistry - High Pressure Section- and was engaged on the determination of thermodynamic properties of heavy water and steam over the critical region.

In October 1956 I moved to this University on a Research Fellowship programme. I will be getting the Ph.D. degree towards the end of April 1958. Here I have been working on the hydrogenation of acetylene over various supported and unsupported metal catalysts of group VIII (transition elements) which is more of a fundamental nature.

Now I want to supplement the above research experience with some research in the field of ammonia and methanol decomposition, ~~formation~~ etc. working with you. In this field you are undoubtedly one of the top most authority in the world today. I will be much greatful to you for ever in my life if you could give me an opportunity to work under your guidance and patronage. I will be free to work under your guidance from the middle of May 1958. Though there is a long time between now and May 58, and my request may appear to be a little premature, but the fact is that I will have to settle so many preliminaries about Visa etc. and have to fix up other programmes that I am writing to you at this moment.

Synthesis

I hope you will give me an opportunity to work under your guidance and patronage for some time, and inspire myself with your great work not through books but through actual personal contact, and working under your supervision. I shall never forget your kindness of affording me an opportunity of working in your laboratory under your benign guidance.

With best respects,

Yours sincerely,

R.S. Mann

(R.S. MANN)

Publications :

1. The critical constants of N- Butanol
   J.Chem. Phys. 23, 1370, 1955
2. Thermodynamic properties of N- Butanol:
   Paper presented at the Annual meeting of the Division of Chemical Engineering of the Chemical Institute of Canada, held at Sarnia on March 5-8, 56.
3. Vapour liquid equilibrium in binary solutions of n- butanol with hydrocarbons:
   Paper presented at the Annual meeting of the chemical Institute of Canada, held at Montreal on May 28-30, 56
4. Thermodynamic properties of alcohols Part I
   Being published by the Journal of Chemical Engineering Canada (CanCaJ. Chem. Engr.) in the October 57 issue.
5. Thermodynamic properties of alcohols Part II
   To be published in the October 57 issue of Can. J. of Chem. Engineering.
6. Vapour liquid equilibrium in n- butanol with benzene and toluene systems:
   To be published by the Can. J. Chem. Engineering in an early 1958 issue.
7. Hydrogenation of acetylene PartI
   Nickel pumice as catalyst;
   To be published in the Transactions of the Faraday Society
8. Hydrogenation of acetylene Part II
   Nickel kieselguhr and nickel powder as catalysts.
   To be published in the Transactions of the Faraday Society.

Membership in societies :

1. Associate Member American Institute of Chemical Engineers
2. Associate Member Institution of Engineers, India.
3. Associate Fellow Institute of PetroleumLondon.
4. Active Member American Oil Chemists Society.
5. Active Member American Chemical Society.

December 18, 1957

Dr. A. E. LAURENCE, Manager
European Office - Central Research Dep
Minnesota Mining and Manufacturing Co.
3M House - Wigmore Street
L O N D O N W.1. - England

Rif. 2115/rl

Dear Dr. Laurence,

Many thanks for your kind; letter of December 13, and for your wishes that I reciprocate .

I was sorry not to be able to meet you for the known reasons, and I hope to have soon another occasion to see you.

With kindest regards and wishes, I am,

Sincerely yours,

G. Natta

MINNESOTA MINING AND MANUFACTURING COMPANY

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CENTRAL RESEARCH DEPARTMENT

2301 HUDSON ROAD

SAINT PAUL 6, MINNESOTA

PLEASE REPLY TO -
3M House, Wigmore Street, London, W.1.

December 13, 1957

L.O./2E-52

Prof. G. Natta,
Politecnico Milano,
Instituto di Chimica Industriale Del Politecnico,
Piazza Leonardo da Vinci, 32,
Milano,
Italy.

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
13 DIC. 1957
2115

Dear Prof. Natta,

I managed to get through Milano on my twice-postponed trip and found your extremely kind letter dated December 3, Ref. ~~2021~~/rl. I 2042 trust, however, that you duly received my telegram telling you that the London fog completely overthrew all plans I had made so that my stay in Milano during the week I had planned did not materialize.

I tried to telephone you immediately when I obtained your letter but as I did not get through immediately I decided rather to write to you and to thank you for your very kind invitation to your home, which I could not have accepted for the above reasons. May I suggest that I could possibly take advantage of your kindness the next time I come to Milano, perhaps in January or February?

Christmas and December weather are two things which make travelling at this time of year almost useless for the kind of work I am trying to accomplish, but I ought to be in Milano again before returning to the U.S. at the end of February and would look forward to talking to you before then. I shall write to you when I am coming and wanted to thank you once again for your very kind invitation.

Wishing you and yours a most happy Christmas Season, I am, dear Prof. Natta,

Yours sincerely,

Dr. A.E. Laurence
Manager, European Office
Central Research Department

AEL/MAM

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December 3, 1957

House Tel. 486.308

Rif. No. 2092/rl

Dr. A. E. LAURENCE
c/o Palace Hotel
Milano - Piazza della Repubblica

Dear Dr. Laurence,

I received just now your kind letter of November 29, in which you let me know that you will arrive to Milan tomorraw, December 4.

Unfortunately, I am very sorry not to have time, owing to several precedent engagements, to discuss with you as long as I too would wish. However, I shall be very pleased to meet you at my home (Via Mario Pagano 54) at about 2.30 p.m., tomorrow December 4, to take a coffee.

Awaiting the pleasure to meet you, I remain,

Sincerely yours,

Giulio Natta

MINNESOTA MINING & MANUFACTURING COMPANY

GENERAL OFFICES • 900 FAUQUIER AVENUE • SAINT PAUL 6, MINNESOTA

CENTRAL RESEARCH DEPARTMENT

2301 HUDSON ROAD

SAINT PAUL 6, MINNESOTA

PLEASE REPLY TO -
3M House, Wigmore Street, London, W.1.

2042

November 29, 1957

L.O./2E-52

Prof. G. Natta,
Politecnico di Milano,
Instituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

Dear Prof. Natta,

I recall with pleasure our last conversation in Milano in March of this year when I was your guest at the Palace Hotel where you kindly met me for a short while but declined my invitation for dinner as you were too busy that day.

Could you perhaps agree to accept my invitation this time and have dinner with me on Wednesday of next week, December 4? I shall again be in Milano, staying at the Palace Hotel. I was, unfortunately, unable to listen to your lecture in Paris as I was in the U.S. for three months this summer, but have obtained the text and am most happy with the extremely successful new developments of your work on isotactic polymers which we are following in detail in St. Paul. We are, of course, bound to profit from these developments giving us cheaper and superior raw materials for a great number of our products and we still hope that one of your next visits to our country will permit you to include our headquarters in St. Paul, Minnesota, in your itinerary: a lecture to our Seminary there would be very much appreciated if ever you could arrange it, and I was once again asked to invite you most cordially to talk to us, perhaps in 1958 if a U.S. trip is planned by you then.

I hope that we can talk about this when I see you next week and I would very much like to have a word from you, perhaps to my hotel in Milano, that we can get together then,

With kind personal regards,

Yours sincerely,

A E Laurence

Dr. A.E. Laurence
Manager, European Office,
Central Research Dept.

AEL/MAM

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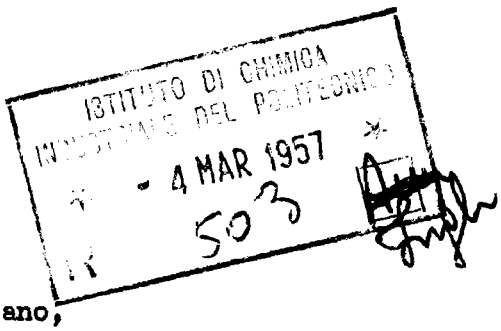

L.O./2E-41

February 26, 1957

Prof. G. Natta,
Politecnico di Milano,
Milan,
Italy.

Dear Professor Natta,

I was sorry I could not say hullo to you the other day when you were lecturing in London to our Plastics and Polymer Group at the British Society of Chemical Industry. The applause should have shown you how much we all appreciated your talk and your handling of the question and answer period, but there was such a fantastic gathering of polymer chemists I did not manage to come forward to say hullo to you and to thank you for your performance for us.

One of the reasons why I did not try to talk to you was that I hope to see you next week in Milan where I expect to be on Monday and Tuesday. I shall give you a telephone call to make an appointment with you at a suitable time, and look forward very much to seeing you again.

With kind personal regards,

Yours sincerely,

A.E. Laurence

In the absence of Dr. A.E. Laurence
Foreign Technical Representative
Central Research

AEL/MAM

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Pergamon Institute

Am. Brevetti

7 Ottobre 1957

Spett/ BREVETTI & DOCUMENTAZ.TECNI
Soc. "Montecatini"

Sede

n.1488

Con riferimento alla Vs. lettera del 28.8., Vi informo che mi interesserebbe avere il lavoro C.S.4 :
"Copolymerization of Diethylenic Hydrocarbons (Diolefins) with simple Vinyl Ethers"
S.P.Mitsengendler, V.N.Krasulina and L.B. Trukhmanova. Izvestiia, Academy of Sciences of the U.S.S.R., 1956, n° 9.

Ringraziando, invio i migliori saluti.

(Prof.G.Natta)

MONTECATINI

SOC. GEN. PER L'INDUSTRIA MINERARIA E CHIMICA
ANONIMA - CAPITALE VERSATO L. 84.000.000.000
MILANO

BREVETTI E DOCUMENTAZIONE TECNICA

/m

MILANO (134)
Via M. Turati, 18

28/8/57

ISTITUTO DI CHIMICA INDUSTRIALE
- 7 SET 1957
R 1488

Egr.Sig.Prof.
Giulio NATTA
Direttore dell'Istituto di Chimica Ind.le
Politecnico di
M I L A N O
P.za L. da Vinci, 32

Le trasmettiamo copia di lettera e relativo allegato pervenutoci dal "Pergamon Institute".

Distinti ossequi.

"M O N T E C A T I N I"

Agnati

Chiedere lavoro ragioni!

Alleg./

Telefoni 6333 - 6334 - Telefoni interurbani chiedere GABBRO-MILANO
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MOD. BREV 39 (Ac) - 2500 - 3.55

Mai 3, 1957

Sir Robert ROBINSON
170 Piccadilly
L O N D O N - W.1 - England

Luglio

ef.824/rl

Dear Sir Robinson,

I thank you very much for your kind letter of April 8 and for the enclosed reprints; please excuse my delay but I have been unwell last weeks.

I think there are many common points and substantially only one point of disagrement between the interpretation of the ethylene polymerization you have given in your lecture on February 1956, and the papers on the ethylene polymerisation to low polymers and of the alpha-olefine polymerisation we have published in the 1954, 1956 and 1957.

In our first paper ("Atti Simposio Internazionale di Chimica Macromolecolare, Milano-Torino, Sept. 1954 - suppl. "La Ricerca Scientifica", pag. 120, 1955) we have pointed our, on the basis of kinetic investigations, that the composition of the products obtained by polymerization of ethylene by $Al(C_2H_5)_3$ agrees very well with what may be calculated by supposing that the specific rate constants were the same for the addition of each successive C_2H_4 molecule to each Al-C-bond present indipendently on the length of the normal alkyl radical bound to the Al atom.

In the same paper we have pointed out that in order to give an account of the molecular weight distribution of alpha-olefines obtained in the same reaction at different temperatures, we must hypothesise that both the two chain stop reactions (1) and (2) proposed by Ziegler must contemporaneously occurr :

(1) $al-CH_2-CH_2-R \longrightarrow alH + CH_2=CHR$

(2) $al-CH_2-CH_2-R + CH_2=CH_2 \longrightarrow al-CH_2-CH_3 + CH_2=CHR$

./..

Mai 3, 1957

2° - letter to Sir. Robinson

We have therefore concluded that the addition of ethylene to $Al(C_2H_5)_3$ is a "stepwise addition" using a terminology broadly diffused to indicate the polymerization processes in which the growth of the polymer chains and the molecular weigths distribution follow the rules that may be foreseen for a series of consecutive competitive reactions, like to the addition of CH_2-CH_2 molecules to ROH (corresponding to a CH_2-CH_2 polymerization) $\diagdown O \diagup$ (Journ. Amer. Chem. Soc. 74, 3152, 1952).

In our second paper ("La Chim. e Ind.", 38, 124, 1956) we have pointed out that the nature of the terminal groups of isotactic and atactic polypropylene suggests that the polymer chain grows by insertion of the propylene molecule between the metal atom and the alkyl group in the same way as in the case of the C_2H_4 polymerization by $Al(C_2H_5)_3$.

Owing to the higher electronegativity of the carbon atom in respect to the aluminum atom or to the transition metal atom, we think that among the possible mesomeric formulas (A to C) for the Me-C bond, the formula (B) must give a higher contribution to the bond nature than (C)

$$\left\{ Me-C \longleftrightarrow Me^{+}\ C^{-} \longleftrightarrow Me^{-}\ C^{+} \right\}$$

A B C

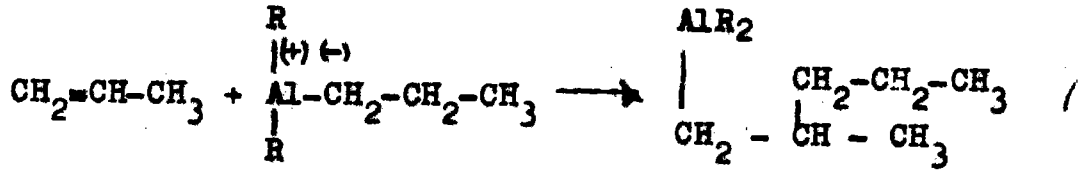
In order to explain the presence of CH_2-C- terminal groups, CH_3
we admit, according to Ziegler 1 and 2 (La Chim. (Brennst. Chem. 33, 193, 1952) that the double bond of the propylene molecule is polarized, in the transition state as follows :

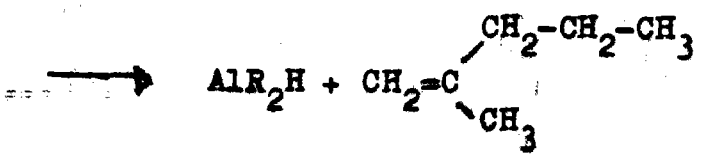
$$\overset{(-)}{CH_2} - \overset{(+)}{CHR}$$

?/..

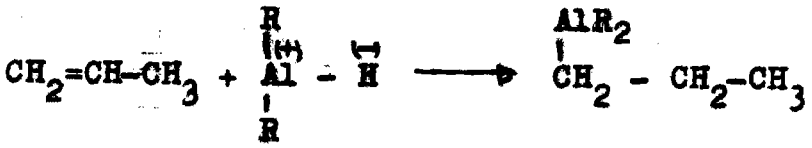
Mai 3, 1957

3° - letter to Sir Robinson





(1)



(2)

The same type of double bond polarisation explains also the presence of n-propyl terminal groups, which we have detected by I.R. Spectra in the partions having low molecular weight.

We have summarised the above considerations in the schemas at pag. 9 and 10 of the paper we are discussing, and we call this type of polymerization "anionic polymerization" to indicate that the monomer molecule is oriented by the Al-C≤ bond as by a ions pair Me^+ C≤ .

Our hypothesis have been confirmed by the data we have published (La Chim. e Ind., 39, 19, 1957) on the mechanism of the ethylene polymerization by metallorganic compounds. In this paper we have demonstrated that polymerising ethylene by soluble catalyst prepared from Ti compounds and AlR_3, organic groups initially bound to Al but not organic groups initially bound to titanium are present as terminal groups in the polymer chain.

Finally, the kinetic investigation on the propylene polymerization by $Al(C_2H_5)_3$ and $TiCl_3$ (Angew. Chem., 69, 213, 1957) has

./..

shown that the process is truly catalytic, and shows the typical characteristics of the heterogeneous catalyses. The reaction rate using stabilized catalysts, is proportional both to $TiCl_3$ and to the monomer concentration.

The kinetics of the termination process, in the propylene polymerization, has been throughly studied by us, and the results will be published probably in the next months. The most important termination reaction is the chain transfer with the monomer, but other termination reactions can be involved which can be satisfactorily explained with an anionic type of reaction.

Concludding our remarks, we agree that the polymerisations of ethylene by AlR_3 and by Ti-Al catalysts have many similar features, but we think (and this is the point in which we do not agree with you) that, like in the case of C_2H_4 addition by $Al(C_2H_5)_3$, the polymerisation of the following monomeric units does not run through addition of C_2H_4 molecules at the end of the chain far from the metal-alkyl bond of the catalyst. It would be difficult in this second case to explain not only the high regularity of the chain, but also the stereospecificity of the polymerization process. As it is well known, the polymerization initiated by free radical produces generally branched polymers, our alpha-olefine polymers are substantially linear polymers.

The nature of terminal bonds, we have observed, cannot agree with a radicalic or cationic mechanism but very well with an anionic mechanism.

You wrote to me that probably neither a free radical mechanism nor an ionic mechanism, taken to the limit, are completely correct. I agree with you if you consider as an ionic reaction taken to the limit, a reaction connected with the presence of a large amount of detectable true free ions.

I think that the meaning of anionic polymerization must not be considered to be necessarily connected with the existence of large amount of completely free ions but generally with the existence of polarised bonds, in which the negative charge is desplaced towards the bonded carbon atom; so that in the transition state or in the

./..

reaction stage, the bond is opened heterolytically with a charge desplacement resembling an ionic dissociation.

The possibility of such a type of heterolytic fission of an Al-C bond is also shown bythe conductivity of hydrocarbon solutions of the aluminum alkyls.

The percentage of ionic character of Al-C- bon could be increased when the Al-Alkyl is bound to a complex containing other highly electropositive metals. I feel therefore it is more correct to consider our polymerization process as an anionic than as a radical one. I think that most polymerization processes catalyzed by Friedel and Kraft catalysts, generally considered as cationic ones, present not more ionic character than ours.

The above considerations do not exclude the possibility of a mechanism involving a very rapid stepwise addition taking place through a cyclic transition state ("Gazzetta Chimica" in print), in which polarized metal-carbon bonds are included (E.W.Braude, Progress in Org. Chem., Butterworths Sc.Pubbl. London 1955, pag.185; see also H.S.Mosher et al., J.Amer.Chem.Soc. 72, 3994, 1950; 78, 4081, 1956; W.E.Loering et al., J.Amer.Chem.Soc.72, 631, 1950). Probably this is the most correct model we can assume at the present for the intimate mechanism of the polymerization processes we have discussed.

Looking forward to your kind reply, with kindest regards, I remain,

Very sincerely yours,

Giulio Natta

76 Polymer Suppl.

January 14, 1957

The Radiochemical Centre
Amersham, Buks., England

Enclosed here, please find the application to require 4 mC of $BaCO_3$ (C^{14}), for organic chemistry researches.

With best regards.

Sincerely yours,

(Prof. G. Natta)

Encl/

October 1st, 1957

Doctor Peter Lennox-Kerr, Editor
Skinner's Silk & Rayon Record
St.James House
44, Brazennose Street
MANCHESTER 2, England

Ref.n.1471

Dear Doctor Lennox-Kerr,

Please excuse my long delay in answering your kind letter of August 26, in which you talk about a letter you wrote to me before this date. I am sorry but I did not receive the first letter, as the last letter I received from you, before the August one, is dated 1956.

My Manchester Lecture has not yet been published and if you think it may be suitable to be published on your Journal, I could send to you the manuscript. On the same argument, a more detailed paper is in preparation and it will be published on a scientific Review on Physical-Chemistry.

Awaiting your kind reply, I send you my best regards.

(Prof.G.Natta)

N° 1471/

Mr. Peter Lennox-Kerr
Skinner's Silk & Rayon
St.James House
44, Brazennose Street
MANCHESTER,2

Vi prego di scusarmi se rispondo con ritardo alla vostra lettera del 26 agosto nella quale parlate di una lettera scritta precedentemente al 26 agosto che non mi risulta di avere ricevuto in quanto l'ultima lettera da voi inviatami risulta del 19/3/1956.

La mia Conferenza di Manchester non è stata ancora pubblicata e se voi pensate che possa essere adatta alla pubblicazione sulla vostra Rivista , potrò inviarVi l'unica copia che posseggo.

Un lavoro molto più ampio sull'argomento è in preparazione e verrà inviato per la pubblicazione ad una Rivista scientifica di chimico fisica.

In attesa di vostre notizie, invio i migliori saluti

(Prof.G.Natta)

SKINNER'S
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B. G. MERIVALE-AUSTIN.
F. G. BERNARD.

TELEGRAMS:
"DESOLLAR, MANCHESTER."
TELEPHONE: BLACKFRIARS 8737/8.

ST. JAMES HOUSE,
44, BRAZENNOSE STREET,
MANCHESTER, 2.
AND AT LONDON: 330, GRESHAM HOUSE,
OLD BROAD STREET, E.C.2.
ALSO AT BRADFORD, MONTREAL, NEW YORK, &C.

ISTITUTO DI CHIMICA
IN... ...NICO
28 AGO 1957
R 1471

26th August, 1957.

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piassa Leonardo da Vinci 32,
Milano, Italy.

Dear Professor Natta,

It is some time since I wrote you and I have not yet heard from you or received a copy of the transcript of your address given at the University of Manchester when you were in Britain. If you could possibly let me have a copy of this at your earliest convenience, I should be most deeply obliged.

Yours sincerely,

Peter Lennox-Kerr

Peter Lennox-Kerr,
Editor.

Mandiamo una copia?

Ci sono altre lettere

non ho trovato altro --

18.10.1957

The
BRITISCH RUBBER PRODUCER'S
RESEARCH ASSOCIATION
WELWYN GARDEN CITY (England)

N° 1757/ec

Sirs,

I was informed by Mr.Buckler - POLYBAR of Sarnia - who has been here, you are able to carry out abrasion on high speed test to evaluate the performance of cured elastomers for use as tires.

I should be obliged if you will indicate the shape of the specimens in order to send you cured samples for the test.

Yours sincerely

(Prof. G.Natta)

1757

17/10/57

N°

Mr. MULTERS o Dr. SCHALLA MACH
BRITISH RUBBER PRODUCES RESEARCH ASSOCI
WELWYN GARDEN CITY (England)

Da una recente visita di Mr. Buckler della Polysar di Sarnia, ho saputo che voi siete in grado di effettuare delle "high sped test" di abrasione con permettono di ~~vedere~~ prevedere il comportamento ~~delle~~ di gomme vulcanizzate ~~per la fabbricazione~~ nel loro impiego finale per la produzione di pneumatici.

Vi pregherei di indicarmi la forma che devono avere i campioni affinchè noi possiamo inviarveli della forma adatta per le vostre prove, come già accordato.

Gradite distinti saluti.

(Prof. G. Natta)

Mr Mullins
or
"DR SCHALLAMACH (prove abrasion)

British Rubber Producers Research Association

WELWYN GARDEN CITY

ENGLAND

Director -
Dr. BATEMAN

indipendent de altre compagnie -
[illegible] [illegible] [illegible] [illegible] [illegible]
non legato a industrie particolare

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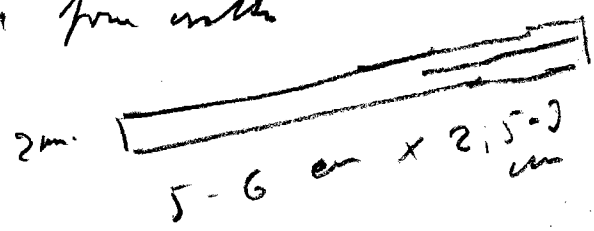
Swivel [illegible] [illegible] [illegible] [illegible]



1962 [illegible]
[illegible] Rubber

PLEASE NOTE

Our telephone number has been changed to:-

WELWYN GARDEN 5474

JBBER PRODUCERS' RESEARCH ASSOCIATION

(INCORPORATED IN ENGLAND.)

REGISTERED OFFICE: 19 FENCHURCH STREET, LONDON, E.C.3.

SECRETARY: G. E. COOMBS.

48, 50, & 52, TEWIN ROAD,
WELWYN GARDEN CITY,
HERTS.

DIRECTOR OF RESEARCH: L. C. BATEMAN, PH.D.

ALL LETTERS SHOULD BE ADDRESSED TO THE ASSOCIATION AND NOT TO INDIVIDUALS.

TELEPHONE: WELWYN GARDEN 933, 3848 & 445
TELEGRAMS: RUBRESERCH, WELWYN GARDEN.

OUR REF.: MB/LD

YOUR REF.:

3rd April 1957

Professor Guilio Natta,
Instituto di Chemica Industriale del Politecnico
di Milano,
ITALY.

ISTITUTO DI CHIMICA INDUSTRIALE
10 APR. 1957
R 813

Dear Sir,

I must first apologise for writing in English, as we have nobody here that knows Italian. However, I trust that you or one of your staff understands English.

In your recent lecture at the International Synthetic Rubber Symposium you referred to copolymers based on Ethylene-alphaolefine polymers, with a small amount of diolefine. These polymers were claimed to have good resilience.

We are engaged on a fundamental study of ozone cracking. Your materials are of considerable academic interest to us because they are of low chemical unsaturation and low resilience. We would be very grateful if you could supply a small amount of one or more of these polymers for our work.

Yours faithfully,

M. Braden

11 aprile 1957

Mr. M. Braden
The British Rubber Producers'
Research Association
48,50 & 52, Tewin Road
Welwyn Garden City - Herts

N° 813/

Dear Mr. Braden,

with reference to your letter of April 3, I am sorry not to be able to send to you the requested samples, as Montecatini Co., that is carrying ont the industrial developments of our researches, like better not to distribute samples before the commercial production. Besides, I observed that most important industrial Companies follow the same policy as the Montecatini Company.

I assure you, however, that I shall send you the requested samples, as soon as their distribution will be allowed.

With best regards.

Yours truly,

(Prof. G. Natta)

THE BRITISH RUBBER PRODUCERS' RESEARCH ASSOCIATION

(INCORPORATED IN ENGLAND.)
REGISTERED OFFICE: 19 FENCHURCH STREET, LONDON, E.C.3.
SECRETARY: G. E. COOMBS.

DIRECTOR OF RESEARCH: L. BATEMAN, D.Sc., PH.D.

48 - 56 TEWIN ROAD,
WELWYN GARDEN CITY,
HERTS.

TELEPHONE: WELWYN GARDEN 5474 (5 LINES)
TELEGRAMS: RUBRESERCH, WELWYN GARDEN.

ALL LETTERS SHOULD BE ADDRESSED TO THE ASSOCIATION AND NOT TO INDIVIDUALS.

OUR REF.: GPMcS/DMR.

YOUR REF.:



24th October, 1957.

Prof. G. Natta,
Istituto di Chimica industriale del Politecnico,
Milano,
ITALY.

Dear Sir,

If they are available, I should be very grateful if you would send me reprints of your three papers under the general title "Polimerizzazione stereospecifica delle α-olefine", (Nota I, II e III) published in Gazz. Chim. Ital. (Maggio 1957) p.528-585.

Yours faithfully,

GPMcSweeney

Dr. G.P. McSweeney.

21-N-15-16

1958

With kindest regards.

February 25th 1958

Professor G.GEE
The University of Manchester
MANCHESTER 13 - England

Ref.No.125/g1

Dear Professor Gee,

many thanks for your kind letter of January 20, and for you kind permission to delay a few days after March 1, for sending to you my manuscripts.

I shall let you have them in the second fortnight of March. Please excuse me for this delay, due to the enormous work I had during these past months.

With kindest regards.

Yours sincerely,

G.Natta

INTERNATIONAL HIGH-POLYMER CONFERENCE

NOTTINGHAM 1958 JULY 21-24

SECRETARIAT: CHARLES HOUSE 5-11 REGENT STREET LONDON S.W.1 TELEPHONE: WHITEHALL 9788

Under the auspices of the Macromolecular Commission
of the International Union of Pure and Applied Chemistry

20th January, 1958

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci, 32,
Milano,
ITALY.

125

Dear Professor Natta,

I was very pleased to receive your letter of January 14th confirming your intention to be at the Nottingham Conference. Your request to delay the despatch of your Conference papers puts me in a considerable difficulty. I can certainly promise you a few days after March 1st, but I am afraid that any appreciable delay would make it impossible for the printers to get your papers out in preprint form before the meeting. The dates we have fixed have been dictated by the requirements of Interscience Publishers. We had naturally allowed ourselves a few days to read the various papers before submitting them to the publishers and the most I can offer you is that I will deal with yours immediately on arrival and get it straight off to the publisher. I hope, however, you will do your best to co-operate with us by sending the papers as early as possible.

Kind regards,

Yours sincerely,

(Ind.) Shell Petroleum Co.
CIA / Thermoplastics
St. Swithin's House
St. Swithin's Lane
London, EC4

17 LUG 1958

Inghilterra
(Gabbiani)

14.7.58

Egregio Professore,

Le telefonai sabato prima della mia partenza, ma non riuscii a trovarla. Comunque mi sono interessato subito qui per il prof. Mazzanti. Ho telefonato al segretario del Comitato Organizzatore della conferenza, Mr. Silversides, e sia lui che il suo assistente, Mr. Broome, confermarono che il posto per il prof. Mazzanti era stato riservato e che avevano scritto in merito.

Quindi sembra tutto sia a posto. Se le occorresse altro prima del

già avvisato
Ph

Suo arrivo, disponga pure di me.

Con affetto

Paolo Fabbri

2 Brook Rd.
Lymm, Cheshire

21.1.57

V/9

Egregio Professore,

ho ricevuto la Sua lettera del 17 scorso ed ho telefonato stamane al Prof. Lee dell'Università di Manchester, il quale mi disse di averle scritto lo stesso 17 scorso, per cui Lei avrà già ricevuto la mia lettera.

Mi disse che, essendo la Sua conferenza fissata per le 4 del pomeriggio del 6 febbraio sarebbe preferibile se Lei potesse partire il pomeriggio del - da Londra, in modo da poter visitare i laboratori dell'Università il mattino del 6, e in tal caso di saperglielo dire se deve riservarle posto al Midland Hotel per la sera del 5.

Il miglior mezzo di trasporto tra Londra e Manchester è il treno espresso "The Mancunian" che parte

da Londra, Euston Station, alle 18 e arriva alle 21.30 a Manchester.

I servizi aerei vengono spesso annullati nella brutta stagione e quasi tutti fanno una fermata a Birmingham.

Dato che c'è sempre molta richiesta, le consiglierei di farsi riservare al più presto un posto sulla vettura ristorante di 1ª classe o sul Pullman Car.

Con molti cordiali saluti

Gian Paolo Gabbiani

16 GEN. 1957
102 bis

2 Brook Rd.
Lymm, Cheshire

12. 1. 57

Egregio Professore,

non so se lei ancora si ricorderà di me, tra i laureati del 1950 col Prof. Pastonesi.

Dal 1951 lavoro qui in Inghilterra e dall'anno scorso sono passato alla Petrochemicals, che lei conosce molto bene. Mi ricordo anzi che in una breve intervista prima della mia partenza ebbi da lei l'indirizzo di questa ditta.

Qui lavoro in Partington Research Laboratories, recentemente assorbiti dalla Shell Chemical Co., nell'impianto pilota per la produzio-

ne di Polietilene secondo il brevetto Ziegler.

Ho saputo che Lei terrà una conferenza a Manchester University il 6 febbraio prossimo, mi attenderò senz'altro.

Se posso essere utile in qualche cosa, dato che mi trovo sul posto, disponga pure di me liberamente

Cordiali saluti

Gian Paolo Fabbriani

17 Gennaio 1957

Egr. Ing.Gian Paolo GARRIANI
2, Brook Rd.
LYME, Cheshire (England)

Egregio Ingegnere,

La ringrazio della Sua gentile lettera del 12 corrente mese.

Ho scritto giorni fa al Prof. Gee dell'Università di Manchester, dal quale non ho ancora avuto risposta, di fissarmi l'albergo a Manchester e di suggerirmi il più oppertuno programma di viaggio da Londra a Manchester, tenuto conto che dovrò fare una conferenza a Londra il 4 febbraio e che prevedo di partire da Londra il 5 pomeriggio, oppure il 6 mattina.

Le sarei molto grato se Lei potesse telefonare al Prof.Gee ed eventualmente sapermi dire qualche cosa in proposito.

Molti cordiali saluti e ringraziamenti.

(Prof.G.Natta)

THE UNIVERSITY OF MANCHESTER

MANCHESTER. 13.

FROM
PROFESSOR G. GEE, F.R.S.
SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.

TELEPHONE ARDWICK 3333

8th August, 1958

Professor G. Natta,
Istituto di Chimica Industriale del
Politecnico,
Piazza Leonardo da Vinci, 32
Milano,
Italy.

Dear Natta ,

I acknowledge with thanks your letter of the 30th July with a number of contributions to the discussion. I am sure we shall be able to include all these.

Yours sincerely,

G. Gee

FROM
PROFESSOR G. GEE, F.R.S.
SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.

TELEPHONE ARDWICK 3333

THE UNIVERSITY OF MANCHESTER
MANCHESTER, 13.

23rd June, 1958

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
* 26 GIU 1958 *
R

Dear Natta

It was good of you to write about my O.B.E. I'm still feeling a little astonished about it, but finding great pleasure in the reactions of my family and friends.

Looking forward to seeing you very soon

Yours sincerely

Geoffrey Gee

DOTT. ING ANTONIO GIACHIN

Representative for the United Kingdom of
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CABLE ADDRESS: GABBROENG. LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 17 Giugno 1958

ISTITUTO DI CHIMICA
INDUSTRIALE
19 GIU. 1958
R

Gentilissimo Professore,

leggo sul " Chemical Age " del 14 Giugno u.s. che al Prof. Geoffrey Gee è stato conferito da S.M. la Regina d'Inghilterra un C.B.E. (Commander of the British Empire) e penso che Ella vorrà forse inviargli una parola di rallegramento.

Con ogni migliore saluto.

A. Giachin

Preg.mo Signor
Prof. G. Natta
Istituto di Chimica Ind.le
del Politecnico di
Milano
P.zza Leonardo da Vinci, 32

June 19, 1958

Prof. Geoffrey GEE
University of Manchester
MANCHESTER - England

/rl

Dear Professor Gee,

I have just been informed that you have been nominated Commander of the British Empire, and I wish to congratulate very much with you for this great honour.

Please accept my best wishes and kindest personal regards.

Very sincerely yours,

Giulio Natta

July 16, 1958

Prof.G.E.H.Rawn
Department of Inorganic and Physical
The University of Liverpool
Vine Street
Liverpool - England

Our Ref.No.500/rl

Dear Professor Rawn,

please excuse my long delay in answering to your kind letter of March 31, but it arrived to Milan during my staying in the United States.

Some days ago I received the preprints of the papers to be presented at the Nottingham Conference. I read with great interest your papers and I wish to thank you for the references to our works.

I do hope to have the pleasure to meet you soon in Nottingham, and in the meantime, I send you my kindest personal regards.

Sincerely yours,

G.Natta

THE UNIVERSITY OF LIVERPOOL

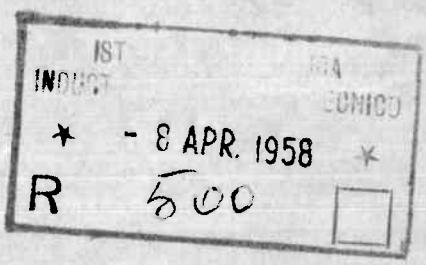
From:
PROFESSOR C. E. H. BAWN, C.B.E., F.R.S.
TELEPHONE: ROYAL 6022
Extension 215



DEPARTMENT OF
INORGANIC AND PHYSICAL CHEMISTRY
VINE STREET, LIVERPOOL, 7

March 31, 1958.

Your ref.: n.476/el



Professor G. Natta,
Istituto di Chimica Industriale del Politecnico.

Dear Professor Natta,

I was distressed to receive your letter this morning about the article in "Chemical Age".

I had not seen this article and I was in no way responsible for writing it. In fact, it is a very brief account of my opening lecture to the Bradford Symposium and it deals only with a part of the content of my address in which I reviewed in the broadest manner recent developments in polymer chemistry.

Due acknowledgement was paid by me in my lecture to your outstanding work in the discovery and development of stereospecific polymerization, and the omission of any reference to your work in the "Chemical Age" article was entirely due to the reporter for that journal.

I did not use a full typescript for my lecture which was based on two papers I had recently written. I enclose copies of these papers.

I was asked to write the second paper by the Chemical Society and this will soon be published in the Proceedings of the Chemical Society. You will see that your work has been appropriately acknowledged.

Yours sincerely,

C. H. Bawn

Enclos:

17 Marzo 1958

Egr. Ing. G. Devarda - Direttore
Ufficio Brevetti
Società Montecatini

Sede

p.c. Ing. B. Orsoni - Sede

Rif. N. 421/rl

Egregio Ingegnere,

Le trasmetto copia di un articolo relativo ad una conferenza fatta dal Prof. Bawn al Bradford Symposium, nella quale non vi è nessun accenno al lavoro fatto in Italia sulle polimerizzazioni stereospecifiche.

Ho preparato una lettera per il Prof. Bawn, di cui Le invio copia. Nel caso che Lei credesse di apportare delle modifiche, La pregherei di farlo e di inviarmi la traduzione in inglese della lettera.

Cordiali saluti.

G. Natta

N. 2 all/

B O Z Z A

Milano, 17/3/1958

Prof. C.E. BAWN
Grant-Brunner Professor of
Chemistry - University
LIVERPOOL - England

Egregio Professore,

ho ricevuto da un mio collega inglese copia di quanto è stato pubblicato su "Chemical Age" dell'8 marzo u.s.,relativo alla Sua conferenza "Progress in synthesis of hydrocarbon polymers", tenuto al Simposio presso il Bradford Institute of Technology.

Molte persone sono rimaste sorprese per il fatto che da questo articolo appare che Lei ha completamente ignorato quanto è stato fatto nella mia Scuola, nel campo della polimerizzazione stereospecifica ed in particolare per il fatto che Lei non ha citato che la scoperta dei polimeri isotattici e sindiotattici si deve alla mia Scuola. Anzi, Lei attribuisce la scoperta del meccanismo della polimerizzazione stereospecifica ad altri.

Probabilmente delle incomprensioni sono derivate dal fatto che la Società proprietaria di certi brevetti italiani ha deciso nell'estensione in certi paesi esteri di fonderli con dei successivi brevetti tedeschi. Nei paesi nei quali non è obbligatorio indicare il nome degli inventori, la pubblicazione dei brevetti è stata fatta senza citarli, ma indicando solo il nome dei proprietari. Nei brevetti fusi è però indicata la data della priorità originaria, dalla quale è possibile, esaminando i brevetti originali, risalire al nome degli inventori.

Unisco alla presente copia di alcune nostre pubblicazioni.

Distinti saluti.

(Prof.Giulio Natta)

POLITECNICO
MILANO

ISTITUTO DI CHIMICA INDUSTRIALE
DEL POLITECNICO
PIAZZA LEONARDO DA VINCI, 32 - MILANO

TELEF. 292.125 - 292.126
292.105 - 106 - 107

MILANO, 17 Marzo 1958

Rif.N.421/rl

Egr.Ing.G.Devarda - Direttore
Ufficio Brevetti
Società Montecatini

S e d e

p.c. Ing.B.Orsoni - Sede

Egregio Ingegnere,

Le trasmetto copia di un articolo relativo ad una conferenza fatta dal Prof.Bawn al Bradford Symposium, nella quale non vi è nessun accenno al lavoro fatto in Italia sulle polimerizzazioni stereospecifiche.

Ho preparato una lettera per il Prof.Bawn, di cui Le invio copia. Nel caso che Lei credesse di apportare delle modifiche, La pregherei di farlo e di inviarmi la traduzione in inglese della lettera.

Cordiali saluti.

G.Natta

N.2 all/

20.3.58

Milan, March 21, 1958.

BOZZA

Prof. C. E. H. Bawn,
Grant-Brunner Professor of
Chemistry - University,
L i v e r p o o l.

Dear Sir,

From an English colleague of mine I have received copy of what was published in "Chemical Age" issue of March 8, concerning your lecture "Progress in Synthesis of Hydrocarbon Polymers" held at the symposium at Bradford Institute of Technology.

Many people have been surprised to notice that from this article it appears that you completely ignored what was made by my School in the field of stereospecific polymerization and in particular that you did not even mention that the discovery of isotactic and syndyotactic polymers was due to my School, so much so that the very denominations "isotactic", "atactic", etc. were coined by us. On the contrary, you attributed the discovery of the mechanism of the stereospecific polymerization to others.

This may have derived from the fact that the Company which owns certain Italian patents decided, while extending them to certain foreign countries, to combine them with ~~the~~ subsequent German patents. In the countries where it is not compulsory to indicate the name of patent inventors, the patents were issued without mentioning them, but just indicating the name of their owners. In the combined patents, the date of original priority is however indicated, hence it is possible , by examining the original patents, to draw the name of ~~their~~ inventors.

I herewith enclose copy of some publications of ours.

Yours sincerely,

B O Z Z A

Milano, 17/3/1958



Prof. C.E. H. BAWN
Grant-Brunner Professor of
Chemistry - University
LIVERPOOL - England

Egregio Professore,

ho ricevuto da un mio collega inglese copia di quanto è stato pubblicato su "Chemical Age" dell'8 marzo u.s., relativo alla Sua conferenza "Progress in synthesis of hydrocarbon polymers", tenuto al Simposio presso il Bradford Institute of Technology.

Molte persone sono rimaste sorprese per il fatto che da questo articolo appare che Lei ha completamente ignorato quanto è stato fatto nella mia Scuola, nel campo della polimerizzazione stereospecifica ed in particolare per il fatto che Lei non ha citato che la scoperta dei polimeri isotattici e sindiotattici si deve alla mia Scuola. Anzi, Lei attribuisce la scoperta del meccanismo della polimerizzazione stereospecifica ad altri.

Probabilmente ~~delle incomprensioni sono~~ derivate dal fatto che la Società proprietaria di certi brevetti italiani ha deciso nell'estensione in certi paesi esteri di fonderli con dei successivi brevetti tedeschi. Nei paesi nei quali non è obbligatorio indicare il nome degli inventori, la pubblicazione dei brevetti è stata fatta senza citarli, ma indicando solo il nome dei proprietari. Nei brevetti fusi è però indicata la data della priorità originaria, dalla quale è possibile, esaminando i brevetti originali, risalire al nome degli inventori.

Unisco alla presente copia di alcune nostre pubblicazioni.

Distinti saluti.

(Prof. Giulio Natta)

27th March, 1958

Prof. C.E.H.BAWN
Grant-Brunner Professor of
Chemistry - University

LIVERP@@L (England)

Ref.n.476/el

Dear Prof. Bawn,

I have just received from a colleague in Great Britain copy of what was published in the issue of March 8th of "Chemical Age" on the lecture "Progress in synthesis of hydrocarbon polymers" which you held at the Bradford Symposium.

I have been very much surprised, and so were many of my acquaintances, by the fact that, as it appears from the article, you seem to have completely ignored the work which has been done in my Institute on stereospecific polymerization.

Particularly astounding is the fact that you appear not to have cited that the discovery of isotactic and syndiotactic polymers is due to my School.

For your information I am enclosing reprints of some of our papers on these subjects.

A large number of patent applications on the new processes were filed first in Italy in my name and in the names of my co-workers and the abroad (in some countries without the name of the inventors).

With best regards,

Yours sincerely,

(Prof.G.Natta)

National College of Rubber Technology

DIRECTOR
A. S. M. SYMONS
Ph.D., B.Sc., A.R.C.S., D.I.C., F.Inst.P.

HEAD OF THE NATIONAL COLLEGE
F. H. COTTON
Ph.D., M.Sc., F.R.I.C., F.I.R.I.

CLERK TO THE BOARD OF GOVERNORS
R. H. CURRELL
A.S.A.A.

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
* 22 OTT. 1958 *
R 4121

Northern Polytechnic
Holloway
London, N.7.

TELEPHONE: NORTH 4231

KLJ/EJW

20th October, 1958.

Professor G. Natta,
The Polytechnic,
Piazza Leonardo da Vinci,
MILAN. Italy.

Dear Sir,

We are organising an instructional tour for a party of 14 of our students, accompanied by two members of our staff, of Factories and Research Institutions in Italy, during the period 2nd - 9th April, 1959. We would like to know whether you would be prepared for such a party to visit your establishment, so that you could show them some of the aspects of your work. Should you be agreeable to this, we would arrange with you the exact date of our visit later.

Yours faithfully,

K.L. Johnson.

(K.L. JOHNSON, B.Sc., A.I.R.I.)
Lecturer in Physical Testing.

November 12, 1958

Mr. Albert S. Hester
Chemical & Engineering News
Bush House
Aldwych, London W.C.2

1189/mb

Dear Mr. Hester,

I doubt whether it will arrive in time to reach you before you have to depart for Italy. I do hope so, since I wish to inform you, and I regret it very much, that I shall be most probably away during the second fortnight of the month inst. It will be certainly possible for you, anyway, to come and visit our Laboratories: two co-workers of mine will gladly accompany you seeing around the Institute.

I feel sorry having to miss this opportunity to meet you again and I remain,

Yours sincerely,

Prof. G. Natta

Editorial Headquarters
Washington, D. C.

NEWS

CHEMICAL AND ENGINEERING NEWS

PUBLISHED BY THE AMERICAN CHEMICAL SOCIETY • WALTER J. MURPHY, Editor

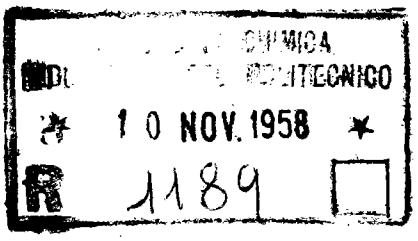
Bush House • Aldwych, London, W.C.2 • Phone TEMple Bar 3605
Telegrams: JIECHEM, ESTRAND, LONDON



7 November, 1958

Professor Giulio Natta,
Istituto di Chimica Industriale,
Politecnico,
Piazza Leonardo da Vinci,
Milan, Italy,

CHIMICA
POLITECNICO
10 NOV. 1958
R 1189



Dear Professor Natta,

I plan to be in Milan the week of November 17 to 21, and I hope it will be possible to see you again, and perhaps to visit your laboratory, which I have never seen.

I will telephone you on the 17th, and perhaps we can arrange an appointment for later in the week.

I will look forward to the possibility of seeing you again.

Very truly yours,

Albert S. Hester

Albert S. Hester
Associate Editor
European Office, London

Rispondere subito che io probabilmente nel periodo 17-21 Novembre assente da Milano, ma che egli potrà visitare il laboratorio (sarebbe accompagnato il Prof Maggiore o Corradini)

Original.

July 1, 1958

Mr. E.W. COOK
European Technical Representat.
American Cyanamid Co.
Bush House
ALDWYCH, London, W.C. 2

Ref.n.783/el

Dear Mr. Cook,

many thanks for your kind letter of June 26, 1958. I shall be glad to meet Mr. Suen during the Nottingham Conference.

As to his visit at our Institute on August 13, I wish to inform you that our Institute is closed during all August for our vacations. ~~If Dr. Suen will stay in Europe also in September, he can visit us in this month.~~

With best regards,

Sincerely yours,

(Prof.G.Natta)

CYANAMID

CYANAMID OF GREAT BRITAIN LIMITED

BUSH HOUSE, ALDWYCH, LONDON, W. C. 2

TELEPHONE: TEMPLE BAR 5411
TELEGRAMS:
CYANCHEM ESTRAND, LONDON
CABLEGRAMS: CYANCHEM, LONDON

ISTITU... INDUSTRI...
28 GIU 1958
R 783

June 26th, 1958

Professor G. Natta,
Instituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci, 32,
Milano,
Italy.

Dear Professor Natta:

I was very glad indeed to meet you again at the Turino Conference, and to learn from you first hand about your most recent work in the isotactic field, particularly regarding fluoro-styrene and the elastomers from butadiene, which you mentioned in your plenary lecture.

Dr. T. J. Suen, Group Leader of the Plastics and Resins Section of our Stamford Research Laboratories will be attending the Nottingham Conference and I hope he will be able to make your acquaintance at that time. In any case, he would like very much to pay your Institute a visit, and he has suggested August 13th as a possible date. If your laboratories will be open during August, and some of your research students could show him around, I am sure that he would be most appreciative.

Thanking you,

Yours very sincerely,

E W Cook

E. W. COOK
European Technical Representative
American Cyanamid Company

EWC/err

DIRECTORS: O. N. WILLIAMS · H. F. BLISS, Jr. (U.S.A.) · R. T. BOGAN (U.S.A.) · GEN. SIR K. N. CRAWFORD, K.C.B., M.C.
E. G. HESSE (U.S.A.) · R. E. LAPEAN (U.S.A.) · S. C. MOODY (U.S.A.) · H. C. PLEVIN

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG, LDN.

CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 25 Luglio 1958

Ricevo dal Sig. Prof. G. Motta l'importo di Lire Sterline 200.-
diconsi Lstg. Duecento.....

A. Giachin

18 Marzo 1958

Egr. Dr. Ing. Antonio GIACHIN
10 Upper Grosvenor Street
London, W.1. - England

Rif. N. 396/rl

Egregio Ingegnere,

La ringrazio molto per la Sua gentile lettera del 10 c.m. e per l'articolo tratto dal "Chemical Age" dell'8 u.s. da Lei inviatomi.

Abbiamo osservato la completa ignoranza di molti inglesi sui nostri lavori, che non so se sia in buona fede.

Come Lei avrà visto, parteciperò al Congresso di Nottingham nel prossimo Luglio, sugli Alti Polimeri, che sarà un Congresso molto importante.

Ho visto che una mia comunicazione è stata fissata come la prima del primo giorno del Congresso.

I migliori saluti.

(Prof. G. Natta)

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC ADDRESS: GABBROENG, AUDLEY, LONDON.

CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 10 marzo 19 58

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
12 MAR 1958
R 390

Egr.sig.prof. Giulio NATTA
Politecnico di
M I L A N O
Piazza Leonardo da Vinci, 15

Gentilissimo Professore,

mi permetto accludere alla presente un estratto dal "Chemical Age" dell'8 marzo c.m., ritenendo che l'argomento possa interessarLa e La prego di accogliere i miei migliori ossequi.

A. Giachin

1 all.
sm/

CHEMICAL AGE - 8 March, 1958.

PROGRESS IN SYNTHESIS OF HYDROCARBON POLYMERS.
Professor Bawn at Bradford Symposium.

" The remarkable progress in the synthesis of hydrocarbon polymers which has been made during the last few years is not only of great technological importance but is of equal significance to the fundamental and theoretical aspects of polymerisation kinetics and polymer structures, commented Professor C.E. H. Bawn, Grant-Brunner Professor of Chemistry at Liverpool University, when he addressed the symposium held recently at Bradford Institute of Technology, on the subject of "The chemistry of plastics and polymers" (See Chemical Age last week, page 391).

Professor Bawn said that the developments arose mainly from the discoveries of new kinds of catalysts which enable a) certain vinyl monomers to be polymerised to molecules containing large sequences of monomeric units having definite steric configuration and (b) some monomers, particularly the "α-olefins' (alk-1-enes and their derivatives) which could previously only be polymerised with great difficulty even to products of low molecular weight, to be polymerised under ordinary conditions of temperature to crystalline products of high molecular weight.

It had long been recognised that vinyltype addition polymerisation was a chain reaction in which the chains might be initiated by free radicals, positive carbonium ions, or negative carbanions.
Polymerisation of many vinyl monomers might also be initiated by catalysts of the Friedel-Crafts type ($SnCl_4$, $AlCl_3$, $TiCl_4$) in which the initiating reaction was the formation of a carbonium ion.
This usually occured by transfer of a proton or other cation to the monomer for example:

$$BF_3 + H_2O \rightarrow H + BF_3OH-$$

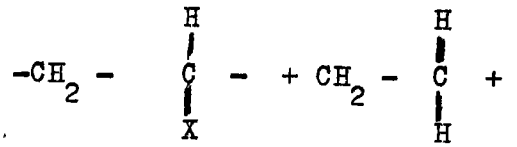
$$BF_3OH_2 + CH_2 = CHX \rightarrow$$

$$CH_3- \overset{\overset{H}{|}}{\underset{\underset{X}{|}}{C}} (BF_3OH)-$$

and propagation consisted of successive additions of the monomer to the carbonium ion :

$$-CH_2 - \overset{\overset{H}{|}}{\underset{\underset{X}{|}}{C}} + + CH_2 = CHX \rightarrow$$

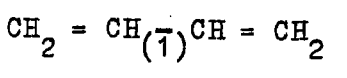
./.

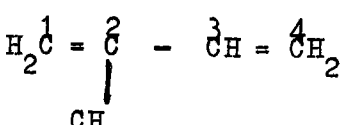


Monomers with electronegative substituents polymerised by an analogous anionic mechanism in the presence of reagents forming carbanions, e.g. sodium or potassium amide in liquid ammonia.
Within the last few years new kinds of catalysts had been discovered which not only initiated chain growth but also exerted a directing influence on the propagation reaction. It was believed that many of these catalysts act hetero-geneously - the process being initiated and occurring at sites on the surface by a growth reaction which was anionic in character. In this way polymers having a well defined stereochemical structure had been synthesised for the first time.

The difference in properties of the various hydrocarbon polymers is considerable, remarked Professor Bawn.
The atactic polymers were amorphous and non-crystallisable, and had low softening temperatures. Completely isotactic or syndyotactic polymers generally showed much higher melting points, higher crystallinity and better mechanical properties.
It was interesting that the melting point decreased with increase in the chain leng th of unbranched olefins (polypropene to polypentene), but increased greatly if the molecule was substituted by alkyl groups in position 3, 4 or 5.

Normally the polymerisation of 1:3 dienes such as butadience (1) or isoprene (11) led to the formation of polymers of





(11)

various structures and configuration according as addition occured in the 1:4- or the 1:2 position.

T A B L E

Polymer	Melting point Atactic degrees	Isotactic degrees
Ethylene	135	135
Propene	-35	160-170
But-I-ene	-42	120-130
3-Methylbut-1-ene		250-300
Pent-1-ene		70-80
4-Methylpent-1-ene		205-235
4:4 Dimethylpent-1-ene ...		320
Hex-1-ene		-55
4-Methylhex-1-ene		188
5-Methylhex-1-ene		>130
Hept-1-ene		-40
Styrene	85	230

1:4 - Structure - $CH_2 - CH = CH - CH_2$ -

1:2 - Structure - $CH_2 - \underset{\displaystyle CH = CH_2}{\overset{\displaystyle |}{CH}}$ -

Usually both types of addition occured together in a random manner forming a structure which is very complicated.
Recently highly significant examples of directed polymerisations had been observed with dienes. Starting with isoprene several methods had been announced for its polymerisation to a cis:1-4 polyisoprene almost indistinguishable from natural tree-grown rubber. For the first time it appeared that the method of the synthesis of rubber in nature had been closely approached. One of these processes used a dispersion of 0.1 part of lithium metal as catalyst in 100 parts of isoprene, and other processes used catalysts of the Ziegler type.
The most significant development in the field of catalysts and mechanism of stereospecific synthetis was the discovery by Ziegler in 1953 using a catalyst formed by the interaction of aluminium triethyl, or other metallic alkyls, and certain metallic halides, such as titanium tetrachloride, suspended in a hydrocarbon, that ethylene polymerised readily at ordinary pressures and temperatures to give a relatively unbranched polyethylene of high molecular weight.

In a sense, the low pressure polyethylene can be regarded as an example of a polymer with a completely orientated structure.
Other kinds of catalyst were being successfully employed for low pressure polymerisation of olefins. As with the Ziegler systems, this work was shrouded in patent secrecy although some of the catalyst system had been identified.
The catalyst used by the Phillips Petroleum Co. for example, consisted of an activated chromium oxide on a silica support. This company also claimed to have synthesised cis., trans. and 1:2 polybutadiene. The use of similar types of catalyst had been reported by the Standard Oil Co. of Indiana.
At the present time it appears that typical Ziegler-type catalysts have not been successfully used in the synthesis of crystalline polymers from polar monomers such a vinyl chloride or acrylonitrile. It was, however, with the polar monomer isobutyl vinyl ether that a crystalline high polymer of regular stereochemical structure was produced by Schildnecht et al. They observed that the isobutyl polyvinyl ether formed at low temperature in presence of a typical Friedel-Crafts catalyst (boron trifluorideether complex) was a crystalline material when polymerisatioh occurred heterogeneously, but a rubbery solid when it occurred homogeneously.
Concluding, Professor Bawn mentioned another highly significant example of stereospecific synthesis which, although not a vinyl polymerisation, showed similarities of mechanism. Price et al. observed that with a ferric chloride catalyst both (I)- and (-)- 1:2 epoxypropane gave polymers which could be separated into an amorphous fraction of intermediate molecular weight and a crystalline fraction of high molecular.
There was no difference between the products from the optically active and the racemic monomer and Price et al. concluded that the catalyst was highly selective in orientating the configuration of asymmetric centres along the polymer chain and that the formation of crystalline polymer occurred at heterogeneous catalyst sites, the catalyst which produced amorphous polymer being in solution.
It was apparent that these developments, although still in their very early stages of study, had opened a new chapter in polymerisation, and the stereochemistry of the polymer molecule. It was to be expected that homogeneous catalysts for stereospecific synthesis would be discovered and that the results would be extended generally to polar monomers."

24 Febbraio 1958

Egr. Ing. Antonio GISCHIN
10 Upper Grosvenor Street
LONDON , W.1. (England)

Rif.N.267/rl

Egregio Ingegnere,

La ringrazio per la Sua lettera del 14 u.s. con l'estratto della comunicazione di Melville.

Desidero informarLa che il prossimo mese di Luglio, sarò in Inghilterra e che presenterò due comunicazioni al Congresso sugli Alti Polimeri di Nottingham.

I migliori saluti.

(Prof. G. Natta)

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC ADDRESS: GABBROENG, AUDLEY, LONDON.

CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 14 febbraio 1958

Egr.sig.Prof. Giulio NATTA
Politecnico di
M I L A N O
Piazza Leonardo da Vinci,15

257

Gentilissimo Professore,

mi permetto accludere alla presente un estratto dal "Chemical Age" del 15 c.m., ritenendo che l'argomento possa interessarLa e La prego di accogliere i miei migliori ossequi.

A.Giachin

1 all.
sm/

CHEMICAL AGE
15 February, 1958

HIGH POLYMERS, SUBJECT OF THE KELVIN LECTURE

" In the course of his Kelvin Lecture at the Institution of Electrical Engineers, dr. H. W. Melville, Secretary of the Department of Scientific and Industrial Research, urged electrical and other engineers to keep in close ouch with high polymer chemists. He said that the possibility of their producing man-made materials to fit their special requirements was very real.

Dr. Melville stated that new materials were not only of interest to those who make them, in the case of high polymers, the chemist, but also to those who use them, the physicist and the engineer. He pointed out that high polymeric materials were not especially new but it was the systematic search for materials of this kind for quite specific uses that was a much more recent development. Sufficient knowledge was now beginning to emerge to approach these problems in a less empirical fashion than was possible 20 years ago.

The relationship between properties and chemical constitution was described by Dr. Melville, with particular reference to the main classes of high polymeric materials - elastomers (rubbers), fibres (man-made) and homogenous super-cooled liquids (plastics) and crystallising high polymers.

Polyurethane Rubbers

The behaviour of vulcanised and unvulcanised rubbers was considered and attention was paid to polyurethane rubbers. Dr. Melville then referred to a recent discovery by the British Rubber Producers Research Association regarding a method of preventing crystallisation, which consisted of making a slight chemical modification to the rubber. In the presence of a thiolacid containing the group - COSH the disposition of the groups around the double bond connecting two of the central atoms in the unit of the rubber molecule could be altered. The result was that the regular molecular geometry was disturbed and it then became impossible for the chains to form crystallites.
The striking effect of the slight change in molecular structure was that at 30° C after one hour unmodified rubber only returned 7 per cent to its original length, but modified rubber recovered 98 per cent of the original length.

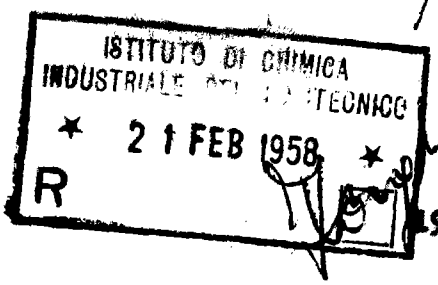
Speaking of the silicones, Dr.Melville said that the overall temperature dependence extended the useful range of silicone rubbers over a much wider range of values than ordinary hydrocarbon rubbers. Due consideration was given to the properties of polythene and polypropylene and to those of man-made fibres.

One of the most interesting kinds of synthetic fibres, stated Dr. Melville, was one resembling animal muscle in mechanochemical behaviour. The precise chemical structure of the fibre was not known but it was produced by mixing high polymer molecules containing acid groups (COOH) with those containing alcohol groups (OH). The mixture, each component of which was soluble in water, could be drawn into fibres. These, when heat-treated, became insoluble in water due to the formation of cross links of the ester type formed by the introduction of the COOH and OH groups. The fibres were, in effect, solid acids. When such afibre was suspended by a weight in an acid medium, the fibre swelled and came into equilibrium with its sorroundings at a defined length. If the acid medium was replaced by an alkaline one, the hydroxyl ions present in the medium, reacted with the H^+ ions attached to the outside of the fibre to yield water and the fibre was left with a negative electric charge. These charges caused the molecules to stretch by electrostatic repulsion. The fibre could be brought back to its original state by placing it in an acid bath. The same result could be obtained by replacing one ion with another on the surface of the fibre, e.g. Na^+ ions and Ba^{++} ions.

Actual efficiency of this mechanochemical system was very low - about 1 per cent. No real attempt had yet been made to get the optimum from such fibres for this kind of engine, but Dr.Melville said he had no doubt a much better performance could be achieved by such an effort. He suggested that this last example of ion-exchange fibres was a line in which research might pay dividends.

Concluding his lecture, Dr.Melville urged electrical engineers to seek the chemist when certain properties were sought in a material for particular uses, for the chemist might be able to "tailor-make" the material to suit the exact requirements. "

Copia: Fig. Prof. Natta



19 Febbraio, 1958.

Preg.mo Signor
Dr. Ing. A.Giachin
10, Upper Grosvenor Street
London W.1.

MSSM/ge

OGGETTO: Conferenze Plastics Institute in Inghilterra.

Egregio Ingegnere,

In risposta alla cortese Sua del 12 scorso, La informiamo che l'Ing.Orsoni, il Prof.Natta e l'Ing.Ballabio sono d'accordo sul programma delle due conferenze come da Lei proposte.

L'argomento sarà analogo e verterà sulle proprietà fisiche e meccaniche del polipropilene, campo di specifica competenza dei due conferenzieri prescelti, Dott.Ranalli e Ing.Crespi.

Essi si metteranno in contatto al più presto per la stesura dei testi relativi.

Restiamo in attesa di Sue ulteriori notizie circa le rispettive date da concordarsi.

Voglia gradire con l'occasione i nostri più distinti saluti.

"M O N T E C A T I N I"
F.to: Orsoni Pirovani

Crespi

13 Gennaio 1958

Egr. Ing. Antonio GIACHIN
10, Upper Grosvenor Street
LONDON, W.1

Rif.n.24/el

Egregio Ingegnere,

La ringrazio della Sua lettera del 7 gennaio e La informo che ho [redacted] programma di venire in Inghilterra nel prossimo mese di luglio.

Per il Congresso Internazionale sugli alti polimeri e al quale è ammesso un numero limitato di comunicazioni, avevo inviato, su invito da parte inglese, il titolo di due comunicazioni affinchè venissero scelto quello corrispondente ad un argomento più gradito. Ricevo ora comunicazione che entrambi gli argomenti sono stati accettati e dovrò perciò sobbarcarmi la fatica di fare due conferenze a Nottingham.

Si tratta però di un convegno molto importante, al quale vi sarà notevole partecipazione internazionale.

Lieto di poterLa così incontrare a Londra in quel periodo, Le invio molti auguri e cordiali saluti.

G.Natta

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC ADDRESS: GABBROENG, AUDLEY, LONDON.

CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1.

7 gennaio 19 58

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
9 GEN. 1958
24
R

Egr.Prof. Giulio NATTA
Politecnico di
M I L A N O
Piazza Leonardo da Vinci,15

Gentilissimo Professore,

in allegato mi pregio trasmetterLe un estratto dal "Chemical Age" del 28 dicembre u.sc. relativo alla Conferenza londinese sui progressi tecnologici nel campo dei polimeri, ritenendo trattarsi di argomento per Lei interessante.

La prego di credermi, con ogni migliore ossequio.

A. Giachin

1 all.
sm/

CHEMICAL AGE
28 December 1957

JOINT LONDON CONFERENCE ON POLYMER TECHNOLOGY ADVANCES

" Programme for the conference on "Recent advances in polymer technology", to be held jointly by the Plastics Institute and the Institution for the Rubber Industry has now been issued. The conference will be held on 27 February at the Institution of Civil Engineers, Great George Street, London S.W.1. Registration forms are obtainable from either organisation.

There will be two simultaneous sessions and two of the papers will be open to all those attending. These are: "Recent advances in polymerisation techniques" by dr. H.W. Melville (DSIR) and "The rubber-like state" by Professor G. Gee (Manchester University).

Papers in session A will be : "Masterbatching techniques" by H.A. Braendle (Columbian Carbon Co.US); "Preplasticising methods" by R.Schooley (R.H. Windsor Ltd.);"Radiation and polymers"by Professor A.Charlesby (Royal Military College of Science); and "Radiation processing" by T.Bain and W.H; T. Davison (Tube Investments Research Laboratories).

Session B papers will be "Rubber resin combinations" by Institute Français du Caoutchouc; "Mastication polymerisation" by Dr. F.Watson (British Rubber Producers'Research Association); "Urethane foam process" by Dr.J.T.Watts (ICI dyestuffs division); "Expanded p.v.c;" by F. Chapman (Whiffen and Sons); "Properties of cellular polymers" by A. Cooper (Expanded Rubber Co.Ltd.). "

TELEPHONE: WANTAGE 458

DIVISION HEAD: Dr HENRY SELIGMAN

ISOTOPE DIVISION,
WANTAGE RADIATION LABORATORY,
GROVE,
WANTAGE, BERKS.

Dr Hummel

August 11, 1958

in visit
10/9/58

177
184
~~194~~
~~195~~
201
211
214
215
216
222
249

G. Natta
Instituto Chimica ....
Milano, Italy

Dear Sir:

I have recently begun a program of research into the production of high polymers using high-energy radiations, and I believe the work done by you and your associates will prove to be of great value to me. I would therefore be most grateful if you could provide me with all those reprints which you may still have available on the polymerization of olefins by metal-organic compounds of the Ziegler type.

Please accept my apologies for making such a large request. If the list of references to your paper presented at the conference at Nottingham in July is a guide, you may be sending me a very bulky parcel.

Yours sincerely,

RW Hummel

(DR. R.W. HUMMEL)

ATOMIC ENERGY RESEARCH ESTABLISHMENT
UNITED KINGDOM ATOMIC ENERGY AUTHORITY

Smyth. (J.)

October 22, I958

Dr. K.L. Johnson
National College of Rubber
Technology
Northern Polytechnic
Holloway
London, N.7

1121/mb

Dear Dr. Johnson,

In reply to your letter of October 20, I wish to inform you that myself or some of my co-workers will be glad to show your students around visiting our La= boratories. Please, do confirm us in advance the exact data of your arrival.

Yours faithfully,

(Prof. G. Natta)

July 15, 1958

A. Keller
University of Bristol
H.H. Wills Physics Lab.,
Royal Fort
Bristol 8.

Our ref.774/mb

Dear Prof. Keller,

many thanks for your kind letter of June 22, which I read with much interest, concerning the results obtained by you in the examination of isotactic poly-4-methyl-pentene-1.

We found for this compound (P.Corradini, I. Pasquon - Rend. Acc.Naz.Lincei (8) 19, 453 (1955) a helix having 3,5 monomers per pitch (and an identity period of 19,8 A). The few equatorial reflections we observed for this polymer (like those observed for poly-4-methylhexene) may be observed on the basis of a pseudo-tetragonal unit cell with a = 18,6 A (poly-4-methylexene a = 19,65 A) (G. Natta, P. Corradini, I.W. Bassi - Rend.Accad.Naz.Lincei (8), 19,404 (1955)

The very loose mode of packing leads to a very low roentgenographic densities, lower than the experimental ones. Therefore, the amorphous part should be more compact than the crystalline one, as it appears to happen also for poly-5-methyl-hexene.

Your researches will certainly allow you to clarify the reason of this low-density mode of packing.

We are working now on the solution of the structure of poly-3-methylpentene, of poly-5-methylhexene and of polyvinyl-naphtaline. The last polymer crystallizes in the space group I 4, cd having a = 21,33 A and c = 8,30 A.

Each fourfold right-handed helix is environned by four left handed helices and vice-versa.

Some preliminar results have been communicated at the VIII National Congress of Chemistry held in Turin last May.

./.

Letter to A. Keller of July 15th.

It is very interesting the fact that you have succeeded in growing single crystals, having tetragonal habitus, of poly-4-methyl-pentene-1. In an analogous way, we succeeded in obtaining single crystals of isotactic polystyrene having hexagonal habitus. On this argument we have a paper in press on "Rendiconti Istituto Lombardo di Scienze e Lettere".

As for what you ask for, with regards to the reproduction of my Fig. 6 from the paper "Catalyse Stereospecifique at Polymeres Stereoisomeriques ..." you have in mind to do, hereby I send you my agreement, the more so as I have been previously authorized by Brukhausen Verlag to publish part of my papers on other Journals.

Please quote the reference of this Journal in your aknowledgement, and let me know in which Journal you are going to have your paper issued as I wish I could refer to it in our references. The above illustration appeared originally in the paper : P. Corradini, I. Pasquon - Rend. Acc. Naz. Lincei (1955)

The remark you have made on the 100 A thick crystals, which involves a folding of the chains, seems to be very interesting. I should like to know from you if we might perhaps refer this information in our papers, by pointing out that we have been given such information, privately, from yourself, in case your paper would not yet be published.

With my best regards,

Sincerely yours,

(Prof. G. Natta)

UNIVERSITY OF BRISTOL

Tel. No: Bristol 2-4161 Ext.
Night Service 2-5027.

H. H. WILLS PHYSICS LABORATORY,
ROYAL FORT,
BRISTOL 8.

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
* 26 GIU. 1958 *
R 774

Professor G. Natta,
l'Istituto di Chimica Industriale
del Politecnico di Milano,
Milano.

22nd June 1958.

Dear Professor Natta,

I wish to thank you belatedly for the set of reprints you so kindly sent us two months ago. They proved to be very valuable for our work here, particularly as we have no access to the journals.

You might perhaps be interested that we have been working here on isotactic poly-4-methy-pentene-1. We succeeded in growing in some cases perfectly square shaped single crystals consisting of layers about 100A thick, forming spiral terraces. The electron diffraction patterns confirmed that the crystals were really tetragonal, with the chains perpendicular to the thin layers. In analogy with our similar findings in polyethylene /Phil.Mag. 2,1171, 1957 / we postulate that the chains are folded. The tetragonal cell dimension is 18.5A /the last decimal is still subject to more accurate calibration/. At the moment we think that the packing of the chains is a slightly distorted version of the rock salt type arrangement with one helix surrounded by four helixes of the opposite sense. However, we have not carried out a detailed structure analysis as yet.

We are thinking of writing a paper on these and similar findings and I would like to ask for your kind consent to our reproducing your Fig. 6. from the paper :Catalyse Stereospecifique at Polymeres Stereoisomeriques....., which you read in Paris last Summer and of which we possess a duplicated copy. If you do agree to this could you kindly also let us have the reference to the journal where this illustration originally appeared so that we may quote it in our acknowledgement.

Yours sincerely,

A. Keller

A. Keller

February 17, 1958

To the
Ministry of Supply - T.I.L.I.(b)
Leysdown Road
NOTTINGHAM, S.E.9. - England

I received the "Final Report on Sintering of Zinc oxide" from Royal Aircraft Establishment, that you were kindly sent to me.

Thanking you very much, I send you my best regards.

Sincerely yours,

(Prof.G.Natta)

OIL & COLOUR CHEMISTS' ASSOCIATION

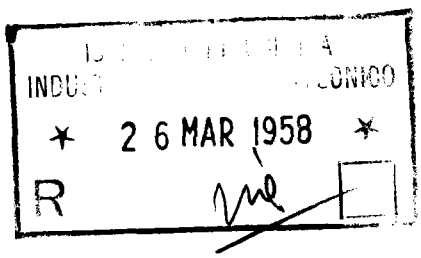
PRESIDENT : ~~C. W. A. MUNDY, F.R.I.C.~~ N. A. Bennett

From the Hon. Research & Development Officer:
P. J. GAY, B.Sc.
Telephone: Central ~~31754~~ 42111

Hangers Paints Ltd.,
Stoneferry Works,
Hull

PJG/VMR
Ref. N.319/rl

24th March, 1958.



Professor G. Natta,
Istituto Di Cehmica Industriale
Del Politecnico,
Piazza Leonardo Da Vinci, 32,
MILANO,
ITALY.

Dear Professor Natta,

I thank you very much for your letter of the 17th March and am gratified that you have posted on my letter to Professor Dante Pagani. You have in fact saved me writing directly to FATIPEC because it is my custom each year to invite somebody from FATIPEC to deliver a lecture, although I must say they do not always succeed in finding a lecturer.

With many thanks,

Yours sincerely,

P. J. Gay.

March 17, 1958

Mr.P.J.GAY
Oil & Colour Chemist's Association
Hangers Paints Ltd.
STONEFERRY WORKS - Hull (England)

Ref.N.319/rl

Dear Mr.Gay,

I received your kind letter of February 24, 1958, in which you asked me to give you some name of people who may present lectures, at the Bi-Ennial Conference of the Oil and Colour Chemist's Association, about the possible future uses of isotactic polymers in the productions of paints.

I transmitted your letter to Prof. Dante Pagani, President of "Fédération d'association des industries des Peintures et Vernis de l'Europe continentale" and President of the Italian Association. Prof.Pagani will get in touch with you on such matter.

With best regards,

Yours sincerely,

(Prof.G.Natta)

OIL & COLOUR CHEMISTS' ASSOCIATION

PRESIDENT: ~~XXXXXXXXXXXXXXXXXXXX~~
N. A. Bennett

From the Hon. Research & Development Officer:
P. J. GAY, B.SC.
Telephone: Central 42111

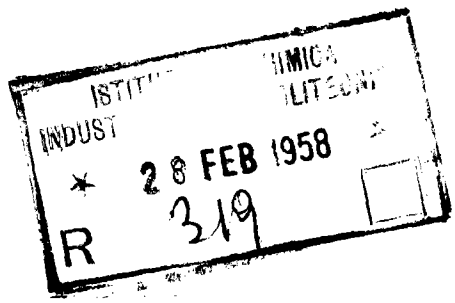
Hangers Paints Ltd.,
Stoneferry Works,
Hull

PJG/VMR

24th February, 1958.

Professor G. Natta,
Istituto di Chemica Industriale
del Politecnico,
MILAN,
ITALY.

ISTITUTO DI CHIMICA INDUSTRIALE DEL POLITECNICO
28 FEB 1958
R 319



Dear Professor Natta,

The Bi-Ennial Conference of the Oil and Colour Chemists' Association which is to be held in Edinburgh in May 1959 is to cover the subject of polymers of various types which may not be of immediate interest to the paint and allied industries, but about whose development the members of these industries should know because the techniques may help them, or because the polymers themselves may eventually become of interest. We realise that this covers a wide field and we are hoping to get papers on such varied subjects as the polymers containing fluorine, boron, silicon etc.

I recently read your most interesting lecture given before the members of the Plastics and Polymer Group on Isotactic Polymers and it occurs to me that some aspect of this work might be of interest to the Conference, although I obviously would not want to have anything in the nature of a repeat of what you have already given. I am wondering whether you could give me any advice as to anybody in this country who is working on some aspect of the subject and who might be approached to give such a lecture at the Conference. Any suggestions or help you can offer would be most appreciated.

Yours sincerely,

P. J. Gay.

February 26, 1958

Prof. R. S. Nyholm
University College London
Gower Street W C1
Department of Chemistry
LONDON - England

Ref. No. 296/rl

Dear Professor Nyholm,

many thanks for your kind letter of February 19, I am sending you, enclosed, a reprint of our work on chromium hexacarbonyl I am sorry, but at the present, I have not a sample to send you, as we used this product to carry out several experiments for studying its derivatives.

If it is enough for you a 10-15 g sample, I shall be glad to send it to you, within about 10 days, free of any charge. However, I shall inquire about the customs duty and about the means of conveyance. Of course, it should be more easy for us to deliver such a sample to a person who go to England, and therefore we shall inquire about this matter. Please, let us know if some people of yours will come to England from Italy.

Awaiting your kind reply, I send you best regards.

Sincerely yours,

G. NATTA

Encl/

UNIVERSITY COLLEGE LONDON · GOWER STREET WC1

DEPARTMENT OF CHEMISTRY

Telephone EUSTON 7050

ISTITUTO DI CHIMICA
INDUSTRIALE POLITECNICO
* 24 FEB 1958 *
R 296

19th February, 1958

Dear Professor Natta,

I had hoped that I might have had the opportunity of meeting you when we were both at the coordination chemistry conference in Rome last September, but unfortunately, I had to leave before the end.

One of the reasons for my wishing to see you was to seek your advice in connection with the preparation of certain metal carbonyls. I have a small amount of chromium carbonyl in particular and am anxious to make some more. I understand that you have an especially good method for doing this and I would appreciate information as to the references in the literature.

May I go further and ask whether, if you have a small amount to spare, of the order of 50 grammes or so, you might be willing to sell some of this to me? This would enable me to keep going until I obtained some by the preparative method.

Any assistance which you could render would be much appreciated.

Yours sincerely,

R. S. Nyholm

R. S. Nyholm,
Professor of Chemistry

Professor Giulio Natta,
Facolta di Chimica,
Politecnico,
Piazza Leonardo da Vinchi 32,
Milano.

Ercole
108

I. R. MAXWELL, M.C.
TELEPHONE: EUSTON 4455

PERGAMON HOUSE
4&5 FITZROY SQUARE
LONDON, W. 1

18th July, 1958.

925

Dear Professor Natta,

As an author and friend of the Press, you will be interested to receive a copy of our latest catalogue, listing all the books and journals published, or shortly to be published, by Pergamon Press.

I also enclose a copy of our just-issued brochure which describes in detail the many advantages and services rendered by the Press to its authors, and gives some interesting facts about Pergamon Press. This information should be of use to you and your colleagues who may be contemplating writing a book. If you are planning a book now, or are thinking of doing so later, I should appreciate it if you would note our interest and send me an outline for editorial consideration.

I should also be glad to receive from you suggestions for books that are needed in your fields of interest. (We do, of course, offer a small honorarium for editorial advice.)

I hope that you will decide to acquire for your personal library, or recommend your establishment to purchase, some of the titles mentioned herein ha have your ineres. I look forward o hearing from you.

Yours sincerely,

Maxwell

I.R.Maxwell
Publisher

Plastics

PROPRIETORS:
TEMPLE PRESS LIMITED
CHAIRMAN AND MANAGING DIRECTOR:
ROLAND E. DANGERFIELD

EDITOR:
M. D. CURWEN, B.Sc., A.R.I.C.

IST... INDUSTI... ...ONICO
17 FEB 1958
R 270

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12 RENFIELD STREET
TELEPHONE: CENTRAL 1413

HEAD OFFICE:
BOWLING GREEN LANE,
LONDON, E.C.1

CWW/WK.

Professor G. Natta, February 14, 1958.
Istituto Di Chimica Industriale
Del Politechnico,
Piazza Leonardo Da Vinci 32,
Milano, Italy.

Dear Professor Natta,

Under separate cover I am sending you a copy of the February issue of "Plastics" and on pages 41 to 45 you will find a record of your work in the polypropylene field. This article is creating tremendous interest in this country and we were very proud to have it for publication in this journal.

Yours sincerely,

C. W. Welch
Assistant Editor.

October 20, 1958

S.N. Pinner
Tube Investments Research Lab.
Hinxton Hall
N.R. Saffron Walden,
Essex.

1077/mb

Dear Mr. Pinner,

This is in reply to your letter of October 6 and to your comments on the terms "Anionic Catalysis" or "Coordinated Catalysis".

I think that the term "Coordinated Anionic Polymerization" would, better than any other, characterize the processes we have developed.

The mere indication "Coordinated catalysis" might lead to confusion, because there exist a great number of catalytic processes, usually considered as cationic, which are, indeed, also coordinated. See, for instance, the catalytic polymerization processes of styrene with complexes containing transition metals (titanium trichloride complexes); or other complexes containing fluoroborates or aluminum alogenides; they are ordinarily considered as cationic processes, although also the catalyst is a complex and the polymeric chain is linked by its electropositive end group to the catalytic complex.

I do not think that the term "Anionic" or "Cationic" should be confined to those cases where a complete dissociation into free ions occurs. As, in the inorganic chemistry, some saltd, e.g. Calcium fluoride, and some oxydes, e.g. Aluminum or Magnesium oxydes, which are not soluble and therefore not dissociated, are considered as ionic compounds, being formed by ions having different sizes from those of neutral atoms, in like manner the ionic process, in the case of polymerization, should not be confined to the case in which a complete dissociation in soluble ions occurs, but must provide also those cases in which the great difference in the electropositivity of the atoms bound implies a polarization of ionic type of the carbon-catalyst linkage, so that its temporary ionic dissociation require a small activation energy and allowe the following polymerization step ./.

As far as reactivity is concerned, the butene-1 is less reactive than propylene, the propylene less than ethylene and ethylene less than butadiene. The styrene reactivity is initially high, but reasons of steric nature hinder the continuation of the polymerization during long time. Operating with insoluble catalysts, which become coated by the polymer hindering the monomer diffusion.

With differently substituted styrenes, different polymerization rates have been observed, according to the previsions for an anionic mechanism.

In the coordinated anionic catalysis, the polymerization may be hindered by steric factors and the catalyst may be destroyed or empoisoned, according with its reactivity towards monomers or solvents containing lone electron pairs, ecg. oxygen, aliphatic chlorine, nitrogen of ammino groups, ecc.

We have recently prepared catalytic complexes containing titanium, aluminum and chlorine which do not polymerize the olefins, whereas polymerize some oxygenated monomers by a mechanism of catalytic nature leading to the formation of sterically ordered polymers, e.g. crystalline vinylethers. Such catalysts should be called coordinated cationic catalysts and cannot be considered merely cationic catalysts, as any complete permanent dissociation into ion pairs (electropositive carbon and electronegative catalyst) does not take place.

With both coordinated cationic catalysis or with coordinated anionic catalysis, in the case the dissociation occurs very easily, polymers are obtainable which have not a great steric regularity.

The isotactic polymers of α-olefins are obtained with completely insoluble catalysts, the stereoblock ones with less insoluble catalysts and the atactic ones with more soluble catalysts.

There exists a continuous passage between anionic catalysis and coordinated anionic catalysis. Undoubtely, it is to be distinguished between the coordinated catalysis, in which the polymeric chain ends with an electronegative carbon atom and the coordinated catalysis in which the polymeric chain ends with an electropositive carbon atom.

It is for such reasons that I think it advisable to use the term "Coordinated anionic catalysis" and "Coordinated cationic catalysis" instead of the term "Cationic catalysis".

With personal regards,

Yours sincerely,

G.Natta

TUBE INVESTMENTS RESEARCH LABORATORIES

HINXTON HALL

CAMBRIDGE

Telephone: Sawston 2381/10 Lines
Telegrams/Cables: TILABS, Hinxton

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
* 10 OTT. 1958 *
R 1077

Postal address:
TUBE INVESTMENTS RESEARCH LABORATORIES,
HINXTON HALL, NR. SAFFRON WALDEN, ESSEX

Your Ref:

Our Ref: SHP:TJP

6th October, 1958.

Professor G. Natta,
Istituto di Chimica Industriale del Politechnico
di Milano,
Italy.

Dear Professor Natta,

At the recent High Polymer Conference at Nottingham, I questioned the desirability of regarding the polymerisation of propylene as a pure anionic process and recommended substitution of Professor Price's term "Coordinated Propagation". Your response at that time was to refer me to certain papers published in La Ricerca Scientifica. When I told you I had not seen these papers, you kindly offered to send me reprints. These have now arrived and I have read them with considerable interest.

While fully in accord with every other aspect of this paper, I still feel that a purely anionic propagation process has not been established and that the term "Anionic" will lead to confusion if continued to be used in description of this new mode of propagation.

To my mind the term "Anionic Polymerisation" should be confined to systems initiated by, say, potassium amide in liquid ammonia. Propylene does not polymerise by this mechanism, but styrene and butadiene do. If Zeigler and Natta-type polymerisations proceed truly by an anionic process, this would imply that the catalysts are more active with respect to styrene and butadiene than to propylene. Is this indeed the case? It seems to me that monomers could be arranged in order of reactivity to coordinated catalysts and that this order would be quite different from that previously observed for either cationic or anionic polymerisations. The main differences would arise through the contribution of steric influences and the chemical reactivity of the substituent on the monomer.

...../2

On page 15 of your paper, you list ten arguments in favour of "coordinated anionic catalysts." Of these, only items 1 and 6 contribute to the question of whether the propagation is specifically anionic. In regard to item 1, you will agree that it is customary to refer to the stability of monomers with reference to ethylene as a standard rather than the other way around. Item 6 provides the strongest evidence in favour of an anionic mechanism, but the influence of the substituent and the order of monomer reactivity are equally explained by the alternative mechanism of "Coordinated Propagation", which requires the olefin to be polarised immediately prior to propagation, in such a way that the anionic end of the monomer never has any real separate independent existence.

Please accept my assurance that these comments and those which I earlier made at Nottingham in no way minimise the very great respect and admiration which I feel for the contributions you have made to world science in general and plastics technology in particular.

Yours sincerely,

S.M. Pinner.

MONTECATINI
Società Generale per l'Industria Mineraria e Chimica

Brevetti e Documentazione Tecnica

PROMEMORIA

RP/ij

ISTITUTO DI CHIMICA INDUSTRIALE
* 26 MAG 1958 *
R

Data, 23/5/58

per il Signor Prof. G. Natta

Egregio Professore,

Mi riferisco alla Sua nota del 14 corr. relativa alla "interpretazione" data dal Prof. Robinson ai termini isotattico e sindiotattico.

Sembra chiaro che il Prof. Robinson, al termine di un banchetto probabilmente bene annaffiato, ha voluto fare dello spirito, senza tuttavia molto riuscirci.

A mio avviso non si dovrebbe pertanto prendere sul serio quanto scritto nello stelloncino di Chemical Age. Sarei di opinione di non scrivere affatto.

Distinti ossequi.

(R. Pirani)

14 Maggio 1958

Egr. Dr. R. PIRANI
Ufficio Brevetti
Società Montecatini
S e d e

Egregio Dottore,

ho ricevuto dall'Ing. Giachin, due estratti dal fascicolo del "Chemical Age" del 26 aprile u.s. Uno di questi, di cui Le invio copia, dà un'interpretazione quanto mai "personale" dell'etimologia delle parole isotattico e sindiotattico. Le sarei grato se potesse dirmi cosa ne pensa Lei delle affermazioni di Sir Robinson e se approva la risposta che intenderei scrivere al Chemical Age, di cui Le allego la bozza.

Molti cordiali saluti.

G. Natta

N. 2 allegati

CHEMICAL AGE
26 April, 1958.

POLYMER CORPORATION'S NEW RUBBER PROCESS

" A new type of synthetic rubber, similar to natural rubber, is under active development by the Polymer Corporation Ltd. of Canada.
The new project was announced in reporting plans for construction of a $. 500,000 pilot plant at Sarnia, Ontario, to supplement existing research facilities.
Purpose of the new unit is to accelerate the development and evaluation of the commercial aspects of the new rubbers which are radically different from those at present being manufactured.
The process is described as a "major break-through in organic chemistry" and is based on discovery of a new family of catalysts.
Using the new process, the company claim to be able to duplicate this arrangement of the isoprene molecules.
Polymer officials say that the raw materials for making the synthetic "natural" rubber could be readily produced in the Sarnia area at costs which would make the new processes commercially attractive."

CHEMICAL AGE
26 April, 1958.

" Speaking as guest of honour at the silver jubilee dinner and dance of the plastics and polymer group of the SCI at the Savoy, London, last week, Sir Robert Robinson declared that polythene was cluttered up with jargon.
For instance steriospecific and scientific papers were written in jargon. He thought, however, that stereospecificity had come to stay. Therefore, he would try to give an explanation of this jargon.
Professor Natta, he recalled, had given descriptions of the various types of polymer - i.e.,atactic, isotactic and syndiotactic. Analysis of these words showed that atactic was derived either from the Greek tactico or tactica - meaning arrangement or procedure of arrangement or tactus (Latin) to touch. The prefix iso meant same or equal, that was, to get to touch equally well so that the substance polymerised well.
Atactic meant the substance wasn't any good.
As for syndiotactic, Sir Robert suggested that this was derived from syndicate tactics as, for instance, when one shared a car with 11 others. "

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC ADDRESS: GABBROENG, AUDLEY, LONDON.

CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1.

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
29 APR. 1958
R

28 aprile 19 58

Egr.sig. prof.
Giulio N A T T A
Politecnico di
M I L A N O
Piazza Leonardo da Vinci,15

Gentilissimo Professore,

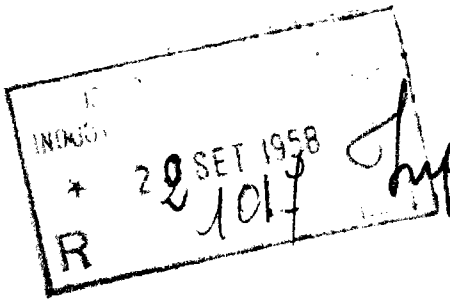
mi permetto accludere alla presente un estratto dal "Chemical Age" del 26 aprile c.a., ritenendo che gli argomenti trattati possano interessarLa e La prego di accogliere i miei migliori ossequi.

A. Giachin

2 all.
sm/

From Sir Robert Robinson.
Tel. Mayfair 6618.

170, Piccadilly,
London, W.1.



19th September, 1958.

Dear Professor Natta,

This letter is merely to acknowledge yours to Sir Robert of 16th September and to inform you that Sir Robert, who has now recovered from his indisposition, will not be attending the Meeting in Varenna. As you know he is the new President of the Society of Chemical Industry and has had to go to Canada for the inaugural meeting. He was very disappointed to have to miss the meeting in Varenna.

Yours sincerely,

Patricia M. Kirk

September 16, 1958

Sir Robert Robinson
170 Piccadilly
LONDON W.1

/mb

Dear Sir Robinson,

we were very glad to have the pleasure of being visited by Lady Robinson and you at Champoluc, only we regret that your visit was so short.

I was distressed to learn from the letter of Lady Robinson to Rosita that you had some trouble with your health after going back to London. I wish you to be now completely recovered so that I shall have the pleasure of seeing you soon at the Varenna Meeting.

I wish I could have good news of you very soon and look forward to seeing you again in Milan or at Varenna.

May I present my best regards to Lady Robinson.

Sincerely yours,

Prof. G. Natta

B O Z Z A

Milano, 16/9/1958

Sir Robert Robinson
170 Piccadilly
LONDON W.1.

Dear Sir Robinson,

Lady Robinson e siamo stati molto lieti di avere avuto/Lei a Champoluc e ci è spiaciuto soltanto che il soggiorno sia stato troppo breve.

Sono stato molto spiacente di apprendere dalla lettera di Lady Robinson a Rosita che i medici, al vostro ritorno a Londra, Le hanno trovato una congestione polmonare. Spero vivamente che ora si sia completamente ristabilito e che potrà venire in Italia per il Convegno di Varenna.

Spero perciò di rivedere presto Lady Robinson e Lei a Milano o a Varenna.

Molti auguri e i migliori saluti.

G.Natta

From Sir Robert Robinson.
Tel. Mayfair 6618.

170, Piccadilly,
London, W.1.

30th July, 1958.

My dear Natta,

On return from the U.S.A. a few days ago I received your kind letter of July 16th and realise from it that I have missed seeing you and your wife in our own country. It turned out to be impossible for me to leave London to go to Nottingham and in any case I would have been late for the more interesting part of the Congress, namely that part which included your own lecture.

My address in Pontresina from 9th August to 19th will be Hotel Kronenhof, Bellavista.

In spite of your very kind suggestion I think we had better use Milan as a stopping place on account of the probable late hour of arrival. We shall be coming from Pontresina by train but even so may find it convenient to break the journey on the way to Milan. I am a little unfamiliar with the times and in view of your very kind offer to pick us up in the afterternoon at Milan I will hold the option of informing you about this at a later stage. At present I think it would be safer to assume that we could leave Milan as early as you like on August 20th but of course not too early in view of your own convenience. I certainly do not want you to arise in the early hours of the morning for this purpose and we can always amuse ourselves in a large Italian city.

I am looking forward very much to the visit and so is Lady Robinson. She sends her warmest regards to you and Mrs. Natta and is also disappointed that we missed your visit to England of account of our nearly contemporaneous arrival from U.S.A.

Sincerely yours,

R Robinson

Prof. G. Natta,
c/o Villa Beati,
Campoluc,
Val D'Aosta.

July 16, 1958

Sir Robert Robinson
170 Piccadilly
LONDON, W.1 - England

Our ref.No. 850

Dear Sir Robinson,

many thanks for your kind letter of July 9. I beg your pardon for my replying in a hurry as I am leaving Milan to England to attend the Nottingham Conference on Macromolecular Chemistry.

Mrs Natta and I were very glad to have been confirmed about your coming to Champolue next summer. With Lady Robinson

We will come back from London about on July 25 and go to Champolue in the first week of August.

Please let me know your address at Pantresina and the name of the hotel in Milan where you are going to stay at your arrival, on August 19.

However, ad Champolue is distant from Milan about two hours and an half, I would propose to come to pick you up in Milan in the same day of your arrival, so that you do not pass the night in the almost torrid weather of Milan. In this case, please let me know the exact hour of your arrival, so that we may meet each other as soon as you arrive to Milan.

I will be waiting for your reply, and looking forward to seeing you soon, do receive, dear Sir Robinson, my best personal regards. Please convey ~~my~~ deepest ~~kind~~ regards to Lady Robinson

Sincerely yours,

G.Natta

P.S. - Please note that I shall be in Milan, Via Mario Pagano 54 till August 1st and, afterwards, you may find me at Champolue - c/o Villa Beati (Val D'Aosta).

9500 Wilshire Blvd.

BEVERLY WILSHIRE

Beverly Hills, California Telephone Crestview 5-4282

Sharp Ltd. Hotels

INDUSTRIAL
14 AUG 1958
R 850

Los Angeles,
July 9th/58

My dear Nathan,

Your kind letter of June 12th was forwarded to me in U.S.A. but unfortunately not in the first instance to the correct address.

My wife and I would much like to accept your much appreciated invitation and as we leave Pontresina on 19th August should be able to reach Milan that evening and could start the journey to your home at Champoluc on the 20th. It would be necessary to leave on the 23rd so as to enable me to fulfill engagements in the following week.

You are extremely kind and it will be a real pleasure to have this opportunity to improve our acquaintance as well as to see the country round Villa Beati.

My only trouble is that you will interrupt your vacation in order to transport us.

As regards the 'Tetrahedron' paper, a purely experimental contribution is very welcome. I mentioned the 'Review' of previous work, not because it is preferred, but because it is encouraged. This is not the case with the National Journals & I thought it an attraction. Certainly it is not a condition & most of our papers are of the usual type.

We have demanded quicker publication & the publishers have now promised a maximum of 90-120 days from the date of acceptance. Monthly publication is now the objective.

With kindest regards from both of us to you & Signora Natta

Yours very sincerely,

R Robinson.

We are back in New York on the 13th & England on the 22nd July.

Draft

June 12, 1958

Sir Robert ROBINSON
c/o Hotel Salisbury
123 West 57th Street
NEW YORK - N.Y. - U.S.A.

Ref.No.698/rl

Dear Sir Robinson,

many thanks for your kind letter of June 9, 1958. Mrs.Natta and I are very pleased to know that Lady Robinson and you will be in Pontresina about August 20, and that you will have some days to spent with us in our Country House. We do hope that also Lady Robinson will come. The travel from Pontresina to Milan is very simple, and I shall accompany you by car from Milan to Champoluc. Please let me know the date of your arrival to Milan. Mrs.Natta and I will appreciate very much the pleasure to have you our guests and to show to Lady Robinson and you our valley and our mountains.

We shall be in Champoluc from the first week of August till the middle of September, and our address is : Natta, Villa Beati - Champoluc (Prov.Aosta) (Italy).

I wish to thank you for your offer to publish a work of mine on "Tetrahedron"; but I see that you prefer that this work is of summarising nature with the inclusion of a modicum of new work. Our work, ready for publication is, on the contrary, af mainly experimental nature and on a specific subject. At present, we do not have sufficient evidences to put in relation our results on the constitution of the addition products of styrenes to aluminum hydride with the particular structure characteristics of the crystalline polystyrene and the substituted polystyrenes.

Besides, I have not, now, the necessary time to prepare an other paper of summarising nature, but, as soon as possible, I shall be very glad to contribute with an article to a review so weel extimated, like "Tetrahedron".

Please convey my kindest regards to Lady Robinson, also from Mrs.Natta. Awaiting the pleasure of meeting you, I remain,

Very sincerely your

Giulio Natta

From Sir Robert Robinson. *170, Piccadilly,*

Tel. Mayfair 6618. *London, W.1.*

ISTITUTO DI CHIMICA INDUSTRIALE DEL POLITECNICO
* 11 GIU. 1958 *
R 698

9th June, 1958.

My dear Natta,

It was a very great pleasure to meet you and your wife again in Turin and I thank you most warmly for your kind invitation to your mountain home. The present position is that I am engaged to be in Pontresina until about August 20th. Somewhere around that time my wife and I would be free for two or three days but as she is not with me at the moment (actually in New York) I feel it impossible to commit her in view of the possibility that after getting some air in the mountains she may want to neutralise the effect in a city. This would rather be in accordance with my previous experience but I will do my best to resolve the situation as soon as possible and certainly before the end of the month. There will then be a delay for an airmail letter from New York.

Perhaps you will kindly let me know at Hotel Salisbury, 123 West 57th Street, New York, whether this kind of thing would suit you and your wife. It goes without saying that we definitely do not wish you to alter any existing arrangements on our account and that we are most grateful for your kind invitation.

I have ascertained that should you find it possible to honour "Tetrahedron" by a paper which could preferably be of a summarising nature with the inclusion of a modicum of new work, publication could be made within ninety days. We would very much like to have a general account of your researches and as I say the usual rule is that whereas the introduction may be disproportionate we like to have some new experiments mixed up in the whole. This consitutes one of the advantages of "Tetrahedron", namely, that historical introductions can be much more extensive than is possible in the national journals. I sincerely hope that this project will come to fruition.

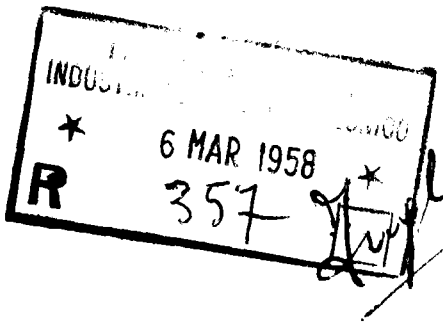
With kindest personal regards,

Yours very sincerely,

R Robinson.

Professor G. Natta,
Inst. di Chemica Industriale,
Piazza Leonardo da Vinci 32,
Milan, Italy.

From Sir Robert Robinson.
Tel. Mayfair 6618.



170, Piccadilly,
London, W.1.

3rd March, 1958.

Dear Professor Natta,

Many thanks for your letter and very kind invitation to Milan. However, I am very sorry to say that my wife will be proceeding directly from Turin to New York with perhaps only a day in England on the way and I shall naturally wish to see her off. Therefore, we must decline the pleasure of meeting you and Mrs. Natta on your home ground. However, I am sure you will be in Turin and we shall certainly be at the meeting and look forward very much indeed to the occasion.

With kindest personal regards,
Yours very sincerely,

R. Robinson.

Professor G. Natta,
Inst. di Chimica Industriale
Piazza Leonardo da Vinci 32,
Milano, Italy.

February 25, 1958

Sir Robert Robinson
170 Piccadilly
LONDON W.1. - England

Ref.No.307/rl

Dear Sir Robinson,

I have been very glad to know that you will attend the VIII National Congress of Italian Chemical Society, that will be held in Turin next May. I do hope that also Lady Robinson will come to Italy ; Mrs.Natta will be very pleased to meet her;

If Lady Robinson and yku have the possibility to come to Milan from Turin, for 1 or 2 days, we will be very glad. I should like to introduce you to the Director of Montecatini Co.; and this Company will charge itself with the travel and staying expenses for Lady Robinson and you.

Looking forward to seeing you in Italy, I send you my best personal regards.

Very sincerely yours,

Giulio Natta

THE BRITISH RUBBER PRODUCERS' RESEARCH ASSOCIATION

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REGISTERED OFFICE: 19 FENCHURCH STREET, LONDON, E.C.3.
SECRETARY: G. E. COOMBS.

DIRECTOR OF RESEARCH: L. BATEMAN, D.Sc., PH.D.

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HERTS.

TELEPHONE: WELWYN GARDEN 5474 (5 LINES)
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ISTITUTO DI CHIMICA INDUSTRIALE DEL POLITECNICO
25 GIU. 1958
R 763

OUR REF.: LB/DH

YOUR REF.:

23rd. June 1958

Professor G.Natta,
Instituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci, 32,
MILAN..... I t a l y.

Dear Professor Natta,

Further to my letter of 3rd. June, I am sorry to say that due to unforeseen circumstances I am no longer able to visit Italy this week. I shall try to make a visit in October and I hope I may be able to see you then.

Yours sincerely,

L. Bateman

THE BRITISH RUBBER PRODUCERS' RESEARCH ASSOCIATION

(INCORPORATED IN ENGLAND.)
REGISTERED OFFICE: 19 FENCHURCH STREET, LONDON, E.C.3.
SECRETARY: G. E. COOMBS.

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48 - 56 TEWIN ROAD,
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TELEPHONE: WELWYN GARDEN 5474 (5 LINES)
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OUR REF.: LB/DH

YOUR REF.: 679/rl.

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
11 GIU. 1958
R 699

19th. June 1958

Professor G.Natta,
Instituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci,32,
MILAN..... I t a l y.

Dear Professor Natta,

Thank you very much for your kind and prompt reply to my previous letter. I will try to re-arrange my programme to arrive in Milan before the 27th June, and will advise you as soon as possible if I am able to do this. Otherwise I will confirm my earlier proposals.

As I see that you will be attending the High Polymer Conference at Nottingham in July may I take this opportunity to extend to you a warm invitation to visit us here, if you can arrange to do so? We are easily reached from London.

Yours sincerely,

L. Bateman

June 7, 1958

Mr. L. BATEMAN
Director of Research
THE BRITISH RUBBER PRODUCERS'
RESEARCH ASSOCIATION
48-56 Tewin Road
WELWYN GARDEN CITY - Herts - Engl.

Ref. No. 679/rl

Dear Dr. Bateman,

I received your kind letter of June 3, from which I see that you and your colleagues will come to Milan on June 27. I wish to inform you that I shall be in Milan till June 26, but in the evening of 26th I shall have to leave Milan to Rome, and I shall be back only on Monday, June 30, 1958.

If you cannot change the date of your visit to Milan, my assistants, Dr. Crespi and Dr. Bruzzone, will show you our Institute.

Hoping to have the pleasure to meet you , I send you my best regards.

Sincerely yours,

G. Natta

THE BRITISH RUBBER PRODUCERS' RESEARCH ASSOCIATION

(INCORPORATED IN ENGLAND.)
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SECRETARY: G. E. COOMBS.

48 - 56 TEWIN ROAD,
WELWYN GARDEN CITY,
HERTS.

DIRECTOR OF RESEARCH: L. BATEMAN, D.Sc., PH.D.

ALL LETTERS SHOULD BE ADDRESSED TO THE ASSOCIATION AND NOT TO INDIVIDUALS.

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YOUR REF.:

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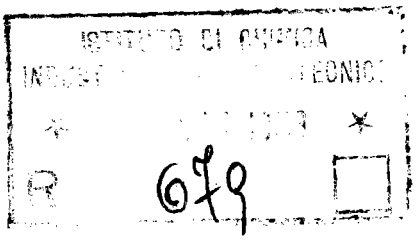
TELEGRAMS: RUBRESERCH, WELWYN GARDEN.

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
R 679



3rd. June 1958

Professor G.Natta,
Instituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci, 32,
MILAN..... I t a l y.

Dear Professor Natta,

I wonder if it would be possible, and convenient, for three of my colleagues and myself to visit your Laboratory on Friday, 27th. June?

Earlier that week we plan to visit the Institut Francais du Caoutchouc in Paris and possibly Professor Sadron's Laboratory at Strasbourg, and we should very much like while abroad to take the opportunity of discussing matters of mutual interest with you, if this can be arranged.

Yours sincerely,

L Bateman

~~Rico~~
sarò lieto vederli il 27/6
in tale giorno sarò
a Roma ma [illegible]
di essere di ritorno
a

THE BRITISH RUBBER PRODUCERS' RESEARCH ASSOCIATION

(INCORPORATED IN ENGLAND.)
REGISTERED OFFICE: 19 FENCHURCH STREET, LONDON, E.C.3.
SECRETARY: G. E. COOMBS.

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WELWYN GARDEN CITY,
HERTS.

DIRECTOR OF RESEARCH: L. BATEMAN, D.Sc., PH.D.

ALL LETTERS SHOULD BE ADDRESSED TO THE ASSOCIATION AND NOT TO INDIVIDUALS.

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TELEGRAMS: RUBRESERCH, WELWYN GARDEN.

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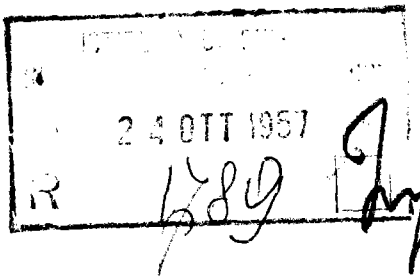
YOUR REF.: No.1757/gg



22nd. October 1957

Professor G.Natta,
Instituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci, 32,
MILAN..... Italy.

Dear Professor Natta,

I am afraid that Dr. E.J.Buckler has not given you entirely the correct impression of our studies on the abrasion properties of rubbers.

We are primarily concerned with understamding the factors which determine abrasive wear, and in developing methods of measuring these factors in the laboratory in order to obtain correlation with tread wear of tyres on the road under different conditions. Tests have been developed, in fact, which have allowed the different wear ratings of natural rubber compounds in the U.S.A. and in Europe to be correlated with laboratory measurements, and we are now engaged in evaluating other rubbers, particularly GR-S and butyl, in the same way. The results of several tests have to be combined to obtain the correlation, the method of combining depending on the conditions of wear to be experienced on the road. Quite definitely, it is not possible to apply one single test to obtain an evaluation of tread wear quality.

If you care to send a sample of a rubber which you think would be interesting for us to include in our programme, we should be glad to examine it and report on it when tested. As various test-pieces have to be made, we should require a few pounds (say 1 kg.) of the uncured rubber, with as much information as possible on the method of cure and other relevant particulars.

I enclose a copy of our latest Annual Report. The

Professor. G.Natta 22nd.Octr.1957

Introduction (pages 17-18) and pages 26-27-28 will very briefly indicate our approach to the above problem, but you may also find other topics of interest.

Yours sincerely,

L Jacimo

May 9, 1958

Mr. F. E. SALT
THE DISTILLERS COMPANY, Ltd.
GREAT BURGH - Epsom
Surrey - England

Ref.No.518/rl

Dear Mr. Salt,

coming back from a travel through the United States and Canada, I wish to reply to your kind letter of April 10, 1958.

I shall be very glad to meet you and Mr. Bessant in Turin, during the National Congress of Chemistry at the end of May. I do hope to be able to be in Milan on May 21-22 to see you both, but if I am obliged to be away, some assistant of mine (e.g. Prof. Danusso, Dr. Pasquon, Prof. Mazzanti or Ing. Crespi) will receive your and Mr. Bessant.

With kindest regards.

Yours sincerely,

G. Natta

THE DISTILLERS COMPANY, LTD.

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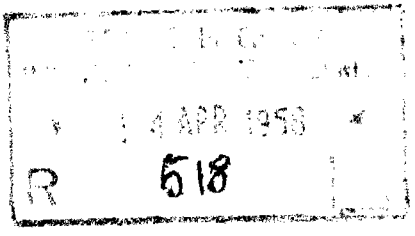

GREAT BURGH,
EPSOM,
SURREY.

Professor Natta,
Instituto di Chimica Industriale del Politecnico,
P. L. da Vinci, 32,
Milan,
Italy.

10th
April
1958
....

Dear Professor Natta,

I expect to be in Milan for a short while before attending the Eigth National Congress of Chemistry in Turin, together with my colleague, Mr. K.H.C. Bessant, whom you may remember as Honorary Recorder on the occasion of your lecture to the Society of Chemical Industry in London.

We will be very happy to meet you again and to discuss your work on olefin polymers and their properties and perhaps to see your laboratories and equipment. If this suggestion meets with your approval would you be good enough to let me know which of the days, May 21st, 22nd or 23rd would be most suitable.

With kind regards,

Yours sincerely,

F. E. Salt.

F.E. SALT

FES/JB

April 18, 1958

Mr. F. E. SALT
The Distillers Co., Ltd.
GREAT BURGH - Epsom, Surrey, Engl.

Dear Dr. Salt,

with reference to your letter of April 10, addressed to Prof. Natta, I wish to inform you that Prof. Natta is at present in the United States and will be back to Milan at the beginning of May.

At his return, Prof. Natta will write to you about your proposed visit to Milan.

With kindest regards.

Sincerely yours,

R. Lamma (secretary to Prof. Natta)

Telegrams & Cables: PICKETT, TENTERDEN *Telephone:* BIDDENDEN 265

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THE MONTHLY JOURNAL OF THE RUBBER AND PLASTICS INDUSTRY

Editorial Office

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ENGLAND.

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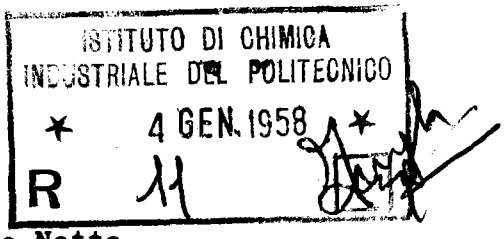


1st January, 1958.

Professor Giulio Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

Dear Professor Natta,

I wanted to send you my special thanks for the very fine Christmas card you sent me. My Wife and I think it is quite the most beautiful one we have ever seen. We very much appreciate your kind thoughts.

I do hope that you will be able to contribute an article to our Journal during 1958 on propylene polymers and copolymers, with particular reference to plastics and fibres. We should naturally be happy to pay you author's fees. If you should be visiting this country again, I shall naturally look forward to seeing you.

With my very best wishes for a happy and successful New Year,

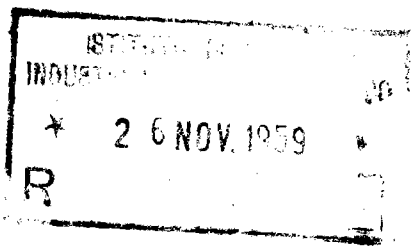
Yours sincerely,

Alan Pickett.

1959

ION EDELEANU
55 PARK LANE (APT. 103)
LONDON W. 1.
TEL. GROSVENOR 2172.

24th November, 1959.



Dr. R. Lamma,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci, 32,
Milano, Italy.

Dear Dr. Lamma,

I acknowledge the receipt of your letter of the 12th November, and I am most grateful for the text of Professor Natta's lecture which I received yesterday. I had a copy made immediately, and the original is being returned to you herewith.

Please convey to Professor Natta my greetings and grateful thanks.

I remain, with best regards,

Yours sincerely,

Ion Edeleanu

Ion Edeleanu.

Encl.

IE/PP

Nov.12, 1959

Dr. Ion Edeleanu,
55 Park Lane (Apt.103)
London W.1. (England)

our ref.1158/lv

Dear Mr.Edeleanu,

I forwarded your letter of Nov.3 to Professor Natta who is still in Germany.

Professor Natta charged me to send you (under separate cover) a copy of his lecture presented at Wiesbaden. I wish you could promptly return it to me. In any case, you will find it published in the next month's issue of "Makromolekulare Chemie".

With my best regards, I remain,

Yours sincerely

Dr.R.Lamma
(the secretary)

ION EDELEANU
55 PARK LANE (APT. 103)
LONDON W. 1.
TEL. GROSVENOR 2172.

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
5 NOV. 1959
R 1158

3rd November, 1959.

Prof. Giulio Natta,
Istituto Politecnico,
Piazza Leonardo da Vinci 32,
Milano.

Dear Professor Natta,

The other day I tried to reach you by telephone, and learned that you were away in Germany. The object of my call was to seek a copy of the paper which you presented at Wiesbaden. If you would agree to this request, I should be most grateful. If you do not have copies available, I would arrange to make a photostat of the original text and promptly return it to you.

With my best greetings, I remain,

Yours sincerely,

Ion Edeleanu

Ion Edeleanu.

IE/PP

ION EDELEANU
55 PARK LANE (APT. 103)
LONDON W. 1.
TEL. GROSVENOR 2172.

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
* 14 GEN. 1959 *
R 37

12th January 1959

Professor G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
Milano, Italy.

Dear Professor Natta,

I am due to be in Milano on Monday 19th January until Thursday, 22nd January and I am glad to inform you that I have an appointment with Mr. Giustiniani for Tuesday, 20th January in the morning.

Obviously I would not like to visit Milano without a meeting with you and therefore on Monday morning (January 19th) I shall telephone your office (292.125) to arrange an appointment with you. Should you be away I shall call Miss (Dr.) Lamma who may know from you if and when my visit would be agreeable.

Your answer could not reach me by mail since in a couple of days I am proceeding from here to the Continent for some other visits before arrival in Milano.

With best regards,

Very sincerely yours,

Ion Edeleanu

Ion Edeleanu

Tenuy presente

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★ 17 GEN 1959 ★
R 57

TRINIDAD HOUSE,
OLD BURLINGTON STREET,
LONDON, W. I.

January 15, 1959.

Professor G. Natta,
Instituto di Chimica Industriale,
Politecnico di Milano,
Milano,
Italy.

Dear Professor Natta:

Please pardon my delay in expressing my sincere thanks for the kindnesses and courtesies extended to me on my visit with you on December 2. My long business trip, a holiday at Christmas time, and the usual rush of work in a New Year have prevented an earlier letter.

It was most interesting for me to visit with you and to learn of your many activities. Dr. Lido Porri was a most courteous and excellent guide. In a separate letter I have provided Dr. Porri with a booklet on butadiene chemistry which was prepared by Texas-U.S. Chemical Company. It is assumed that you will communicate with me whenever you feel that Texaco can be of assistance.

Again my many thanks for your courtesies. It is my hope that we may continue to meet.

Very truly yours,

John W. Hutcheson

JOHN W. HUTCHESON
European Technical Representative
(Texaco)

JWHn-DMB

R. S. COLBORNE
B.SC., A.R.C.S., D.I.C., F.R.I.C., M.I.CHEM.E., F.P.I.
PHONE: ORPINGTON 24779

"THE FIRS,"
ORPINGTON ROAD,
CHISLEHURST,
KENT.

IST... INDU...NICO
31 GEN. 1959
R 121

29th Jan. 1959

Prof. G. Natta,
Politechnica (Chimica Industriale)
Piazza Leonardo da Vinci
Milano.

Dear Prof. Natta,

On my return to England I am writing to thank you for giving me an appointment on Tuesday last, especially as it was at short notice and you very kindly answered my questions in English.

I am keeping in close touch with the published research on stereospecific polymers and I look forward to the appearance of yet more of your outstanding contributions.

Again with my best thanks, I am

yours sincerely,

R. S. Colborne

Dec. 16, 1959

Prof. H. Stephen,
79, Hurst Rise Road,
Cumnor Hill,
Oxford (England)

1274/lv

Dear Professor Stephen,

I wish you could inform me in which issue of Tetrahedron will be published the work:

"G. Natta, G. Mazzanti: Organometallic Complexes as Catalysts in Ionic Polymerization".

It would be very kind of you to send me the reprints of this work as soon as possible, preferably within the beginning of January.

Waiting for your kind reply on this matter, I remain

Sincerely yours,

G. Natta

BY AIR MAIL
PAR AVION
AIR LETTER
AEROGRAMME

OXFORD 1959



Professor G.Natta,

Istituto di Chimica Industriale

Del Politecnico

Piazza Leonardo da Vinci 32

Milano

Italy

First fold here

Second fold here

ATTENZIONE!

Sender's name and address: W.Stephen,

79,Hurst Rise Rd.,

Cumnor Hill,

Oxford.

MILANO 7-8 23 1959

AN AIR LETTER SHOULD NOT CONTAIN ANY ENCLOSURE; IF IT DOES IT WILL BE SURCHARGED OR SENT BY ORDINARY MAIL.

Inghilterra

Robinson & Ultrahedron

controllare lettere precedenti

79, Hurst Rise Rd.,
Cumnor Hill,
Oxford.
21-9-59.

Re: "Organometallic Complexes as Catalysts in Ionic Polimerizations."

Dear Professor Natta,

I have no record of having written to you on September 9th, My last communication to you concerning the above paper was July 29th, and your reply to this letter was received early in August.

In this letter you justified the use of a full line to indicate the bridge-bonds existing in electrodeficient molecules. As Sir Robert wished these valencies to be indicated by broken lines and you agreed to this, I gave instructions accordingly to Mr Stuart at Pergamon Press.

Your paper was handed in for publication on August 6th 1959, and any further modifications to your figures will now be too costly to undertake. You should be receiving the proofs shortly, and I hope the paper and figures will be to your satisfaction.

Kindest regards,

Yours sincerely,

Henry Stephen Stephen

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
* 23 SET 1959 *
R 1022

Sept.11, 1959

Professor H.Stephen,
79 Hurst Rise Road,
Cummor Hill,
Oxford (England)

our ref.990/lv

Re: "Organometallic Complexes as Catalysts in Ionic Polymerizations".

Dear Professor Stephen,

from your letter of Sept.9, I learn that the "cliché" of figure 2 in which the co-ordination valencies were indicated with a full line is ready. I think you may utilize it, owing to the fact that people experienced in the field of complexes use to indicate the co-ordination valencies, most frequently, with full lines.

If you think it is preferable to modify figure 2 indicating the Ti/Al bond with an arrow, thus specifying that it is a dative bond, in which an electron pair is given to Al in order to reach the tetrahedral co-ordination, I send you a new drawing for this figure.

With regard to your letter of July 29 and following up my letter of July 31, I wish to inform you that I have the scheme of reaction indicated in figure 3 (page 18 of our manuscript) modified. According to the advice of Sir Robinson, we showed the bridge valencies between Ti and Al with dashed lines.

I wish you could let me know the issue in which the Note will be published, and send us the proofs as soon as possible.

With my best regards.

G.Natta

July 31, 1959

Professor H. Stephen
79 Hurst Rise Road,
Cumnor Hill,
Oxford (England)

our ref. 896/lv

Dear Professor Stephen,

many thanks for your letter of July 29, concerning two figures of our paper "Organometallic Complexes as Catalysts in Ionic Polymerizations".

As a general rule, nowadays, most chemists studying complexes, and also the organic chemists use a full line to indicate the bridge-bonds existing in the electrondeficient molecules, such as, for instance $Al(CH_3)_3$, and the polymeric Be alkyls, in which the coordination number of Al and Be is 4, and participates with ora electron to the two bonds with two different metal atoms.

Besides, chemists working in the field of complexes, often use full lines to indicate the coordination valencies which may assume a value higher than the one of the normal chemical valencies of the coordinating factors.

I quote some well known treatises: J. C. Bailar, The Chemistry of the Coordination Compounds, Monograph Series No. 131, 1956, p. 18; in chlorides of aluminum and rhenium, it is shown with a full line a chloride atom bound with two coordination valencies to an aluminum with a coordination of 4. In the above-mentioned book all the bridge-bonds are indicated with a full line.

However, if Sir Robinson wishes that these valencies be indicated with broken lines, I shall agree with him.

Owing to the fact that I am leaving Milan today on holiday and that the Institute keeps closed till August 24, it is impossible for me to have all the figures re-drawn now. If you can change the full lines into broken ones, please do it. Otherwise you can send me the glazings after the 24th of August, and I shall send you them all corrected by return of mail.

With my best regards.

G. Natta

TETRAHEDRON

The International Journal of Organic Chemistry

Professor H. Stephen
79 Hurst Rise Road
Cumnor Hill
Oxford

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
* 31 LUG 1959 *
R 896

29th July 1959.

Dear Professor Natta,

Your paper "Organometallic Complexes as Catalysts in Ionic Polymerisations" has been edited and is ready to go to the printers, but Figures 2 and 3 are giving us some trouble. In Fig. 2 Aluminium as represented is tetravalent and in Fig. 3 Aluminium is again represented and Carbon as pentavalent. I am anxious that your paper should have no defects. I have been unable to contact Sir Robert Robinson who is away on vacation untilAugust 17.

Could you let me know precisely how you want the the Figs. presented, so that blocks can be put in hand immediately.

Yours sincerely,

Henry Stephen

Published by Pergamon Press — London, New York, Paris, Los Angeles

25 maggio 1959

Mr. G. Allen
The University of Manchester
Department of Chemistry
MANCHESTER 13 G.B.

our ref. 304/59

Dear Mr. Allen,

with reference to your letter dated 2.3.1959 concerning the data on the physical properties of crystalline polymer you are collecting, I am sending you under separate cover some abstracts from our works among which you can fing the data you are interested in.

I am sending you also a table of a paper which is in press.

I shall send you in a short time some other papers which are being published.

Please pass my best regards to Prof. Cee.

Yours faithfully

G. Natta

Spectra: 252 - 246 - 209 - 279 - 213 - 284

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
* - 5 MAR 1959 *
R 304

THE UNIVERSITY OF MANCHESTER,
DEPARTMENT OF CHEMISTRY,
MANCHESTER, 13.

TELEPHONE: ARDWICK 3333

GA/GK

lunedì 16

2nd March, 1959

Professor G. Natta,
Istituto di chimica Industriale del Politecnico,
Piazza Leonardo da Vinci, 32
MILANO
Italy.

Dear Professor Natta,

We are collecting data on the physical properties of crystalline (particularly isotactic) polymers, as part of a programme for correlating the physical properties and chemical structure of polymers.

We are mainly interested in equilibrium properties such as coefficients of thermal expansion, compressibilities, solubilities (over a temperature range if possible), specific volume-temperature curves, melting points, etc.

I would be very pleased to receive any data which you have available.

Yours faithfully,

G Allen

G. Allen.

Corradini

Mandare estratti:
279
252
213
209
284 246

cinici (mmm!) Vd bene con Yanti

– estratto su polietilene (Damusso ecc.)
Dire che per il momento possono prendere dati da questi lavori.
Faremo seguire tra breve qualche altro estratto di lavori in pubblicazione.
Dirgli di salutare il prof. Gee –

Inglese -

18 Giugno 1959

Egr.Ing.A.GIACHIN
10 Upper Grosvenor Street
L O N D O N W.1. - England

Rif.N.678/rl

Egregio Ingegnere,

con riferimento alla Sua gentile lettera del 2 giugno, relativa alla proposta di pubblicare un estratto su "The New Scientist" della conferenza che ho tenuta alla Fiera di Milano, desidero informarLa che si tratta di una conferenza di carattere più divulgativo che scientifico. Non so quindi se convenga pubblicarla, sia pure come estratto, su una rivista inglese.

L'articolo sarà pubblicato su "La Chimica e l'Industria" del prossimo luglio, ed ho richiesto una copia delle bozze di stampa che Le invierò prima della pubblicazione, in modo che Lei possa rendersi conto della opportunità di farne un riassunto.

Molti cordiali saluti.

G.Natta

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG. LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 2 Giugno, 19 59.

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
4 GIU. 1959
R 678

Preg.mo Signor
Prof. Giulio Natta,
Politecnico di Milano,
Piazza Leonardo da Vinci,
Milano.

Gentilissimo Professore,

La ringrazio per la cortese Sua del 15 Maggio u.s., nonchè per la copia della corrispondenza da Lei scambiata con Sir Robert Robinson.

Da essa rilevo che il programma per la Loro visita in Scozia è demandato completamente al Loro ospite e perciò, mi limito a restare a Sua disposizione per quanto potesse occorrerLe.

Ho letto recentemente la notizia di una conferenza da Lei tenuta sulle fibre polipropileniche e, dipendentemente da varie richieste ricevute, La pregherei di considerare l'opportunità di farne pubblicare un estratto su "The New Scientist" che rivela un notevole interesse all'argomento.

Tale periodico rivolge particolarmente la propria attenzione alla tecnica di produzione, nonchè alle proprietà fisiche e tessili della fibra stessa e desidererebbe eventualmente un breve articolo di circa 200 parole.

Le sarò grato se, di concerto col Signor Ing.Giustiniani, Ella vorrà considerare l'opportunità di dare seguito a tale richiesta e, mentre La ringrazio, La prego di gradire i miei più vivi ossequi.

A Giachin

Inghilterra

9 giugno 1959

Dott. Ing. A. Giachin
10 Upper Grosvenor Street
London W 1 (G.B.)

ns.rif. 590/eg

Egr. Ingegnere,

La ringrazio molto della fotocopia dell'articolo che mi ha inviato e per la sua premura nel tenermi al corrente su quanto mi può interessare.

Molti cordiali saluti.

G. Natta

DOTT. ING ANTONIO GIACHIN

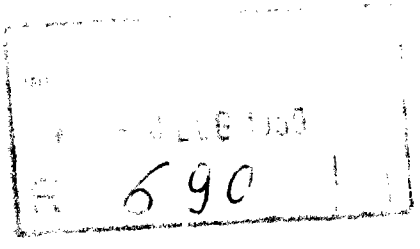
TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 4 Giugno, 19 59.



Preg.mo Signor
Prof. G. Natta,
Polutecnico di Milano,
Piazza Leonardo da Vinci,
Milano.

Gentile Professore,

ritenendo possa interessarLa, in allegato Le invio fotocopia di articolo apparso sul "Chemical Age" del 30 Maggio u.s., aggli argomenti:

- Polybutadiene or Polyisoprene?
  Ethilene-Propylene Copolymer.

Con i migliori ossequi,

A. Giachin

un allegato.

15 maggio 1959

Inghilterra

Dott. Ing. A. Giachin
10, Upper Grosvenor Street
L o n d o n W 1

ns. rif. 512/eg

Egr. Ingegnere,

ho ricevuto una lettera da parte di Sir Robinson di cui le invio copia. Pure mia moglie ha ricevuto una gentile lettera da parte di Lady di Sir Robinson.

Io sarei del parere di seguire completamente i consigli del Prof. Robinson per quanto riguarda la mia permanenza in Iscozia e le visite da farsi. Scriverò in questo senso nei prossimi giorni al prof. Robinson.

I migliori saluti.

G. Natta

P.S. La ringrazio degli stralci di Chimica l Age da Lei inviatimi

All/

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG, LDN.

CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 24. Aprile 1959.

Preg.mo Signore
Prof. Giulio Natta
Via M. Pagano, 54
M i l a n o

Egregio Professore,

la cortese Sua del 20 u.s., N.492/rl indirizzata al 10, di Grosvenor Street, mi è giunta solo stasera e quindi non in tempo per mettermi in contatto con Sir Robert prima della fine della settimana.

Dovrò rimandare tutto a Lunedì e Le scrivo soltanto per ringraziarLa e per anticiparLe il ritardo nella risposta.

Ho visto anche recentemente il Prof. Robinson che ha avuto espressioni assai lusinghiere nei Suoi riguardi e si è molto interessato a Lei e ai Suoi.

Mi riservo, dunque, di esserLe preciso e colgo l'occasione per inviare a Lei e alla gentile Signora Natta i miei migliori ossequi.

A. Giachin

Fugh.

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG, LDN.

CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 24 Aprile, 1959.

523

Preg.mo Signor
Prof. G. Natta,
Politecnico di Milano,
Piazza Leonardo da Vinci,
Milano.

Gentilissimo Professore,

Ritenendoli di Suo interesse, in allegato mi pregio inviarLe copie di articoli apparsi sul "Chemical Trade Journal" di oggi, agli argomenti:

- Cross-Linked Polymers,
- Rubbery Polymers from Acetaldehyde.

Distinti saluti.

A. Giachin

due allegati.

Lambra
Ricevo un notizia
[illegible] relativa al
elenco di polivinil
[illegible], di [illegible]
[illegible]
[illegible]
Allegati ... I

Stralcio dal "Chemical Trade Journal" del 24/4/59.

CROSS-LINKED POLYMERS.

The possibility of the production of vinyl chloride polymers of greater tensile strength, insolubility and infusibility than hitherto obtainable is opened up by recent work at the Tube Investments Research Laboratories at Hinxton Hall, Cambridge. It has been known for some years now that subjection to ionising radiation induces cross-linking in certain polymers such as polyethylene and polyvinyl chloride, and Hinston Hall is one of the main centres at which work on the development of this process is in progress in this country. So far as PVC is concerned, however, difficulties have been encountered because under the conditions in which radiation-induced cross-linkage is best effected there is some deterioration of the PVC owing to dehydrochlorination and discoloration. If the needed degree of cross-linking could be induced by a milder, and also less costly radiation treatment the position should be altered and it is in this field that the recent discovery has been made. This finding is that diallyl and triallyl esters incorporated in small amounts in the vinyl chloride act as "sensitisers" and enable the production of the stronger cross-linked polymers under conditions such that the undesired side effects are avoided or greatly minimised. The preliminary announcement on this research is made in a letter to "Nature", of April 18, by S.H. Pinner, of Hunxton Hall, who also discusses the probable mechanism of the process.

Stralcio dal "Chemical Trade Journal" del 25 Aprile, 1959.

RUBBERY POLYMERS FROM ACETALDEHYDE.

A new elastomer has recently been synthesised by polymerising acetaldehyde in the presence of aluminium oxide catalyst by Junji Furukawa, Kyoto University, Japan. The new compound is said to be of unusual composition, potentially low price and high heat resistance (exceeding that of SBR). Manufacturing costs are estimated by Furukawa at 12-15 cents/lb - about hald the cost of natural or styrene-butadiene rubbers.

Chemically the product is related to Du Pont's polyformaldehyde, Delrin. Du Pont report that they have also synthesised rubbery polymers based on acetaldehyde. Elastomeric characteristics are stated to be the result of long, coiled molecules. Because it lacks unsaturation in its molecule, polyacetaldehyde rubber would have to be cured by irradiation or other non-sulphur techniques. At present, the company states, the right combination of stability, quality and cost have not been found for commercial exploitation.

Privilegiato.

20 Aprile 1959

Egr.Ing.A.GIACHIN
10, Grosvenor Street
L O N D O N W.1 - England

Rif.N.492/rl

Egregio Ingegnere,

desidero informarLa che il giorno 8 Luglio dovrò essere a Glasgow, essendo stato invitato ufficialmente all'Annual Dinner della Società Chimica Inglese. Credo che ci sarà anche il Prof.Ziegler. Verrà anche mia moglie, perchè approfitterà di questa occasione per accompagnare mio figlio quindicenne a Oxford, dove resterà un mese ospite presso una famiglia.

Pensiamo di venire a Londra sabato o al più tardi domenica 5. Le sarei grato se Lei potesse essere tanto gentile da fissarci l'alloggio a Londra (a Glasgow me lo fisserà la Società Chimica Inglese) e di proporci un itinerario per una breve visita della Scozia, che non conosciamo.

Poichè l'invito ufficiale della società chimica inglese è stato proposto dal prof. Robinson, Le sarei grato se potesse telefonare al prof. Robinson e informarmi sui caratteri di questo meeting della società chimica di Glasgow. In particolare gradirei sapere quando è consigliabile che arrivi a Glasgow e sino a quando dovrei rimanere. Il prof. Robinson come Lei ricorderà, era stato abbastanza aggressivo durante la discussione che è seguita alla mia conferenza del '57 a Londra ma ora si è completamente ricreduto e si è espresso in più riprese, durante i congressi e in sue pubblicazioni, in modo molto lusinghiero per quanto riguar-

./.

da i nostri lavori.

Io penso che non dovrò fare nessun discorso durante questo meeting. In ogni caso, se sarà necessario dire qualche parola durante il banchetto, gradirei poterlo sapere in anticipo. Le sarei grato se potesse consultare il prof. Robinson in proposito. Credo che si possa trovare il prof. Robinson al seguente indirizzo :

170, Piccadilly
London W 1

Grazie e cordiali saluti.

Prof. G. Natta

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG. LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 4 Maggio, 1959.

ISTITUTO DI
INDUSTRIALE
* 8 MAG 1959
R 570

Preg.mo Signor
Prof. G. Natta,
Politecnico di Milano,
Milano.

Egregio Professore,

dalla cortese Sua del 30 Aprile u.s. rilevo che Ella non è in possesso del programma della Society of Chemical Industry relativo alla 78.ma Assemblea Generale dell'Organizzazione, e perciò mi premuro di inviarGliene copia, riservandomi di far seguire altri particolari che eventualmente dovessero pervenirmi da Sir Robert Robinson.

Ho parlato con lui al telefono ed egli mi ha precisato che benchè l'invito a Lei rivolto si riferisca particolarmente al banchetto della sera dell'8 Luglio, al quale anche la gentile Signora Natta è invitata, la Sua partecipazione ai lavori e alle visite di cui all'unito programma sarà quanto mai gradita.

Naturalmente, Sir Robert ha sottolineato che il punto fondamentale è di sapere se i vari temi possano essere di interesse per Lei. Ovviamente, Ella non sarebbe tenuta a partecipare alle riunioni di carattere amministrativo.

In sostanza, Sir Robert, a parte l'onore e il piacere di ospitare Lei e la gentile Signora Natta la sera dell'8, vorrebbe fornire Loro un'occasione per vedere qualche cosa in Iscozia che sia anche di carattere naturale e non soltanto industriale o tecnico.

Penso pertanto che ogni Sua decisione dovrebbe essere presa dopo consultato il programma dei lavori e delle visite, tenendo ben presente il sincero desiderio di Sir Robert di averLa tra loro per tutto quanto dovesse essere interessante per Lei e per la Signora Natta.

./.

seguito alla lettera del 4 Maggio 1959 al Sig.Prof.Natta, Milano.

Dato quanto precede, rimando la preparazione di un itinerario turistico della Scozia a quanto Ella dovesse decidere sulla base di queste mie informazioni.

Voglia tener presente che l'abito prescritto per il banchetto dell'8 Luglio è il frac, eventualmente con decorazioni.

Colgo l'occasione per precisarLe che ho prenotato una stanza doppia e una stanza singola al Grosvenor House a partire dalla sera del 5 Luglio e fino alla mattina del 7, e ciò tenendo presente quanto precisatomi dalla Segretaria della Society of Chemical Industry relativamente al Suo divisamento di arrivare a Glasgow la sera del 7 Luglio.

Ho notato il poscritto alla fine della Sua lettera e penserei di chiarire con un pò di diplomazia la cosa direttamente con Sir Robert che desidererei andare a ringraziare personalmente non appena Ella dovesse aver preso una decisione circa il programma.

Mi creda, con ogni migliore ossequio,

A. Giachin

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG. LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 6 Agosto, 19 59.

Preg.mo Signor
Prof. Natta
Grosvenor House,
Park Lane,
London, W.1.

Gentilissimo Professore,

sono davvero desolato di non trovarmi a Londra nemmeno questa volta al Suo arrivo in questa città. La prego comunque di rivolgersi al mio Ufficio per ogni necessità e di accogliere i miei migliori ossequi, che La prego di estendere anche alla gentile Signora Natta.

A. Giachin

Inglis. Gordon

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
* 11 MAG 1959 *
R

Newton Farm House
Millerhill
Dalkeith
Midlothian
May 9th, 1959

YOUR REF 460/lv

Dear Professor Natta,

Many thanks for your letter of May 6th and for sending me the reprints which I requested.

I regret that there must have been an error in my notes regarding the paper in Atta Linc. 1958. Unfortunately I shall not be able to check this until my next visit to London, which may be in a month or two's time. I may then write you again.

With my sincere thanks for the trouble you have taken

and kind regards,

Yours sincerely,

M. Gordon

M. Gordon , D Sc

Professor G. Natta,
Istituto Chimica Industriale
Politecnico
Milano

Vedere con [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

May 6, 1959

Manfred Gordon, D.Sc.
Newton Farm House,
Dalkeith,
Midlothian,
Scotland.

our ref. 460/lv

Dear M. Gordon, D.Sc.,

with regard to your letter of April 9, I send you (°) the reprints you are interested in.

I regret that I could not find the paper quoted as: Atta. Linc., Class. fis. mat. nat., Ser. 8, 355, 1958. I shall make further researches if you are as kind as to control the references and send me the title in full.

Waiting for your reply I send you my best regards.

Sincerely yours,

p.p. Prof. G. Natta
the secretariate.

(°) under separate cover.

ISTI... INDU...
13 APR 1959
R 460

Newton Farm House,
Millerhill,
Dalkeith,
Midlothian,
Scotland.
9th April, 1959

Dear Professor Natta,

I am prpparing to give a lecture at Manchester University this June on Stereospecific Polymerization and Tactic Polymers. The lecture will be published as a chapter in a book to be published by Butterworths. In this connection it would help me greatly if you could kindly let me have reprints of the papers listed below:

~~197~~ – Makromol. Chem., 18-19, 455, 1955
~~184~~ – Makromol. Chem., 16, 213, 1955
~~208~~ – Makromol. Chem., 1956, 21., 240
~~262, 290~~ – J. Polymer Sci., 34, , 3, 13, and 21, 1959
~~320~~ Atta. Linc., Class. fis. mat. nat., Ser. 8, 355, 1958. — ?
~~282~~ – Chem. e Ind., 1958, 40, 896. (already requested in my recent letter).
Chem. e Ind., 1957, 39, 993 and 1002
241 Ang. Chemie, 1959, 71, 205.
240
~~314~~
313

To help me to give a balanced and up-todate account of your interesting researches I would be glad to receive preprints or reprints of papers in this field in the future.

I will write you again later to ask your permission to reproduce some diagrams from your papers in the book mentioned above.

With my very best thanks in advance and kind regards,

Yours sincerely,

M Gordon

Manfred Gordon, D.Sc.

Professor G. Natta,
Istituto Chimica Industriale,
Milano,
Italy

inviare tutti gli estratti ed altri
confermare SPE

January 29, 1959

Dr. A.E. Laurence
Minnesota Mining &
Manufacturing Co.,
Central Research Dept.,
Wigmore Street
London W.1 (England)

110/mb

Dear Dr. Laurence,

This is in reply to your kind letter of January 27.

You can telephone me soon as you arrives and, if I am able to meet you, I will do it with great pleasure.

With my best regards,

Yours sincerely,

Prof. G.Natta

MINNESOTA MINING AND MANUFACTURING COMPANY

CENTRAL RESEARCH DEPARTMENT
3M HOUSE
WIGMORE STREET
LONDON, W.1, ENGLAND
TELEPHONE HUNTER 5522

January 27, 1959
(dict. Jan. 26)

L.O./2E-65

Prof. G. Natta,
Instituto di Chimica Industriale,
Politecnico di Milano,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

Dear Prof. Natta,

I was sorry to learn today from my friend, Ion Edeleanu, that you have been working a little too hard in the past and are under orders not to have too many foreign visitors asking too many questions. Nevertheless, I thought I wanted to drop you a line in case you do happen to be in Milano on Saturday, February 7, and free to have a chat with me in the afternoon. However, I would fully understand if you would prefer me to postpone my visit, although I would certainly like to hear more about the very interesting new butadiene polymer and elastomer which Ion mentioned.

May I telephone you at your home address, which you once gave me in the past, after my arrival at the Palace Hotel on Saturday afternoon to find out whether I can have the pleasure of seeing you?

With kind personal regards,

Yours sincerely,

A.E. Laurence

Dr. A.E. Laurence
Manager, European Office
Central Research

AEL/MAM

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National College of Rubber Technology

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T. J. DRAKELEY
C.B.E., D.Sc., Ph.D., F.R.I.C., F.I.R.I.

HEAD OF THE NATIONAL COLLEGE
F. H. COTTON
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R. H. CURRELL
A.C.A.

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
16 APR. 1959
R 471

Northern Polytechnic
Holloway
London, N.7.

TELEPHONE: NORTH 4231

FHC/EJW

14th April, 1959.

Professor G.Natta,
Instituto di Chimica Industriale del Politechnico,
Piazza Leonardo da Vinci 32,
MILAN. Italy.

Dear Professor Natta,

We would like to thank you for allowing us to visit your Institution last week. We spent a most instructive and enjoyable morning and greatly appreciated your giving us your valuable time. We would be pleased if you would be good enough to give our thanks to your students, who showed us round so expertly and then entertained us afterwards.

I hope I shall have the pleasure of meeting you again.

With best wishes,

Yours sincerely,

K J Saunders

(K. J. SAUNDERS)

March 9, 1959

Mr. K. J. Saunders
National College of Rubber Technology
Northern Polytechnic
Holloway - London N.7 - England

Rif. 303/rl

Dear Mr. Saunders,

I have received your letter of March 3, and I agree with pleasure with the date you scheduled for visiting my Institute. Only I would rather prefer, and I find it most advisable for yourselves too, that your party is split into three groups; each of them might come in successive order, from 9.30 a.m. to 10.30 the first; from 10.30 to 11.30 the second and from 11.30 to 12.30 the last one.

Glad to have the pleasure of meeting you, I remain,

Yours sincerely,

(Prof. G. Natta)

National College of Rubber Technology

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
* 5 MAR 1959 *
R 303

DIRECTOR
A. S. M. SYMONS
Ph.D., B.Sc., A.R.C.S., D.I.C., F.Inst.P

HEAD OF THE NATIONAL COLLEGE
F. H. COTTON
Ph.D., M.Sc., F.R.I.C., F.I.R.I.

CLERK TO THE BOARD OF GOVERNORS
R. H. CURRELL
A.S.A.A.

Northern Polytechnic
Holloway
London, N.7.

TELEPHONE: NORth 4231

KJS/GW

3rd March, 1959.

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milano,
ITALY

Dear Sir,

Mr. K. L. Johnson has asked me to thank you for your letter of 22nd December, 1958 and I should like to take this opportunity to introduce myself. I shall be leading our party in their visit to Italy and I am looking forward to the pleasure of meeting you and to seeing something of your laboratories. It is most kind of you to give us this privilege.

I confirm that we should like to visit you on Wednesday, 8th April. Our party will number 16 and I am wondering if this is too many for you to deal with safely. We should all like to come to your Institute in the morning, say at 9.30 a.m., but if it would be more convenient for you, we could split the party into groups on arrival. We shall bepleased to fit in with any suggestions you may care to make.

I am enclosing a list of the names of the members of our party.

With best wishes.

Yours sincerely,

K. J. Saunders,
Lecturer in Polymer Chemistry.

3 gruppi
ad 1 ora
9½
10½
11½

22th December 1958

Mr. K.L. Johnson, B.Sc., A.I.R.I
National College of Rubber
Technology
Northern Polytechnic

Holloway, London, 7 (England)

Ref.n.1339/el

Dear Mr. Johnson,

with reference to your letter of December 12, I agree with the date you set aside to visit my Institute, that is on April 8. Only I wish you to know that, for safety reasons, due to the kind of work which is being performed in few laboratories of our Institute, it would be preferable that the visit take place by very small groups of persons at a time.

Should your party be more numerous, it should be advisable to split them up in many groups.

We also agree, since now, with the time you will find more convenient for the visit.

Best regards,

Yours faithfully,

(Prof. G.Natta)

Mr. K.L.Johnson, B.Sc., A.I.R.I.
National College of Rubber Technology
Northern Polytechnic
Holloway - London, 7

Dear Mr. Johnson,

con riferimento alla Vs. lettera del 12 dicembre, Vi informo che la visita nel mio Istituto potrà essere effettuata il giorno 8 aprile. Vi comunico però che per ragioni di sicurezza, dato il genere di lavoro che si svolge in certi laboratori presso questo Istituto, sarebbe preferibile la visita venisse effettuata con gruppi di 3-4 persone per volta. Nel caso che il Vs. staff fosse un numero superiore, occorrerebbe dividerlo in due o tre gruppi.

(Saluti)

National College of Rubber Technology

DIRECTOR
A. S. M. SYMONS
Ph.D., B.Sc., A.R.C.S., D.I.C., F.Inst.P.

HEAD OF THE NATIONAL COLLEGE
F. H. COTTON
Ph.D., M.Sc., F.R.I.C., F.I.R.I.

CLERK TO THE BOARD OF GOVERNORS
R. H. CURRELL
A.S.A.A.

Northern Polytechnic
Holloway
London, N.7.

TELEPHONE: NORTH 4231

INDUST...
* 15 DIC. 1958 *
R 1339

KLJ/GW

12th December, 1958.

Istituto di Chimica Industriale,
Il Politecnico,
Piazza Leonardo da Vinci 32,
Milan,
ITALY

Your ref: 1121/MB

For the attention of Professor G. Natta.

Dear Sir,

We thank you for your letter of October 22nd, and have set aside Wednesday, 8th April, 1959, for a visit to your establishment by a part of our students and staff. We should be glad to know at what time it would be convenient for our party to reach you. It would help us to finalise our programme if we know approximately how long we may expect to be with you.

Thanking you again for your courtesy in this matter.

Yours faithfully,

K. L. Johnson.

K. L. Johnson, B.Sc., A.I.R.I.,
(Lecturer in Physical Testing).

22nd July 1959

Inghilterra

Sir. R. Robinson
170, Piccadilly
London W.I.
(Inghilterra)

our reference 865/eg

Dear Sir Robinson,

I apologize for not having thanked you earlier for all your kindness during our stay in England and for having planned our trip to Scotland. My wife and I enjoyed it very much indeed, and we both agree considering Scotland an extremely picturesque place. I also thank you for the excellent lunch you kindly offered us in London.

I was very pleased to meet Mr. and Mrs. Maxwell: I am sorry that you will not be able to come and see us at Champoluc in the Summer, but I do hope you will find another opportunity to come. My wife will spend also the month of September up there, while I think I shall go during the week-ends.

Thanking you again I send you my best regards.

G.Natta

Nov. 24, 1959

Anglia Trans

U.K. Atomic Energy Authority
The Radiochemical Centre,
Amersham, Bucks, England

our ref. 1203/lv

Gentlemen,

We need heavy water (title > 99%) for scientific work and we hope you can supply us with it.

For the present we wish an amount of 100 gms, supplied in ampoules of 25 cc. maximum, but preferably less.

If it is available, we should be very grateful to you for an early delivery.

Very truly yours,

Prof. G. Natta

Principal
P. F. R. VENABLES,
Ph.D., B.Sc., F.R.I.C.

Highfield.

COLLEGE OF TECHNOLOGY, BIRMINGHAM, 4

Telephone No.: ASTon Cross 3611

Head of Department:
W. G. S. PARKER,
Ph.D., B.Sc., F.R.I.C.

DEPARTMENT OF CHEMISTRY
SUFFOLK STREET, BIRMINGHAM, 1
Telephone No.: Midland 6521

ISTITUTO DI CHIMICA INDUSTRIALE DEL ... R

Your Ref.: 1070/LV

Our Ref.:

HOTEL MÜNCHNERHOF
BASLE.

Dear Professor Natta,

Thank you very much for your letter of 5TH October. I am most grateful to have the opportunity to visit your Institute and I confirm that November 30TH will be convenient.

Yours sincerely,

H. G. Turner.

Oct.5, 1959

A.G.Turner Esq.
c/o 315 Lythalls Lane,
Coventry,
Warwickshire, England

our ref.1070/1v

Dear Mr.Turner,

Professor De Marchi forwarded me your letter of Sept.9, because the researches you are interested in are developed in my Institute.

I am glad to inform you that you are welcome to visit my Institute on November 30.

With my best regards.

G.Natta

Principal
P. F. R. VENABLES,
Ph.D., B.Sc., F.R.I.C.

Please reply to:

C/o 315 Lythalls Lane,
COVENTRY,
Warwickshire,
England.

COLLEGE OF TECHNOLOGY, BIRMINGHAM, 4

Telephone No.: ASTon Cross 3611

Head of Department:
W. G. S. PARKER,
Ph.D., B.Sc., F.R.I.C.

DEPARTMENT OF CHEMISTRY
SUFFOLK STREET, BIRMINGHAM, 1
Telephone No.: MIDland 6521

Your Ref.:

Our Ref.: AGT/DL

9th September, 1959.

Prof. Ing. Dr. Giulio de Marchi,
Politechnico di Milano,
Piazza Leonardo Da Vinci 32,
MILANO,
Italy.

Dear Sir,

I have been awarded a Travel Scholarship by the Trustees of the Plastics Industry Education Fund in order to study 'the use of plastics materials for chemical engineering applications'. It will entail a three month tour of Europe visiting firms and institutes to discuss this subject with the technical staff.

I hope to be in Milan for about ten days from the 25th November. I would greatly appreciate a chance to visit your laboratories. If this would be possible may I suggest Monday 30th November as a suitable date.

Yours faithfully,

A.G. Turner

A.G. Turner
Chemical Engineering Student

THE MANCHESTER COLLEGE OF SCIENCE AND TECHNOLOGY

(Faculty of Technology in the University of Manchester.)

MANCHESTER I · TELEPHONE CENTRAL 3266

PROFESSOR R. N. HASZELDINE, M.A., D.SC., SC.D., F.R.I.C. *Department of Chemistry*

24th January, 1959.

Professor G. Natta,
Instituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

IST... INDUST... 29 GEN. 1959 R

Dear Professor Natta,

I write to acknowledge receipt of the carbonyl that you so kindly sent to us. I am most grateful for your help.

Yours sincerely,

R N Haszeldine

1960

January 29, 1960

I.H.Anderson, B.Sc.,
Chemistry Dept.
Aberdeen.
Scotland

Dear Sir,

with regard to your letter of January 23, I send you, under separate cover, some reprints of my recent works.

With regard to the polymerization of 4-methyl pentene-1, I inform you that we have studied the kinetics of the most important monomers such as propylene, butylene and styrene, and of copolymers; but we have not deeply studied the kinetics of poly-4-methyl pentene-1 which shows a behaviour analogous to that of styrene.

With my best regards.

G.Natta

12/2/60

282 ✓
283 ✓
299 ✓
313 ✓
331 ✓
343 ✓
348 ✓
372 ✓
379 ✓

BY AIR MAIL
PAR AVION
AIR LETTER
AEROGRAMME

ABERDEEN 9 -AM 25 JAN 1960



Prof. G. NATTA,

Instituto di Chimica Industriale

del Politecnico,

MILAN,

Italy.

First fold here

Second fold here

Sender's name and address: I. M. Anderson, B.Sc.,

Chemistry Department,

The University, ABERDEEN,

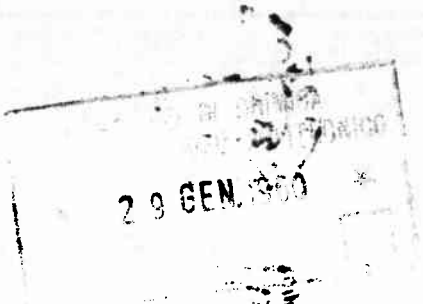
Scotland.

PT aiutateci a servirvi meglio
APPLICATE I FRANCOBOLLI IN ALTO A DESTRA

MILANO ARR. DISTRIBUZIONE 23-24 27-1 1960

AN AIR LETTER SHOULD NOT CONTAIN ANY ENCLOSURE; IF IT DOES IT WILL BE SURCHARGED OR SENT BY ORDINARY MAIL.

I. H. Anderson, B.Sc.,
Chemistry Department,
Aberdeen.
23rd. January, 1960.



Prof. G. Natta,
Milan,
Italy.

Dear Sir,

Last year you very kindly sent me copies of your first four papers on the Copolymerisation of Ethylene with Aliphatic α-Olifins. I read these with great interest and and would be very much obliged if you could send me copies of your subsequent papers in this series.

I have studied your papers on the preparation and properties of isotactic poly-4-Methyl pentene-1, and wonder if you could tell me whether or not you have published any details on the kinetics of this reaction?

Yours faithfully,

Iain H. Anderson

Iain H Anderson.

Inghilterra

November 3, 1960

Dr.C.L.Arcus
Battersea College of Technol
Department of Chemistry
London, S.W.11
(Inghilterra)

Dear Doctor Arcus,

With regards to your letter of October 20, 1960, I am glad to inform you that you may reproduce, in the review on polymer stereochemistry, Fig.3: "Melting temperature of mixtures of isotactic and atactic polypropylenes and of stereoblock polypropylenes having different crystallinity" which appeared in my paper in J.Polymer Sci. 34, 531 (1959), on page 539.

Best regards.

G.Natta

Battersea College of Technology

DEPARTMENT OF CHEMISTRY

London, S.W.11

Head of Department: J. E. SALMON, PH.D. F.R.I.C.

Telephone MACaulay 1031

Our ref: CLA/IWC

Your ref:

20th October, 1960.

Professor G. Natta,
Istituto Chimica Industriale del Politecnico,
MILANO,
Italy.

Dear Sir,

May I please have your personal permission to reproduce, in a review on polymer stereochemistry which I am writing for "Progress in Stereochemistry", Vol.3, Fig.3: "Melting temperature of mixtures of isotactic and atactic polypropylenes and of stereoblock polypropylenes having different crystallinity", which appears in your paper in J. Polymer Science, 1959, 34, p.539?

I understand that the publishers, Messrs. Butterworths, are writing to Messrs. Interscience Publishers for technical permission.

Yours faithfully,

C.L.ARCUS C. L. Arcus.
Reader in Organic Chemistry

Si

February 9, 1960

Mr. J. F. O'Mahoney
Baker Perkins Ltd. Engineers
Peterborough (England)

our ref. 820/lv

Dear Mr. O'Mahoney,

with regard to your letters JFO'M/PAP of June 18, and July 7, 1959, I would mostly appreciate receiving an estimate of your Laboratory Micro Mixer and Masticator.

Looking forwards to hearing from you on the matter, I remain

Sincerely yours,

Giulio Natta

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YOUR

OUR JFO'M/PAP

7th July 1959

820

Professor Dr. G. Natta,
Montecatini,
Milano,
Via F. Turati 18,
ITALY.

Dear Sir,

We refer to our recent letter enclosing details of the Laboratory Micro Mixer and Masticator.

We hope that the particulars contained in the leaflet were of interest to you and we shall be happy to provide any further details which you may require on this equipment.

Yours faithfully,
BAKER PERKINS LTD.

J.F. O'Mahoney

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YOUR

OUR JFO'M/MT

18th June 1959

Professor Dr. G. Natta,
Montecatini,
Milano,
Via F. Turati 18,
ITALY.

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
18 GIU 1959
757

Dear Sir,

We have pleasure in commending to your attention the Laboratory Micro Mixer and Masticator as described in the enclosed leaflet.

This machine was designed by the British Rubber Producers Research Association expressly for research and development work on rubbers and plastics and has found wide acceptance both in this country and in the U.S.A. Its uses have not been limited to the above-named purpose but also have extended in the more recent field of graft polymerisation utilising high shear rates on monomers and polymers.

We trust that you may find it of interest and shall be pleased to supply you with any further information available.

The writer will in fact be visiting your country in early July and would be happy to discuss it in person.

Yours faithfully,
BAKER PERKINS LTD.

J.F. O'Mahoney.

J.F. O'Mahoney.

Enc: Leaflet

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ENGINEERS

AND AT
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PETERBOROUGH · ENGLAND

YOUR 820/lv

OUR DAT/GMS

Inquiries

390 8th April 1960

Prof. Dr. G. Natta,
Istituto Di Chimica Industriale,
Del Politecnico,
Piazze Leonardo Da Vinci 32.
Milan,
Italy.

Dear Sir,

We refer to our letter of 3rd March enclosing our estimate covering the supply of the 2.1/2" Uni- Rotor Mixer.

We are wondering whether you will wish us to reserve for you one of the machines from our current batch of these Mixers and we hope, therefore, that we may have the pleasure of hearing further from you in this respect.

Yours very truly,
BAKER PERKINS LTD.

D. A. Tee.

Crespi

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June 30, 1960

684/lw

Dr. P. E. Brierley,
250 Felmongers,
Harlow, Essex

Dear Dr. Brierley,

I apologize for answering your letter of May 6, 1960 only now.

I am sorry I cannot apply myself to the problem you mention, because the great number of works and engagements I have to finish off at present, do not allow me to add new engagements to those I had previously taken.

With best regards,

G. Natta

250 FELMONGERS, HARLOW, ESSEX
Telephone: Harlow 25169

Confidential

Prof.Dr. G. Natta,
Instituto di Chimiqua Industriale,
Milano, Plazza Leonardo da Vinci.

6th
May
1960

Dear Sir,

As industrial consultant, I have been retained to find a patentee, or producer of a polymeric material equivalent to formaldehyde resin, who is willing to grant a manufacturing licence, with all international safeguards.

If you are able to assist in any way, I shall be glad to fly out to visit you at the earliest possible date, and to arrange for payment of any preliminary fees or expenses.

Any advice or information will be greatly valued, even though it may not appear to have immediate value.

My client id fully informed on the work carried out by Du Pont on Delrin, but hopes that Western European research and development may have something similar to offer within the next few years.

I look forward to your reply and wish to thank you in anticipation thereof.

Yours faithfully,

P.E. Brierley.

11th April 1960

T.R. Swinhoe, Editor
Butterworths Sci. Publication
4-5 Bell Yard
Temple Bar
London W.C.2 (Inghilterra)

ref/391/lv

Dear Mr. Swinhoe,

thank you very much for sending me the first number of "POLYMER".

As a matter of fact, I promised Miss Myskow, whom I had met at Wiesbadan where I could appreciate her kindness to us, to send a contribution to your review. I could not fulfil my promise for lack of time.
In fact, I could only write original works to be published in Italian journals, and send only Communications to the Editor to foreign reviews.

I would like to know how long it will take to have the papers published since the arrival of their manuscripts to your editorial staff, and whether you can publish works which will be completed after their previous publication in Italian reviews, as preliminary reports.

Kind regards.

G. Natta

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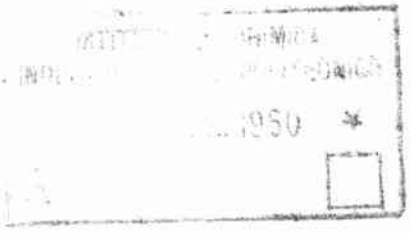
LONDON, W.C.2

TRS/AL

31st March, 1960

Professor G. Natta,
Istituto di Chimica Industriale,
Politecnico di Milano,
Piazza Leonardo da Vinci 32,
Milano,
Italy.



Dear Professor Natta,

I am afraid that we have not been very clever because both I and Miss Myskow, who is responsible for the editorial work on Polymer, have been writing to the wrong address.

I am sending you now the first number of Polymer which I hope meets with your approval. We had hoped to have a contribution from outside Great Britain in the first number and I hope that you will yourself be able to contribute before very long.

Yours sincerely,

T.R. Swinhoe,
Editor,
BUTTERWORTHS SCIENTIFIC PUBLICATIONS.

CONTROLLED BY BUTTERWORTH & CO (PUBLISHERS) LIMITED

19th February 1960

The Research Association of
British Rubber Manufactures
Shawbury, Shrewsbury, Shropshi
(Inghilterra)

Dear Miss Dawson,

According to your request of the following reprint: "Conformation of linear chains and their mode of packing in the crystal state" J.Polymer Sci. 1959, 39, 29, we are sorry to inform you that we have no available copies.

With best regards

(Secretary to Prof.G.Natta)

18 Febbraio 1960

Prof.Francisco Canepa
Chile House
20/24, Ropemaker Street
L O N D O N E.C.2. - Inghilterra

Prot.N.116/rl

Egregio Dottor Canepa,

ricevo la Sua gentile lettera del 30.1.1960. L'impiego del tetraioduro di titanio per la produzione di gomme sintetiche (polibutadiene 1,4 cis) viene effettuato dalla Società Phillips (U.S.A.) che ha chiesto dei brevetti su tale argomento. Tali brevetti probabilmente sono dipendenti da altri brevetti che utilizzano alogenuri di titanio e composti metallorganici per la produzione di polibutadiene.

Risulta inoltre che altri catalizzatori non contenenti iodio possono fornire polibutadiene 1,4 cis a maggiore purezza.

Ritengo perciò dubbio che composti di iodio possano trovare larga applicazione per la produzione di gomma sintetica al di fuori degli Stati Uniti, dove la situazione brevettuale può evolversi (a causa delle leggi americane che favoriscono i brevetti americani) in modo diverso dagli altri paesi.

Per quanto riguarda l'impiego degllo iodio in altre catalisi stereospecifiche, una limitazione può essere causata dall'alto prezzo dello iodio rispetto al bromo ed al cloro, che si accentua se ci si riferisce non al peso ma al peso atomico.

Le sarei grato se Lei potesse darmi delle notizie sulle previsioni del prezzo dello iodio in futuro e se potrà essere possibile avere iodio a prezzo più basso per determinati scopi, la possibilità di impiego dei quali dipende soltanto dal costo.

Molti cordiali saluti.

(Prof.G.Natta)

TELEGRAPHIC ADDRESS:
"SALITREROS, LONDON."

TELEPHONE:
MONARCH 7744 (20 LINES)

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
11 FEB 1960
N. 116

CHILE HOUSE,
20/24, ROPEMAKER STREET,
LONDON, E.C.2.

Londra, 30 Gennaio, 1960.

Pregmo. Prof.
Guilio Natta,
Istituto di Chimica Industriale Politecnico di Milano,
Milano, Italia.

Oggetto : Possibili derivati dello iodio nell'industria delle sostanze plastiche.

Pregmo. Prof. Natta,

mi permetto di ricorrere alla Sua cortesia per consiglio su un problema riguardante il possibile impiego dello iodio in composti ad azione catalitica stereospecifica.

Io lavoro per il Chilean Iodine Educational Bureau di Londra, che é interessato alla ricerca e studio di nuovi composti dello iodio, in vista d'una eventuale futura applicazione industriale.

Il nostro ufficio di New York (U.S.A.), ci ha scritto menzionando che alcune compagnie chimiche americane intendono tentare l'uso di derivati dello tetraioduro di Titanio o ioduro ferroso (o in genere ioduri dei metalli di transizione) come catalizzatori stereospecifici nell'industria della gomma sintetica.

Poiché sono stato incaricato di investigare le possibilitá in questo campo, ho pensato di rivolgermi a Lei quale piú eminente autoritá sul campo della catalisi stereospecifica.

Desidererei sapere se ricerche in questo senso sono state giá eseguite, o sono in programma, nel Suo laboratorio in Milano, o in altri Istituti da Lei conosciuti.

Nel caso che lei ritenesse interessante schiarire la struttura di alcuni di questi derivati per mezzo dei raggi X, il mio Istituto sarebbe disposto a svolgere la ricerca in collaborazione o sotto la guida di esperti de Lei suggeriti.

Attualmente io lavoro a University College, London, sotto la supervisione della Prof. Dame Kathleen Lonsdale, sulla struttura dello ioduro di pentametonio, che spero di completare al piú tardi in sei mesi.

Ringraziandola vivamente per ogni suggerimento che Ella vorrá gentilmente darmi, le invio i miei migliori saluti

F. G. Canepa
Francisco Canepa
Ex-Prof. d'Ottica Sperimentale
Universitá di Concepción, Chile.

¡Scusi la dattilografa inglese!

Editorial Headquarters
Washington, D. C.

CHEMICAL AND ENGINEERING NEWS

PUBLISHED BY THE AMERICAN CHEMICAL SOCIETY



Bush House • Aldwych, London, W.C.2 • Phone TEMple Bar 3605
Telegrams: JIECHEM, ESTRAND, LONDON

22 December, 1960

Dr. Mario Farina,
Dr. Mario Donati, or
Dr. Mario Peraldo,
Istituto di Chimica industriale,
Politecnico,
Piazza Leonardo da Vinci,
MILAN, Italy

Gentlemen,

We have noticed your communication to the journal La Chimica e L'Industria concerning your synthesis of tritactic polymers. We feel that this work would be of interest to American chemists and therefore we have prepared a short news summary of it, copy enclosed.

However, before we publish it, we wish to know if we have understood your work correctly. Would you therefore read it. If we have made any errors, I would appreciate a collect telegram to the above address with whatever corrections you feel are necessary.

Would you also inform me whether the final polymer you recover is erythro form a or form b or a mixture of these? My Italian is not good enough for me to discern. I would also appreciate any other comments you may wish to make.

Thank you for your attention. I would appreciate a reply as soon as is practicable.

Sincerely yours,

David E Gushee

David E. Gushee
Associate Editor
European Office, London

Encl:

29/12

GABBROENG
LONDON

PREGHI MO TRAMETTERE SEGUENTE MESSAGGIO A
CHEMICAL AND ENGINEERING NEWS, BUSH HOUSE, ALDWYCH,
LONDON WC2 ATTENTION MR GUSHEE
REFERRING ENCLOSURE YOUR LETTER 22ND DECEMBER TO DR FARINA
FOLLOWING CORRECTIONS ARE NECESSARY.
PAGE ONE LINE ONE CHANGE "CONFUSING" TO "COMPLICATED"
LINE FIVE AFTER "HAVE" UPTO "CHIMICA" LINE 6 CHANGE
TO " THREE SITES OF STEREOISOMERISM DUE TO THE
PRESENCE OF BOTH CIS-TRANS ISOMERISM AND DOUBLE
ISOTACTICITY"
LINE NINE CHANGE FIRST SIX WORDS TO "USING STEREO-
SPECIFIC CATALYSTS"
LINE SEVENTEEN CHANGE "ARE" TO "MAY BE"
LINE EIGHTEEN AFTER "ASYMMETRICAL" WRITE "(CHIMICA
E INDUSTRIA, 42, 1363)"
PAGE TWO LINE SIXTEEN OMIT "PLUS OPTICAL ROTATION
DATA"
LINE TWENTYTWO CHANGE "OR" TO "AND"
IN THE FINAL POLYMER BOTH FORMS A AND B ARE PRESENT
WHEN USING NON-ASYMMETRIC CATALYSTS.
WOULD SUGGEST EMPHASIZING THAT THIS IS FIRST CASE OF
CATALYTIC ASYMMETRIC SYNTHESIS IN THE MACROMOLECULAR
FIELD WITH OBTAINMENT OF OPTICALLY ACTIVE POLYMERS
FROM MONOMERS WHICH DO NOT HAVE OPTICAL ACTIVITY.
WILL SEND YOU COPY REVISED TEXT MONDAY.

BREV
1206 [redacted] rani

*From Substituted Butadiene Carboxylic Acid Esters ...

$CH_3 - CH = CH - CH = CH - COOR'$ (Trans-trans - sorbic acid)

$C_6H_5 - CH = CH - CH = CH - COOR'$ (β styryl acrylic acid)

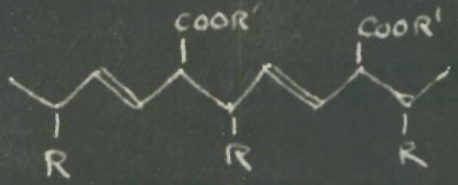
Polymers with three centres of stereoisomerism are formed ...

$$\left[- \overset{*}{C}HR - CH = CH - \overset{*}{C}H(COOR') - \right]_n$$

which, besides cis-trans isomers, have another isomerism ...



threo



erythro

And each of these has a pair of optical antipodes



(a)

erythro

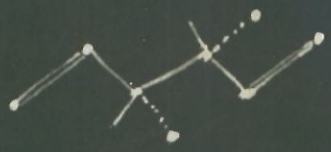


(b)



(a)

threo



(b)

To the already ~~confusing~~ nomenclature of stereo-regulated polymers, another name--tritactic--has been added. Coined by ~~Dr.~~ Giulio Natta and co-workers at Istituto di Chimica Industriale del Politecnico in Milan, the term covers polymers which have both cis-trans isomerism and isotacticity (Chimica e Industria, 42, 1361).

The Italian chemists have synthesized tritactic polymers from substituted butadiene carboxylic acids, ~~achieve the higher steric order because~~ in contrast to poly-alpha-olefins, the new materials have tertiary carbon atoms in the chain that are asymmetric even though they are considered in their immediate surroundings. With the poly-alpha-olefins, on the other hand, these carbon atoms are asymmetric only with reference to the chain segments bound to them or to different terminal groups.

The new Natta polymers ~~are~~ optically active, though their monomers are symmetrical. The key point: an asymmetric catalyst that initiates a single type of chain. But ~~Dr.~~ Natta won't say more than that these catalysts are anionic organometallics with asymmetric aliphatic or alicyclic organic groups. The polymers are thermoplastic, have high molecular weights, and have high

melting points--from 145° to 250°C., depending on the monomer.

So far, the methyl, ethyl, and butyl esters of trans-trans-sorbic acid, and the methyl ester of beta-styryl acrylic acid have been polymerized to tritactic polymers, according to ~~Dr.~~ Natta. All the polymers have the same monomeric unit in the chain:

$$\left[-\overset{*}{C}HR-CH=CH-\overset{*}{C}H(COOR')-\right]_n$$

X-ray and infrared data show that the double bonds are not conjugated and are trans in the polymer. In this respect, then, the new materials are analogous to trans-1,4-polybutadiene, he adds. But since they have two tertiary carbons, they are also di-isotactic--which means further that they can exist as either the threo or the erythro forms. But, says ~~Dr.~~ Natta, steric and thermodynamic considerations, ~~plus optical rotation data,~~ lead him to conclude that the polymers he has made have the erythro structure.

The Natta team concludes, therefore, that their polymers are erythro-di-iso-trans-tactic. And this structure means that the polymer either has three possible centers of stereoisomerism per monomer unit ~~,~~ that the tertiary carbons make part of the chain seem asymmetric

whether you consider the internal surroundings of each atom or consider the entire polymer chain. And this factor makes the new polymers distinctly different not only from poly-alpha-olefins but from earlier examples of di-isotactic polymers, it points out.

David E. Gushee

22 December, 1960

For: Research

Title

New Name in Polymers--Tritactic

Italian chemists synthesize polymers with a higher steric order than any attainable with poly-alpha-olefins

CHILEAN IODINE EDUCATIONAL BUREAU

FRANCIS C. KELLY, B.Sc., Ph.D., F.R.I.C. (Director)

WILLIAM McCARTNEY, Ph.D., F.R.I.C.
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GEORGE CALDERBANK, B.Sc., M.R.C.V.S.
PATRICK AKROYD, B.Sc.
FRANCISCO G. CÁNEPA.

TELEGRAMS : "SALITREROS, LONDON"
TELEPHONE : MONARCH 7744 (20 LINES)

CHILE HOUSE
20-24 ROPEMAKER STREET
LONDON, E.C.2

266

Our Ref: FGC/RSE

14 Marzo 1960

Professor Giulio Natta
Istituto di Chimica Industriale del
Politecnico
Piazza Leonardo da Vinci 32
MILAN
Italy

Pregmo Prof. Natta

Desidero ringraziarLa vivamente per la sua gradita lettera del 18 Febbraio scorso diretta al Prof. Francisco Canepa della sezione ricerca di codesto ufficio.

Le ragioni da Lei esposte chiariscomo indubbiamente le scarse possibilitá d'impiego nel campo dei plastici (polibutadiene 1,4 cis) di catalizzatori stereospecifici contenenti iodio.

Il Dott. C.W. Bunn FRS della Divisione Plastici, Imperial Chemical Industries Ltd., ci ha scritto in analoghi termini, ragione per cui ci permettiamo accludere copia della sua lettera unitamente alla presente.

Il prezzo dell'iodio è molto stabile al tempo attuale (15 shillings per Kg. nell'Europa) e non si prevvede fluttuazione alcuna.

Per ragioni empiriche molto importanti non ci è possibile stabilire per l'iodio impiegato in ricerca scientifica dei prezzi diversi da quelli ufficiali.

I nostri Direttori nel Cile possono agire su questo problema dei prezzi per ricerca scientifica soltanto per prodotti industriali nei quali il consumo annuo di iodio eccede le 500 Tonnellate metriche.

THE CHILEAN IODINE EDUCATIONAL BUREAU IS A DEPARTMENT OF NITRATE CORPORATION OF CHILE LIMITED.
Directors : HAROLD E. BIGGS (CHILEAN) Chairman, A. G. ASHTON, F. A. DESNAUX, R. F. DOUBLET, C.B.E., F. FARRELL, J. V. GALLAGHER, FRANCIS C. KELLY, B.Sc., Ph.D., F.R.I.C. G. E. KORN, M.B.E., J. A. PEEPLES (U.S.A.), L. J. W. RICHARDSON (Managing), C. G. TUBBS (U.S.A.), E. A. YOUNG

Professor Giulio Natta

il 14 Marzo 1960

Ci vorrebbe almeno un anno dopo la conclusione della ricerca stessa, tempo necessario per adattare gli impianti ad una maggiore produzione, affinché il Cile potesse fornire detta quantità.

Molto ringraziamente e distinti saluti

F. C. Kelly

[illegible]

[illegible]

[illegible].Crespi
[illegible] Road
Kilburn
London N.W.6

Egregio Sig.Crespi,

La ringrazio della Sua lettera del 5 u.s; Ho avuto piacere di sentire che Suo figlio si è affermato nel suo lavoro nel campo dei brevetti.

Avrò piacere di conoscerlo in occasione di qualche mia gita a Londra o in caso di una Sua venuta a Milano.

Migliori saluti.

[illegible].Natta

30 Dyne Road.
Kilburn.
London
N. W. 6.

Cinque Gennaio 1960

Egregio Professore Natta,

Anzitutto chiedo scusa se con questa mia lettera vengo a toglierla dalle Sue quotidiane occupazioni, ma come padre orgoglioso in un figlio che tanto onora (diciamo in parte) la di Lei alta professione e per coincidenze di fatti avverrati da mio figlio sono costretto anche per desiderio di Lui di scriverle quanto seque: Dunque mio figlio Romeo nel dorso della sua attuale professione scopri fra certi documenti Internazionali la di Lei suprema posizione alla Montecatini con una corona di proficue patente. Fu a questa verificazione di tali documenti che mi fece premura affinchè La metta al corrente della carriera che ha fatto : Per merito di una meritata " BORSA di STUDIO" passò anni or sono e con onore la laurea in Scienza COmmerciale, più si è "qualificato agente ai BREVETTI INTERNAZIONALE.. Per anni lavorò alla I.C.I. ed è iscritto al Libro d'onore delle Patenti. Sarebbe suo grande desiderio e onore di farà la Sua conoscenza personale. Fu in sequito a certe carte internazionali che passarono nelle sue mani in ufficio scopri che un parente era nel medesimo ramo a cui dedica la sua vita e con onore.

Non chiede che una sola cosa e cioè di avere un giorno l'onore di fare la conoscenza personale ospitandola nella propia villa alla Sua prossima venuta a LONDRA.

L'indirizzo :

R. S. CRESPI.
England. Tye House. The Street.
Sussex. (near Arundel) WALBERTON.

.....

Salutandola cordialmente ;

Obbl.mo

S. Stefano Crespi

Cont. Inghilterra

June 27, 1960

Prof. D. D. Eley,
Dept. of Physical Chemistry,
The University,
Nottingham (Inghilterra)

ur ref. 660/lv

Dear Professor Eley,

thank you for your letter of June 18. I wish to inform you that, owing to my health, I am not absolutely certain to participate to the Congress on Catalysis in Paris. In that case, my lecture will be read by a co-worker of mine. If, as I hope, I can come to Paris, I shall stay there for about two days.

The date of my lecture has been changed and scheduled for the 5th of July. Therefore I expect I shall arrive in Paris on July 4, where I shall live at the Hotel Lotti (Rue de Castillon).

I fear that it will be ~~impossible~~ difficult for me to participate to the lunch I have been invited to, because of my short stay in Paris, and because of the great number of pleople I shall have to meet.

I shall be very pleased to meet you some time at my Hotel, eventually in the afternoon of July 5.
I will surely phone Dr. Weisz as soon as I arrive in Paris.

With my kindest regards.

G. Natta

ADVANCES IN CATALYSIS

AND RELATED SUBJECTS

EDITORS:

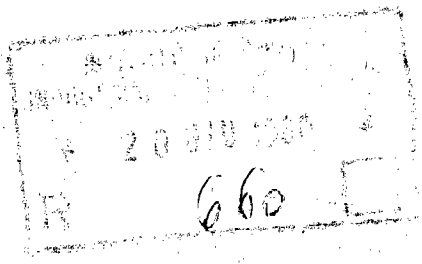
D. D. ELEY
DEPARTMENT OF PHYSICAL CHEMISTRY
THE UNIVERSITY
NOTTINGHAM, ENGLAND

P. W. SELWOOD
DEPARTMENT OF CHEMISTRY
NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS

PAUL B. WEISZ
RESEARCH AND DEVELOPMENT DEPARTMENT
SOCONY-VACUUM LABORATORIES
PAULSBORO, NEW JERSEY

PUBLISHERS:

ACADEMIC PRESS INC.
111 FIFTH AVENUE
NEW YORK 3, NEW YORK



17th June, 1960.

Professor G.Natta,
Istituto Di Chemica Industriale
Del Politecnico,
Piazza Leonardo da Vinci, 32.
Milano. Italy.

Dear Professor Natta,

Thank you very much for your letter. Apparently, there is a change of plans as the Restaurant Lucien has no table large enough to take the fifteen people we expect. So now Mr.Jacoby is trying to find another restaurant. If you should happen to be in Paris on 5th July, please phone Dr.P.B.Weisz, or contact him, (he is an editor of "Advances" as you may know) and he will be able then to tell you the place fixed for the lunch.

My arrangements are that I am just flying over from England to Paris for lunch on 5th July, and will not be staying the night even, owing to my duties as examiner in London University on 6th July. So it looks as though we may miss each other this time, but I know Dr.Weisz and Professor Selwood (the other two editors of "Advances") are hoping to meet you as they will be in Paris for the whole of the Conference.

With all best wishes,

Yours sincerely,

D. D. Eley

Dictated by Professor Eley
but sent in his absence.

Suppl.

June 7, 1960

Dr. D. D. Eley,
Dept. of Physical Chemistry,
The University,
Nottingham (Inghilterra)

our ref. 597/lv

Dear Doctor Eley,

thank you very much for your kind letter of June 1 and for inviting my wife and myself to the luncheon for the Editorial Advisory Board of Advances in Catalysis, in Paris.

I am sorry to inform you that most probably I shall not be able to meet you in Paris on that day. In fact, a great number of engagements will not allow me to arrive in Paris before the 6th or the 7th of July.
If, by chance, I can come before, I will inform you.

Please, let me know the name of your hotel in Paris.

Hoping to meet you in a near future, I send you my best regards.

G. Natta

ADVANCES IN CATALYSIS

AND RELATED SUBJECTS

EDITORS:

D. D. ELEY
DEPARTMENT OF PHYSICAL CHEMISTRY
THE UNIVERSITY
NOTTINGHAM, ENGLAND

P. W. SELWOOD
DEPARTMENT OF CHEMISTRY
NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS

PAUL B. WEISZ
RESEARCH AND DEVELOPMENT DEPARTMENT
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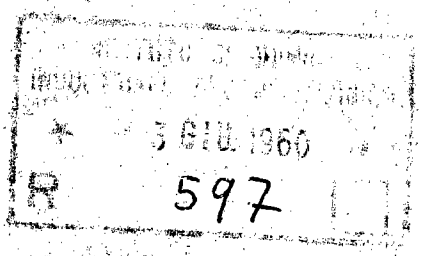
PAULSBORO, NEW JERSEY

PUBLISHERS:

ACADEMIC PRESS INC.
111 FIFTH AVENUE
NEW YORK 3, NEW YORK

Department of Physical Chemistry,
The University, Nottingham,
England.

1st June, 1960.



Professor G. Natta,
Istituto di Chimica Industriale de Politecnico,
Piazza Leonardo da Vinci, 32,
Milano, Italy.

Dear Professor Natta,

I am now writing to say that the luncheon for the Editorial Advisory Board of Advances in Catalysis has been arranged for Tuesday, the 5th July, at the Restaurant LUCIEN, 12, rue Surcouf, Paris 7 eme, Telephone: INValides 46.93. The enclosed sketch map will show that it is quite near to the Maison de la Chimie, where your meeting is.

I hope to fly over from England on that day, and to have the pleasure of meeting you at the luncheon. There will be about fifteen people there all told. We shall be very glad if Madame Natta can join us if she accompanies you to Paris.

Yours sincerely,

D. D. Eley.

DDE/EMP.

May 30, 1960

Prof. D. D. Eley,
Dept. of Physical Chemistry,
Nottingham, Inghilterra

our ref. 557/1v

Dear Professor Eley,

I wish to thank you very much for your kind letter of May 20.

I am still uncertain whether I shall be able to come to Paris on July 5, when you expect there will be the lunch, because a great number of duties and engagements will probably keep me in Milan. However I will certainly arrive in Paris in the afternoon of July 7.

Hoping to meet you in a near future I send you my kindest regards.

Sincerely yours,

G. Natta

ADVANCES IN CATALYSIS

AND RELATED SUBJECTS

EDITORS:

D. D. ELEY
DEPARTMENT OF PHYSICAL CHEMISTRY
THE UNIVERSITY
NOTTINGHAM, ENGLAND

P. W. SELWOOD
DEPARTMENT OF CHEMISTRY
NORTHWESTERN UNIVERSITY
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PAUL B. WEISZ
RESEARCH AND DEVELOPMENT DEPARTMENT
SOCONY-VACUUM LABORATORIES
PAULSBORO, NEW JERSEY

PUBLISHERS:

ACADEMIC PRESS INC.
111 FIFTH AVENUE
NEW YORK 3, NEW YORK

20th May, 1960.

Professor G.Natta,
Istituto di Chimica Industriale
De Politecnico,
Piazza Leonardo da Vinci, 32,
Milano,
Italy.

25
557

Dear Professor Natta,

As an admirer of your work, I was delighted to hear that you agree to become a member of the Editorial Advisory Board of Advances in Catalysis. I am sending off immediately to tell my colleagues and the publisher of this journal.

I very much hope to meet you in Paris. My own personal movements are such that I shall be there for one day only as unfortunately being Dean of Science at Nottingham for the next three years I have duties which keep me in Nottingham. However, I am hoping that Mr.Jacoby, the publisher, will be able to arrange the lunch for Tuesday, July 5th, and that I shall be able to fly over for that day. I do hope that I shall meet you at this time.

Yours sincerely,

D.D.Eley.

May 13, 1960

Prof. D. D. Eley,
Dept. of Physical Chemistry,
The University,
Nottingham (Inghilterra)

our ref. 512/lv

Dear Professor Eley,

thank you very much for inviting me to become a member of the Editorial Advisory Board of Advances in Catalysis.

I feel much honoured for your kind invitation, and I am very glad to accept it.

Hoping to meet you in Paris during the International Congress, I send you my kindest regards.

Sincerely yours,

G. Natta

ADVANCES IN CATALYSIS

AND RELATED SUBJECTS

EDITORS:

D. D. ELEY
DEPARTMENT OF PHYSICAL CHEMISTRY
THE UNIVERSITY
NOTTINGHAM, ENGLAND

P. W. SELWOOD
DEPARTMENT OF CHEMISTRY
NORTHWESTERN UNIVERSITY
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ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITE
13 MAG 1960
512

10th May, 1960.

Professor G.Natta,
Istituto di Chimica Industriale del Politechnico,
Milan,
Italy.

Dear Professor Natta,

I have great pleasure in inviting you in the names of the three editors to become a member of the Editorial Advisory Board of Advances in Catalysis.

We should be honoured if you would assist us in this way in our task of producing the advances as a service to research workers in the field of catalysis and related problems.

An informal luncheon is planned for members of the Advisory Board and the Editors during the International Congress in Paris, and we sincerely hope you will be able to join us there.

Yours very sincerely,

D.D.Eley.

DDE/EMP

THE UNIVERSITY OF MANCHESTER,
MANCHESTER, 13.

22nd February 1960

FROM
PROFESSOR G. GEE., C.B.E., F.R.S.
SIR SAMUEL HALL, PROFESSOR OF CHEMISTRY.
TELEPHONE: ARDWICK 3333

Professor G. Natta,
Istituto di Chimica Industriale del Politennico,
MILANO.
Italy

Dear Natta,

I was very pleased to receive the collection of reprints from you this morning. Please accept my sincere thanks for your very kind response to my request.

Yours sincerely,

G. Gee

22 dicembre 1960

Ing.A.Giachin
10 Upper Grosvenor Street
London W.1 (Inghilterra)

Egregio Ingegnere,

La ringrazio delle interessanti notizie che costantemente ci invia.

Colgo l'occasione per inviarLe i migliori auguri di Buone Feste con i migliori saluti.

G.Natta

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG. LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 25 Novembre, 19 60.

Preg.mo Signor
Prof. G. Natta,
Politecnico di
Milano.

Gentilissimo Professore,

ritenendoli per Lei interessanti, in allegato mi pregio rimetterLe copie di articoli apparsi sul " Chemical Age" di oggi, agli argomenti:

- Shell's Joint Process for Isoprene, and Butadiene Cuts Costs, Raises Yields,
- Si-N Resins Produced.

Con i migliori ossequi,

A. Giachin

due allegati.

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5169 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 5 Dicembre, 19 60.

- 9 DIC. 1960

1054

Preg.mo Signor
Prof. G. Natta,
Politecnico di
Milano.

Gentile Professore,

in allegato, mi pregio rimetterLe stralcio dal "Chemical Age" del 3 u.s. che ritengo per Lei interessante:

- New Rubber Peptising Agent from Robinson's.

Con i migliori ossequi,

A. Giachin

un allegato.

Inghilterra

23 settembre 1960

Ing.A.Giachin
10 Upper Grosvenor Street
London W 1 (Inghilterra)

d.rif.860/eg

Egregio Ingegnere,

La ringrazio molto della Sua gentile lettera del 16 u.s. e delle informazioni che mi ha inviato.

Per quanto riguarda l'International Synthetic Rubber Symposium che si terrà a Londra nel prossimo ottobre, purtroppo per diverse ragioni, fra cui le mie non perfette condizioni di salute, sono costretto a rinunciarvi. Leggeranno le due comunicazioni in programma due miei collaboratori, l'Ing.Crespi ed il Dr.Leghissa.

La ringrazio molto della Sua offerta di occuparsi del mio alloggio.

La prego di gradire molti cordiali saluti.

G.Natta

DOTT. ING ANTONIO GIACHIN

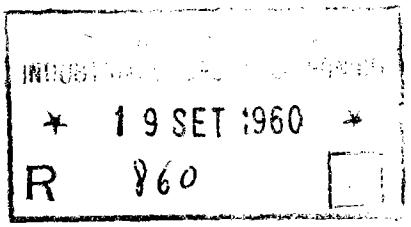
TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 16 Settembre, 19 60.



Preg.mo Signor
Prof. G. Natta,
Istituto di Chimica Industriale
del Politecnico,
P.zza Leonardo da Vinci,
Milano.

Gentilissimo Professore,

mi permetto inviarLe in allegato alcuni ritagli dal "Chemical Age" in data di domani, che penso possano essere interessanti per Lei.

Rilevo inoltre che Ella dovrebbe partecipare alla International Synthetic Rubber Symposium nei giorni 11, 12 e 13 Ottobre p.v. e, ove Ella contasse di venire personalmente qui a Londra, La prego di comunicarmi immediatamente Sue eventuali necessità di alloggio, perchè io possa tempestivamente provvedere.

In attesa del piacere di rivederLa in Inghilterra, mi è gradito porgere a Lei ed alla gentile Signora Natta, i miei migliori ossequi.

all.

A. Giachin

Prof. Natta

Stralcio dal "Chemical Age" del 17/IX/1960.

With U.K. synthetic rubber production scheduled to rise from the early 1960 level of 90,000 tons a year to something like 200,000 tons a year in the next few years (see Leader, p.419), it is not surprising that there will be a strong representation from this country at the German Rubber Society Congress to be held in Berlin from 4 to 7 October. Nearly 1,000 scientists from 30 countries are expected to attend.

The newer synthetic rubbers polybutadiene and polyisoprene, which are very close to natural rubbers in their properties, will be the subject of a number of papers. Of particular interest will be a paper by Prof.G.Natta on a new copolymer of ethylene and propylene. The same must hold for the lecture to be given on the ethylene-vinyl acetate copolymers, which also promise to become interesting elastomers.

IO settembre I960

Egr.Ing.A.Giachin,
IO Upper Grosvenor Street,
London W.I. (Inghilterra)

Egregio Ingegnere,

rivevo la Sua gentile lettera del 6 Settembre, e la ringrazio per le notizie.

Migliori saluti.

G.Natta

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES).

10 UPPER GROSVENOR STREET,

LONDON, W.1. 6 Settembre, 19 60.

Preg.mo Signor
Prof.Giulio Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci,
Milano.

Gentile Prof. Natta,

ritenendolo per Lei interessante, in allegato mi pregio inviarLe stralcio dal "Chemical Trade Journal" del 2 u.s., allo argomento:

- A Non-Flammable Synthetic Rubber.

Con ossequio,

un allegato.

A. Giachin

Stralcio dal "Chemical Age" del 2/IX/1960.

A Non-Flammable Synthetic Rubber.

A new synthetic rubber under development by the Minnesota Mining and Manufacturing Co. of St.Paul, Minn., U.S.A., and claimed to be non-flammable, completely resistant to petrol and soft and elastic at temperatures down to 60° C is based on nitroso-fluorocarbons.

The investigations on the subject were sponsored by the U.S.Army seeking materials for protective clothing against the heat of nuclear blasts.

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5169 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 25 Giugno, 19 60.

Preg.mo Signor
Prof. G. Natta,
Politecnico di Milano.

Gentilissimo Professore,

ritenendolo per Lei interessante, in allegato
Le rimetto stralcio dal "Chemical Age" di oggi, all'argomento:

- Polymerisation by U.V.Radiation.

Con i miei migliori ossequi,

A. Giachin

un allegato.

2 Marzo 1960

Egr.Ing.A.GIACHIN
10 Upper Grosvenor Street
L o n d o n W.1 - Enghilterra

Prot;N.191/rl

Egregio Ingegnere,

La ringrazio vivamente di tutte le informazioni da Lei inviatemi, che mi interessano sempre molto.

La prego di gradire i miei migliori saluti.

G.Natta

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

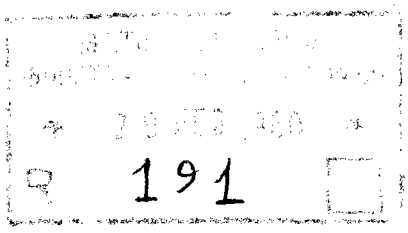
CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1.

27 Febbraio, 19 60.



Preg.mo Signor
Prof. G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci,
Milano.

Gentile Professore,

ritenendolo di Suo interesse, in allegato mi pregio inviarLe in allegato stralcio dal "Chemical Age" di oggi, all'argomento:

- Hüls To Introduce New Polybutadiene Rubber.

Voglia gradire con l'occasione i miei migliori ossequi.

A. Giachin

un allegato.

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 23 Gennaio, 1960.

Preg.mo Signor
Prof. G. Natta,
Politecnico, Ist.Chim.Ind.le
Milano.

Gentilissimo Professore,

ritenendolo di Suo interesse, in allegato mi pregio inviarLe copia di articolo apparso sul "Chemical Age" di oggi, all'argomento:

- Esso's Butyl Rubber Expansion Plans.

Con ogni mio migliore saluto,

A. Giachin

un allegato.

Impiriti,

13 Gennaio 1960

Egr.Ing.A.Giachin
10 Upper Grosvenor Street
LONDON W.1. - England

Egregio Ingegnere,

La ringrazio molto di tutte le informazioni che Lei gentilmente mi invia.

La prego di gradire i miei migliori saluti.

G.Natta

March 22, 1960

Prof. W.P. Griffith,
Royal College of Science,
Imperial Institute Road,
London SW7 (England)

our ref. 291/lv

Dear Doctor Griffith,

Thank you for your letter of March 17, 1960.

It was a real pleasure for me to learn that you plan to start a polarographic study of Vanadium hexacarbonyl. I would most appreciate receiving the reprints of your previous papers in the field of metal carbonyls.

Under separate cover, I send you a reprint of our paper and about 50 mg of sublimed $V(CO)_6$ in two sealed containers. The compound must be handled with exclusion of air and stored in the dark, preferably at low temperature. It can be resublimed at about 40-50°C at ~ 15 mm Hg. With solvents basic in the Lewis sense such as tetrahydrofuran, dioxane, alkyl-ethers, alcohols, amines, the $V(CO)_6$ reacts spontaneously following the scheme:

$$3V(CO)_6 + nB \longrightarrow V(B)_n\,V(CO)_6]_2 + 6CO$$

The solubility in hydrocarbons varies in the range 1 ÷ 2 %, the solutions being somewhat unstable.

With my best regards,

Giulio Natta

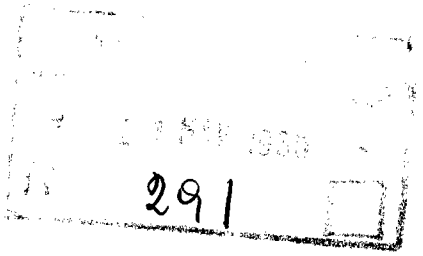
IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY
(UNIVERSITY OF LONDON)

DEPARTMENT OF CHEMISTRY

ROYAL COLLEGE OF SCIENCE
IMPERIAL INSTITUTE ROAD,
LONDON - - S.W.7
Telephone: KENSINGTON 5111

17 March 1960

Professor G. Natta,
Department of Chemistry,
Istituto Politecnico,
Milano.



Dear Professor Natta,

I was interested to read in the Sept./Oct. issue of the Atti Acad. Linc. that you had prepared vanadium hexacarbonyl, and I would greatly appreciate receiving a reprint of the paper.

I have recently completed a polarographic study of rhenium and manganese carbonyls and carbonyl halides (J.C.S. 1960, 71) and I am very interested in the prospect of performin similar work on vanadium carbonyl - it would be of great interes to compare the polarographic reduction of the carbonyls of V, Cr, Mn, Fe and Co at the dropping mercury electrode. I wonder therefore whether you would be kind enough to send me a small sample of $V(CO)_6$ for this purpose - 30 mg. would be amply sufficient. I would be very grateful if you can help in this way: we would of course give the fullest acknowledgement in any publication of the work to you.

Please forgive me for not writing in Italian,

Yours sincerely, (W. P. Griffith

April 11, 1960

Professor D.O.Jordan,
Dept.of Chemistry
University College, London
Gower Street,
London W.C.1.

our ref.388/lv

Dear Professor Jordan,

In regard to your letter of April 8, 1960, I inform you that I shall be very glad to meet you on April 29th, if I succeed in postponing the engagements I have previously taken out of town, during that period.

Thus you can call on my secretary who will tell you whether I am in town or not, and if not, she will ask a co-worker of mine, for instance Professor Mazzanti or Professor Corradini, to accompany you in your visit to my Institute, and to discuss topics you may be interested in.

Kind regards,

G.Natta

May 30, 1960

Dr. A. Keller,
H. H. Wills Physics Laboratory,
Royal Ford,
Bristol 8, Inghilterra

our ref. 561/lv

Dear Doctor Keller,

thank you very much for your kind letter of May 24, and for inviting me to the British Meeting which will be held on the 9-11 January 1961.

Unfortunately I believe I shall not be able neither to attend nor to contribute to it, because of the numberless duties and engagements I have taken for this year.

Thanking you again, I send you my kindest regards.

Yours sincerely,

G. Natta

UNIVERSITY OF BRISTOL

H. H. WILLS PHYSICS LABORATORY,
ROYAL FORT,
BRISTOL 8.

Telephone: Bristol 2-4161
Night Service 2-5027.

24th May, 1960.

Professor G. Natta,
Istituto di Chimica Industriale del Politechnico,
Piazza Leonardo da Vinci 32,
Milano,
ITALY.

761

Dear Professor Natta,

I would like to inform you that the British Physical Society will hold a conference on polymers ~~of~~ physics in Bristol on the 9 - 11 January, 1961. It is primarily a British meeting, but a number of contributors from abroad will also be present. Professor Mark has undertaken to introduce the meeting. One of the main subjects will be crystallization phenomena, but physical aspects of irradiation of polymers, chain statistics and mechanical properties will also feature on the agenda. If you are interested to attend or contribute to this meeting I will inform the Physical Society accordingly. Your participation would certainly be most welcome. Unfortunately I have to make the point that no funds are available towards the expenses of the participants. In any event, we shall keep you informed of the particulars as soon as they are available.

Yours sincerely,

A. Keller

A. Keller.

DEPARTMENT OF
SCIENTIFIC AND INDUSTRIAL RESEARCH
5-11 REGENT STREET, LONDON S.W.1
TELEPHONE: WHITEHALL 9788

14th April, 1960

19 APR 1960
412

Dear Professor Natta

Thank you very much for sending such a magnificent collection of your recent reprints. These will be particularly useful as they include many of your papers published in Italian journals. I look forward to reading them.

Yours sincerely

H.W. MELVILLE

Professor G. Natta,
Instituto Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
MILAN, Italy.

EMBASSY OF THE UNITED STATES OF AMERICA
OFFICE OF NAVAL RESEARCH, BRANCH OFFICE, LONDON
KEYSIGN HOUSE, 429 OXFORD STREET, LONDON, W. 1
Telephone: GROsvenor 9000

In Reply Refer to:
57:JHF:kh

11 MAY 1960

ISTITUTO DI CHIMICA INDUSTRIALE DEL POLITECNICO
14 MAG 1960
R

Professor G. Natta
Istituto Chimica Industriale
del Politecnico
Milan, Italy

Dear Professor Natta:

This letter will convey the deep appreciation of this office and myself for the great privilege afforded me to visit you in your laboratories at the Politecnico. I am also very glad to have the two important reprints which you so kindly gave me at that time.

Please feel free to write this office at any time you believe we can be of assistance in making contacts or obtaining information from the United States.

Sincerely yours,

J.H. Faull, Jr.

J.H. FAULL, JR.
Scientific Liaison Officer
(Elastomer R. and D.)

EMBASSY OF THE UNITED STATES OF AMERICA
OFFICE OF NAVAL RESEARCH, BRANCH OFFICE, LONDON
KEYSIGN HOUSE, 429 OXFORD STREET, LONDON, W. 1
Telephone: GROsvenor 9000

In Reply Refer to:
264:GH:wh

11 OCT 1960

Prof. G. Natta
Istituto di Chimica Industriale
Politecnico di Milano
Milan, Italy

Dear Professor Natta:

This is just a line to express to you my most sincere thanks for the interesting visit to your laboratory which I had a few weeks ago, under the very competent guidance of Dr. Crespi.

I also wish to thank you for a set of reprints of your work which Dr. Crespi was kind enough to let me take along.

Sincerely yours,

GEORGE HERRMANN
Scientific Liaison Officer

PERGAMON INSTITUTE
OXFORD · LONDON · WASHINGTON, D.C.
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AND DISSEMINATION OF SCIENTIFIC KNOWLEDGE

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Board of Governers:
Sir Robert Robinson, O.M., F.R.S.

Executive Director:
Captain I. R. Maxwell, M.C.

HEADINGTON HILL HALL,
OXFORD
Telephone: Oxford 64881

IST...
IND...
27 MAG 1960

Professor G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci, 32,
Milan,
Italy.

24th May, 1960.

Dear Professor Natta,

Thank you for your kind letter of 19th May. I am pleased to note your interest in the Journal and your willingness to join the Honourary Editorial Advisory Board.

We shall keep you informed of the progress made with the journal.

Yours sincerely,

J. Green

F. J. Griffiths,
Journals Translation Editor.

fjg/jg

Dictated by Mr. Griffiths,
but signed in his absence

May 19, 1960

Prof.F.J.Griffiths,
Journals Translation Editor
Pergamon Institute,
Headington Hill Hall,
Oxford (Inghilterra)

ur ref.520/eg

Dear Professor Griffiths,

I wish to thank you for your kind letter of May 12, 1960, in which you invite me to become a member of your Honorary Editorial Advisory Board.

I am very glad to accept it and I send you my best regards.

G.Natta

PERGAMON INSTITUTE

OXFORD · LONDON · WASHINGTON, D.C.

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AND DISSEMINATION OF SCIENTIFIC KNOWLEDGE

President of the
Board of Governers :
Sir Robert Robinson, O.M., F.R.S.

Executive Director :
Captain I. R. Maxwell, M.C.

HEADINGTON HILL HALL,
OXFORD

Telephone : Oxford 64881

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
* 17 MAG 1960 *
R 520

Professor G. Natta,
Institutio di Chimica Industriale del
Pantecmico,
Piazza Leonardo da Vinci, 32,
Milan,
Italy.

12th May 1960

Dear Professor Natta,

Soviet Journal High-Molecular Compounds
"Vysokomolekuliarnye soedinenniia"

The Pergamon Institute is engaged in the dissemination of information on development and research in the U.S.S.R., and to this end we have established large Soviet book and journal translation programmes, as you will see from the enclosed.

As a significant part of our work we propose soon to commence publication of selected papers from the Russian Journal "Vysokomolekuliarnye soedineniia," a Journal with which you are no doubt already familiar, and which, when translated, we believe will of the greatest value to English-speaking scientists, engineers and others interested in the subject.

Professor G. M. Burnett of Aberdeen has agreed to act as Translation Editor for the Journal, and we would now like to invite you to be a member of our Honorary Editorial Advisory Board. The duties involved will not be onerous, and will consist of advising the Institute from time to time on general matters of policy relating to the Journal. In return the members receive a gratis subscription to the Journal.

The following Gentlemen are also being asked to serve as members of the Honorary Advisory Board:-

W. O. Baker, Murray Hill, N.J.
C. H. Bamford, Maidenhead
L. Bateman, Welwyn Garden City
R. Buchdhal, Springfield, Mass.
J. C. Bevington, Birmingham
S. Claesson, Uppsala
F. S. Dainton, Leeds
H. D. Evans, Emeryville, Calif.
P. J. Flory, Pittsburg
P. Garner, Manchester
G. Gee, Manchester
N. Grassie, Glasgow
R. Lodge, Pontypool
N. Luke, London
M. Magat, Paris
C. G. Overberger, Brooklyn
H. Rayner, Welwyn Garden City
D. S. P. Roebuck, Newport
G. V. Schulz, Metz, Germany
G. J. Smets, Louvain
W. H. Stockmeyer, Cambridge, Mass.
A. V. Tobalsky, Princeton
H. L. Williams, Sarnia
B. H. Zinn, Schenechtady

We hope we may have your support for this work, and look forward very much to hearing from you.

Yours sincerely,

F. J. Griffiths

fjg/amr

F. J. Griffiths
Journals Translation Editor

June 22, 1960

Mr. I. Stuart, Sub Editor
Tetrahedron Letters,
Pergamon Press Ltd.
Headington Hill Hall,
Oxford (Inghilterra)

Dear Mr. Stuart,

with regard to your letter of June 20, I wish to inform you that we desire 100 reprints of the work:

"Cyclopentadienyltrimethyltitanium" by Giannini et al. scheduled for publication in Tetrahedron Letters No. 14.

Please send the reprints to

Prof. G. Natta,
Istituto di Chimica Industriale
Politecnico
Piazza Leonardo da Vinci 32
Milano (Italy)

and invoice them to:

Istituto di Chimica Industriale
del Politecnico
Piazza Leonardo da Vinci 32
Milano (Italy)

Best thanks and kind regards.

Sincerely yours,

G. Natta

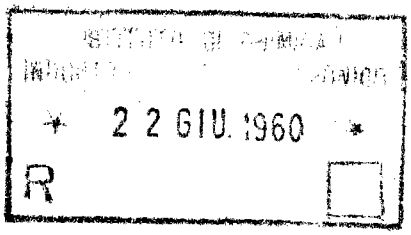
VERY URGENT

PERGAMON PRESS LIMITED
Headington Hill Hall,
Oxford.

Telephone: OXFORD 64881

20th June 1960

Professor G. Natta,
Istituto di Chimica Industriale del
Politecnico,
Piazza Leonardo da Vinci 32,
Milan,
Italy.



Dear Professor Natta,

re: TETRAHEDRON LETTERS' REPRINTS

"Cyclopentadienyltrimethyltitanium" by Giannini et al.

I am pleased to offer you the opportunity of purchasing reprints for the above article, scheduled for publication in Tetrahedron Letters No. 14, and I would appreciate a reply by return. If I do not hear from you within 4 weeks it will be understood that you do not require reprints and therefore none will be run off. No free reprints are available but 50 or 100 reprints (without covers) will be supplied at the usual Tetrahedron prices. Quantities of more than 100 cannot be supplied.

It would be appreciated if, when submitting further communications, you would state your reprint requirements at the time of submission. Due to the rapidity of publication there will not always be time to send an order form. The address(es) to which the reprints and invoice are to be sent should be clearly indicated.

100

Yours sincerely,

I. Stuart,
Sub-Editor,
Tetrahedron Letters.

DIRECTORS
CAPT. I. R. MAXWELL, M.C. (CHAIRMAN & MANAGING) · C. T. CLARK · E. J. BUCKLEY
HEAD OFFICE: PERGAMON HOUSE, 4 & 5, FITZROY SQUARE, LONDON, W.1. TEL: EUSTON 4455

GENTIL SIGNORINA VACCARONI

Prego Tradurre e far firmare da prof.NATTA :

Mr.Robertson (?)

In seguito alla sua richiesta del 20/8 Le inviamo i reprints di alcuni lavori da noi pubblicati, riguardanti le polimerizzazioni stereospecifiche effettuate in presenza di catalizzatori che agiscono in fase omogenea.

....

(prof. G.NATTA)

Allegati :

lavoro	vinileteri	pubblicato	su	Angew.Chemie	314 409 399
"	vinilpiridina	"	"	Makrom.Chem.	400-404
"	aldeidi	"	"	LINCEI e su Makrom.Chemie	
"	butadiene-1-2	"	"	Chim.Industria	382
"	metallo-ammidi	"	"	" "	415

Following your request of 20/8, I send you the reprints of some ~~works~~ publications under separate cover of ours, concerned with the stereospecific polymerizations ~~effected~~ performed in the presence of catalysts acting in ~~the~~ homogeneous phase.

BY AIR MAIL
PAR AVION
AIR LETTER
AEROGRAMME

ABERDEEN
4 PM
30 AUG
1960
A

6
SIXPENCE POSTAGE
YEAR 1960

Professor G. Natta,

Instituto di Chimica industriale

del Politecnico,

Milan,

ITALY.

First fold here

Second fold here

Sender's name and address: M. Roberts, B.Sc.

Chemistry Department

Aberdeen University,

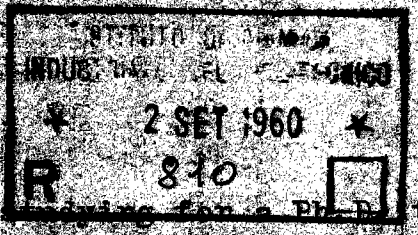
Aberdeen, SCOTLAND.

AN AIR LETTER SHOULD NOT CONTAIN ANY ENCLOSURE; IF IT DOES IT WILL BE SURCHARGED OR SENT BY ORDINARY MAIL.

Chemistry Department,
The University,
Aberdeen,
Scotland.
August 30, 1960.

Prof. G. Natta,
Milan.

INSTITUTO DI CHIMICA
INDUSTRIALE DEL PLATTICO
2 SET 1960
R 810



Dear Professor Natta,

I am at present studying for a Ph.D. thesis the subject of which is stereospecific polymerization in the homogeneous phase using lithium alkyls as initiators. I have studied the kinetics of methyl methacrylate and am now considering the use of an aromatic monomer.

I would be very grateful if you would send me reprints of the work you have done on soluble anionic initiators.

Yours faithfully,

Michael M. Robertson

invisible artwork [illegible]

W.

(Sentire da Massanti [illegible])

Chemistry Department,
The University,
Aberdeen,
Scotland.

August 30, 1960.

INDUSTRIA DEL PLASTICO
* 2 SET 1960 *
R 810

Prof. G. Natta,
Milan.

Dear Professor Natta,

I am at present studying for a Ph.D. thesis the subject of which is stereospecific polymerization in the homogeneous phase using lithium alkyls as initiators. I have studied the kinetics of methyl methacrylate and am now considering the use of an aromatic monomer.

I would be very grateful if you would send me reprints of the work you have done on soluble anionic initiators.

Yours faithfully,

Michael M. Roberts

(Longhil.) Robinson

SIR

Grimm's Hill Lodge,
Great Missenden,
Bucks.
Tel: 2465.

Dear Rosita:

Please forgive my tardiness in writing, but Robert has not been well since we came home, and we have been fussing with doctors and X rays etc. We finally got the word today that there is nothing wrong but a probable small abcess which is causing the cough.

I want to thank you again for your most charming anddelightful hospitality. We both enjoyed every minute of our visit with you and your family and hope in the future our paths will cross more often.

We are at the moment waiting for final word on whether we must fly to Canada for a week before Varrenna. It seems rather likely that we shall.

You will be amused to know that the day after we arrived home I caused a minor sensation in our village by wearing my sabots out to the market . I ended up like the pied piper with about 9 small children following me about in utter fascination! Anyone around here who was not previously convinced that Americans are loco - is now sold on the idea.

My children arrived yesterday from Paris and have fallen madly in love with Rome. They had more than their share of amusing incidents and were most comfortable everywhere. They are off to New York on Saturday and the house will seem very empty.

If, for some reason, we don't get to Varenna, I will see that your Woolite and seeds come over with some friends, however, I shall look forward to our meeting soon in any case.

Our kindest regards to the children and Dr.& Mrs. Beatti, and to Prof. Natta and yourself our warm appreciation and sincere thanks,

arrividerci,

aug. 21 - Sloan

per Inghilterra

May 6, 1960

our ref.476/lv

Mr.P.E.Blanchard, Manager
Publications Dept.
Society of Chemical Industry,
14 Belgrave Square,
London S.W.1. (Inghilterra)

Dear Sir,

with regard to your communication of April 29, 1960, I inform you that I accept your quotation of £3.7.10d. for the 300 reprints of the paper:

"Existence of monomeric vanadium hexacarbonyl"

by Calderazzo, Cini, Corradini, Ercoli, Natta.

If it is possible to have it without further charges, I would like that also the Comment by Dr.R.L.Pruett, which follows our article, be included in our reprint.

With best thanks and kind regards.

G.Natta

SOCIETY OF CHEMICAL INDUSTRY
PUBLICATIONS DEPARTMENT
14, BELGRAVE SQUARE,
LONDON, S.W.1

BELGRAVIA 3681

April 29, 1960.

Dr. Giulio Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza L. da Vinci 32,
Milan, Italy.

476

Dear Sir,

The following is an estimate of the cost of 300 reprints with no covers (including author's free copies) of the paper which appeared in Chemistry & Industry, April 30, 1960.

Existence of monomeric vanadium hexacarbonyl, by Calderazzo, Cini, Corradini, Ercoli and Natta.

£ 3. 7. 10d.

This quoted price is applicable only for three months from the date of issue of Chemistry & Industry in which the paper appeared.

Before placing your order for reprints with our printers we must have your acceptance of this quotation, which should be sent to The Editor, Chemistry & Industry, 14 Belgrave Square, London, S.W.1.

It is requested that no payment be made until receipt of our official invoice.

Yours faithfully,

P.E. BLANCHARD
Manager, Publications Department

Impl. in Tetrahedron

7th January 1960

Captain Maxwell
79, Hurst Rise Road,
Oxford (Inghilterra)

our refs.1317/eg

Dear Captain Maxwell,

I would mostly appreciate receiving, before January 20, a few copies of reprints, on account of those previously ordered, of my paper : "Organometallic Complexes as Catalysts in Ionic Polymerization" in press in Tetrahedron.

If you are not able to send me these reprints, I should like to receive copies of the issue of Tetrahedron, in which my paper appears. Naturally you should invoice me the incidental expenses.

If you cannot send me either the reprints or the Tetrahedron issues, I would like to receive some copies of the proofs.

Thanking you in advance, I send you my kindest regards.

G.Natta

BY AIR MAIL

PAR AVION

AIR LETTER

AEROGRAMME



Professor Natta,

Instituto di Chimica Industriale,

Del Politecnico, Plaza Leonardo

da Vinci, 32,

Milano, ITALY.



First fold here

Second fold here

Sender's name and address: Professor H. Stephen

79, Hurst Rise Road, Cumnor Hill, Oxford,

England.

AN AIR LETTER SHOULD NOT CONTAIN ANY ENCLOSURE; IF IT DOES IT WILL BE SURCHARGED OR SENT BY ORDINARY MAIL.

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
* 30 DIC 1959 *
R 1317

79,Hurst Rise Road,
Cumnor Hill,
Oxford, England.
22nd December 1959.

Dear Professor Natta,

In reply to your letter of the 16th inst. referring to your paper "Organometallic Complexes as Catalysts in Ionic Polymerization", I telephoned Pergamon Press this morning and they informed me that your paper will appear towards the end of January next.

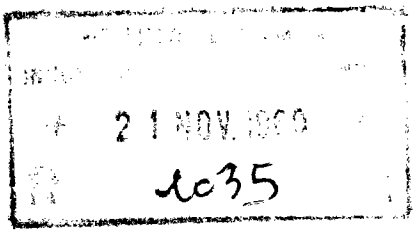
If you have filled in the form for ordering reprints which accompanied the galleys you will receive the reprints at the earliest possible moment.

Yours sincerely,

To open cut here

From Sir Robert Robinson.
Tel. Mayfair 6618.

170, Piccadilly,
London, W.1.



18th November 1960.

My dear Natta,

Many thanks for your letter of November 11th, from which I learn at the same time that you have had a very serious illness, which saddens me, and that you have taken heroic measures with it and are likely to have great improvement although a long convalescence. This is a very satisfactory outcome and we both send you our warmest good wishes for complete recovery, at least by the end of the year.

Your very kind invitations and the renewal of them are very much appreciated by me and I should like to confirm my acceptance and that I will be accompanied by my wife. If it would suit you, I would rather like to choose the period immediately after Easter, between the 5th and 10th April. The reason is that Spring may be a little more advanced then than in March and there is just a conceivable possibility that I may go on to Israel for a meeting at the Weizmann Institute. Whether my wife would accompany me to that centre I think a little more than doubtful, but I suppose it would be convenient to proceed from Rome to Tel-Aviv and I might make a very hurried visit and return to Rome if she did not wish to submit to the rigours of the further journey.

I would also like to confirm that my subject will be "The Origin of Petroleum." Whilst treating of this in the more or less conventional manner, insofar as it is possible to do so from published data, I also wish to introduce some new ideas for discussion.

With kindest regards to you and Signora Natta from Stearn and myself,

Yours very sincerely,

R. Robinson.

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

Nov.11, 1960

Sir Robert-Robinson,
170 Piccadilly,
London, W.1.

our ref.1008/lv

Dear Robinson,

It is a long time since I last wrote to you, but I have delayed until now, because the troubles which, as you probably remember, I suffered last year, and which were due to a kind of Parkinson illness, had become worse and worse, so that I decided to undergo a sugical operation. I was operated two weeks ago by a colleague of mine, Professor Maspes, a neuro-surgeon of the Milan University. I came home only a few days ago. The results have been good, but I shall have to make a long convalescence. I expect I shall start my usual activity at the Polytechnic at the beginning of January.

I purposed to write to you one of these days about the lecture I had invited you to hold at the Milan Polytechnic, with the support of the Mario Giacomo Levi foundation, when I received your letter of Nov.9, 1960.

We are much honoured that you can accept my invitation; your visit to Milan will be much appreciated also by the Istituto Lombardo di Scienze e Lettere, of which you are a member.

The date of the lecture you have suggested in your letter, that is the early Spring, is most convenient. I would very much appreciate learning the pricise day you have chosen, as soon as possible.
Also the subject matter of the lecture is very suitable and may interest a great number of people.

When you come to Milan, the Istituto Lombardo di Scienze e Lettere will be glad to organize a reception in honour of you, in their residence in the Brera building which is worth while visiting also from an artistic point of view (if you have not visited it yet).

./.

Nov. 11, 1960

I shall be very glad to meet you and Lady Robinson in Milan, in a near future.

Rosita joins me in sending you and Lady Robinson our kindest regards.

G. Natta

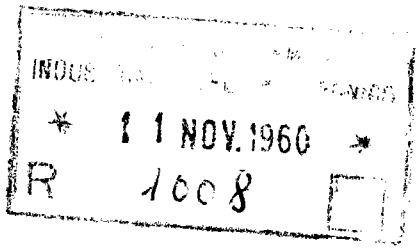
P.S. Under separate cover, I send you some reprints of our recent publications.

inviati il 16.11.60

From Sir Robert Robinson.
Tel. Mayfair 6618.

INDUS... 11 NOV. 1960 R 1008

170, Piccadilly,
London, W.1.



9th November 1960.

My dear Natta,

I hope that your health has improved in recent weeks, as I heard that you had not been very fit in the later summer.

The object of this letter is to remind you that I had left the question of a visit to Milan, for the purpose of a lecture in your Institute, to be taken up on my initiative. I had contemplated the subject of the Origin of Petroleum, on which I have some unconventional views. The preparation of this lecture has, however, been subject to considerable delay and I am not yet out of the wood. I therefore think that it would be better to postpone my visit to Milan until the New Year, unless matters undergo a transformation which I can hardly anticipate with any confidence.

Circumstances may have changed on your side but I hope that the visit is still in prospect and, if that is so, would be glad to know what kind of date you would think most convenient. So far as I know, the early spring is rather free from other commitments.

Stearn sends her warmest regards to Rosita and your good self and in conclusion may I say how earnestly we hope that you will be able to relieve our anxiety in regard to your own health.

With all good wishes,

Yours very sincerely,

R Robinson.

Non molto lieto che lei possa accettare

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

June 7, 1960

Sir Robert Robinson,
170, Piccadilly
London, W.1. (Inghilterra)

our ref. 606/lv

Dear Sir Robinson,

thank you for your kind letter of June 2, 1960, for accepting to give a lecture at the beginning of December, and for recommending the Communication of Giannini and Cesca to the publishers of Tetrahedron.

The final form of the text you sent us is quite satisfactory. However, if possible, we should like to add just a few words:

on page 2, line 6, after "needle crystals" we would add: " in which chlorine is absent".

Thus the sentence would sound: "1.1G. of intensely yellow needle crystals in which chlorine is absent, are thus isolated (Found:.....)

Wishing you all the best for your world trip, my wife and I send you and Lady Robinson our kindest regards.

Very truly yours,

G. Natta

From Sir Robert Robinson.
Tel. Mayfair 6618.

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
* - 4 GIU. 1960 *
R 606

170, Piccadilly,
London, W.1.

2nd June 1960.

My dear Natta,

I enclose the final form of the manuscript of the communication of Giannini and Cesca and hope that this will be found satisfactory. I have in any case taken the liberty to forward it to the publishers with my recommendation for publication.

In regard to my projected lecture in your Institute, I think the beginning of December would be quite suitable and I will take the initiative to fix a particular date, with your kind concurrence, after my return from Australia and the United States in later September. Unfortunately I am unable to take a holiday in the Alps this year on account of my world trip starting in August, and a visit to Yugoslavia in rather less than a fortnight. Stearn and I are very sorry that this will preclude acceptance of your invitation to visit you at one of your country houses. That would have given us very great pleasure and we are extremely grateful for the suggestion.

I hope that in the future it will be possible for us to meet together again either chez nous or chez vous. In the meantime Stearn and I send you both our very best wishes and remain

Yours very sincerely,
Robert Robinson

Impossibile
informare Pagani

rispondere [illegible]
[illegible]

professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

CYCLOPENTADIENYLTRIMETHYLTITANIUM

Umberto Giannini and Sebastiano Cesca

Istituto di Chimica Industriale del Politecnico di Milano

METALLORGANIC compounds of tetravalent titanium in which all the valences are saturated by organic groups have been isolated in the pure state only when two of the organic groups are cyclopentadienyl[1,2] or substituted cyclopentadienyl.[2]

The presence of the two cyclopentadienyl nuclei gives a particular stability to this class of metallorganic compounds. Thus, for instance, dicyclopentadienyldiphenyltitanium and dicyclopentadienyldimethyltitanium are not decomposed by water or by alcohols and are not oxidized when exposed to air.[1,2]

We have now prepared and isolated in the pure state a monocyclopentadienyl compound of tetravalent titanium in which all the valences are saturated by organic groups, corresponding to the formula $(C_5H_5)Ti(CH_3)_3$.

Reaction under nitrogen at -30°C. of cyclopentadienyltitaniumtrichloride* (4 g., 18.2 millimoles) suspended in anhydrous diethylether (100 mls.) with lithium methyl (1.32 g., 60 millimoles) dissolved in

* $(C_5H_5)TiCl_3$ prepared by us according to R. D. Gorsich[3] showed, after crystallization from xylene, m.p. 210-213°C., contrary to previous indications.[3,4]

---

1 L. Summers, R. H. Uloth, A. Holmes, J. Amer. Chem. Soc. 77, 3604 (1955)
2 D.P. 1,037,443, 28/8/1958, Farbwerke Hoechst.
3 R. D. Gorsich, J. Amer. Chem. Soc. 80, 4744 (1958)
4 O. L. Sloan, W. A. Barber, J. Amer. Chem. Soc. 81, 1364 (1959)

80 ml. of ether is accompanied by dissolution of the titanium compound to a yellow solution and precipitation of lithium chloride.

After about 2 hours the solvent is removed by evaporation and then the reaction product is sublimed at the room temperature/0.5 mm., and collected on a tube wall cooled to -70°C.

1.1 G. of intensely yellow needle crystals are thus isolated (Found: Ti, 30.4; Me,(o) 28.6; M,(oo) 165.4. $(C_5H_5)Ti(CH_3)_3$ requires Ti, 30.3; Me, 28.53%; M, 158.09).

(o) determined by measuring the volume of methane evolved on reaction with 2-ethylhexanol.

(oo) Cryoscopic in benzene.

A further purification of the product may be accomplished by recrystallization from pentane solutions at about -70°C.

Cyclopentadienyltrimethyltitanium kept under an inert atmosphere decomposes very slowly at temperatures near 0°C., and rapidly at temperatures higher than 40°C. It may be kept for a long time without significant decomposition when it is maintained at about -70°C.

Unlike $(C_5H_5)_2Ti(CH_3)_2$ and $(C_5H_5)_2Ti(C_6H_5)_2$, cyclopentadienyltrimethyltitanium quickly reacts with water and alcohols, with formation of methane, and is rapidly oxidized by air. Therefore this compound shows a reactivity similar to that of methyltitaniumtrichloride.[5] From this behaviour it is possible to deduce that, when only one cyclopentadienyl group is present in the molecule, the methyl groups are bound to titanium by means of bonds having a limited stability and a high reactivity, contrary to what happens in the case of dicyclopentadienyl derivatives.

---

5 D.B.P. 1,023,766, 16/12/1955, Farbwerke Hoechst; C. Beerman, H. Bestian, Ang. Chem., 71, 618 (1959).

From Sir Robert Robinson.
Tel. Mayfair 6618.

170, Piccadilly,
London, W.1.

529

16th May 1960.

My dear Natta,

I am sure that the communication of Giannini and Cesca, which you have sent to me, is entirely suitable for publication in Tetrahedron Letters and, indeed, we shall be very pleased to publish this important observation. It will need to go to the referee chosen by the Acting Editor, but I am quite sure that it will pass his scrutiny very quickly. We shall take the liberty of copying* the manuscript in this Office so as to put it in the form for immediate duplication by the photographic process used in the journal, but also to provide a second copy and to put in the name of the source. I am assuming from the form of the paper that you do not wish to be included as a joint author, but if I am wrong in this respect I would be very pleased to hear from you at the earliest opportunity. I also assume that the alphabetical order of names has been departed from for a good reason and is intentional.

Nothing would please us both more than to meet you again in Italy: the trouble is, however, that my journeys later in the year will be rather extensive and I have already cancelled a visit to Basle so as not to be too over-burdened with travel arrangements.

With kindest regards to you and Signora Natta, in which Stearn joins,

Yours very sincerely,

R Robinson.

* I have somewhat modified the language in places & hope this is immaterial. No sense is changed.

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

UNCORRECTED

MONOCYCLOPENTADIENYLTRIMETHYLTITANIUM

Umberto Giannini and Sebastiano Cesca

Istituto di Chimica Industriale del Politecnico di Milano

Metallorganic compounds of tetravalent titanium in which all the valences are saturated by organic groups have been isolated in the pure state only when two of the organic groups are cyclopentadienyl [1,2] or substituted cyclopentadienyl.[2]

The presence of the two cyclopentadienyl nuclei gives a particular stability to this class of metallorganic compounds. Thus, for instance, bis(cyclopentadienyl) diphenyltitanium and bis (cyclopentadienyl) dimethyltitanium are not decomposed by water or by alcohols and are not oxidized when exposed to air.[1,2]

We have now prepared and isolated in the pure state a monocyclopentadienyl compound of tetravalent titanium in which all the valences are satruated by organic groups, corresponding to the formula $(C_5H_5)Ti(CH3)_3$.

Reaction under nitrogen at -30°C. of monocyclopentadienyltitaniumtrichloride* (4 g., 18.2 millimoles) suspended in anhydrous diethylether (100 mls.) with lithium methyl (1.32 g., 60 millimoles) dissolved in 80 ml. of ether is accompanied by dissolution of the titanium compound to a yellow solution and precipitation of lithium chloride.

After about 2 hours the solvent is removed by evaporation and then at the pressure of 0.5 mm. and at room temperature, the reaction product is sublimed and collected on a tube wall cooled to -70°C.

Thus 1.1 g. of intensely yellow needle crystals are isolated. (Found: Ti, 30.4; Me,(o) 28.6; M,(oo) 165.4. $(C_5H_5)Ti(CH_3)_3$ requires Ti, 30.3; Me, 28.53%; M, 158.09).

(o) determined by measuring the volume of methane evolved on reaction with 2-ethylhexanol.

(oo) Cryoscopic in benzene.

* $(C_5H_5)TiCl_3$ prepared by us according to R. D. Gorsich[3], showed, after crystallization from xylene, m.p. 210-213°C., contrary to previous indications.[3,4]

---

1 L. Summers, R. H. Uloth, A. Holmes, J. Amer. Chem. Soc. 77, 3604 (1955).

2 D.P. 1,037,443, 28/8/1958, Farbwerke Hoechst.

3 R. D. Gorsich, J. Amer. Chem. Soc., 80, 4744 (1958)

4 O. L. Sloan, W. A. Barber, J. Amer. Chem. Soc. 81, 1364 (1959)

A further purification of the product may be accomplished by recrystallization from pentane solutions at about -70°C.

Monocyclopentadienyltrimethyltitanium kept under an inert atmosphere decomposes very slowly at temperatures near 0°C., and rapidly at temperatures higher than 40°C. It may be kept even for a long time without significant decomposition when it is maintained at about -70°C.

Unlike $(C_5H_5)_2Ti(CH_3)_2$ and $(C_5H_5)_2Ti(C_6H_5)_2$, monocyclopentadienyltrimethyltitanium quickly reacts with water and alcohols, with formation of methane, and is rapidly oxidized by air. Therefore this compound shows a reactivity similar to that of monomethyltitaniumtrichloride.[5] From this behaviour it is possible to deduce that, when only one cyclopentadienyl group is present in the molecule, the methyl groups are bound to titanium by means of bonds having a limited stability and a high reactivity, contrary to what happens in the case of bis-cyclopentadienyl derivatives.

NB (a) De mono- prefix is not required but is always assumed.

(b) di- may be used instead of bis-

5 D.B.P. 1,023,766, 16/12/1955, Farbwerke Hoechst; C. Beermann, H. Bestian, Ang. Chem., 71, 618 (1959).

11th April 1960

Sir Robert Robinson
170, Piccadilly,
London, W.1.
(Inghilterra)

our ref.378/lv

My dear Sir Robinson,

thank you very much for accepting my invitation to hold a lecture at the Milan Polytechnic next Autumn.
It will be a great pleasure and honour for us all to hear you here.

In regard to your election to the Foreign Membership of the Istituto Lombardo di Scienze e Lettere, I want to inform you that the official proposal was made by Prof.Quilico, who is a member of the Chemistry Section together with Prof.Cambi, while I am member of the Engineering Section being Professor of the Polytechnic Institute.

Naturally we all warmly supported the proposal made by Quilico.

My best wishes for your visit to Australia, and my kindest regards to you and to Lady Robinson.

Yours very sincerely,

G.Natta

From Sir Robert Robinson.
Tel. Mayfair 6618.

170. Piccadilly.
London, W.1.

378

5th April 1960.

My dear Natta,

I felt sure that my great honour of election to the Foreign Membership of the Istituto Lombardo di Scienze e Lettere was something which I owed to you and I must repeat my great gratitude for this.

Whenever you do come to London we should like to have some warning of it, so that we can see you and Signora Natta and make suitable arrangements.

In regard to your invitation to lecture, I would like to put that in cold storage for a little time in view of the large number of commitments which I have during the summer and early autumn. The chief of these is a visit to Australia in August and September. On return I will, if I may, raise the matter of your suggestion that I should give a lecture at the Milan Polytechnic.

It is possible that we may meet in some focus of interest earlier than the autumn.

With kindest regards to you and your wife from both of us,

Yours very sincerely,

Robert Robinson.

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

March 31, 1960

Sir Robert Robinson
170 Piccadilly
London W.1
(Inghilterra)

our ref.341/rl

My dear Robinson,

Thank you very much for your kind letter of March 24 and for the kind words you addressed to our research works.

We feel much honoured to count you among the members of the Istituto Lombardo di Scienze e Lettere. The number of the Foreign Members of this Academy is very small : only 4 members in the Section including Physics and Chemistry.

I gave up coming to London, for the Conference on Polymeric Progress, because I wanted to deal with original subjects, whereas our Patent Attorney did not like me to talk about some recent works of ours.

Therefore I informed the London Organizing Committee that I would have wished to hold a lecture on polypropylene fibers, considering this topic of great interest. The Committee, however, communicated me that they did not consider the topic as pertinent to the field developed in the Congress.

Thus I gave up coming to London; maybe this was a good decision, since I am so overwhelmed with duties here, that it would have been difficult for me to leave Milan now, unless I should have given up spending a short holiday in San Remo at Easter.

./.

March 31 1960

continued

Our villa near to the sea in San Remo has been heightened; the works carried out under the guidance of my wife, are nearly finished now: therefore I hope that we shall be able to give hospitality to friends, in a short time.

My wife was very glad to learn that Lady Robinson came back from America. She will write to her soon.

We would be much delighted and honoured if you can come and h ld a lecture at the Milan Polytechnic. You would be reimbursed for the travel and sojourn expences with the funds devoted by the Committee established to honour the remembrance of the late Professor Levi (who is my predecessor at the Polytechnic) to invite Foreign Professors of great renown.

My wife joins me in sending you and Lady Robinson, kindest regards.

G.Natta

From Sir Robert Robinson.
Tel. Mayfair 6618.

170, Piccadilly,
London, W.1.

24th March 1960.

My dear Natta,

Many thanks for your most valuable summary of research on Sterically Regular High Polymers, which is a very valuable addition to our library resources.

In addition I feel sure I must thank you for the nomination as Honorary Member of the Instituto Lombardo, Section of Natural Sciences and Mathematics. This is a very much prized distinction and I am particularly pleased to have this association with an Academy organised in your locality, if indeed the great City of Milan can properly be so termed. Believe me, I feel very much honoured.

I gather from the latest edition of the proceedings of the Conference on Polymeric Progress that you will not be taking part in it. If I am wrong in this and you are in England, I hope you will be kind enough to let me know and we will certainly arrange a meeting. My wife is returning from America on Tuesday next.

With kindest regards to yourself and Signora Natta,

Yours very sincerely,

Robert Robinson.

I am staggered I [illegible] continued productivity;
memoir after memoir!

Dott. Prof. Ing. G. Natta,
Via Mario Pagano 54,
Milan.

From Sir Robert Robinson.
Tel. Mayfair 6618.

170, Piccadilly,
London, W.1.

25th January 1960.

My dear Natta,

Many thanks indeed for the off-print of your interesting review on Stereospecific Polymerisation. It is very useful to have this authoritative summary in such convenient form.

With kindest regards to you and Mrs. Natta,

Yours very sincerely,

R Robinson

Professor G. Natta,
Via Boccaccio 37,
Milan.

We had an enjoyable Xmas with at Cortina & then Venice -

PERGAMON PRESS LIMITED
Headington Hill Hall,
Oxford.

Telephone: OXFORD 64881

IS/PL

15th June, 1960.

Professor G. Natta,
Istituto di Chimica Industriale del
Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

Dear Professor Natta,

Tetrahedron Letters

Sir Robert Robinson has written to me requesting an addition to your current communication in Tetrahedron Letters. Luckily Sir Robert's request reached me before the issue (No.14) had been sent to press and I was able to add the extra wording but only as a footnote. The sentence now reads "1.1 G. of intensely yellow needle crystals* are thus isolated (Found:....." and a footnote reads "*in which chlorine is absent".

I trust that this amendment proves satisfactory.

Yours sincerely,

I. Stuart.
Sub-Editor.
Tetrahedron Letters

DIRECTORS
CAPT. I. R. MAXWELL, M.C. (CHAIRMAN & MANAGING) . C. T. CLARK . E. J. BUCKLEY
HEAD OFFICE: PERGAMON HOUSE, 4 & 5, FITZROY SQUARE, LONDON, W.1. TEL: EUSTON 4455

TELEPHONE
MAYFAIR 6618.

170, PICCADILLY
LONDON · W·1

13th June 1960.

Dear Professor Natta,

Sir Robert Robinson is leaving shortly for Brussels and Yugoslavia and has asked me to thank you for your letter of the 7th June regarding an addition to the paper by Giannini and Cesca.

A request for this addition to be inserted has been forwarded to the Editor of Tetrahedron Letters, who will be writing to you direct on this matter. It may be that the addition will have to take the form of a footnote, since the paper had been submitted in a form from which it could be directly photographed for publication.

Yours faithfully,

Secretary to Sir Robert Robinson.

Professor G. Natta,
Istituto di Chimica Industriale del Politechnico,
Piazza Leonardo da Vinci 32,
Milan.

Inglis

19 January 19[illegible]

I. Stuart, Esq., Sub.Editor
[illegible] Press Ltd.
Wedington Hill Hall,
[illegible] (England)

our ref.3[illegible]/cg

Dear Mr. Stuart,

I wish to [illegible] for the two copies of the page proofs you [illegible], [illegible] arrived here yesterday.

It will be [illegible] appreciated if reprints will be sent to us as soon as available.

[illegible]

[illegible]

PERGAMON PRESS LIMITED
Headington Hill Hall,
Oxford.
Telephone: OXFORD 61497

IS/PL

13th January, 1960.

Dr. G. Natta,
Istituto Di Chimica Industriale,
Del Politecnico,
Piazza Leonardo Da Vinci, 32,
Milano,
Italy.

38

Dear Dr. Natta,

Tetrahedron

Thank you very much for your letter of the 7th January which was addressed to Captain Maxwell. I am replying on behalf of Captain Maxwell and as the Sub-Editor of Tetrahedron.

We are not yet able to supply reprints of your article as the issue in which it is published has not yet appeared. Therefore, I am also unable to supply you with a copy of the issue but I am sending along two copies of the page proofs and I hope that these will be satisfactory until your reprints come through.

Yours sincerely,

I. Stuart.
Sub-Editor.
Journals Department.

DIRECTORS
CAPT. I. R. MAXWELL, M.C. (CHAIRMAN & MANAGING) · C. T. CLARK · E. J. BUCKLEY
HEAD OFFICE: PERGAMON HOUSE, 4 & 5, FITZROY SQUARE, LONDON, W.1. TEL: EUSTON 4455

June 12, 1967

Mr.A.Pickett,
Rubber & Plastics Age,
Tenterden, Kent (Inghilterra)

Dear Mr.Pickett,

Thank you very much for kindly sending me copy of your paper published in CATALYST 18 - Spring 1967 - and for the many flattering references to my work.

Kindest regards to you and Margaret also from Rosita.

Giulio Natta

Nov. 22, 1960

Michael M. Robertson Esq.
Chemistry Dept.
University
Aberdeen (Scotland)

our ref. 1030/lv

Dear Mr. Robertson,

I was sorry to learn from your letter of November 19, that the reprints I had sent to you a few months ago, have been somehow lost.

I have mailed other copies of the reprints to-day and I hope you will receive them in due time.

Very truly yours,

R. Lamma
(secretary to Prof. Natta)

Inghilterra

Chemistry Department,
University of Aberdeen,
Aberdeen,
Scotland.

Nov.19, 1960.

Prof. G. Natta,
Instituto di Chimica industriale del Politecnico, 1030
Milan,
Italy.

Dear Prof. Natta,

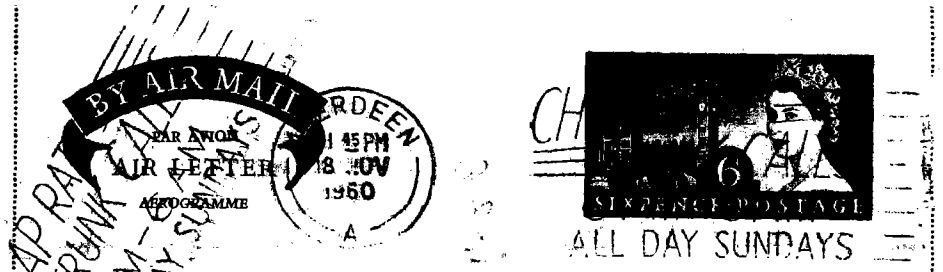
With regard to your letter of Sept.8, 1960, (ref.810/lv) I regret to inform you that I have not yet received the reprints. Since they appear to have been lost in transit, I would be very grateful if you would send me other reprints.

Yours faithfully,

Michael M. Robertson.

Michael M. Robertson.

Inviati il 22.11.60



Professor G. Natta,

Istituto di Chimica industriale del

Politecnico,

Piazza Leonardo Da Vinci, 32,

Milan,

ITALY.

First fold here

Second fold here

Sender's name and address: M. Robertson, B.Sc.,

Chemistry Deptartment,

University of Aberdeen,

Aberdeen, SCOTLAND.

AN AIR LETTER SHOULD NOT CONTAIN ANY ENCLOSURE; IF IT DOES IT WILL BE SURCHARGED OR SENT BY ORDINARY MAIL.

open at

Sept. 8, 1960

Mr. Michael Robertson,
Chemistry Dept.
The University,-
Aberdeen, Scozia

our ref. 810/lv

Dear Mr. Robertson,

With regard to your request of Aug. 20, under separate cover, I send you the reprints of some publications of ours, concerned with the stereospecific polymerizations, performed in the presence of catalysts acting in the homogeneous phase.

With my best regards,

G. Natta

1961

July 20, 1961

Mr.H.I.Bach, Ph.D.
Medical and Scientific Division
Butterworths
4-5 Bell Yard
Temple Bar
London W.C.2 (Inghilterra)

our ref.677/r1

Dear Mr.Bach,

with regard to your kind letter (HIB/PT/33/59) of July 12, I am glad to inform you that Prof.Natta has no objection to your reproducing figure 3 of his paper published in Journal of Polymer Science 34, 539 (1959) in "Progress in Stereochemistry - 3".

With my best regards,

R.Lauma
secretary to Prof.Natta

BUTTERWORTHS

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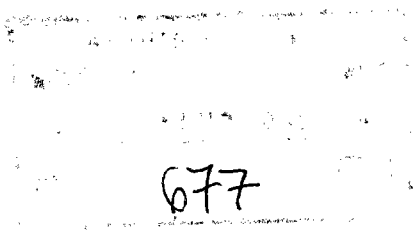

HIB/PT/33/59

12th July, 1961.

Dr. G. Natta,
Istituto Chemica,
Industriale del Politecnico,
Milano,
Italy.

Dear Sir,

Progress in Stereochemistry - 3

We have in course of preparation a book bearing the above title in which the author wishes to reproduce

Figure 3 (page 539) of your article in Journal of Polymer Science, Volume 34.

Formal permission has already been granted by the publishers, provided that you are also in agreement, and I would therefore be grateful if you will grant your consent; acknowledgement as to source will, of course, be made.

Yours faithfully,

H. I. Bach

H. I. Bach, Ph.D.,
Medical and Scientific Division.

England

July 4, 1961

Miss Christine Wills,
Medical & Scientific Division
Butterworths,
4-5 Bell Yard,
Temple Bar
London, W.C.2 (Inghilterra)

our ref.647/lv

Dear Miss Wills,

With regard to your kind letter (ECW/PT/1/60) of June 21, I am glad to inform you that Professor Natta has no objection to your reproducing figures 4 and 5 of his (and coworkers') paper published in Polymer Sci., 34, 685 (1959), in " Block and Graft Copolymers " by Dr.Ceresa.

With my best regards,

R.Lamma
secretary to Prof.Natta

BUTTERWORTHS

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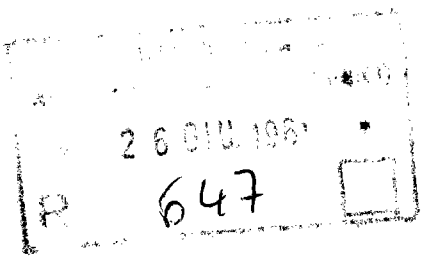
TEMPLE BAR
LONDON, W. C. 2



ECW/PT/1/60

21st June, 1961.

Dr. G. Natta,
Instituto Chimica Industriale del Politecnico,
Milano,
Italy.

Dear Dr. Natta,

Block and Graft Copolymers

We are preparing for publication the above volume by Dr. R.J. Ceresa of the National College of Rubber Technology, London. Dr. Ceresa would like to include Figures 4 and 5 from your paper with Dr. E. Beati and Dr. F. Severini which appeared in The Journal of Polymer Science, 1959, Vol.34, p.685.

May we have your kind permission to reproduce these figures. We have been in touch with the publishers who have given formal permission.

Yours sincerely,

Christine Wills

Christine Wills,
Medical and Scientific Division.

Jan. 2, 1961

Mr. David E. Gushee,
Associate Editor
European Office,
Chem. & Engineering News,
Bush House
Aldwych,
London W.C. 2.

Dear Mr. Gushee,

Thank you for your letter of December 22, 1960. As communicated in the wire I sent to you on the 30th of December, I herewith enclose the manuscript slightly modified.

In accordance with an Italian custom, please write Prof. Natta, and not Dr. Natta.

With my best wishes and regards,

M. Farina

Encl/

May 25, 1961

Mr. Ion Edeleanu,
55 Park Lane (Apt. 103)
London W.1. (Inghilterra)

Dear Mr. Edeleanu,

Further to my letter of Oct. 11, 1960, I send you, under separate cover, one reprint of the lecture held by Dr. Crespi at the 2nd International Synthetic Rubber Symposium - Oct. 1960 -

No reprint of the lecture: Physical and Technological Properties of cis-Polybutadiene" is available up to now.

In addition, I also send you two reprints of papers concerned with the same subject-matter.

Yours very truly,

R. Lamma
(secretary to Prof. Natta)

Oct. 11, 1960

Mr. Ion Edeleanu,
55 Park Lane (Apt. 103)
London W.1. (Inghilterra)

Dear Mr. Edeleanu:

With regard to your letter of Sept. 29, I am sorry to inform you that I have no copies of the two lectures which are going to be given at the London Synthetic Rubber Symposium.

I shall care to send you reprints of them as soon as available. In the meantime, I send you their abstracts.

Yours very truly,

[illegible]
(secretary to Prof. Natta)

Encl/

ION EDELEANU

55 PARK LANE (APT. 103)

LONDON W. 1.

TEL. GROSVENOR 2172.

29th September, 1960.

Dr. R. Lamma,
Istituto Politecnico,
Piazza Leonardo da Vinci 32,
Milano.

Dear Miss Lamma,

Would you be so kind as to present my compliments to Professor Natta and ask him if it would be possible for you to send me advance texts of the two lectures which he will give at the Second International Synthetic Rubber Symposium in London. If the full texts of the lectures are not yet available, I would be grateful if you would send me the abstracts. Further, if you have only one copy available, please send it to me, and after making a photostat I shall faithfully return it to you.

Let me thank you in advance for your kindness, and I remain much obliged, with my best greetings,

Yours sincerely,

Ion Edeleanu.

Ion Edeleanu.

P.S. The titles of the two papers are:-
"Physical and Technological Properties of cis-Polybutadiene";
"Vulcanisation and Elastomeric Properties of Ethylene-Propylene Copolymers".

IE/PP

ION EDELEANU
55 PARK LANE (APT. 103)
LONDON W. 1.
TEL. GROSVENOR 2172.

13th October, 1960.

Dr. R. Lamma,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci, 32,
Milano.

Dear Dr. Lamma,

Thank you for the abstracts of the two papers which Professor Natta is scheduled to present at the Second International Synthetic Rubber Symposium. I am very glad to have the abstracts, but hope that in due course you will send me the whole texts, either as reprints or as typed texts which I should return to you after photostatting.

Sincerely,

Ion Edeleanu.

Ion Edeleanu.

IE/PP

DOTT. ING ANTONIO GIACHIN

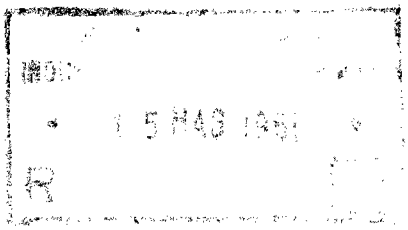
TELEGRAPHIC & TELEX: 29229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 13 Maggio, 19 61.



Preg.mo Signor
Prof. G. Natta,
Politecnico di
Milano.

Gentile Professore,

ritenendolo per Lei interessante, in allegato mi pregio rimetterLe stralcio dal "Chemical Age" in data di oggi, all'argomento:

- N.P.L. Research on Polymers Will Yield Practical Data for New Applications.

Con ossequio,

A. Giachin

un allegato.

DOTT. ING ANTONIO GIACHIN

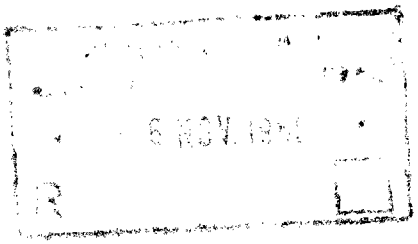
TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG, LONDON, W.1

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 3 Novembre, 1961.



Preg.mo Signor
Prof. G. Natta,
Istituto di Chimica Ind.le del
Politecnico,
Piazza Leonardo da Vinci,
Milano.

Gentilissimo Professore,

in allegato, mi pregio rimetterLe articolo apparso sul "Financial Times" di oggi, all'argomento:

- New Materials for Industry.

Mi creda, con ogni mio migliore ossequio,

A. Giachin

un allegato.

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG, LDN.

CABLE ADDRESS: GABBROENG, LONDON, W.1

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 29 Settembre, 19 61.

795

Preg.mo Signor
Prof. G. Natta,
Istituto di Chim. Ind.le del
Politecnico,
Milano.

Espresso

Gentilissimo Professore,

La ringrazio per la cortese Sua No. 776/RL del 26 u.s. e, per brevità, mi permetto allegare copia della lettera da me oggi inviata a Mr. Pickett, dalla quale Ella potrà desumere l'intelaiatura della cerimonia.

Le comunicherò senz'altro, dopo essermi messo in contatto con gli interessati che conosco personalmente, il contenuto del discorso di presentazione della Sua personalità fatto da Sir Robert Robinson, nonchè quello relativo al conferimento della medaglia d'oro che sarà tenuto da Sir Edward Beharrell, riservandomi di predisporre, anche con l'aiuto di Mr. Pickett ove necessario, una risposta che Ella potrà modificare o completare a Suo piacimento.

Mentre mi riservo di precisarLe la sistemazione d'albergo per il Dr. Beati e la Signora - e il momento è difficilissimo per Londra), La pregherei di indicarmi se Ella desidera che pure essi intervengano al banchetto e penso che non avrei difficoltà a rendere la cosa possibile.

Il Suo nome non è stato ovviamente menzionato nell'elenco delle persone che terranno dei discorsi; ciò non toglie che non vi siano limitazioni di sorta a quanto Ella desiderasse dire in risposta ai discorsi pronunziati.

./.

seguito alla lettera del 29/IX/1961 al Sig.Prof.Natta, Milano.

Le sarò anche grato se vorrà confermarmi che ho interpretato il Suo pensiero per quanto si riferisce alle Sue relazioni con la stampa.

Come Ella già sa, alla colazione che Sir Robert Robinson offrirà in Suo onore alle ore 13 di Mercoledì 4 Ottobre al ristorante del Savoy Hotel parteciperanno circa otto o nove persone, di cui non conosco ancora i nomi.

Mi creda, con ogni migliore ossequio anche per la gentile Signora Natta,

A. Giachin

Ing. Dott. ANTONIO GIACHIN
DELEGATE FOR THE U.K. OF "MONTECATINI, S.p.A. - MILAN

COPY

29th September, 61

A.J.Pickett Esq.,
Rubber & Plastics Age,
Tenterden,
Kent.

Dear Mr.Pickett,

I have scrapped the letter which was already prepared for you, and wish to summarise herewith the agreement we could make so far in respect of Prof.Natta's visit.

(a) Provided there is nothing to the contrary on the part of Rubber and Plastics Age, or you have any special wishes to see to it as the guests of the occasion, I will provide a car and receive Prof.Natta at the airport when he arrives on Monday the 2nd October, at a time which has not yet been fixed, but which I look forward to communicating to you.

(b) After seeing him to the Savoy Hotel I will outline to him -

(1) that by 6 p.m on the 3rd October you might call to welcome him to London and to give him any clarifications which may be necessary.

(2) That he and Mrs.Natta should join the Reception at around 19.40, thus being in a position to renew his old acquaintances, and be introduced to any particular persons you may wish to present to him.

(3) I am getting in contact with Sir Robert Robinson's Secretary as well as Sir Edward Benarrel's Secretary with a view to possibly knowing in advance the contents of their introductory and awarding speeches, and perhaps I may make recourse to your assistance for the preparation of a short, but pertinent, reply by Prof.Natta.

(4) I think that my wife and myself would be happier not to be sitting at the top table, but to be in a strategic position to Prof.Natta.

(5) I feel that it would be perhaps too engaging to prepare a programme of visits or interviews during his stay in London, but as I am sending to Prof.Natta a copy of this letter he

will certainly let you have his views in this respect, especially in so far as the Press are concerned. As you know Prof. Hatta's English is not fluent, and Press people might be too quick in misunderstanding and misinterpreting. The problem of the relations with the Press could, however, be solved, if necessary, with a prepared text.

(6) I am looking forward to making the necessary arrangements for Prof. and Mrs. Hatta's departure from the Savoy and from London.

Whilst thanking you very warmly indeed, also on behalf of Prof. Hatta for all your help, I look forward to keeping you constantly informed about any changes or special wishes which may be expressed to me.

Believe me, I am, with kindest regards,

Yours very sincerely,

COPY

A.G. Adkin

26.9.1961

Mgr.Dr.Ing.A.GIACHIN
10 Upper Grosvenor Street
L o n d o n W.1. - Inghilterra

Prot.N.776/rl

Egregio Ingegnere,

La ringrazio per le sue gentili lettere e Le confermo che prevedo di venire a Londra il giorno 2 ottobre. La Montecatini La informerà direttamente circa l'ora del arrivo.

Per quanto riguarda le parole di ringraziamento che dovrò pronunciare durante il Dinner, sarà necessario, data la mia, scarsa conoscenza dell'inglese, che prepari il testo in precedenza in modo che possa leggerlo al momento opportuno. E' probabile anche che io debba dire due parole anche dopo le parole che, secondo quanto mi ha scritto Pickett, pronuncerà Sir Robinson. Se Lei potesse sapere che cosa dirà Mr. Bell sarebbe più facile per me preparare in precedenza una risposta .

L'ing.Giustiniani mi comunica copia della Sua lettera relativa a Mr.Ashley. Potrò incontrarlo a Londra il giorno 3 prima del Dinner oppure il giorno 4.

Poichè mio cugino Dr.Beati e Signora ci accompagneranno privatamente a Londra, La pregherei di voler gentilmente pensare a loro nome una camera a due letti al Savoy o in un altro albergo sempre dal 2 al 5 ottobre. La ringrazio anche delle notizie che mi ha inviato sull'impiego del PP annorto negli adesivi. La prego di ringraziare vivamente Mr.Pickett per le gentili lettere che mi ha scritto a Lei e a me e tranquillizzarlo che non ho nessuna speciale dieta da seguire.

Lieto di rivederLa presto a Londra e ringraziandoLa molto, Le invio molti cordiali saluti.

G.NATTA

DOTT. ING ANTONIO GIACHIN

Delegate for the United Kingdom of
"MONTECATINI" S.p.A.
Incorporated with limited liability in Italy

TELEGRAPHIC & TELEX: 23229 GABBROENG, LDN.

CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 23. Settembre 1961

776

Ch.mo Signore
Prof. Giulio Natta
Istituto di Chimica Industriale
del Politecnico
Via Leonardo da Vinci, 32
M i l a n o

Gentilissimo Professore,

Ella avrà già avuto conferma della prenotazione di una stanza doppia con bagno all'Hotel Savoy dove ho insistito per farLa alloggiare per Sua comodità. D'altra parte Ella sarà già stato informato che Ella è l'ospite di onore di "Rubber & Plastics Age" al Synthetic Rubber Dinner al Savoy la sera del 3 Ottobre e, pertanto, gli organizzatori mi hanno restituito le quote di iscrizione da me inviate per Lei e la gentile Signora Natta.

Infine desidero confermarLe, insieme con i miei rallegramenti più vivi e sentiti, che Le è stata conferita la prima Medaglia d'Oro dell'International Synthetic Rubber.

Ella può contare su di me in ogni senso anche durante il banchetto al quale ho deciso di intervenire per poter essere a Sua disposizione.

L'Albergo è fissato dal 2/X al 5/X/61 in assenza di Sue precisazioni relativamente alla durata del Loro soggiorno a Londra. Nell'eventualità di cambiamenti di programma, La pregherei di farmeli telexare al più presto perchè questo è un momento difficile per Londra dal punto di vista alberghiero, e La prego di accogliere, insieme con la gentile Signora Natta, i miei migliori ossequi.

A. Giachin

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG, LDN.

CABLE ADDRESS: GABBROENG, LONDON, W.1

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 23 Settembre, 19 61.

777

Preg.mo Signor
Prof. G. Natta,
Istituto Chim.Ind.le del Politecnico,
Milano.

Gentilissimo Professore,

faccio seguito alla mia di ieri e, per Sua opportuna conoscenza, mi pregio allegare fotocopia della lettera AJP/CH in data di ieri di Mr. A. Pickett di Rubber & Plastics Age.

In particolare, Ella noterà il paragrafo relativo alla possibilità di dover brevemente rispondere a Sir Edward Beharrell che Le presenterà la medaglia.

Mi creda, con ogni migliore ossequio,

A. Giachin

un allegato.

Telegrams & Cables : PICKETT, TENTERDEN

Telephone : BIDDENDEN 465

RUBBER & PLASTICS AGE

(Proprietors : Rubber & Technical Press Ltd.)

THE MONTHLY JOURNAL OF THE HIGH POLYMER INDUSTRY

Editorial Office

YOUR REF.

OUR REF.: AJP/CH

TENTERDEN, KENT,

ENGLAND

22nd September, 1961.

13/9

Dott. Ing A Giachin,
10 Upper Grosvenor Street,
London W.I.

Dear Dr. Giachin,

I have this week received a letter from Ing. Giustiniani informing me that Professor and Mrs. Natta will be coming in person to the Synthetic Rubber Dinner on October 3rd. As you will have heard, Professor Natta is to receive the First International Synthetic Rubber Award.

I understand from Miss Jean Thomas in our London Office that you have been discussing how to make Professor Natta's stay as comfortable as possible and we will naturally do all we can to co-operate with you in every way. I was delighted to hear that you yourself will be coming to the Dinner and I shall look forward to meeting you again on that occasion. There will be a private bar for the distinguished guests and we will let you know exactly where this is. Most of the guests will be arriving soon after 7 p.m., but the actual Dinner itself does not start until 7.45 p.m. Professor Natta may, therefore, prefer to remain in his room a little longer so that the evening might be a little less tiring for him.

We are not asking Professor Natta to make a speech, but I expect that he would like to say a few words after he has received the Medal from Sir Edward Beharrell, the Chairman. I think we could safely leave the decision to him on this matter.

I should be most grateful if you could keep me informed of the Professor's arrival time and movements and also where I can get in touch with you during his stay in London. I should be happy to call on him at his hotel at any time if I can be of any help. Would you also please let us know if Professor Natta has any special dietary requirements for the Dinner. I enclose a copy of a letter I have just written to him in Milan which I think is self explanatory.

With kindest regards, Yours sincerely,

Alan Pickett

LONDON OFFICE (Advertisement & Circulation Departments): Gaywood House, Great Peter Street, London, S.W.1, England
Tel.: ABBey 2447

al Sig. Prof. NATTA
copia per conoscenza.

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MI085 GABBRO

GAVVSOENG LDN

16

SEGRETERIA SIG ING GIUSTINIANI DA LDN 20/9/61

20.9.61

PREGOVI VOLER COMUNICARE PROF NATTA CHE SUA

SISTEMAZIONE I ALBERGO IN CAMERA DOPPIA EST

FISSATA PRESSO SAVOY HOTEL DAL 2 AL 5 OTTOBRE

P V

GRAZIE SALUTI

GIACHIN

+

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG, LONDON. W.1.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 17 Luglio 1961

Gent.mo Signor
Prof. Giulio Natta
Istituto di Chimica Industriale del
Politecnico
Piazza Leonardo da Vinci
Milano

Gentilissimo Professore,

ritenendolo per Lei interessante, mi pregio inviarLe, in allegato, stralcio dal "Chemical Age" del 15 Luglio 1961, all'argomento:

- U.S. Theoretical Study Throws New Light On Structure of Polymer Crystals.

Distinti saluti

A. Giachin

vd/ un allegato

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 30 Gennaio, 19 61.

Preg.mo Signor
Prof. G. Natta,
Istituto di Chimica Ind.le
del Politecnico,
Milano.

Gentile Professore,

ritenendoli per Lei interessanti, in allegato mi pregio rimetterLe stralci dal "Chemical Age" del 28 u.s.

Con ossequio,

all.

A. Giachin

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG, LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 7 Gennaio, 19 61.

24

Preg.mo Signor
Prof.Natta,
Istituto di Chimica Ind.le
del Politecnico,
P.zza Leonardo da Vinci,
Milano.

Gentile Professore,

ritenendolo per Lei interessante, in allegato mi pregio rimetterLe stralcio dal "Chemical Age" di oggi, all'argomento:

- Natta Produces New Class of Polymers.

Con ossequio,

A. Giachin

un allegato.

Prof Natta

Stralcio dal "Chemical Age" del 7/1/1961.

NATTA PRODUCES NEW CLASS OF POLYMERS.

A new class of stereoregular polymers has been produced by Prof. G. Natta and co-workers. The polymers are optically active and have two asymmetric centres in each monomeric unit which are produced in a sterically regular way by an optically active catalyst used in the polymerisation.

This is the first example of the synthesis of optically active polymers from symmetrical monomers, according to Prof.Natta, who describes them as tritactic. The starting point for the polymers is an ester of a substituted butadiene carboxylic acid such as sorbic acid and β-styrylacrylic acid. A structure analogous to the trans-1,4 polybutadiene is produced.

Inglese

MINNESOTA MINING AND MANUFACTURING COMPANY

CENTRAL RESEARCH DEPARTMENT
3M HOUSE
WIGMORE STREET
LONDON, W.1, ENGLAND
TELEPHONE HUNTER 5522

venuto il 28/4/61 visto Crespi

L.O./B-46

INDUSTRIALE ... 21 APR. 1961 R

April 19, 1961

Luisa
quando telefonerà salutalo da parte mia - Digli che il Prof. lo ringrazia molto e se vuole, potrebbe parlare con Mazzanti
Rof
Crespi

Dr. Lamma,
Politecnico di Milano,
Instituto di Chimica Industriale,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

Dear Dr. Lamma,

I trust that you will remember my name from past correspondence with Prof. Natta. Prof. Joe Park of the University of Colorado, who recently visited with you in Milano, told me that, unfortunately, Prof. Natta is still not quite recovered from his recent operation. It is for this reason I thought I should perhaps not plan on importuning him at this time with a visit although I am coming to Milano next week, but I wanted to drop you a line and mention that I expect to pay a short visit to the Politecnico, at which time I shall call at your offices and look forward to talking to you for a little while in the absence of the Professor.

Would you, in the meantime, be kind enough to convey my very best personal regards to Prof. Natta, in case you happen to talk to him.

Yours sincerely,

A E Laurence

Dr. A.E. Laurence
Manager, European Office
Central Research

Ha scritto anche a Mazzanti a Ginevra

AEL/MAM

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Nov. 14, 1960

Dr. A. E. Laurence, Manager,
European Office,
Central Research,
Minnesota Mining and Manufacturing
3M House
Wigmore Street,
London W.1. (Inghilterra)

your ref. L.O./2E-76
our ref. 1005/lv

Dear Doctor Laurence:

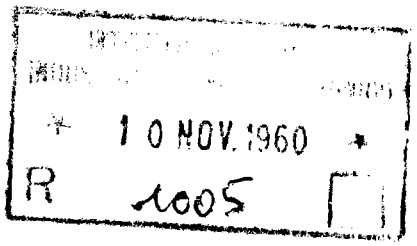
With regard to your letter of November 8, I am sorry to inform you that I do not have any copy of the lecture presented at the German Rubber Congress, in the English language.

Sorry not to be able to help you in this matter, I send you my best regards.

G. Natta

MINNESOTA MINING AND MANUFACTURING COMPANY

CENTRAL RESEARCH DEPARTMENT
3M HOUSE
WIGMORE STREET
LONDON, W.1, ENGLAND
TELEPHONE HUNTER 5522



November 8, 1960
(dict. Nov. 3)

L.O./2E-76

Prof. G. Natta,
Politecnico di Milano,
Instituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

Dear Prof. Natta,

Our colleagues in the United States would very much like to obtain a copy of your lecture at the German Rubber Congress in Berlin in October in the English language. Do you happen to have a spare copy available which we could forward to them or, alternatively, a copy which we could "THERMO-FAX" and send to them, returning the original English text to yourself.

Your help in this matter would be greatly appreciated.

Yours sincerely,

A.E. Laurence M.

In the absence of Dr. A.E. Laurence
Manager, European Office
Central Research

AEL/MAM

MAKERS OF "SCOTCH" BRAND PRESSURE-SENSITIVE ADHESIVE TAPES • "SCOTCH" BRAND ELECTRICAL PRODUCTS • "SCOTCH" BRAND MAGNETIC TAPE • "SCOTCHGARD" BRAND STAIN REPELLER • "SCOTCHLITE" BRAND REFLECTIVE SHEETINGS • "THERMO-FAX" BRAND COPYING MACHINES AND COPY PAPER • "SASHEEN" BRAND RIBBON
"3M" ABRASIVE PAPER AND CLOTH • "3M" ADHESIVES AND COATINGS • "3M" ROOFING GRANULES • "3M" CHEMICALS

Dec.17, 1962

Captain Robert Maxwell, M.C.
Publisher at Pergamon Press,
Headington Hill Hall,
Oxford (Inghilterra)

Dear Captain Maxwell,

I wish to thank you warmly for the book you kindly sent to me, which I will read with interest.

Rosita joins me in sending you and your very nice family best wishes for Christmas and for the new year.

Giulio Natta

Desidero ringraziarLa vivamente per il libro da Lei inviatomi che leggerò con interesse.
Colgo l'occasione per inviare a Lei alla Signora e a tutta la Sua simpaticissima famiglia, anche da parte di Rosita, i più vivi auguri per le prossime feste.

G.Matta

from Sir Robert Robinson
Gt. Missenden 2465

Grimm's Hill Lodge
Great Missenden
Bucks.

27 DEC 1962

Dec. 17th 1962.

My dear Natta,

It was most kind of you to offer us hospitality in Milan but we had already made arrangements and we hesitated to let you take so much trouble on our account just before Christmas.

However it is a great pleasure to know that we shall meet and we are both glad to accept your very kind invitations.

With kindest regards to you & your wife,

yours ever,

Robert Robinson.

Oct. 13, 1961

Sir Robert Robinson,
170 Piccadilly,
London S.W.1. (England)

Dear Sir Robert,

On my return to Milan, after a short stay in Paris, I wish to express my sincere thanks for the kindnesses and courtesies you extended to me and to Rosita on our stay in London. They truly touched me very much.

I am greatly honoured at having beeng chosen for the Gold Medal awarded by the Rubber and Plastics Age for my research on synthetic rubber.

I also felt extremely honoured by the flattering words you said in the evening of the dinner.

Rosita joins me in sending you and ~~Lady~~ Stearn ~~Robinson~~ kindest regards. We hope to meet you again at Easter in Sanremo.

Sincerely yours,

G. Natta

June 14, 1961

Sir Robert-Robinson,
170 Piccadilly,
London S.W.1 (Inghilterra)

GN/lv

Dear Sir Robinson,

Please, excuse me if only now I write to you after your coming to Milan. I wish to thank you warmly both for the interesting lecture you held in Milan, and for the poem on polypropylene you kindly sent to me.

My silence depends on the fact that we went through a time full of worries. Rosita was operated on for a cyst, and was compelled to stay at the hospital for over a fortnight. The operation was not serious, but very binding; only now she is recovering.
Also my illness is getting worse: therefore I invited Professor David from Paris, who is the best-neurologist-in France, and Sir Russelbrain from London, to visit me in Milan.
Both of them advised me to undergo another operation, but performed by a method different from that adopted last October. Russelbrain's advice most encouraged my previous decision to be operated on again, since he is not a surgeon.
It is possible that I shall be operated on in Paris at the end of this month.

Under separate cover, I send you some reprints of papers of ours, mostly Communications to the Editor, since I have had no time to write more complete papers.

Rosita joins me in sending you and Lady Robinson kindest regards.

Yours very truly,

G.Natta

Milano
16/6/61

March 2[illegible], 1961

Sir Robert Robinson,
170, Piccadilly,
London, W.1.

our ref. 197/lv

Dear Robinson,

Thank you for your kind letter of March 8, from which I learn that you have rooms reserved for you in the Hotel Duomo.

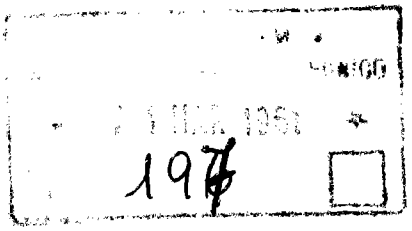
Rosita will be very glad to meet Stearn and Stephanie. Please, ring me up at home as soon as you arrive in Milan (Tel. number 486.308).

Glad to meet you again soon, I am

Very truly yours,

G. Natta

From Sir Robert Robinson.
Tel. Mayfair 6618.



170, Piccadilly,
London, W.1.

8th March 1961.

Dear Natta,

Many thanks for your letter of March 1st. Our travel arrangements have been in the hands of travel agents in London, who have reserved rooms for us in the Hotel Duomo. These are of the type which we always prefer, namely two single connected rooms with bath. It was very kind of you to book a room at the Hotel Manin, but I think it would be most convenient to cancel that accommodation and to retain that already ordered on our behalf.

In any case our present plan is to arrive on Sunday, the 9th, and to leave on the 11th, so that rooms for only the 9th and 10th would be required. We are supposed to be leaving on Tuesday, the 11th, for Rome and Tel Aviv.

All this is entirely without prejudice to arrangements which my wife may be making and which include similar travel for her daughter, Stephanie. It is really quite complicated, because the travel agent who is operating for Stephanie's arrangements is not the same one that I am using myself, although I believe they are in adequate communication.

As all this is rather out of my hands, I must allow events to work themselves out. It is quite on the cards that Stearn will be able to prolong her trip or modify it in some way, but so far as I am concerned there are certain peremptory appointments which I must respect. For example, I cannot possibly be away from London on the 7th April and I should arrive back on the 18th. The 12th and 13th are compulsory days for me in Tel Aviv.

Rosita's very kind invitation to visit San Remo with you is one of the things that can only be discussed with Stearn. So far as I am concerned, I fear the schedule is a little too tight to enable me to take advantage of your extremely attractive invitation. What Stearn and Stephanie can manage remains on the knees of the gods.

I am looking forward to the visit to Milan and to meeting you and Rosita again and we send our warmest regards to both.

Sincerely yours,

Robert Robinson

3597 R95

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

March 1, 1961

Sir Robert Robinson,
170, Piccadilly,
London, W.1. (Inghilterra)

our ref.99/lv

Dear Robinson,

Thank you for your letter of Feb.6th.

I am ghad that the-programme we have planned for your and Stearn's stay in Milan is agreeable to you.

I-have booked a-room for you at the Hotel Manin for the nights from April 8th to 11th, and I hope it will suit you both.

Please, let me know whether you expect to come to Milan before April 8th.

Looking forward to meeting you and Stearn again soon, Rosita and I send you our kindest regards.

G.Natta

From Sir Robert Robinson.
Tel. Mayfair 6618.

170, Piccadilly,
London, W.1.

8 FEB
99

6th February 1961.

Dear Natta,

Many thanks for your letter of February 2nd.

In regard to the lecture, I shall have just two or three slides of the usual English size (approximately 8.2 cm. square).

The programme for the afternoon is very agreeable to me. In regard to Stearn, I think we had both better have an open mind, as, when she meets Rosita, other possibilities may conceivably emerge.

We both send you and your wife warmest regards and we are looking forward to the occasion with the greatest pleasure.

I am not yet sure in which Hotel we shall be staying.

Sincerely yours,

Robert Robinson

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

February 2, 1961

Sir Robert-Robinson,
170 Piccadilly,
London, W.1. (Inghilterra)

our ref.9/lv

Dear Robinson,

Thank you for your letters of Dec. 29, 1960 and Jan. 30, 196

I wish to confirm you that you will give your lecture on "The Origin of Petroleum" at the Milan Polytechnic on April 10, 1961, at 11 a.m.

In the afternoon you will be invited to a reception in honour of you, at the Istituto Lombardo di Scienze e Lettere. On such occasion, you can also visit, if you are interested in, the Brera picture-gallery which is in the same building of the Istituto Lombardo di Scienze e Lettere.

Kindest regards to you and to Lady Robinson also from Rosita; we are very glad to meet you both again in Milan.

Yours sincerely,

G. Natta

From Sir Robert Robinson
Tel. Mayfair 6618.

170, Piccadilly,
London, W.1.

30th January 1961.

My dear Natta,

I am extremely grateful to you for sending me the fine collection of reprints of your important work and that of your associates.

I am looking forward with the greatest pleasure of anticipation to our short visit to Milan, and so is my wife. We both send you and Signora Natta our warmest greetings.

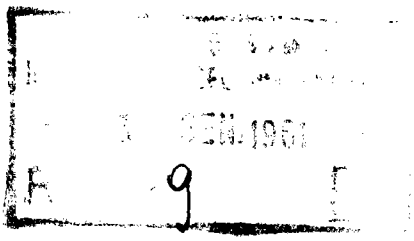
Yours sincerely,

R Robinson

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milano.

From Sir Robert Robinson.
Tel. Mayfair 6618.

170, Piccadilly,
London, W.1.



29th December 1960.

Dear Natta,

I am very glad to hear from you and hope that your period of convalescence in San Remo has resulted in a very great improvement in your health.

In view of your remarks about the University vacation period, I would certainly like to select the 10th April for the lecture and it would be necessary to travel on Tuesday, the 11th, further afield to Rome and Israel. I have a meeting in Israel on the 12th April and it was to make these appointments consecutive that I originally made the suggestion of the date. We would leave England on April 9th, staying in Milan on the nights of the 9th and the 10th.

I must congratulate you on producing the asymmetric synthesis of optically active polymers from symmetrical monomers. This is something which we tried to do ourselves and I think we tried every method except the one which you have now found successful, namely the use of a catalyst with an asymmetric counterion. We used optically active aluminium trialkyls without success. We shall be very interested to know whether the asymmetric polytactic polymers possess special properties, and the reprints of the papers dealing with the subject, which you promised me, will be awaited with intense interest.

For my lecture I will keep the subject as stated, namely "The Origin of Petroleum" and I can assure you that Stearn and I both look forward to visiting you with most pleasurable anticipations. We both send Rosita and you our very best wishes for happiness in 1961.

Yours sincerely,

R Robinson

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

Inghilterra

Dec. 22, 1960

Sir Robert Robinson,
170 Piccadilly,
London, W.1.
(Inghilterra)

Dear Robinson,

please, excuse my delay in answering your letter of Nov. 19 - due to a period of convalescence I spent in SanRemo.

Just now I have spoken with the President of the Istituto Lombardo di Scienze e Lettere, Professor De Marchi who, on the occasion of your visit to Milan, will organize a reception in honour of you at the Brera building, where the Istituto Lombardo has its seat.

Rosita and I were very pleased to learn that Lady Robinson will come with you here.

The date of your lecture could be fixed for the end of the week after Easter, Friday April the 7th, for instance; however, being it in the University vacation period, it would be preferable to fix it for the 10th or 11th of April.

I wish to communicate you some results obtained from our research works, which may be of some interest to you. We succeeded in obtaining the asymmetric synthesis of polytactic polymers; more precisely, using catalysts with an asymmetric counterion, we obtained optically active polymers from monomers which do not contain asymmetric carbon atoms. This asymmetric synthesis has a scientific interest, due to the high yield of these asymmetric syntheses, while, in general, the catalytic (non enzymatic) asymmetric syntheses (described in literature) of low-molecular-weight substances furnish very low yields.
As soon as available, I shall send you a reprint of the papers dealing with this subject.

Looking forward to meeting you again soon, Rosita and I send you and Lady Robinson our kindest regards.

Very truly yours,

G. Natta

Oct. 31, 1961

Mr. Alan Pickett,
Rubber & Plastics Age;
Tenterden, Kent (Inghilterra)

our ref. 879/lv

Dear Mr. Pickett,

- - It was a real pleasure to meet you on your last visit to Milan. Rosita and I regret we could not enjoy your and Margaret's companionship on Sunday.

Thank you very much for the product of your farm you kindly gave to us. We have already started drinking it every day.

As I promised, I should have sent you a manuscript completed with figures, as a substitute for the manuscript already sent to London, for publication in Rubber and Plastics Age as a Letter to the Editor.

In the meantime I have received the proof of the old manuscript. I return you the proof completed with the figure and its explanations. I hope you can accept the new part.

I hope an opportunity arises in the near future to meet you and Margaret, either in Italy or in England.

Accept my kindest personal regards.

G. Natta

Encl/

Telegrams & Cables: PICKETT, TENTERDEN

Telephone: BIDDENDEN 465

RUBBER & PLASTICS AGE

(*Proprietors:* Rubber & Technical Press Ltd.)

THE INDEPENDENT INTERNATIONAL POLYMER JOURNAL

Editorial Office

YOUR REF.:

OUR REF.: AJP/GPB.

TENTERDEN, KENT,

ENGLAND

26th October, 1961.

Professor and Signora G. Natta,
Via Mario Pagano 54,
Milano,
Italy.

Dear Professor and Signora Natta,

I just wanted to write and thank you for your very warm hospitality when we visited you in Milan this month. It was a great pleasure to meet you again and your kindness made our stay a very enjoyable one.

I particularly appreciated my visit to your fine laboratories, and also meeting some of your colleagues. We are publishing the letter from Professor Pasquon in our next issue and I enclose a proof. We shall also look forward to receiving an article from your Institute at a later date on "Butadiene-Pentadiene Copolymers."

Margaret and I are very much looking forward to meeting you again.

With best personal regards,

Yours sincerely,

Alan Pickett

LONDON OFFICE (*Advertisement & Circulation Departments*): Gaywood House, Great Peter Street, London, S.W.1, England
Tel.: ABBey 7447

The Directors of Rubber & Technical Press Limited

request the pleasure of the company of

Professor and Mrs G. Natta

on the occasion of the

SYNTHETIC RUBBER DINNER

at the

SAVOY HOTEL, LONDON, W.C.2.
(Embankment Entrance)

on Tuesday, 3rd October, 1961

7 p.m. for 7.45 p.m.

DRESS:
ıner Jackets

RSVP:
The Editor,
Rubber & Plastics Age,
Tenterden, Kent.

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG. LONDON.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET.

LONDON. W.1. 25 Giugno, 19 60.

Preg.mo Signor
Prof. G. Natta,
Politecnico di Milano.

Gentilissimo Professore,

ritenendolo per Lei interessante, in allegato
Le rimetto stralcio dal "Chemical Age" di oggi, all'argomento:

- Polymerisation by U.V.Radiation.

Con i miei migliori ossequi,

A. Giachin

un allegato.

COPIA

October 6th, 1961

Mr.A.Pickett
Rubber and Plastics Age
Tenterden, Kent (Inghilterra

/eg

Dear Mr.Pickett,

I wish to thank you for your kindness during my staying in London.
As mentioned, I am sending to you the copy of a letter to the Editor of Rubber and Plastics Age. Will you publish it in the November issue, possibly?
I hope to meet you during your next trip to Italy, as I shall be extremely glad to invite you for dinner at home.

My best personal regards.

G.Natta

Telegrams & Cables: PICKETT, TENTERDEN

Telephone: BIDDENDEN 465

RUBBER & PLASTICS AGE

(*Proprietors*: Rubber & Technical Press Ltd.)

THE MONTHLY JOURNAL OF THE HIGH POLYMER INDUSTRY

Editorial Office

TENTERDEN, KENT,
ENGLAND

YOUR REF.:

OUR REF.: AJP/CH

6th October, 1961.

Professor and Signora G. Natta,
Via Mario Pagano 54,
Milano,
Italy.

Dear Professor and Signora Natta,

I just wanted to say how great a pleasure it was to meet you again in London.

We were most honoured that you should have been able to come over in person for the Medal Presentation, and it was certainly a memorable occasion.

I am looking forward very much indeed to seeing you in Milan and I will telephone you when I arrive on Friday, 13th October.

With best personal regards,

Yours sincerely,

Alan Pickett

LONDON OFFICE (*Advertisement & Circulation Departments*): Gaywood House, Great Peter Street, London, S.W.1, England
Tel.: ABBey 7447

Mr.Chairman, Sir Robert, Ladies and Gentlemen,

It is not easy to put into words, especially into English words, the feelings that have been aroused by the news of the great honour which has been conferred upon me in deciding to present me with the first International Synthetic Rubber Gold Medal awarded by the Rubber and Plastics Age.

The occasion in itself, the words and feelings which have been expressed tonight, have added, even more, to the emotion I felt when I first received the news of this award.

As far as Sir Robert's remark is concerned, and despite my absent mindedness, I shall not fail to bear it in mind, as I have always borne in mind anything which came from him.

May I, Mr.Chairman, thank you, and you, Sir Robert, and all who are present here tonight, and most warmly indeed, for this honour which will, I am sure, remain a vivid and very happy memory to cherish, and an encouragement to proceed along the path I have followed.

I would like to add a special word of thanks to the Rubber and Plastics Age for instituting this award which is meant to further, and enlarge, our activities, and research, in a field of such immense interest and possibilities.

26 September 1961

Dr.Alan Pickett
Rubber & Plastics Age
Editorial Office
Tenterden; Kent
England

our ref.773:778/eg

Dear Mr. Pickett,

I thank you very much for your letters of the [illegible] and 22nd of September for which I also encharged Mr.[illegible] to thank you.

I wish to express my thanks for the Gold Medal award and assure you that I feel much honoured and glad.

My arrival in [illegible] has been fixed for the 2nd of October and my wife and I will participate at the Dinner of October the 3rd as well.

Looking forward to meeting you soon, I send you my best personal regards.

[illegible]

Telegrams & Cables: PICKETT, TENTERDEN

Telephone: BIDDENDEN 465

RUBBER & PLASTICS AGE

(*Proprietors:* Rubber & Technical Press Ltd.)

THE MONTHLY JOURNAL OF THE HIGH POLYMER INDUSTRY

Editorial Office

TENTERDEN, KENT,
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YOUR REF.:

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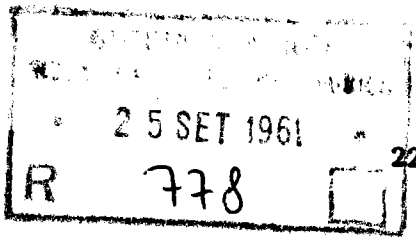

22nd September, 1961

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci, 32,
Milano, Italy.

Dear Professor Natta,

I have just received a letter from Ing. Giustiniani in which he informs me that you and Mrs. Natta will be able to come to London after all. We are naturally delighted to hear this and we are making the necessary arrangements with Dr. Giachin. Would you kindly let us know if there is anything we can do to make your stay more comfortable and pleasant.

We are looking forward very much indeed to the honour of having you and Mrs. Natta with us at the Synthetic Rubber Dinner. However, if for any reason you should be prevented from coming at the last minute we should quite understand.

I should be most grateful if you could arrange for one of your staff to send me a recent photograph of yourself - by return of post if at all possible.

With very best wishes,

Yours sincerely,

Alan Pickett

cc: Dott. Ing. A. Giachin

LONDON OFFICE (*Advertisement & Circulation Departments*): Gaywood House, Great Peter Street, London, S.W.1, England
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THE MONTHLY JOURNAL OF THE HIGH POLYMER INDUSTRY

Editorial Office

TENTERDEN, KENT,
ENGLAND

YOUR REF.:

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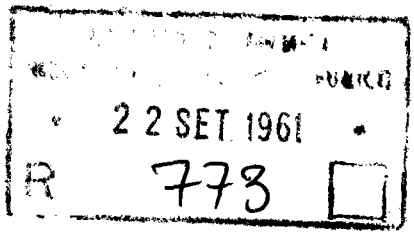
19th September, 1961.



Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milano, Italy.

Dear Professor Natta,

International Synthetic Rubber Award

Thank you for your letter of the 9th September.

I was indeed sorry to hear that you had undergone another surgical operation. I would like to take this opportunity of sending you my best wishes for a speedy recovery.

I have great pleasure in informing you that you have been awarded the First International Synthetic Rubber Gold Medal. The Award was made by a Panel consisting of the leading Rubber Organisations in: U.S.A., Great Britain, Germany, Holland and France.

The presentation will be made at the Synthetic Rubber Dinner in London on October 3rd by Sir Edward Beharrell, Chairman of the Dunlop Rubber Company Ltd. The toast of "The Medallist" will be proposed by Sir Robert Robinson.

As I realise that it is unlikely that you will be able to travel to London, would you like to appoint a colleague to receive the Medal on your behalf? I am to-day writing to Senor Giustiniani to see if he will be in London on October 3rd.

I will certainly call and see you when I am next in Italy - possibly before the end of this year.

With best personal regards,

Yours sincerely,

Alan Pickett

LONDON OFFICE (*Advertisement & Circulation Departments*): Gaywood House, Great Peter Street, London, S.W.1, England
Tel.: ABBey 7447

THE RUBBER & PLASTICS AGE

incorporating: THE RUBBER AGE AND SYNTHETICS

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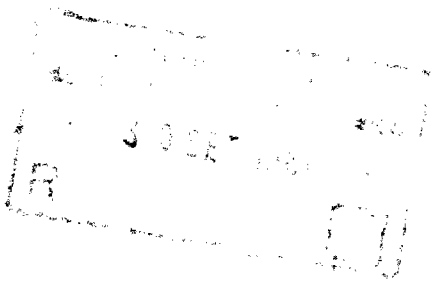
With the Compliments of the Editor



SYNTHETIC RUBBER AWARD DINNER
October 3rd, 1961

Arrangements have been made to ease the before-dinner tedium for "Rubber and Plastics Age" guests. On entering the Embankment Entrance of the Savoy Hotel they should immediately go down the stairs on the left-hand side of the hall. Cloakrooms will be provided on the lower ground floor and guests are then invited to congregate in the Manhattan Room for an aperitif before dinner.

186

21.9.61

Pickett, Tenterden
Kent (Inghilterra)

[illegible] First [illegible]
[illegible] [illegible] [illegible]
[illegible] award [illegible]
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Julie Hatter

ITALCABLE

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Prefisso e Numero - Provenienza - Numero Parole - Data - Ore - Indicazioni eventuali

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PROFFESSOR G NATTA
ISTITUTO DI CHIMICA INDUSTRIALE
DEL POLITICNICO
1227
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Inghilterra

Sept.9, 1961

Mr.A.Pickett,
Editorial Office,
Rubber and Plastics Age,
Tenterden, Kent (Inghilterra)

Dear Mr.Pickett:

Thank you very much for your kind letter of Aug.26, 1961, which I answer with some delay owing to a period of complete rest I had to take after a surgical operation I underwent two months ago.

I am sorry to inform you that I cannot come and participate in the Annual Synthetic Rubber Dinner in London, but I most thank you for your kind invitation.

I hope an opportunity arises in the near future to meet you again.

With my kindest regards,

G.Natta

Telegrams & Cables: PICKETT, TENTERDEN *Telephone:* BIDDENDEN 465

RUBBER & PLASTICS AGE

(*Proprietors:* Rubber & Technical Press Ltd.)

THE MONTHLY JOURNAL OF THE HIGH POLYMER INDUSTRY

Editorial Office

YOUR REF.:

OUR REF.: AJP/CH

TENTERDEN, KENT,
ENGLAND

16th August, 1961.

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci, 32,
Milano, Italy.

Dear Professor Natta,

We are on Tuesday, 3rd October holding our Annual Synthetic Rubber Dinner at the Savoy Hotel in London. I do hope that it will be possible for you and Mrs. Natta to be with us on that occasion, and we should be very honoured if you would both be our guests. I know that you have not been doing much travelling lately, but I was pleased to hear that there had been an improvement in your health. I trust that this improvement will continue and that you will soon be fully recovered.

With best personal regards,

Yours sincerely,

Alan Pickett

LONDON OFFICE (*Advertisement & Circulation Departments*): Gaywood House, Great Peter Street, London, S.W.1, England
Tel : ABBey 7447

March 20, 1961

To the Secretary,
Oxford U. Delegacy for
Extra-Mural Studies
Rewley House,
Wellington Square- Oxford

Dear Sir,

Herewith enclosed,-please find Dr. Allegra's application form to-participate in the Summer School in Theoretical Chemistry, 1961.

Best thanks,

Sincerely yours,

the Director of
the Institute

1962

Inghilterra

Feb.20, 1962

Dr.P.H.Plesch,
University College North
Staffordshire,
Keele Park 371
Keele, Stafford. (Inghilterra)

Dear Doctor Plesch:

Thank you for your communication of Jan.24, 1962, on the Rutherford "Mid-Point" Method. This technique will possibly to useful for some of my co-workers.

Sincerely yours,

G.Natta

July 26, 1962

Dr.Alan Pickett,
Rubber & Plastics Age,
Editorial Office,
Tenterden, Kent (Inghilterra)

your ref. AJP/AT/A
our ref. 573/lv

Dear Doctor Pickett:

Thank you very much for your kind letter of July 5, 1962. Rosita and I were very glad to meet you and Margaret at Moretonhampstead.

I regret to inform you that it will be impossible for us to prepare even a short article on the butadiene-pentadiene copolymers by August 15th, because our Institute will be closed for summer holidays within a few days.

We have already collected several data for this paper, but others are necessary in order to write a more complete article. Therefore I expect I will be able to send you the complete manuscript by the end of October or by the beginning of November.

Rosita joins me in sending you and Margaret kindest regards.

G.Natta

Telegrams & Cables: PICKETT, TENTERDEN Telep

Please note our
NEW TELEPHONE NO:
Tenterden 604

RUBBER & PLASTICS AGE

(Proprietors: Rubber & Technical Press Ltd.)

THE INDEPENDENT INTERNATIONAL POLYMER JOURNAL

Editorial Office

YOUR REF.:

OUR REF.: AJP/AT/A.

TENTERDEN, KENT,
ENGLAND

5th July, 1962.

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo Da Vinci 32,
Milano,
Italy.

Dear Professor Natta,

Margaret and I did enjoy seeing you - if only briefly - at Moretonhampstead, and it gave us great pleasure that you were continuing to make good progress.

I have discussed with you and Dr. Crespi on several occasions the possibility of an article on your Butadiene--Pentadiene Copolymers. I was wondering whether you feel that you would be able to let us have a short progress report on these interesting rubbers by August 15th, suitable for publication in our October Synthetic Rubber Number?

With best personal regards, also to Rosita,

Yours sincerely,

LONDON OFFICE (Advertisement & Circulation Departments): Gaywood House, Great Peter Street, London, S.W.1., England. Tel.: ABBey 7447

Nov.27, 1962

Prof.H.J.Emeléus, F.R.S.,
University Chemical Lab.
Lensfield Road,
Cambridge (Inghilterra)

our ref.886/lv

Dear Professor Emeléus,

Thank you for your letter of Nov.22, 1962.
I shall be very glad to meet Mr.Stanley, whom, however, I cannot contact since I do not know his address in Milan.
Therefore I hope that Mr.Stanley will call me up on his arrival in Milan in order to arrange a meeting.

Kindest regards,

Yours very sincerely,

G.Natta

FROM
PROFESSOR H. J. EMELÉUS, F.R.S.

UNIVERSITY CHEMICAL LABORATORY,
LENSFIELD ROAD,
CAMBRIDGE.
TELEPHONE: 56491.

22nd November, 1962.

Professor G. Natta,
Instituto Chimica
Industriale del Politecnico,
Milan, Italy.

886

Dear Professor Natta,

A very close friend of mine, Mr. R. H. Stanley, who is at present a member of the staff of British Titan Products Ltd., will be in Milan on November 28th, 29th and 30th, and has expressed a desire to meet you. I hope if you are not too busy that you will find it possible to see him; I would certainly appreciate it greatly if you would do what you can to help him.

Kindest regards,

Yours very sincerely,

H. J. Emeléus

January 22nd, 1962

Dr.R.M.Hill
ESSO Research Ltd.
50 Stratton Street
London WI

our ref.1003/eg

Dear Doctor Hill,

Thank you for your letter of December 11, 1961. With regard to the supply of gutta percha, several foreign Companies showed some interest for our method for the production of trnas-1,4 polyisoprene; our patents on this field are in fact very sound in many countries.

A Company which will produce trans-1,4 polyisoprene in Europe, under our licence, purpose to export this product in other countries as well. This product in

As a matter of fact, one of the application foreseen is the production of golf balls.

Thank you for your kind wishes which I heartily reciprocate.

Sincerely yours

G.NATTA

ESSO RESEARCH LIMITED

50 STRATTON STREET
LONDON W.1

Telephone
HYDe Park 7030

Cables
Eurotech London

TL-652-61

11th December, 1961.

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo, da Vinci 32,
Milano,
ITALY.

14 DIC. 1961
R 1003

Dear Professor Natta,

It was a real pleasure for Dr. Barbieri and I to meet and talk with you on November 30th. Your work on the copolymerization of acetone and dimethylketene to yield a polyester having outstanding thermal resistance was most interesting. We shall look forward to your publications on this subject.

I understood that the supply of gutta percha from natural sources is strictly limited. It is interesting to learn that a United States company is considering the manufacture of the material synthetically. Perhaps this will help to keep the price of golf balls down!

Best wishes for a merry Christmas and a happy New Year.

Sincerely yours,

Ralph Hill

R.M. Hill

RMH/LP

Sept. 13, 1961

Dr. Ralph M. Hill,
Esso Research Ltd.
50 Stratton Street,
London W.1. (Inghilterra)

Dear Doctor Hill,

Thank you very much for your kind letter of Aug. 1, and for the nice photograph you kindly sent to me.

I was operated on in Paris on July 3; the operation consisted in the introduction of 2 millicurie of radioactive yttrium in a part of my brain. The operation was quite successful, but only now I have started working again, because physicians prescribed me a long period of convalescence out of town.
That is why I answer you with some delay, and I thank you for the kind interest you took for my health.

I am sorry I cannot send you a reprint of my article in Scientific American, because not yet available. As soon as possible, I will send you one of them.

With my kindest regards.

G. Natta

ESSO RESEARCH LIMITED

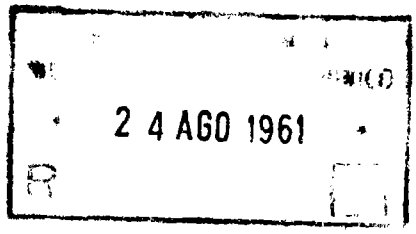
50 STRATTON STREET
LONDON W.1

Telephone
HYDe Park 7030

Cables
Eurotech London

TL-432-61

21st August, 1961.



Professor G. Natta,
Istituto di Chimica,
Industriale del Politecnics,
Piazza Leonardo da Vinci 32,
Milano, Italy.

Dear Professor Natta,

During our visit with you at your Institute in May, you were kind enough to allow me to take a photograph. I am pleased to send you the enclosed print which I believe is quite good.

At the time we saw you, it was expected that you would be undergoing an operation within a month. I have heard no reports and I am assuming that all went well. I hope that by this time you are feeling much better.

I just read your article on "Precisely Constructed Polymers", which appeared in the August issue of Scientific American. The synthesis of optically active polymers from sorbic acid, and other monomers is indeed interesting. If you have reprints of this article, I would very much appreciate having one.

Sincerely yours,

Ralph Hill

Attachment

RMH/EH

ESSO RESEARCH LIMITED
50 STRATTON STREET
LONDON W.1

Telephone
HYDe Park 7030

Cables
Eurotech London

TL-267-61.

26th May, 1961.

Professor G. Natta,
Istituto di Chimica,
Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

R 5-56

Dear Professor Natta,

It was a real pleasure for Dr. Guyer and I to meet and talk with you on May 17th. We certainly hope that you have a most successful visit to the hospital and that you will be feeling much better in the months ahead.

After we left your office we met Professor Mazzanti, who stated that he is planning to visit the U.S. this coming summer. We hope that he will find it possible to visit our facilities in Linden, New Jersey, while he is in the States.

Again, thank you very much for the time that you spent with us.

Yours very truly,

R. M. Hill

R.M. Hill.

RMH/AMC.

EMBASSY OF THE UNITED STATES OF AMERICA
OFFICE OF NAVAL RESEARCH, BRANCH OFFICE, LONDON
KEYSIGN HOUSE, 429 OXFORD STREET, LONDON, W. 1
Telephone: GROsvenor 9000

In Reply Refer to:
57:JHF:kh

11 MAY 1960

ISTITUTO DI CHIMICA INDUSTRIALE DEL POLITECNICO
14 MAG 1960
R

Professor G. Natta
Istituto Chimica Industriale
del Politecnico
Milan, Italy

Dear Professor Natta:

This letter will convey the deep appreciation of this office and myself for the great privilege afforded me to visit you in your laboratories at the Politecnico. I am also very glad to have the two important reprints which you so kindly gave me at that time.

Please feel free to write this office at any time you believe we can be of assistance in making contacts or obtaining information from the United States.

Sincerely yours,

J.H. Faull, Jr.

J.H. FAULL, JR.
Scientific Liaison Officer
(Elastomer R. and D.)

Nov.8.1962

Prof.G.Gee, C.B.E., F.R.S.
Dept.of Chemistry,
The University,
Oxford Road,
Manchester 13, Inghilterra

Dear Professor Gee,

Thank you very much for the kind hospitality you gave to my assistant Pegoraro, who worked at your Institute in the interesting field of the internal pressure. At the moment we are not doing research in this direction, but perhaps we will have the opportunity of doing it in the next future.

Dr.Wilkinson arrived here about one month ago, and is working now with my assistant Prof.Farina on the synthesis of optically active polymers.

Accept my best thanks again and my kindest regards.

Giulio Natta

THE UNIVERSITY OF MANCHESTER

MANCHESTER. 13.

FROM
PROFESSOR G. GEE, C.B.E., F.R.S.
SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.

TELEPHONE ARDWICK 3333

10th July, 1962

590

Professor G. Natta
Institut di Chemica Industriale del Politchnico
Piazza Leonardo da Vinci, 32.
MILAN. Italy

Dear Professor Natta,

Professor Gee has asked me to thank you for your kind letter of the 9th July. Kenneth Wilkinson is looking forward very much indeed to working in your laboratory.

Yours sincerely,

M. Belshaw

Secretary to Professor Gee

July 3, 1962

Prof.G.Gee,
Sir Samuel Hall Professor of
The University of Manchester,
Manchester 13, Inghilterra

our ref.534/1v

Dear Professor Gee,

Thank you for your letter of June 25. I wish to confirm you that I shall be glad to welcome Mr.Wilkinson at my laboratory. With regard to the topic of his research work here, he will possibly develop either a research work on the kinetics in the field of the stereospecific polymerization, or on the physical properties of polymers, with regard to their steric regularity.

I am glad that Pegoraro has started working at your Institute. I am sure that the time he will spend with you will be very useful for him.

With my kindest regards.

G.Natta

THE UNIVERSITY OF MANCHESTER

MANCHESTER, 13.

25th June 1962

FROM

PROFESSOR G. GEE, C.B.E., F.R.S.
SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.
TELEPHONE: ARDWICK 3333

28 GIU. 1962
R 534

Professor G. Natta,
Institut di Chemica Industriale del Politecnico.
Piazza Leonardo da Vinci, 32.
MILAN, Italy

Dear Professor Natta,

I am glad to tell you that Mr. Kenneth Wilkinson has been successful in his application for a fellowship, so we can now finalise the arrangement for him to spend the coming year in your laboratory. In your letter of February 22nd you mentioned that you would wish to determine the subject on which my student should work. I am sure that Wilkinson would now be interested to learn what topics might be available for him. He has, up to the present time, spent most of his time on kinetic work. I am sure he would hope to have the opportunity of becoming acquainted with the catalytic methods you have developed and also, if possible, of spending some time on the physical study of stereoregular polymers.

You will have heard that Professor Pegoraro has arrived here safely and is just starting work.

Yours sincerely,

Geoffrey Gee

THE UNIVERSITY OF MANCHESTER

MANCHESTER, 13.

25th April, 1962

FROM

PROFESSOR G. GEE, C.B.E., F.R.S.
SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.
TELEPHONE: ARDWICK 3333

30 APR. 1962
367

Professor G. Natta,
Instituto di Chimica Industriale del Politechnico.
Piazza Leonardo da Vinci, 32.
MILAN. Italy

Dear Professor Natta,

In reply to your letter of the 19th, I confirm that we shall be pleased to see Professor Pegoraro here from about the middle of June. You will no doubt advise me of the exact date of his arrival in due course.

I hope very shortly to tell you whether Mr. Kenneth Wilkinson's application for a fellowship has succeeded.

I look forward to seeing you at Moretonhampstead.

Yours sincerely,

Geoffrey Gee

April 19, 1962

Prof. G. Gee,
Sir Samuel Hall Professor of Chemistry,
The University of Manchester,
Manchester 13
(Inghilterra)

our ref. 313/1v

Dear Professor Gee:

Thank you for your letter of April 10, 1962. I will welcome Mr. Wilkinson next September. Professor Pegoraro will be able to come to England during the latter half of June, if you can give hospitality to him during that period.

I do hope to meet you at the Conference on Mechanism of Stereospecificity in Moretonhampstead.

With my kindest regards.

G. Natta

THE UNIVERSITY OF MANCHESTER

MANCHESTER, 13.

FROM

PROFESSOR G. GEE, C.B.E., F.R.S.
SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.
TELEPHONE: ARDWICK 3333

13 APR. 1962
313

10th April 1962

Professor G. Natta.
Instituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci, 32.
MILAN. Italy.

Dear Professor Natta,

Many thanks for your letter of March 27th. We should be glad to see Professor Mario Pegoraro here whenever you wish and we will certainly exempt him from fees of any kind.

I hope we shall be able to send you in return Mr. Kenneth Wilkinson, who graduated in this department with B.Sc. Honours Chemistry in 1959. He is at present a research student working on the polymerisation of propylene oxide under the supervision of Dr. R. O. Colclough, and will be submitting a Ph.D. thesis in the coming Summer. He has made application for a research award to enable him to spend a year in your laboratory and we are at present awaiting the outcome of his application. You will understand that, unless his application succeeds, he will not be able to take advantage of your kind offer to receive him.

Yours sincerely,

G. Gee

March 27, 1962

Prof.G.Gee,
The University of Manchester,
Manchester 13 (Inghilterra)

our ref. 230/lv

Dear Professor Gee:

Thank you for your kind letter of March 19, 1962. Please, let me know further details on when your student is supposed to arrive here.

I will also exempt your student from any fees and contribution to research expenses, if you do the same.

I will let you know with some advance, the period in which my assistant, Prof.Mario Pegoraro is supposed to arrive at your Institute.

With my kindest regards,

G.Natta

THE UNIVERSITY OF MANCHESTER

MANCHESTER, 13.

FROM

PROFESSOR G. GEE, C.B.E., F.R.S.
SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.
TELEPHONE: ARDWICK 3333

230

19th March, 1962.

Professor G. Natta,
Institute di Chemica Industriale del Politecnico,
Piazza Leonardo da Vinci, 32.
MILAN. Italy

Dear Professor Natta,

Many thanks for your letter of 22nd February. I hope I may be able to recommend one student to spend a year in your institute. The question of funds presents some difficulty, as we are already officially too late to apply for a NATO award. I am, however, hopeful that the committee will consent to consider a late application. I will write to you further concerning this as soon as I have any news.

I should be glad to have one of your assistants here, at any time to suit your convenience. We would do our best to see that he got the maximum benefit from a short stay. I am prepared to exempt him from any fees or contribution to research expenses, if you would do the same for the student I send to you.

I look forward to seeing you in May.

Yours sincerely,

G. Gee

Feb.22, 1962

Prof.G.Gee,
The University of Manchester
Manchester-13 (Inghilterra)

ns.rif.135/1v

Dear Professor Gee:

Thank you for your letter of February 14, 1962, concerning the possibility of accepting two of your students at my Institute for a year.

I shall accept them if they are willing to work on a subject of my choice, which should be prevailingly of scientific character.

Please, send me the curricula vitae of your two students. The fact that they do not speak Italian, does not constitute a serious problem, because many co-workers of mine speak either English or French.

It is hardly possible for me to find funds for these young men; therefore I fully agree with your advising them to make application for a N.A.T.O. fellowship. I know that a N.A.T.O. fellow works in Turin at Prof.Nasini's laboratory and that N.A.T.O. not only supplies the travel and living expenses in Turin, but also contributes to the laboratory expenses. Since the average cost of research at my Institute is of about 60,000 Italian Lire (about 35 pounds) per month pro capite, your students should try to get a contribution for their research expenses at this Institute, if they make application for a N.A.T.O. fellowship. If the N.A.T.O. does not grant them this last contribution, I will examine the possibility of exempting them from such expenses, limiting their charges to a registration fee of 100,000 Italian Lire (about 60 pounds), required by the Polytechnic Institute to all young men officially registered as trainee students.

I shall probably come to England next May, but I hope to hear from you earlier.

With my kindest regards,

G.Natta

P.S. I have been much interested in your papers on the elastomers and on

the determination of the internal pressure. I would like to know whether it is possible for you to accept one of my assistants at your Institute for a few months (for instance from June to October). His travel and living expenses will be possibly provided by the Italian National Research Council.

THE UNIVERSITY OF MANCHESTER

MANCHESTER, 13.

14th February 1962

FROM

PROFESSOR G. GEE, C.B.E., F.R.S.
SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.
TELEPHONE: ARDWICK 3333

Professor G. Natta,
Institute di Chemica Industriale del Politecnico, 135
Piazza Leonardo da Vinci, 32.
MILAN. Italy

Dear Professor Natta,

One or two of my students have been asking me about the possibility of your accepting them as postdoctoral fellows for a year. I wonder whether you could advise me in general terms whether you would be willing to consider such a proposition. You would, of course, need to be satisfied as to the quality of any one put forward. There would also be problems of finance and perhaps difficulty about language. I would encourage any likely candidate to make application for a fellowship under the N.A.T.O scheme, but perhaps you could also advise me as to whether you have any funds available for the support of students from other countries. I do not think any of my students speak Italian although I would expect them to have a working knowledge of French. Would this constitute a serious problem ?

I should be grateful for your comments and suggestions.

Yours sincerely,

Geoffrey Gee

10.12.1962

Egr.Ing.A.GIACHIN
10 Upper Grosvenor Street
L O N D O N W.1. - Inghilterra

Egregio Ingegnere,

La ringrazio molto per l'invio dei due stralci dal "Chemical Age" riguardanti il premio SPE del 1962, e per i Suoi rallegramenti.

La prego di gradire i miei migliori saluti.

Giulio Natta

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG, LDN.

CABLE ADDRESS: GABBROENG, LONDON, W.1

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 3 Dicembre, 19 62.

Preg.mo Signor
Prof. G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci,
Milano.

Gentilissimo Ingegnere,

ritenendoli per Lei interessanti, mi pregio inviarLe allegati stralci dal "Chemical Age" del 1° u.s., relativi al premio della U.S. Society of Plastics Engineers per il 1963 a Lei assegnato.

Mi creda, con ogni mio migliore ossequio, e saluti

Vivissimi

A. Giachin

fr

due allegati.

Stralcio dal "Chemical Age" del 1°/12/1962.

Yet another major award has gone to that Italian master of polymeric science, Professor Giulio Natta of Milan - the 1963 award of the U.S. Society of Plastics Engineers. Natta's work on olefins, including butadiene, and more recently his development of ethylene-propylene rubber, has been documented by more than 400 publications and numerous patents.

He is an hon.life member of the New York Academy of Sciences, a member of the Accademia dei Lincei, Lombard Institute of Sciences and Letters, Academy of Sciences in Turin and of the Austrian Chemical Society. Natta holds medals and awards from learned societies in many countries of the world. I feel it cannot be too long before he appears as an overseas Fellow of the Royal Society.

Stralcio dal "Chemical Age" del 1°.12.62.

Professor Giulio Natta, director of the Institute of Industrial Chemistry, Milan, has been awarded the 1963 international prize of the Society of Plastics Engineers. After presentation of the award, at the society's annual meeting to be held in Los Angeles on 28 February next, Prof. Natta will give a paper on polymers and the work which led to the discovery of isotactic polypropylene.

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG, LDN.

CABLE ADDRESS: GABBROENG, LONDON, W.1

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 15 Ottobre, 1962.

Preg.mo Signor
Prof.Giulio Natta,
Istituto di Chimica Industriale
del Politecnico,
Milano.

Gentilissimo Professore,

allegata, Le invio fotocopia della lettera ID/JMG/885/62/MLT/52 del 10 Ottobre u.s. della Rubber and Plastics Research Association, grato se vorrà venire incontro alla richiesta in essa contenuta.

La prego di gradire, gentile Professore, i miei migliori ossequi.

530 a

A. Giachin

fr

un allegato.

Spedito il
2-6.10.62

Rubber and Plastics Research Association of Great Britain

Shawbury **Shrewsbury** **Shropshire**

Director of Research W.F.Watson PhD.D.Sc
Secretary Lt Col S.G.Lee E.R.D. F.C.I.S.

Telephone Shawbury 3[illegible]
Telegrams TX 3534 Telex 3[illegible]

Our Ref: ID/JMG/805/62/MLT/52

Your Ref:

Date: 10th October, 1962.

12 OCT 1962

Mr. A. Giachin,
10 Upper Grosvenor Street,
LONDON, W.1.

Dear Sirs,

We are trying to trace a copy of the paper given by G. Natta to the I.U.P.A.C. Congress in Montreal, July, 1961.

We should be grateful if you could supply us with a copy of this paper or alternatively give us details of its publication.

Yours faithfully,
for RUBBER AND PLASTICS RESEARCH ASSOCIATION OF GREAT BRITAIN,

J.M. Gillespie.

J.M. Gillespie.

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG, LDN.

CABLE ADDRESS: GABBROENG, LONDON, W.1

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 22 Settembre, 19 62.

734

Preg.mo Signor
Prof. G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Milano.

Gentilissimo Professore,

ritenendolo per Lei interessante, allegato mi pregio rimetterLe stralcio dal "Chemical Age" in data di oggi, all'argomento:

- Firestone Produce New "Superior" Synthetic Rubber.

Con i migliori ossequi,

A. Giachin

un allegato.

Stralcio dal "Chemical Age" del 22/IX/1962.

FIRESTONE PRODUCE NEW "SUPERIOR" SYNTHETIC RUBBER.

Firestone Tyre and Rubber Co. have gone into production with a newly developed synthetic rubber claimed to have superior properties which will greatly improve tyre performance and wear. The new synthetic rubber is a stereo copolymer of butadiene and styrene. It will be known as Diene 100Q.

DOTT. ING ANTONIO GIACHIN

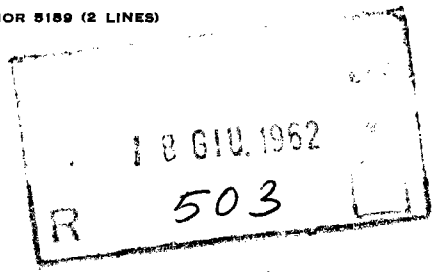
TELEGRAPHIC & TELEX: 23229 GABBROENG, LDN.

CABLE ADDRESS: GABBROENG, LONDON, W.1

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 16 Giugno, 19 62.



Preg.mo Signor
Prof. G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci,
Milano.

Gentilissimo Professore,

sono in possesso della copia della Sua lettera in data 11 Giugno u.s. indirizzata al Sig. Ing.Giustiniani e, nel ringraziarLa, Le assicuro che l'Ing.Pegoraro avrà da parte mia tutta l'assistenza che dovesse desiderare.

Mi creda, con ogni migliore ossequio,

fr

A. Giachin

DOTT. ING ANTONIO GIACHIN

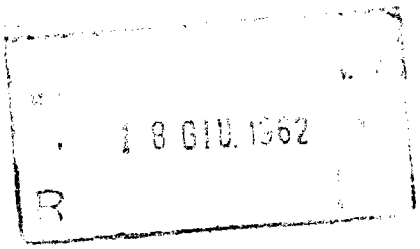
TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG. LONDON, W.1

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 14 Giugno, 1962.



Preg.mo Signor
Prof. G. Natta,
Istituto di Chimica Industriale del
Politecnico,
Piazza Leonardo da Vinci,
Milano.

Gentilissimo Professore,

infinite grazie per la cortese Sua del 6 u.s., ricevuta soltanto ieri.

Ho particolarmente apprezzato la Sua cortesia nel voler mi inviare copia del promemoria diretto all'Ing.Giustiniani, consentendomi in tal modo di essere maggiormente al corrente di quanto viene fatto a Milano.

E' stato un vero piacere per mia moglie e per me di poter avere la gentile Signora Natta e Lei, sia pure per così breve tempo, insieme con noi e spero tanto che in occasione delle Sue prossime venute a Londra si possa ancora stare insieme e più a lungo.

Mi creda, con ogni mio migliore ossequio per Lei e la gentile Signora Natta,

Suo

A. Giachin

fr

6.6.1962

Egr.Ing.A.GIACHIN
10 Upper Grosvenor Street
L o n d o n W.1 - Inghilterra

Caro Ingegnere,

appena arrivato a Milano sono dovuto ripartire per partecipare al Congresso di Chimica di Napoli, dove dovevo fare una conferenza di carattere generale, e appena ieri sono tornato definitivamente a Milano. La prego perciò di scusarmi se appena ora Le scrivo per ringraziarLa di tutte le cortesie usateci durante il nostro soggiorno a Londra, ed in particolare per l'invito nella Sua bellissima casa.

La prego di porgere alla Signora i miei omaggi; a Lei molti cordiali saluti.

Giulio Natta

P.S. - Le trasmetto copia di una lettera che ho inviato all'Ing.Giustiniani, dato che la prima parte di essa relativa ai rapporti Dunlop-Montecatini, può interessarLe.

All/ AF 445

15.2.1962

Egr.Ing.A.GIACHIN
10 Upper Grosvenor Street
L o n d o n, W.1 - England

Egregio Ingegnere,

La ringrazio molto delle notizie che regolarmente mi invia e che mi interessano.

La prego di gradire i migliori saluti.

Giulio Natta

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG, LDN.

CABLE ADDRESS: GABBROENG, LONDON, W.1

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1. 27 gennaio, 1962.

Gent.mo Signor
Prof. Giulio Natta
Istituto di Chimica Industriale
del Politecnico
Piazza Leonardo da Vinci
Milano.

Gentilissimo Professore,

Ritenendolo per Lei interessante, mi pregio inviarLe, in allegato, stralcio dal "Chemical Age" del 27.1.1962, all'argomento:

Big jump expected in diene rubber usage.

Con ossequio.

A. Giachin

all.

ep

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG, LONDON., W.1.

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1.

18 gennaio, 19 62.

Gent.mo Signor
Prof. Giulio Natta
Istituto di Chimica Industriale
del Politecnico
Piazza Leonardo da Vinci
Milano.

Gentilissimo Professore,

Ritenendolo per Lei interessante, mi pregio inviarLe, in allegato, stralcio dal "Chemical Trade Journal" del 12.1.1962, all'argomento:

New Butadiene Extraction Process.

Cordiali saluti.

ep all.

A. Giachin

June 6, 1962

Mr.T.L.Phillips, Chief Chemist,
John Laing Research & Development Ltd.
Manor Way, Boreham Wood,
Hertfordshire (Inghilterra)

Dear Sir,

With regard to your letter (E/TLP/JEF), I wish to inform you that we do not foresee to hold meetings at this Institute in the near future.

However I wish to inform you that the 4th International Congress on Plastics, dealing with "Development and Uses of Plastics" will be held in Turin by the end of next September. If you desire further information, you can write to:

"Segreteria Generale,
Salone Internazionale della Tecnica,
Corso Galileo Ferraris 60,
Torino (Italy)"

Very truly yours,

(Prof.G.Natta)

JOHN LAING RESEARCH AND DEVELOPMENT LIMITED

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CHEMISTRY DEPARTMENT

E/TLP/JEF

The Secretary, date as postmark
Centro di Studio per la Chimica Industriale,
Instituto de Chimica industriale del Politecnico,
Piazza Leonarda da Vinci, 32,
Milan. Italy.

8 MAG 1962

Dear Sirs,

Our activities in the building and civil engineering industry lead us into many highly specialised fields: we are particularly interested in the application of chemistry, concrete technology, engineering and architecture.

We should find it very helpful if you can kindly let us have details or other advance information concerning symposia and scientific meetings, which your institution will be holding during the forthcoming year and subsequently.

Whilst we may not be able to offer papers ourselves at any meetings in the immediate future, owing to the relatively short notice, we would, nevertheless, like to attend such meetings which include topics in our field, with a view to participating more fully at a later date.

Yours faithfully,
for JOHN LAING RESEARCH & DEVELOPMENT LIMITED

T.L. Phillips,
Chief Chemist.

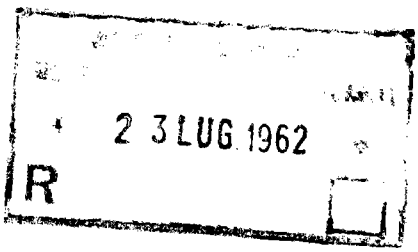
Department of Chemical Technology,
University of Edinburgh

Department of Chemical Engineering,
Heriot-Watt College

Telephone : CAL. 7121



UNIVERSITY OF EDINBURGH AND
HERIOT-WATT COLLEGE,
CHEMICAL ENGINEERING
LABORATORIES,
CHAMBERS STREET,
EDINBURGH, 1



Pensione Conte
Riva degli Schiavoni
Venezia.
July 21st 1962

Dear Professor Natta,

Thank you very much for your letter of July 16th, ref. 535/lv. I should be glad to meet you in Milan on July 25th. I shall aim to catch a morning train from Venice, and should therefore be in Milan about 12 noon. I will then telephone you at the University and we can arrange to meet at your convenience, say in the early afternoon.

I look forward very much to meeting you on Wednesday, July 25th.

ore 14.30

Yours sincerely,

N. Macleod

July 16, 1962

N.Macleod, B.Sc., Ph.D.
Pensione Conte,
Riva Schiavoni,
Venezia

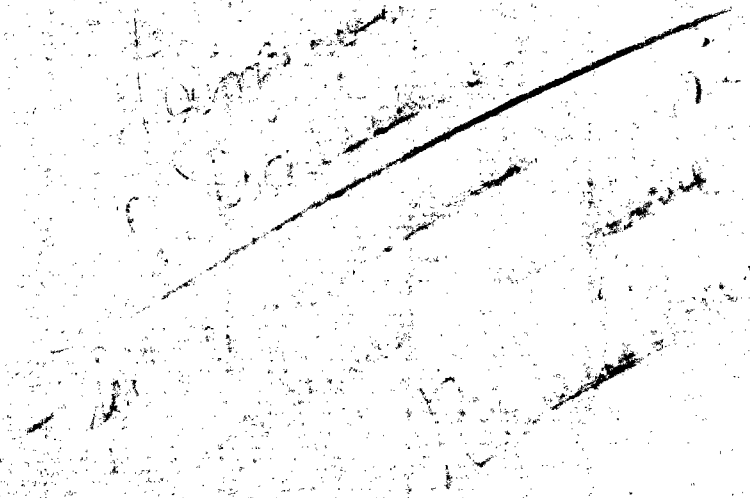
our ref.535/lv

Dear Doctor Macleod:

Thank you for your kind letter of June 27.
I shall be glad to meet you in Milan: with regard to the date of your visit, if possible for you, I would suggest either July 24 or 25: in fact, on July 26, 27 and 28 I shall be busy for degree examinations, and I shall leave Milan for summer holidays on July 29.

In the case that unforeseen and unavoidable engagements will not allow me to meet you, you can meet two co-workers of mine, namely Prof.Pasquon and Prof.Danusso.

Hoping to meet you, I send you my kindest regards.



G.Natta

Department of Chemical Technology,
University of Edinburgh

Department of Chemical Engineering,
Heriot-Watt College

Telephone : CAL. 7121

UNIVERSITY OF EDINBURGH AND
HERIOT-WATT COLLEGE,
CHEMICAL ENGINEERING LABORATORIES,
CHAMBERS STREET,
EDINBURGH, 1

University of Edinburgh
- 2 LUG 1962
R 535

June 27, 1962.

Professor G. Natta,
Centro di Studio per la Chimica Industriale del Politecnico,
Piazza Leonardo do Vinci,
Milano, Italy.

Dear Professor Natta,

I am at present engaged in a survey commissioned by the National Research Development Corporation, of the present situation and future prospects of Chemical Technology - or applied chemistry - in British Universities. This survey has been undertaken because there is a growing impression in this country that our methods of organising university science are such that there are substantial areas of Chemical Technology, of great industrial importance, which fall outside the sphere of interest of our pure chemists, on the one hand, and of our chemical engineers on the other.

It is widely believed here that many of these areas of applied chemistry are more successfully cultivated on the Continent, and that this is largely because there is often a closer relationship between industrial and academic research in Continental countries than in Great Britain. This is commonly thought to have an important bearing on the remarkable success of many Continental concerns in initiating new industrial processes.

With the object of investigating these ideas, I am planning to make a tour of a number of universities in Italy, France and Germany in July and August of this year and would very much like to visit you to discuss some of these questions in Milan. Would 26th or 27th July be suitable dates for visiting you? giovedì venerdì

If you could not manage either of these dates, perhaps some time in the period July 18th to 26th would suit you. My wife and I will be in Venice on holiday then, (at the Pensione Conte, Riva Schiavoni, Venezia) and I could arrange to come to see you some day at that time.

Yours sincerely,

N. Macleod

N. Macleod, B.Sc., A.R.C.S., Ph.D.

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OUR REF. EX/RWN/PC/LAB. YOUR REF. DATE 10th September, 1962

Prof. G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
Milan,
Italy.

Dear Professor Natta,

M & B Laboratory Bulletin

We thank you for your letter of the 30th August from which we were very pleased to learn of your interest in our Laboratory Bulletin. We have much pleasure in advising you that we are sending you under separate cover, 4 additional copies of the May edition of this publication.

Yours sincerely,

R.W. Nichol

PERGAMON PRESS LIMITED

Pergamon House,
4 & 5 Fitzroy Square,
London, W.1.

Telegraphic Address: PERGAPRESS
Telephone: EUSTON 4455

JGM/PB

6 February 1962

Professor G. Natta,
Instituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci, 32,
Milano,
Italy

9 FEB 1962
94

Dear Professor Natta,

Polymer Science: U.S.S.R.

I read your letter of 1 February 1962 with much interest. I am glad to know that you have found this journal interesting and useful. The Company is aware of the importance of publishing the translated papers as soon as possible after their appearance in the original Russian, and it is our intention to reduce this interval to five months.

It is gratifying to know that you consider the most interesting papers have been selected for publication in full. Your suggestion that the abstracts should be grouped by subjects is interesting but would involve considerable work which of course adds to the expense and delays of publication. Moreover, it makes cross-references more difficult. I am sending Professor Burnett a copy of your remarks.

Yours sincerely,
PERGAMON PRESS LTD.

J. G. Mordue

DIRECTORS
CAPT. I. R. MAXWELL, M.C. (CHAIRMAN & MANAGING) · C. T. CLARK · E. J. BUCKLEY
HEAD OFFICE: PERGAMON HOUSE, 4 & 5, FITZROY SQUARE, LONDON, W.1. TEL.: EUSTON 4455

Feb.1, 1962

Mr.J.G.Mordue,
Pergamon Press Ltd.
Pergamon House,
4, Fitzroy Square,
London W.1. (Inghilterra)

our ref.908/lv

Dear Mr.Mordue:

Polymer Science: U.S.S.R.

Thank you for your letter of Nov.8, 1961, concerned with the publication of the journal: Polymer Science: U.S.S.R.

I consider this publication very useful, and often I have been interested in articles published in it.

One of the most important factors is the speed: the lapse of time from the publication in the Russian journal to that in English in your journal should be as short as possible.

I have noticed that those articles published unabridged were actually chosen among the most interesting ones. With regard to the abstracts, considering their number, I would propose to have them grouped according to the subject-matter; thus it would be much easier to find those abstracts one is interested in. This subdivision might be made as follows:

1) Preparation and synthesis of polymers
2) Mechanism of the polymerization processes
3) Physical properties of polymers
4) Technological properties of polymers

Or else, according to the nature of polymers:

1) Hydrocarbon polymers
2) Vinyl non-hydrocarbon polymers
3) Other polymers obtained by polyaddition
4) Polymers obtained by polycondensation
5) Natural polymers and their modifications
6) Graft polymers
7) Radical polymerization processes
8) Ionic and co-ordinated polymerization processes.

Kind regards,

Sincerely yours,

G.Natta

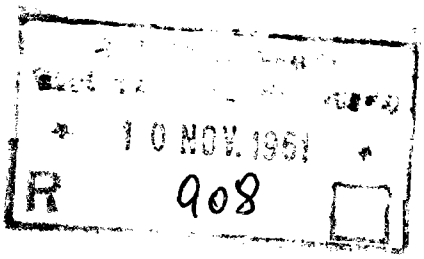
PERGAMON PRESS LIMITED
Pergamon House,
4, Fitzroy Square,
London, W.1.

Telegraphic Address: PERGAPRESS
Telephone: EUSTON 4455

JGM/PB

8 November, 1961

Professor G. Natta,
Istituto di Chimica Industriale del
Politecnico,
Piazza Leonardo da Vinci, 32,
Milan, Italy.



Dear Professor Natta,

Polymer Science: U.S.S.R.

About the time when the first issue of the above journal was published I wrote to all members of the Honorary Editorial Advisory Board, including yourself, requesting observations on the method of selecting the papers, the accuracy of the translations and the standard of production. The substance of the replies has been conveyed to the Chairman of the Board, Sir Harry Melville, K.C.B., F.R.S.

Since then nearly two years' publication programme has been completed. The last 1961 issue, Vol. 2, No. 4, is due to appear in a few weeks. The amount and importance of work appearing in the original Russian journal, Vysolomolekulyarnye soedineniya, continues to increase, and there has been a good response to the appearance of our English version.

It would now be very helpful to the Publishers, and also particularly to the Scientific Translation Editor, Professor G. M. Burnett, to receive further comments from members of the Board to give guidance on the policy for the future. I look forward to hearing your views about the usefulness of the translations and the quality of the production in Polymer Science: U.S.S.R.

Yours sincerely,
PERGAMON PRESS LTD.

J. G. Mordue

DIRECTORS
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JGM/FEA

1 November 1961

Professor G. Natta,
Istituto di Chimica Industriale,
del Politecnico,
Piazza Leonardo da Vinci 32,
Milano, Italy.

Dear Professor Natta,

Polymer Science: U.S.S.R.

Thank you for your letter of 23 October. I am sorry to hear that you have been unwell for so long.

I am grateful for your suggestions of Companies which might be interested in this journal, and I am instructing our Publicity Department to make use of this idea.

Yours sincerely,
PERGAMON PRESS LTD.

J. Graham Mordue

J. G. Mordue

DIRECTORS

CAPT. I. R. MAXWELL, M.C. (CHAIRMAN & MANAGING) · C. T. CLARK · E. J. BUCKLEY

Oct. 23, 1961

Mr. J. G. Mordue,
Pergamon Press Ltd.
Pergamon House,
4 & 5 Fitzroy Square,
London W.1. (Inghilterra)

our ref. 684/lv

Dear Mr. Mordue,

Polymer Science i U.S.S.R.

I apologize for answering your letter of July 13 only now. My delay is due to a long period of convalescence I had to take after the surgical operation I underwent in July. I started working again at the Polytechnic only a short time ago.

I wish to suggest you to send copies of your journal to the following Companies, which may be interested in:

- Soc. Montecatini - Ufficio Documentazione Tecnica - Largo Donegani 1-2 - Milano.
- Soc. Bombrini Parodi Delfino - Direzione Laboratorio Ricerche - Colleferro (Roma).
- Soc. Snia Viscosa - Centro Sperimentale Marinotti - Cesano Maderno (Como).
- E.N.I. - Istituto Ricerche - San Donato Milanese.

With best regards,

Very truly yours,

G. Natta

PERGAMON PRESS LIMITED

Pergamon House,
4 & 5 Fitzroy Square,
London, W.1.

Telegraphic Address: PERGAPRESS
Telephone: EUSTON 4455

18 LUG 1961
R 684

JGM/jm

Professor G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
Milano, Italy.

13 July 1961

Dear Professor Natta,

Polymer Science : U.S.S.R.

I am glad to hear that your complimentary copies of the above-mentioned Journal are reaching you safely, and that you think they are of interest. If you can send me the names of the Italian Institutes of Research, which you feel would like to receive presentation copies, I shall be pleased to arrange for these to be supplied.

The subscription price is £20 ($60) per year. There are four issues per year; but in the case of the 1960 issues, we found that the work and expense involved in the preparation of the first three issues was greater than we expected. We have therefore treated the first three issues of 1960 as the equivalent of the whole year's production. In 1961 and in future years we shall continue to publish four issues per year.

It is a great help to this Company to receive the opinions of members of the Honorary Editorial Advisory Board regarding the new Journal, and I hope you will be able to write to me again from time to time.

With best regards,

Yours sincerely,
PERGAMON PRESS LTD.

J. Graham Mordue

J.G. Mordue

DIRECTORS
CAPT. I. R. MAXWELL, M.C. (CHAIRMAN & MANAGING) · C. T. CLARK · E. J. BUCKLEY
HEAD OFFICE : PERGAMON HOUSE, 4 & 5, FITZROY SQUARE, LONDON, W.1. TEL. : EUSTON 4455

June 19, 1961

Mr. J.G. Mordue,
Pergamon Press Ltd.
Pergamon House,
4, Fitzroy Square,-
London, W.1. (Inghilterra)

our ref. 35/lv

Dear Mr. Mordue,

Polymer Science U.R.S.S.

Thank you very much for kindly sending me copies of the above Journal.

I would like to know how much is the subscription of the journal and how many issue a year will be published.

I think that it will interest some Italian Institutes of Research, particularly of industry. I can send you their names, if you wish to send them a presentation copy. If you prefer, you can also send us a certain number of copies which we can deal out to them.

With my best regards,

Sincerely yours,

G. Natta

PERGAMON PRESS LIMITED
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4, Fitzroy Square,
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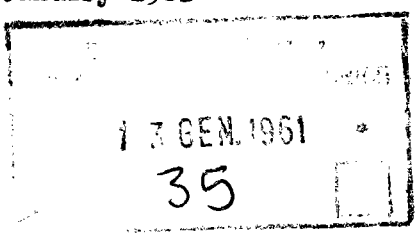
Telephone: EUSTON 4455

JGM/ih

9 January 1961



Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan, Italy.

Dear Professor Natta,

Polymer Science U.S.S.R.

Since your kind acceptance of our invitation to join the Honorary Editorial Advisory Board of the above new Journal of selected translations from the Russian, production of the first issue has been going ahead with our printers in Poland.

Production of the new Journal is handled by Pergamon Press for Pergamon Institute, and advance copies of this first issue have now been approved in this office. Your gratis copy as a member of the Board will be despatched to you from Poland in a week or two. This gives us an opportunity for the members of the Board to give us their views on the value of the papers selected and of the standard of production. If you have any observations, please send them to this office.

We have been privileged to obtain the services of Sir Harry Melville, K.C.B., F.R.S., of the Department of Scientific and Industrial Research, as Chairman of the Honorary Editorial Advisory Board. Sir Harry Melville has already been sent an advance copy of the Journal and it is our intention to convey the opinions of members of the Board to him so that full consideration of our policy for future issues can be undertaken. Any decisions will then be clearly available to Professor Burnett, the Scientific Translation Editor.

We hope that you will feel this is a useful way of ensuring that the new Journal makes a most significant contribution to the dissemination of Russian scientific knowledge to the English-speaking world.

Yours sincerely,
PERGAMON PRESS LTD.

J.G. Mordue

DIRECTORS
CAPT. I. R. MAXWELL, M.C. (CHAIRMAN & MANAGING) · C. T. CLARK · E. J. BUCKLEY

Dec.11, 1962

Sir Robert Robinson,
170 Piccadilly,
London W.1. (Inghilterra)

our ref.926/lv

Dear Sir Robert,

I was very glad to learn that you and Lady Stearn will come to Milan on Dec.20. As Rosita already wrote to Lady Stearn, we will be very pleased to have you as our guests, since we have two spare rooms for you at home.

It will be also a pleasure for me to discuss with you, for a possible publication in Tetrahedron, a paper on a new type of optically active polymers, in which the asymmetric carbon does not correspond to the usual definition in organic chemistry, and of which we are examining the extension to low-molecular-weight cyclic substances.

Looking forward to meeting you and Lady Stearn soon, I send kindest regards.

Giulio Natta

England.

June 6, 1962

Sir Robert Robinson
170 Piccadilly
London W.1 (Inghilterra)

Dear Sir Robert,

Soon after my return to Milan from Paris where I had attended the European Congress on Plastics and Rubbers, I left for Naples in order to attend the Congress of the Italina and Swiss Chemical Societies. I came back to Milan only yesterday. Therefore, please excuse my delay in thanking you for all the courtesies extended to us on our stay in London and in particular for inviting us to dinner.

Please forward my kindest regards to Lady Stearn.

With the hope that an opportunity will arise in the near future to meet you in Milan, I send you my kindest regards.

G.NATTA

Aug.30, 1962

Mr.D.J.Roughan,
May & Baker Ltd.,
Dagenham (Essex)

your ref.EX/DJR/PC/LAB
our ref.656/lv

Dear Mr.Roughan,

Thank you very much for kindly sending me copies of your Laboratory Bulletin, bearing the article written by Prof.Giua on "Chemistry Teaching in Italy".

Thanking you again, I send you my best regards.

G.Natta

P.S. Would you be kind enough to send me three or four more reprints of this article.

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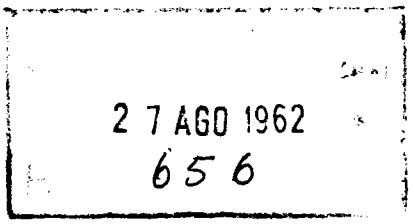
OUR REF. EX/DJR/PC/LAB. YOUR REF. DATE 10th August, 1962.

Professor Giulio Natta,
Facolta d'Ingegneria,
Politecnico di Milano,
Milano,
Italia.



Dear Professor Natta,

We enclose herewith a copy of our Laboratory Bulletin in which you will find on pages 23 to 27 a most interesting article written by Professor Giua of the University of Turin on 'Chemistry Teaching in Italy'.

It occurs to us that this article may very well be of considerable interest to you and your students and we should be only too happy to send you some further copies for distribution in the event that you think Professor Giua's article and the remaining contents of the Bulletin would be of value to the students.

It is somewhat unfortunate that stocks of our Laboratory Chemical range are not at the moment available locally in Italy, but the writer would hope to visit your country towards the end of this year, when arrangements may possibly be made for such facilities. At that time we hope that we can be of some further service to you.

We shall be most interested to hear from you on the question of extra copies of the Bulletin and approximately how many you would like to have.

Yours sincerely,

for

D.J. Roughan

Thank you very much for kindly sending me ~~to~~ copies of your Laboratory Bulletin bearing the article written by Prof. Giua on "Chemistry Teaching in Italy" -

Thank you very much again, and best regards.

Negotiate

June 4, 1962

Dr.A.Pickett,
Rubber & Plastics Age,
Tenterden, Kent (Inghilterra)

Dear Dr.Pickett,

Thank you very much for kindly sending me "Rutin-T" through Dr.Crespi.

Rosita joins me in sending you and Margaret best thanks and kindest regards.

Sincerely yours,

G.Natta

May 2, 1962

Mr. Alan J. Pickett,
Rubber & Plastics Age,
Editorial Office,
Tenterden, Kent (Inghilterra)

our ref.363/lv

Dear Mr.Pickett,

Thank you very much for your kind letter of April 24 and for the flattering article you wrote about myself.

Excuse my delay in writing, but your letter reached me only yesterday, on my return to Milan after a period of rest spent at Sanremo with Rosita.

As you will see, I took the liberty of making a few corrections and some additions to your article.

I wish to inform you that on Sunday evening, May 13, I shall arrive in London (Grosvenor House Hotel) and leave on Monday at 12 a.m. for Moretonhampstead, where I shall attend the Meeting sponsored by the "High Polymer Research Group" on "Mechanism of Stereospecificity". I shall leave Moretonhampstead next Thursday or Friday.

Rosita joins me in sending you and Mrs.Pickett kindest regards.

Very truly yours,

G.Natta

P.S. Under separate cover, I send you the article and some photographs which I would like to have back. Please, do not publish the photograph you sent to me.

Telegrams & Cables: PICKETT, TENTERDEN *Telephone:* BIDDENDEN 465

RUBBER & PLASTICS AGE

(*Proprietors:* Rubber & Technical Press Ltd.)

THE INDEPENDENT INTERNATIONAL POLYMER JOURNAL

Editorial Office

YOUR REF.:

OUR REF.: AJP/CH

TENTERDEN, KENT,
ENGLAND

24th April, 1962

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

363

Dear Professor Natta,

I have just completed an article based on my visit to your Institute in Milan. I enclose a copy and I should be most grateful if you could return it as soon as possible with any necessary additions or corrections.

You will notice that I have left several blank spaces; these are where I did not have all the information I required. Where I have mentioned your co-workers it would be very helpful if you could put in where they are Heads of Departments, or what their particular field of work is. Also, you may wish to put them in order of seniority or alphabetical order.

You may remember that when we last met you mentioned a possible paper on "Butadiene-Pentadiene Copolymers". I should be most interested to hear from you whether there is any chance that such a paper will be ready by the middle of August.

With best personal regards to you and your wife,

Yours sincerely,

Alan Pickett.

P.S. I enclose a photograph for identification. I have a better one than this, but perhaps you could confirm the caption on the back. In addition, have you any other photographs taken inside the Institute?

Professor Natta's principal co-workers, working at present in the Institute of Industrial Chemistry of Milan Polytechnic, are :

Names	Main fields of researches
Dr. E.Beati Dr. F.Severini	Graft polymers
Prof.Dr.I.W.Bassi Dr.Ing.G.Allegra	X-ray determination of chain and lattice structures of polymers and of the structure of catalysts
Dr.Ing.G.Crespi	Technological properties of plastics and elastomers
Dr.G.Dall'Asta	Stereospecific cationic polymerizations
Prof.Dr.Ing.F.Danusso Prof.Dr.G.Moraglio	Physical chemistry of high polymers
Prof.Dr.R.Ercoli Dr.F.Calderazzo	Complexes, in particular carbonylic complexes of transition metals
Prof.Dr.M.Farina	Synthesis of polytactic polymers and asymmetric synthesis of polymers
Dr.U.Giannini	Studies of catalytic complexes
Prof.Dr.L.Giuffrè	Analytical Problems
Dr.Ing.E.Lombardi Dr.Ing.S.Castellano	Nuclear Magnetic Resonance
Dr.P.Longi	Stereospecific polymerizations of alpha-olefins
Prof.Dr.Ing.E.Mantica Dr.M.Peraldo	Infrared spectrography, in particular applied to the structural study of high polymers
Prof.Dr.G.Mazzanti	Polymers and copolymers of unsatured monomers, in particular vinyl monomers and monomers containing oxygen or nitrogen

Prof.Dr.Ing.D.Pagani	Technological tests and industrial application of plastics
Prof.Dr.Ing.G.Pajaro	Radiochemical determinations applied to high polymers synthesis and structure
Prof.Dr.Ing.I.Pasquon	Catalysis and chemical kinetics, in particular in the field of stereospecific polymerizations
Prof.Dr.Ing.M.Pegoraro	Mechanical and electrical properties of high polymers; fractionation of high polymers
Prof.Dr.L.Porri	Diolefin polymers
Dr.G.F.Pregaglia	Stereospecific polymerizations of oxygenated monomers
Dr.A.Valvassori	Copolymerizations

Other co-workers which highly contribute to the work carried out in the Milan Polytechnic, are:

Prof.P.Corradini - presently Director of the Institute of General Chemistry at Naples University

Prof.P.Pino - presently Director of the Institute of Industrial and Organic Chemistry at Pisa University

15th March, 1962

Inglaterra

Mrs A. Pickett
RUBBER & PLASTICS AGE
Tenterden, Kent (Inghilterra)

our ref. 199/eg

Dear Mr. Pickett,

I mostly regret I missed the opportunity of meeting you and Mrs. Pickett, during your stay ah Zermatt. We could not take a trip to Zermatt as we would have liked to, because we were engaged to spend the subsequent week at Cortina, where we found a wonderful snow, but a bad weather.

I have received a letter from Miss Hastie dated March 9, 1962 concerning the publication of an article on the supposed stereosymmetric polypropylene of Eastman Kodak. The writing of this article has been delayed because we had to examine about twenty different samples of polypropylene from all points of view, put on the market by Eastman Kodak. In addition we repeated accurate runs of synthesis under the conditions indicated in the Eastman Kodak patents, and investigations on the actual composition of the catalytic agent.

I suppose that the paper will be ready within the end of next week, that is by March 24. Please let me know as soon as possible if you think it is too late for publishing the article in the April issue.

If so, please tell me the deadline for publication in the May issue; in this case we shall be able to prepare the manuscript in less hurry.

Thanking you in advance.

Rosita joins me in sending you and Mrs. Pickett kindest regards.

G.NATTA

Telegrams & Cables: PICKETT, TENTERDEN

Telephone: BIDDENDEN 465

RUBBER & PLASTICS AGE

(*Proprietors:* Rubber & Technical Press Ltd.)

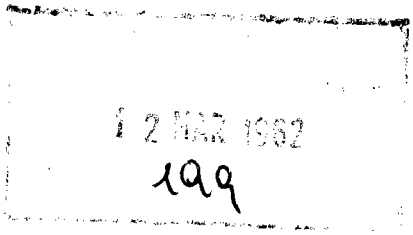
THE INDEPENDENT INTERNATIONAL POLYMER JOURNAL

Editorial Office

TENTERDEN, KENT,
ENGLAND

YOUR REF.:

OUR REF.: CAH/RP



9th March, 1962

Professor G. Natta,
Istituto di Chimica Industriale,
Piazza Leonardo da Vinci 32,
Milano.

Dear Professor Natta,

Thank you very much for your recent letter. We were sorry that you were not able to send us your Letter to the Editor on polypropylene in time for our March issue.

However, we should very much like to include it in the April issue. Could you please therefore send us your Letter to the Editor as soon as possible.

Mr. Pickett has now returned from Switzerland and I am sure he will be writing to you himself soon.

Yours sincerely,

Caroline Hastie

(Miss) Caroline Hastie

TEL. NO. 31751

Dept. of Physical Chemistry
THE UNIVERSITY
LEEDS 2

May 14. 1962.

Dear Professor G. Natta,

Thank you very much for your letter of May 2. 1962.

I am glad to visit your institute on June 6. I will come up around 10 a.m.

Yours sincerely

S. Tazuke

(Dr. S. Tazuke)

Inghilterra

May 2, 1962

Mr. S.Tazuke,
Dept.of Physical Chemistry,
The University,
Leeds, 2 (Inghilterra)

our ref. 370/1v

Dear Mr.Tazuke:

With regard to your letter of April 26, 1962, I wish to inform you that you can come and visit my Institute on June 6. If by chance I am out of town in that period, please contact Prof.Danusso or Prof.Pegoraro, of my Institute.

With best regards.

G.Natta

TEL. NO. 31751

ept. of Physical Chemistry
THE UNIVERSITY
LEEDS 2

April 26, 1962

Professor G. Natta,
Institute of [illegible] Chemistry
Milano,
Piazza Leonardo da Vinci, 370

Dear Professor G.Natta,

I am afraid that my letter on 10th April may not have got to you. I am working under Professor Bainton in polymer chemistry and radiation Chemistry and would like to visit your institute on 6th June.

If you permit me to visit your institute and give me the reply at your earliest convenience, I would be very pleased.

Since I am leaving Leeds on 10th April I hope to hear from you before that time.

Yours sincerely

S. Tazuke

S.Tazuke

[illegible]

TEL. NO. 31751

THE UNIVERSITY
LEEDS 2

April 10, 1962.

Professor G.Natta,
Istituto Chemica Industriale,
Milano,
Italy.

307

Dear Professor G.Natta,

I, a Japanese researcher on leave from Dept of Polymer Chemistry, Kyoto University, Kyoto, Japan, would like to have a pleasure of visiting your laboratory on June 6, 1962.

I am now working under Professor F.S.Dainton and Dr. E. Collinson in Dept. of Physical Chemistry of the University of Leeds, but going to finish in a short time. My particular interests lie in polymer chemistry, radiation chemistry and redox reaction involving transition metal ions. I would like to show you the outline of my recent work which I have done in England.

"Radiation Induced Polymerization of Acrylamide in Aqueous Solutions and its Application to the Study of Redox Reactions between Ions and Radicals".

A. Kinetics.

(1) $H_2O \longrightarrow H + OH\cdot$ $\quad (G_H + G_{OH})\, I_{abs}$

(2) $H, OH + \text{Acrylamide(AM)} \rightarrow P\cdot$ $\quad ({}^{H}k_i[H] + {}^{OH}k_i[OH])[AM]$

(3) $P\cdot + AM \longrightarrow P\cdot$ $\quad k_p[AM][P]$

(4) $P\cdot + P\cdot \longrightarrow$ Polymer $\quad k_t[P]^2$

(5) $R_{p_o} = k_p/k_t^{\frac{1}{2}}\, I_{abs}(G_H + G_{OH})^{\frac{1}{2}}[AM]$

When a radical scavenger, S, reacts with $P\cdot$.

(6) $P\cdot + S \rightarrow$ Polymer $\quad k_t'[P][S]$

(7) $R_p^2 = R_{p_o}^2 - k_p k_t'/k_t [S][AM] R_p$

Some oxidizing trasition metal ions compete with AH for H and also for P , but do not react with OH .

(8) $M^{n+} + AH \rightarrow M^{(n-1)+} + H^+ \qquad {}^{H}k_1 [M^{n+}][H]$

then

(9) $$R_p^2 = k_p^2 / k_t \, I_{abs} [AM]^2 \left(G_{OH} + G_H \frac{{}^{H}k_i [AM]}{{}^{H}k_i [AM] + {}^{H}k_1 [M^{n+}]} \right) - k_p k_t' / k_t [AM][M^{n+}] R_p$$

From these kinetic equations we measured ${}^{H}k_1 / {}^{H}k_i$ and k_t' for various transition metal ions.

B. The study of primary species produced in the radiolysis of water.

It has been suggested that hydrogen atoms produced by the action of ionizing radiation on water may exist in different forms, namely solvated electrons(e^-_{aq}) and protonated H atoms(H_2^+) depending on pH. Using Ag^+ and Hg^{2+} as scavengers, the study of primary salt effect on the measurement of ${}^{H}k_1 / {}^{H}k_i$ and the application of the Debye-Hückel theory provide an evidence that "H" atoms produced by the radiolysis of water are solvated electrons at pH 4 and "neutral" H atoms at pH 2. (Proc.Chem.Soc. in press).

C. The study on the redox reaction between transition metal ions and radicals.

k_t' and its dependence on temperature have been measured for the following ions.

aquo oxidizing ions; Fe^{3+}, Cu^{2+}, Ce^{4+}, Hg_2^{2+}, Ag^+, Tl^{3+}

labile ferric complexes; FeX^{2+} (X = Cl^-, OH^-, Br^-, N_3^-, SCN^-)

non-labile ferric complexes; FeY_3^{3+}, Y = dipyridyl, 1,10-phenanthroline 5-substituted 1,10-phenanthrolines.

The activation energy for the linear termination reaction is small and in some cases it has been observed as a negative quantity. This indicates that the linear termination reaction involves an equilibrium in which the heat change is large and negative. For example, the reaction mechanism of labile ferric complexes is expressed as follows.

(10) $FeX^{2+} + P \rightarrow [Fe^{3+} \ldots X^- \ldots P]$ $\quad \Delta H < 0$

(11) $[Fe^{3+} \ldots X^- \ldots P] \leftrightharpoons [Fe^{2+} \ldots X^- \ldots P^+]$

(12) $\{Fe^{2+}....X^{-}....P^{+}\} \rightarrow Fe^{2+} + X^{-} + P^{+}$

(13) $P^{+} + H_2O$ (or X^{-}) $\rightarrow$ P-OH (or P-X) + H^{+} small activation energy, E.

The overall activation energy $E_t' = \Delta H + E$. If $|\Delta H| > E$, $E_t' < 0$ D. The added electrolytes which are inert to redox reaction ($NaClO_4$ and Na_2SO_4) increase the rate of polymerization in such a manner as expressed by an equation, $\log k_p = \log(k_p)_{\mu=0} + C\mu$ (C=constant, μ=ionic strength).

I would be most grateful if you could show me round your laboratory. When you are not likely to be in your laboratory on the date which I mentioned, would you mind suggesting me an alternative date so that I will be able to change my itinerary.

Looking forward to hear from you soon.

Yours very sincerely,

S. Tazuke

Shigeo Tazuke
Dept. of Physical Chemistry,
The University,
Leeds 2,
ENGLAND.

THE ROYAL INSTITUTE OF CHEMISTRY
PATRON: H.M. THE QUEEN
30 Russell Square, London, W.C.1

LANgham 3482

26 February, 1962

Dear Sir,

SUMMER SCHOOL IN ANALYTICAL CHEMISTRY

I have pleasure in sending you some leaflets and registration forms for the Summer School in Analytical Chemistry to be held in Manchester from 9 to 15 September, 1962.

I would particularly draw your attention to Course I: Physical Methods of Organic Chemistry, which it is considered may have a special appeal to organic chemists in academic and research institutions. This Course, which will take the form of two separate but concurrent workshops, aims to present an intensive study of the interpretation of spectra in terms of molecular structure. Facilities are being provided to accommodate a relatively large number of chemists in these two workshops. Many instruments of the latest design will be available and an experienced team of tutor/demonstrators has been appointed. It is thus hoped to provide, possibly for the first time in Europe, unique opportunities for a residential course of this nature.

Yours faithfully,

D. G. Chisman

D.G. CHISMAN,
Education Officer.

Enc.

SUMMER SCHOOL IN ANALYTICAL CHEMISTRY - MANCHESTER, 1962

To the Education Officer
Royal Institute of Chemistry
30 Russell Square
London W.C.1

Name : Luigi GIUFFRE'

Qualifications : Doctor in Industrial Chemistry

Address : Istituto Chimica Industriale del Politecnico
Piazza Leda Vinci 32 - Milano (ITALY)

Appointment held : Assistant Professor in Analytical Chemistry

I wish to take part in the Summer School in Analytical Chemistry to be held in Manchester in September 1962.

Lectures only, Course No.II	£ 8	8s	0d
Residential accomodation	£ 8	8s	0d
	£16	16s	0d

15.3.1962

April 16, 1964

Mr. John W. Nicholls, F.C.I.S.,
General Secretary
The Society of Dyers & Colourists
Dean House,
19 Piccadilly
P.O.Box 244, Bradford, 1, Yorkshire

Dear Mr. Nicholls,

As you probably know, prof. Centola, last Sunday, on the occasion of the Meeting of the "Associazione Italiana di Chimica Tessile e Coloristica", gave me the Perkin medal.

I wish to renew my sincerest thanks to your Society for this honour bestowed on me, which was highly appreciated.

I am also very grateful to you for arranging this presentation in Italy: I would have come to England with great pleasure if my state of health had allowed it.

Thanking you very much again, I send you my kindest regards.

G. Natta

Oct. 5, 1962

The Radiochemical Centre,
The U.K.Atomic Energy Authority,
Amersham, Buckinghamshire

Dear Sirs,

Following our order of Sept.26 and answering your cable of Oct.3, 1962, we wish to inform you that we desire, if possible, 5 ml of tritium water, having an activity of 200 mc/ml: that is, a total activity of 1 c.

If possible, please, send us this supply in 5 vials, each containing 1 ml of tritium water having an activity of 200 mc/ml.

In any case, please, notice that we are interested in receiving your smallest package.

Thanks and kindest regards.

G.Natta

per Mariotti

Inglese

Feb.15, 1962

To the U.K.A.E.A.
The Radiochemical Centre,
Amersham, Buckinghamshire,
(Inghilterra)

Dear Sirs:

I would mostly appreciate receiving the Amersham and Harwell Catalogues.

Thank you and best regards.

G.Natta

p.p. Zambelli

Oct. 3, 1962

Dr.K.Wilkinson,
The University of Manchester,
Dept.of Chemistry,
Manchester 13, Inghilterra

our ref.745/lv

Dear Doctor Wilkinson:

Thank you for your letter of Sept.29, 1962. I am pleased to learn that you are going to come in a very short time.

Considering that I shall be out of town on October 9th, please contact Prof.Pegoraro on your arrival. He will be very glad to welcome you here.

Very truly yours,

G.Natta

THE UNIVERSITY OF MANCHESTER
DEPARTMENT OF CHEMISTRY
MANCHESTER, 13.

TELEPHONE: ARDWICK 3333

29th. September, 1962

Professor G. Natta,
Instituto Chim. Indust. del Politecnico,
Milano,
Italy.

Dear Professor Natta, 745

I shall be arriving shortly to take up my Research Fellowship in your laboratories, and am looking forward to meeting you and thanking you personally for accepting my application to work with you.

I expect to arrive in Milan on October 9th., at about mid-day, and will call at the Institute during the afternoon.

Yours sincerely,

K. Wilkinson

K. Wilkinson

Dec.21, 1962

Mr.W.Titow,
YARSLEY RESEARCH LABORATORIES LTD
Clayton Road,
Chessington, Surrey (England)

our ref.942/lv
your ref.WT/JB/E.8966

Dear Mr.Titow,

With regard to your letter of Dec.13, 1962, I regret informing you that at present samples of polyhexafluoropropylene are not available in our laboratory. This product has not yet been produced on an industrial scale in Italy.

If by chance a sample of polyhexafluoropropylene becomes available in my Laboratory, I shall be glad to send it to you.

Sincerely yours,

G.Natta

YARSLEY RESEARCH LABORATORIES LTD.

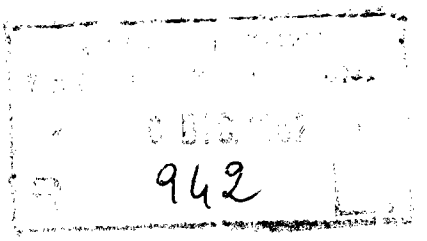
TELEPHONE: EMBERBROOK 5515/8
CABLES AND TELEGRAMS } YARSLEYS CHESSINGTON

CLAYTON ROAD
CHESSINGTON
SURREY

OUR REF. | YOUR REF. | DATE

WT/JB/E.8966 | 13th December, 1962.

Prof. Giulio Natta,
Politecnico di Milano,
Piazza Leonardo da Vinci 32,
Milano,
I T A L Y.



Dear Sir,

We understand that in the course of your work on the catalytic polymerisation of olefines and olefin derivatives, you have recently prepared polyhexafluoropropylene. As we are interested in industrial applications of fluoropolymers we wonder if it would be possible for you to let us have a small sample of polyhexafluoropropylene, or alternatively, whether a sample could be purchased from your industrial associates.

Yours truly,
For: YARSLEY RESEARCH LABORATORIES LIMITED.

W. TITOW.

Directors: V. E. Yarsley, M.Sc., D.Sc. (Tech.), F.R.I.C., M.I.Chem.E., F.P.I., (*Chairman & Managing*) ~~C. Webber, M.A. (Oxon.), Ph.D. (Lond.), A.M.I.Chem.E., (Vice-Chairman)~~
W. Flavell, B.Sc., A.R.I.C. G. C. Ives, B.Sc., A.R.I.C., F.P.I. T. L. Birrell, M.A., B.Comm., F.P.I. W. Toft, F.C.A. Secretary: M. W. Henderson, F.C.I.S.

1963

DOTT. ING ANTONIO GIACHIN

TELEGRAPHIC & TELEX: 23229 GABBROENG. LDN.

CABLE ADDRESS: GABBROENG, LONDON, W.1

TELEPHONE: GROSVENOR 5189 (2 LINES)

10 UPPER GROSVENOR STREET,

LONDON, W.1.

5 Luglio, 63.

726
8 LUG 1963

Preg.mo Signor
Prof. G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci,
Milano.

Gentilissimo Professore,

a seguito del Suo telegramma di ieri ho provveduto a prenotare l'alloggio per il Suo Collaboratore e Consulente della Montecatini, Prof. Porro, presso il London Hilton Hotel, Park Lane, W.1, dal 9 Luglio p.v. e per circa tre notti.

Ho altresì provveduto ad avvisare, a mezzo telegramma, il Prof. Porro di quanto sopra.

Mi è gradita l'occasione per inviarLe, egregio Professore, i miei migliori ossequi.

fr

A. Giachin

MA/JB.

M. APLEY, B.Sc., F.R.I.C., F.P.I.
CONSULTING CHEMIST

15, MOUNT DRIVE,
WEMBLEY PARK,
MIDDLESEX.
Telephone ARNold 3114

- 5 APR. 1963
R 293

Your ref: 220/eg.

2nd April, 1963.

Professor Natta,
Istituto Di Chimica Industriale
Del Politecnico,
Piazza Leonardo Da Vinci 32,
Milan, Italy.

Dear Professor Natta,

(220)

Thank you for your letter of the 25th March and I am most grateful to you for your reply.

I have seen papers written by Professor Topchiev and his collaborators on the subject of 1:3 polymerization of the alpha-olefins, and I gathered from the literature that Professor Krentzel had largely taken over the work since the death of Professor Topchiev.

Again many thanks for your kind co-operation.

Your sincerely,

M. Apley.

Inglist

Marhh 25, 1963

Mr. M. Apley
15, Mount Drive
Wembley Park,
Middlesex (~~USA~~) Inghilterra

ur ref. 220/eg

Dear Mr. Apley:

Thank you for your letter of March 16, 1963.

The 1:3 polymerization of alpha-olefins was not directly studied by us. This field has been and is being dealt with by Russian chemists, ex-co-workers of prof. Topchiev. Among them mention must be made of prof. Kbentzel. Prof. Topchiev died at the end of last december.

1 : 3 polymerizations can occur when the atom in 3 is substituted in such a way as to increase its electropositivity, when catalysts are used, acting through a cationic-type mechanism.

Sincerely yours

G. Natta

M. APLEY, B.Sc., F.R.I.C., F.P.I.
CONSULTING CHEMIST

15, MOUNT DRIVE,
WEMBLEY PARK,
MIDDLESEX.
Telephone ARNold 3114

Ref: 2T/Gen

16th March, 1963.

Professor G.Natta,
Instituto Di Chimica Industriale
Del Politecnico,
Piazza Leonardo Da Vinci, 32,
Milano.



Dear Professor Natta,

May I thank you most sincerely for kindly sending me the reprint of your Paper on the structure of the chain of crystalline polypropylene oxide.

This was of interest to me in connection with a study I have been making on isotactic polypropylene oxide. If perhaps you or your colleagues are publishing further work on this subject in the near future I would be greatly obliged if you could let me know so that I can look out for the publications in the journals.

I have also been interested in the 1:3 polymerisation of propylene and butylene, and the 1:6 polymerisation of styrene, which have been mentioned by Mr. Norman Gaylord in a Report in Chemical Engineering of December 1961, pp. 17-19.

I have so far not been able to trace reports of any work concerned with this novel type of polymerisation apart from a paper by Topchiev and your own communication to the Journal of the American Chemical Society Vol.82,1962, pp. 1488-1490.

May I ask if you could let me know of any other references to head to tail polymerisation, particularly in connection with propylene in which subject I am most interested.

With many thanks,

Yours sincerely,

M.Apley.

M.Apley.

Jan.14, 1963

Mr.M.Apley, B.Sc.,F.R.I.C.,F.P.I.,
15, Mount Drive,
Wembley Park,
Middlesex (Inghilterra)

our ref.9/lv

Dear Doctor Apley,

With regard to your letter of Dec.27, 1962, I wish to inform you that I herewith enclose a reprint of the paper:

G.Natta, P.Corradini, G.Dall'Asta: Structure of the chain of crystalline polypropylenoxide.

The paper is essentially a study of the crystalline structure of polypropylenoxide and a comparison is made with isotactic polypropylene. I regret not to have a translation into English of this paper.

With best regards,

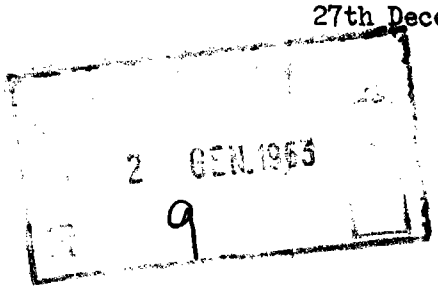
Giulio Natta

Encl/

M. APLEY, B.Sc., F.R.I.C., F.P.I.
CONSULTING CHEMIST

15, MOUNT DRIVE,
WEMBLEY PARK,
MIDDLESEX.
Telephone ARNold 3114

27th December, 1962.



Professor G.Natta,
Institute of Industrial Chemistry,
Polytechnico, Milan.

Dear Professor Natta,

I am writing to ask if you can possibly let me have a copy of the paper writtenby yourself, Corradini and ~~Dall'Asta~~ in the "Atti Academ.Nazl.Lincei, Rend. Classe Sci, fis., ~~mat.e~~ nat." Vol 20, 1956, pp. 408 - 413.

The Paper deals with the structure of the crystalline polypropylene oxide chain, and I understand compares isotactic polypropylene with the crystalline polypropylene oxide chain described by Price, Osgan, Hughes and Shambelan in J.Am. Chem.Soc.78, 1956, pp. 690-691.

My attention was drawn to your Paper by a reference in Chemical Abstracts Vol. 50, 12901c.

I would be greatly obliged if you could help me to obtain a copy of your paper, or of an English translation of it if you happen to have one available.

With many thanks,

Yours sincerely,

M.Apley.

March 29, 1963

Dr.G.Dring
Bakelite Ltd.
12-18 Grosvenor Gardens,
London S.W.1 (Inghilterra)

cc : Dr.G.Saccenti

our ref.257/lv

Dear Doctor Dring,

Thank you for your kind letter of March 25.
The loss of Prof.Nasini, who, for many years, represented Italy to the Plastics and High Polymers Division of I.U.P.A.C., has distressed us very much too. The goodness of his heart, the wide circle of acquaintances he had in the chemical world, his mastery of foreign languages make him unreplaceable.
I had the good chance to be a close friend to him and particularly in these last years we spent much time together.
Thus his death caused a very deep personal sorrow for me.

With regard to the Italian representation on the Plastics and High polymers Division of I.U.P.A.C., I have already written to the President of the Committee for Chemistry of the Italian National Research Council, that I am willing to accept Nasini's proposal to become Titular Member and that I agree with the proposal made by Dr.Saccenti, concerned with the appointment of Dr.Greco as National Representative.

With kind regards.

Giulio Natta

Cc: Dr. A.F. McKay
Dr. G.M. Kline
Dr. R. Morf
Dr. J.H. Bushill
Prof. G. Natta ✓
Dr. G. Saccenti
GD

GD/GET

BAKELITE LIMITED
12-18 Grosvenor Gardens,
London, S.W.1.

25th March, 1963

Consiglio Nazionale delle Ricerche,
Comitato per la Chimica,
Piazzale delle Scienze 7,
Roma,
Italy.

Dear Sirs,

As Chairman of the Plastics and High Polymers Division of IUPAC I am writing primarily to express to you our deep sorrow and our sincere regrets at the death of Professor Nasini. He was one of the most active, helpful and valued members of the Division and we shall miss him and his wide knowledge and experience of IUPAC very much.

Following our last meeting in Montreal I had been discussing with Professor Nasini the question of Italian representation on the Plastics and High Polymers Division and at the time of his death I was awaiting a letter from him in regard to the various matters we had discussed.

The Division is allowed to have a maximum of eight Titular Members, of whom, it had been agreed, Italy should be asked to nominate one. When I saw Professor Nasini in Turin last September his proposal was that Professor Natta should be the Titular Member and he was going to ascertain whether Dr. Saccenti would continue as a National Representative.

Since the death of Professor Nasini I have written to Dr. Saccenti and have asked him whether he would be continuing as a National Representative; and if not who it would be.

In reply Dr. Saccenti says he supports the idea of Professor Natta as Titular Member, but adds that as he (Dr. Saccenti) does not deal with plastics any more, his presence on the Division is out of the question and he believes that his position will be taken by Mr. Greco, the present manager of the Montecatini Synthetic Resins Division.

We (Dr. McKay, as Secretary, or myself, as Chairman) will be glad to have your nominations in due course for Titular Member and for not more than two National Representatives in order that they can be approved by postal ballot in time for the London meeting in July.

With cordial greetings,

Yours sincerely,

pp G. Dring [illegible]

G. Dring

COPY

The International Synthetic Rubber Company Limited
HYTHE. SOUTHAMPTON. HAMPSHIRE

Telephone: BLACKFIELD 3141
Telegrams: INTOL HYTHE SOUTHAMPTON
Telex: 47627

10 OTT. 1963
R

EWD/MS/9183

7th October, 1963.

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci, 32,
MILAN. ITALY.

Dear Professor Natta,

(832)

I was very pleased to receive your letter of 18th September which referred to the proposed visit of the prize winner of our competition. I will let you know early in the New Year further details, and will ensure that you are not put to any inconvenience.

Sincerest regards.

Yours,

Dr. E. W. Duck
for The International Synthetic
Rubber Company Limited

Sept.18, 1963

Dr.E.W.Duck,
International Synthetic Rubber Co
Hythe, Southampton, Hampshire

your ref.EWD/MS/9150
our ref.832/lv

Dear Docter Duck,

With regard to your letter of Sept.9, concerning the visit to my Institute of the winner of your interesting competition, I wish to inform you that I am glad to grant this permission.

Please, let me know the exact time of this visit with some advance.

Sincerely yours,

G.Natta

The International Synthetic Rubber Company Limited
HYTHE. SOUTHAMPTON. HAMPSHIRE

Telephone: BLACKFIELD 3141
Telegrams: INTOL HYTHE SOUTHAMPTON
Telex: 47627

EWD/MS/9150

12 SET 1963
R 832

9th September, 1963.

Professor G. Natta,
Istituto Chimica Industriale,
Piazza Leonardo da Vinci,
MILAN, Italy.

12 SET 1963
R

Dear Professor Natta,

In order to stimulate interest in the various more fundamental aspects of high polymer science among qualified industrial workers we are proposing to sponsor an essay competition. The main award for the best essay submitted would consist of visits to several important European centres of research of the catalytic, chemical, and physical aspects of polymers.

Since the Istituto Chimica Industriale in Milan under your direction has figured prominently in the polymer field during the last decade, we wondered whether a visit might be arranged to your Institute. We anticipate that the proposed visit would take place during the Spring of 1964, and we would be grateful if you could assist us in this respect. We would also be interested in any suggestions you may have regarding such a visit.

Other centres of research which are being approached in the first instance are:

Strasbourg: Centre de Recherches sur les Macromolecules.

Mülheim: Max-Planck Institut für Kohlenforschung.

Yours sincerely,

G. W. Duck

Dr. E. W. Duck
for The International Synthetic
Rubber Company Limited.

Oct.7, 1963

Professor G.Gee, C.B.E., F.R.S.,
The University of Manchester,
Manchester 13, Inghilterra

Dear Professor Gee,

Thank you very much for your kind letter of Sept.30, 1963. I too have enjoyed meeting you in Milan and in Turin, and only regret that there was so little time to spend at the Polytechnic. I do hope that an opportunity will arise to meet you in Italy again in the near future.

I also wish to thank you very much for the interesting lecture you held at our Institute.

Accept my kindest regards.

Giulio Natta

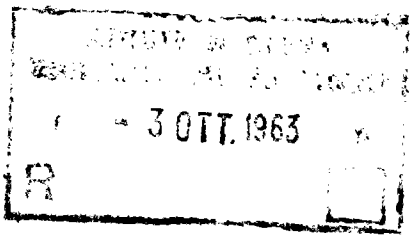
THE UNIVERSITY OF MANCHESTER

MANCHESTER, 13.

30th September 1963

FROM

PROFESSOR G. GEE, C.B.E., F.R.S.
SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.
TELEPHONE: ARDWICK 3333



Professor G. Natta,
Istituto Di Chimica Industriale del Poltecnico.
Piazza Leonardo Da Vinci, 32.
MILANO. Italy

Dear Professor Natta,

On my return to England, I am writing to thank you for all the kindness you showed to me during my visit last week. It was a great pleasure to visit your Institute for the first time, and my only regret was that there was so little time for me to look round and talk with your colleagues. I hope I may have the opportunity of repeating the visit in the not too distant future, and that time may not be then so pressing.

Please convey also my very sincere thanks to your wife for the endless trouble she took to make my stay enjoyable on the social side. I hope we shall have the pleasure of seeing you both in Manchester before long.

Yours sincerely,

Geoffrey Gee

BRADFORD INSTITUTE OF TECHNOLOGY
BRADFORD 7

DEPARTMENT OF CHEMICAL ENGINEERING

Acting Head of Department:
C. W. PAGE,
F.R.I.C., M.I.Chem.E. A.M.C.T.

Telephone:
BRADFORD 24181

Bologna, 17th October 1963

Dear Professor Natta,

I am writing to express my appreciation for the courteous reception and hospitality extended to my wife and I during our visit to the Institute yesterday. This proved both interesting and stimulating for us both. I feel particularly indebted to Professor Pegoraro for all the trouble he took to make our visit such a success and should be grateful if you will convey our thanks to him.

When either yourself or any of your staff are in England, I should be delighted to welcome you to Bradford if you are interested in seeing the work of one of our new Colleges of Advanced Technology at first hand.

With kind regards,

Yours sincerely,

Carl Hanson.

BRADFORD INSTITUTE OF TECHNOLOGY
BRADFORD 7

DEPARTMENT OF CHEMICAL ENGINEERING

Acting Head of Department:
C. W. PAGE,
F.R.I.C., M.I.Chem.E., A.M.C.T.

Telephone:
BRADFORD 28837

CH/MMD

25th September, 1963

889

Dear Professor Natta,

Many thanks for your letter of 16th September. I was delighted to hear that it would be possible for me to visit the Politecnico whilst in Milan and look forward to the pleasure of meeting either yourself or Professor Pasquon personally. I anticipate arriving in Milan on Tuesday, 15th October, and suggest the following day as a possibility for our meeting. If I have cause to change my plans en route I will either write or telephone you in advance.

Kind regards,

Yours sincerely,

C. Hanson

C. Hanson
Senior Lecturer

Professor G. Natta,
Istituto Di Chimica Industriale Del Politecnico,
Piazza Leonardo da Vinci 32,
Milan,
Italy.

September 18, 1963

Dr. C. Hansen
Bradford Institute of Technology
Bradford 7
Department of Chemical Engineeri

our ref. 847/eg

Dear Doctor Hansen,

Prof. De Marchi, Dean of the Faculty of Engineering of this Polytechnic, forwarded me your letter of Aug. 22, and asked me to answer you directly.

I will be glad to meet you during your stay in Milan to discuss the problems you are interested in. If, by chance unexpected engagements will compel me to be absent from Milan in that period, you can come and talk with my co-worker, prof. Italo Pasquon.

Please, confirm me the exact date of your arrival here.

With my kindest regards.

G. Natta

BRADFORD INSTITUTE OF TECHNOLOGY
BRADFORD 7

DEPARTMENT OF CHEMICAL ENGINEERING

Acting Head of Department
C. W. PAGE,
F.R.I.C., M.I.Chem.E., A.M.C.T.

Telephone
BRADFORD 24181

Nov.2, 1962

Prof.R.N.Haszeldine,
The Manchester College of
Science and Technology,
University of
Manchester

Dept.of Chemistry

(copia a Sianesi)

our ref.664/lv

Dear Professor Haszeldine:

I apologise for the delay in answering your letter of Aug.28, 1962.

I wish to inform you that the research on the polymerization of hexafluoropropylene were performed in this Institute by chemists belonging to Montecatini. These research works will be the object of future publications. As soon as the paper is published, Dr.Sianesi will send you a reprint of it.

With my best regards.

Giulio Natta

THE MANCHESTER COLLEGE OF SCIENCE AND TECHNOLOGY

(Faculty of Technology in the University of Manchester.)

MANCHESTER 1 : TELEPHONE CENTRAL 3266

PROFESSOR R. N. HASZELDINE, M.A., D.Sc., SC.D., F.R.I.C. *Department of Chemistry*

28th August, 1962.

3 SET 1962
R 664

Professor G.Natta,
Instituto di Chimica,
Industriale del Politecnico di Milano,
P.le Leonardo da Vinci 32,
Milan,
Italy.

Dear Professor Natta,

Although I have never had the opportunity of meeting you, I have followed your most interesting publications with a great deal of pleasure. At a recent Symposium on Fluorine Chemistry in Colorado, U.S.A., at which I was present, the Du Pont Company presented a paper on a polymer derived from hexafluoropropylene. This polymer was stated to be amorphous and without much importance. Immediately after the lecture one of your fellow-countrymen, whose name I did not catch, announced that you had prepared a polymer from hexafluoropropylene which was stereospecific and crystalline. Further details were not given, and I was unable to meet the speaker after the lecture.

(Sauer ?)

Later this year I am giving a lecture to the Plastics Society in London on Fluoro-polymers, and I would like to include in my lecture some comments about poly(hexafluoropropylene). May I ask, therefore, whether you would be good enough to confirm that you and your co-workers have successfully prepared a polymer from hexafluoropropylene, and also whether you can let me have any further information e.g., about its crystallinity, melting point, and any properties you care to release at the present time. I naturally do not wish to report that poly(hexafluoro-propylene) is of no value as a polymer if, in fact, your own

/continued overleaf.

work shows that it is, when prepared by a different procedure from that used by Du Pont. Any information which you can help me with I would, of course, acknowledge fully at the lecture.

It would be a great pleasure to welcome you to this department in Manchester during one of your visits to this country, and if it ever seems possible for you to spare the time I certainly hope that you would let us know, so that we could offer you a most cordial welcome.

With kind regards,

Yours sincerely,

R.N. Haszeldine

7.9.1962

Egr.Prof.D.Sianesi,
IRI - Linate
Soc.Montecatini

cc : Dr.R.Pirani,
BREV

Caro Sianesi,

Le invio copia di una lettera che ho ricevuto dal Prof.Heszeldine, del Manchester College of Science and Technology.

La pregherei di comunicarmi, dopo aver sentito il parere del Dr.Piani, le notizie sul polifluoro propilene che Lei ed il Dr.Pirani pensano si possano comunicare senza pericolo, tenuto conto della situazione brevettuale.

Cordiali saluti

G.Natta

All/

July 15, 1963

Dr. Ellis Horwood, Managing Directo
D. Van Nostrand Company, Ltd.
358 Kensington High Street,
London W 14 (Inghilterra)

your ref. EH/ACE
our ref. 718/lv

Dear Doctor Horwood,

Thank you for your letter of July 3. I regret informing you that my Institute will be closed for Summer holidays in August and both I and my co-workers will be on holidays. Personally I shall be at Champoluc (Aosta Valley). If you can take a trip by car to Champoluc, to get acquainted with the Aosta Valley, I will be very glad to meet you. My address is: Villa Beati, Champoluc, (Aosta).

However, I wish to inform you that the overwhelming duties my co-workers and I are engaged with, do not allow us to assume new editorial engagements. We might be able to consider this matter again next year.

With my kindest regards,

Giulio Natta

22/7 - inviate copie a richiesta di Cattolica -

Telephone: WEStern 0223 Cable Address: DENOSTRAND, LONDON, W14

D. Van Nostrand Company, Ltd.

358 KENSINGTON HIGH STREET LONDON W14

PUBLISHERS SINCE 1848

Your Ref. *Our Ref.* EH/ACE 3rd July, 1963

Professor Giulio Natta,
Faculty of Engineering,
Politecnico di Milano,
Piazza Leonardo da Vinci 32,
Milano, Itly.

718
- 5 LUG 1963

Dear Professor Natta,

I shall be in Milan on Wednesday, 7th August and would very much like to call on you for an editorial discussion. We have been advised that there might be someone in your department who really knows about inorganic complexes as catalysts of stereospecific polymerisation, and if this is so we might discuss the possibility of the writing of a book with those concerned. I should therefore be glad to have the opportunity of meeting you or your colleagues. Perhaps you would be good enough to let me know whether you can see me on the above mentioned date, and if so at what time.

Yours sincerely,

Ellis Horwood,
Managing Director.

DIRECTORS: Ellis Horwood (British) Managing E. M. Crane (American) Chairman E. M. Crane Jr. (American)
G. H. Gander (American) W. W. Heath (British)

Telephone: WEStern 0223 Cable Address: DENOSTRAND, LONDON, W14

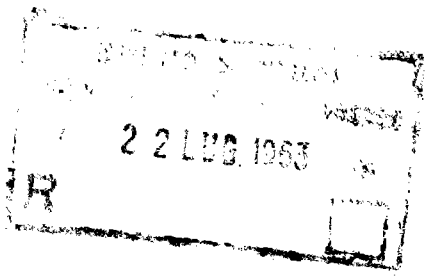
D. Van Nostrand Company, Ltd.

358 KENSINGTON HIGH STREET LONDON W14

PUBLISHERS SINCE 1848

Your Ref. *Our Ref.* EH/ACE 18th July, 1963

Professor G. Natta,
Faculty of Engineering,
Politecnico di Milano,
Piazza Leonardo da Vinci 32,
Milano, Italy.



Dear Professor Natta,

Following Mr. Horwood's letter of 3rd July I am just writing to remind you that Mr. Horwood will be in Milan on Wednesday, 7th August, and would very much like to call on you. If you are available on this date Mr. Horwood would be most grateful if you would write to his hotel in Cattolica, where he will be staying from 27th July until 3rd August. The address and telephone number is, Hotel Fiorella, Piazza Darsena, Cattolica. 61322.

Yours sincerely,

Angela Curtis Evans.

Angela Curtis Evans (Mrs)
Secretary to Mr. Horwood,
Managing Director.

DIRECTORS: Ellis Horwood (British) Managing E. M. Crane (American) Chairman E. M. Crane Jr. (American)
G. H. Gander (American) W. W. Heath (British)

UNIVERSITY OF ABERDEEN

PROFESSOR OF CHEMISTRY
G. M. BURNETT, D.Sc.

DEPARTMENT OF CHEMISTRY
OLD ABERDEEN
TEL. No. 45251

May 11 1963.

Professor G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Milan.
Italy.

490

R

Dear Professor Natta,

I am at present writing the manuscript of a book entitled:-

"Polymers : Structure and Bulk Properties"

to be published by D. Van Nostrand Ltd. I should like to include among the diagrams in this book material taken from your original articles, as listed below. These diagrams would appear with full acknowledgment as to their sources.

I should be very grateful if you would indicate your approval by signing and returning the enclosed slip.

I am writing separately to the copyright owners to secure their permission for reproduction.

Yours sincerely,

Patrick Meares

(Dr.) Patrick Meares

M
17/5/63

Natta and Corradini, J. Polymer Sci., 39, 29 (1959).

Fig. 4i, 4ii, 4iii, 5 and 8

775

COLLEGE OF ADVANCED TECHNOLOGY

~~Gosta Green~~, Birmingham 4

TELEPHONE: ASTON CROSS 3611

Principal :
P. F. R. Venables
Ph.D., B.Sc., F.R.I.C.

Mallam Boulton Bldgs, Suffolk St

24 July 1963

Dear Professor Vella. Thank you for your letter of July 15th. I realize fully that your holidays will coincide with ours. In my earlier letter I may have muddled my dates. I should like to be in Milan ~~and~~ on ~~Friday~~ Thursday 5th September. I shall ring or see your secretary that morning.

Yours sincerely,

P. F. Ongley

July 15, 1963

Mr.P.A.Ongley,
College of Advanced Technology,
Matthew Boulton Bldgs,
Suffolk St.
Birmingham 1 (Inghilterra)

our ref.702/lv

Dear Mr.Ongley,

Thank you for your kind letter of June 27. This Institute will be practically closed in August for Summer holidays and it will be re-opened at the beginning of September.

As I have scheduled several journeys abroad in September, I do not know when I can be in Milan in that month. Therefore, please, inform my secretary about the exact date of your visit. If, by chance, I am absent, someone of my co-workers (e.g. Prof.Danusso, Prof.Pasquon and Prof.Ercoli) will be glad to meet you, show you our Institute and give you all the information you desire.

Sincerely yours,

G.Natta

COLLEGE OF ADVANCED TECHNOLOGY
~~Gosta Green~~, Birmingham 4
TELEPHONE: ASTON CROSS 3611
Matthew Boulton Bldgs, Suffolk St,

Principal :
P. F. R. Venables
Ph.D., B.Sc., F.R.I.C.

27th June 1963.

The Professor of Chemistry,
The Institute of Technology,
Milan

702

Dear Sir, I am a Senior lecturer in Organic Chemistry in the College of Advanced Technology in Birmingham who is interested in the systems of technological education in the various European countries. If I was in Milan at the end of August or early in September, would it be possible to visit your Institution, please? I realize that this would probably be your vacation time also. If, however, anyone did happen to be available, I should appreciate very much the opportunity to visit your institution.

Unfortunately, although my French is reasonable, my Italian is restricted to a poor reading knowledge.

Yours sincerely,
P. A. Ongley

March 25, 1963

Captain Robert Maxwell,
Publisher at Pergamon Press,
Headington Hill Hall,
Oxford (Inghilterra)

our ref.185/lv

cc :Sir Robert Robinson

Dear Captain Maxwell,

Thank you very much for your kind letter of March 8. After thinking your proposal over I decided to decline your kind invitation to become editor of the new international journal on macromolecular chemistry. These are the reasons why I have come to this conclusion: first of all, I am so overwhelmed with the research work at my Institute and with the work concerned with the industrial development of the procedures developed at my Institute that I have no spare time for other enterprises. Although the other co-editors might co-operate, I know that the responsibility to be editor is great and requires much time, if one wants to fulfil all inherent duties earnestly.

Moreover, due to my state of health, I have been compelled to reduce my work considerably: researches at my Institute are too interesting and fascinating to be given up: therefore, I have been compelled to reduce my hours of teaching, my work as consultant and my participation in Congresses and Symposia.

A journal corresponding exactly to that wanted by you already exists in Germany: namely "Fortschritte der Hochpolymeren-Forschung/Advances in Polymer Science". The third volume of this journal should be issued within a short time. Its editors are famous American and German specialists. The time elapsing between the issueing of each volume suggests that it is not easy to succeed in creating a new journal publishing regularly first-rate papers.

I take this opportunity to inform you that I believe that the first book on Stereoregular Polymers and Stereospecific Polymerization, including the translation of all my papers, might be issued within next October, if also Pergamon does its best to accomplish its part of work with a sufficient speed.

With my kindest regards.

Giulio Natta

March 22, 1963

Sir Rober Robinson,
170 Piccadilly,
London W.Q.

Dear Robert,

I address this letter to you because I do not know whether Stearn has come back to London yet.

The kind proposal brought to me by Stearn was gratefully received; however, after thinking it over, I have come to the conclusion that I have not time enough to devote myself to this matter earnestly.

I herewith enclose a copy of the letter I have sent to Captain Maxwell of Pergamon, to-day.

Rosita joins me in sending you and Stearn kindest regards.

Giulio Natta

Encl/

PERGAMON PRESS LIMITED

Headington Hill Hall,
Oxford.

Telegraphic Address: PERGAPRESS, OXFORD.
Telephone: OXFORD 64881.

MANAGING DIRECTOR'S ROOM

IRM/AT

8th March, 1963.

Professor G. Natta,
Instituto de Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

185

Dear Professor Natta,

Re: Macromolecules - An International Journal

I am writing to thank you very much for giving of your time to Lady Robinson to discuss this important project of launching an international journal under some such title as above. I am sure it will be as great a success in its field as Tetrahedron has proved in the field of ~~in~~organic chemistry.

I shall be grateful to have your comments and amendments to the draft Aims and Scope of the journal, which Lady Robinson has no doubt left with you; also your definite list of individuals who should be invited by you or me to comment on the Aims and Scope and to serve on the editorial board of the new journal.

I should welcome any other comments you care to let me have, and I hope that you continue to be as enthusiastic as we are about this interesting international project.

Kindest regards to Mrs. Natta, and best wishes.

I am,

Yours sincerely,

pp. Robert Maxwell
Publisher

(Dictated by Mr. Maxwell but signed in his absence)

DIRECTORS

Capt. I. R. MAXWELL, M.C. (CHAIRMAN & MANAGING) · C. T. CLARK · E. J. BUCKLEY

February 27, 1963

Captain Robert Maxwell, M.C.
Publisher at Pergamon Press
Headington Hill Hall,
Oxford (Inghilterra)

our ref. 151/eg

Sir. Robert Robinson

Dear Captain Maxwell,

Thank you very much for your kind cable and wishes for my 60th birthday which I appreciate very much.

As you know, Lady Stearn has handed me, on her visit to Milan. your points of diesussion for a new review of progress in appropriate fields of the chemistry of polymers; I thank you for the invitation to assume the charge of Editor.

I wish, before taking any decision, to examine the possibility that such an initiative could bring to a real editorial success for Pergamon Press. I wish to point to you also, that another initiative of this kind has been taken in 1958 by Springer-Verlag with a publication entitled : "Fortschritte der Hochpolymeren-Forschung". This latter, even if edited in Germany, collected articles and monographies mostly in English only, and, though this initiative gathered many German and American Editors, well-renowned in the field of macromolecular chemistry and physic, such as : Ferry, Overberger, Schulz, Staverman and Stuart, such an initiative lasted a very short time. Only 9 volumes in fact, have been published, 4 within 1958-60 and 5 within 1960-61. Successively, publications have been stopped, I do not know why, though the published volumes gathered some appreciable articles. Recently, it came out also the book : "Progress in High Polymers" vol. I, Robb, Peaker Editors, Heywood & Co. Ltd., which also contains monographies of chemistry of polymers.

We must take into account also that other chemical reviews which have published and are publishing memories concerning macromolecular chemistry, e.g. Quaterly Review, of the English

continued...

Chemical Society where a work by Bunn on stereospecific polymerizations has been recently published*

Besides, as I mentioned to Lady Stearn, owing to my friendly relations with prof. Staudinger and prof.Kern who just recently have dedicated to me two volumes of Makromolekulare Chemie on the occasion of my 60th birthday, I wish to know prof. Staudinger's mind, before taking any decision.

I think that the character in which we want to keep the new initiative, according to your "points of discussion" is rather different from the character of Makromolekulare Chemie Review, which would not create any interference. On the other hand, the Springer-Verlag publication I mentioned before, had, as editors, among the others, prof. Schulz and prof. Stuart, who are co-editors of Makromolekulare Chemie and prof. Overberger who is Member of the Adviser Board of J.Polymer Sci.

As for the title, I think that to call it "Review" for instance: High Polymer Review, or Macromolecular Chemistry Review, will be sufficient to differentiate the new review from the most important periodicals on macromolecular field.

I am completely in accordance with you on the utility to approach to Sectional Editors as far as the fields where I am not well acknowledged are conerned, for instance: Natural Polymers (polysaccharates and proteins).

I shall think of the matter and I beg you in the mean time, to examine what I wrote in this letter.

Many kindest regards.

G.Natta

* Other examples are : Advances in Catalysis (Academic Press);
Advances in Chemical Physics (Interscience Press)

POINTS FOR DISCUSSION WITH PROFESSOR NATTA

Project for a Periodical containing reviews of progress in appropriate fields, to appear from time to time after adequate material is accumulated.

Title:	Progress in Chemistry of Polymers
(alternatives)	Progress in Polymer Chemistry
	Progress in Macromolecular Chemistry
	Macromolecular Reviews
	etc.

It would be well to include 'chemical' or 'chemistry' in the title in order to exclude 'applications' (v. infra). The broader titles 'Macromolecules' etc., would embrace analysis and synthesis of polypeptides and polysaccharides as well as the more industrial plastics such as the polyesters, polyamides, polyolefines and polydienes.

The broader field has advantages and also disadvantages. The chief advantage is that no single periodical in existence deals specifically with progress in these fields brought together under the heading 'macromolecular chemistry'. Many readers are interested in polymers or macromolecules as such and would like to be able to keep in touch with what is going on in all fields. The disadvantage might be thought to be the necessity to appoint a number of distinguished sectional editors. If the wider aspect is favoured, Pergamon would still like Professor Natta to consent to act as Editor in Chief and would be willing to assist in the approach to selected Sectional Editors.

For example, Professor M. Stacey comes to mind in relation to the carbohydrates field (including nucleic acid) and others for consideration in this country are Sir Harry Melville, Professor E. L. Hirst, Professor C. E. H. Bawn, Professor F. S. Dainton, Dr. R. L. M. Synge.

There are many potential Sectional Editors in U.S.A., Canada and European countries and names could be discussed, now or later.

The scope in all sections would be synthesis, including that of new monomers; analysis, particularly relating to structure of natural products and all stereo-problems in polymers, and properties, especially when related to structure.

It is felt that applications need not be wholly excluded in cases involving high degree of novelty or relation to structure (for example polymers as catalysts or reagents, ion-exchange resins etc.). On the

other hand the type of rather trivial applications that fill the technical plastics journals would swamp the scientific matter and should be kept out.

No more work would be involved in the wider field because of the delegation to various Sectional Editors. It might actually be easier to manage.

Language. In the first instance English is suggested because it is the nearest approach to a universal language and also the American distribution is likely to be extremely important. Translations of selected items could be considered later.

Pergamon already publicise Russian papers and the integration of these in Review form would be worth consideration.

Although favouring the wider project, Pergamon would be prepared to consider a more restricted scheme and would like Professor Natta to define the limits if that is what he would prefer.

April 8, 1963

Mr. D.L.SAMUEL
Pergamon Press Ltd.
4 Fitzroy Square
London W.1

our ref. 223/eg

Polymer Science USSR

With regard to your letter of March 19, 1963, I wish to inform you that I have considered your question concerning the unabridged publication of all the Russian papers.

My opinion is that many difficulties still exist nowadays for the knowledge of the most important Russian literature on polymers, above all due to the language. However a selection should be suitable, considering that the Russian production is fairly rich and will increase ever more in the future, but it is difficult to do.

If particular difficulties do not arise to support the enterprise you propose, I think it is extremely useful for us to have the greatest possible number of Russian papers in English available.

Sincerely yours,

G. Natta

PERGAMON PRESS LIMITED

Pergamon House,
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London, W.1.

Telegraphic Address: PERGAPRESS
Telephone: EUSTON 4455

DLS/ALS

19 March 1963

Professor G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci, 32,
MILANO,
Italy

22 MAR 1963
NR 223

Dear Professor Natta,

Polymer Science U.S.S.R.

It is now some time since we wrote to you concerning the above journal and since then I have taken over the supervision of this journal from Mr. J.G. Mordue.

We are now approaching completion of Vol. 3 and it will be interesting to have your views on whether the quality and usefulness of this journal have been maintained. As you know, the journal has so far been composed of selected translations from the corresponding Russian journal. Because of the high quality of the papers there have been many demands for translation of papers not included in our selected list. The Publisher, Mr. Robert Maxwell, has therefore decided that commencing with the first issue of the Russian journal in 1963 there shall be a cover-to-cover translation of the Russian journal instead of the previous selected programme. I think this will be generally welcomed by most readers.

I look forward to hearing from you and shall appreciate any comments you like to make for the guidance of ourselves and of the Translation Editor, Professor Burnett.

Yours sincerely,

D.L. Samuel

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THE
Industrial Chemist

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IC/TT/UPO

16th September, 1963.

Professor Giulio Natta,
Faculty of Engineering,
Politecnico di Milano,
Piazza Leonardo da Vinci 32,
Milan,
ITALY.

Dear Sir,

I am writing to ask your co-operation. Any of your students who are engaged in the study of chemistry will almost certainly find our publication, INDUSTRIAL CHEMIST, of considerable help as a means of keeping abreast of world trends and important advances in chemical technology.

Would you please be good enough to arrange for the noticeboard bulletin to be displayed in an advantageous position so that as many interested students as possible may have an opportunity to return a postcard requesting a free sample copy of INDUSTRIAL CHEMIST.

We also enclose a further supply of cards for refilling the dispenser. Should you require further cards, we shall be very happy to send them upon hearing of your wishes in this matter.

Yours faithfully,

J. Hoy Robertson
Editor.

From Sir Robert Robinson.
Tel. Mayfair 6618.

170, Piccadilly.
London, W.1.

26 GIU. 1963
R 682

24th June 1963.

Dear Giulio,

It was very kind of you to send a copy of the volume of Makromolekulare Chemie to Mr. Holliday. I shall be seeing him early next week in Manchester and will inform him of the circumstances, unless the mode of transmission has already made them obvious. I am quite sure he will be very pleased to receive this valuable collection of papers.

Warmest congratulations on the Honorary Doctorate from the University of Mainz but I was very sorry to hear that this had produced physical discomfort.

I note that you may be in Paris from about July 6th to 8th but I am afraid that Stearn will use the earlier part of the week for her visit, that is to say the 1st, 2nd and 3rd of the month, during which time I shall be in Manchester. It is a pity that these visits will not coincide.†

Stearn and I send Rosita and yourself our warmest regards and we are looking forward to our next meeting.

always yours
Robert

† Still Paris is a big city & your activities would normally not lead you to such places as the 'shoe' shops etc.!

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

June 19, 1963

Sir Robert Robinson
170, Piocadilly
London W.1.

our ref. 637/eg

Dear Robert,

Thank you for your kind letter of June 11, and according to your desire, to-day I send one copy of the volume of Makormolekulare Chemie directly to Mr. Holliday at Ummston.

24/6/63

I have just come back from Germany, where I received a honoris causa doctorate at the University of Mainz. Since this journey has resulted rather tiring for me, I have given up the idea to attend the Symposium on Macromolecular Chemistry in Paris.

Nevertheless I have a mind to go to Paris on July 6 to be visited by Prof. Talairac, a neurosurgeon, to decide whether another operation might be convenient.

I suppose I will be in Paris until July 8 to participate in a Round Table on grafted polymers.

Rosita joins me in sending you and Stearn kindest regards.

G.Natta

From Sir Robert Robinson.
Tel. Mayfair 6618.

14 GIU. 1963
637

170, Piccadilly,
London, W.1.

Professor G. Natta,
Institute of Industrial Chemistry,
The Polytechnic,
Piazza Leonardo da Vinci,
32 Milano.

11th June, 1963

Dear Giulio,

Many thanks indeed for your letter of May 29th and the first point is that I am very sorry that I am unable to attend the Symposium on Macromolecular Chemistry in Paris. It is just possible that Stearn may make a visit and if she does I hope it will coincide with your own.

The volume of Die Makromolekulare Chemie dedicated to you on the occasion of your 60th birthday is one of my prized possessions and if it is not too much to ask I would certainly like one more copy designated for the Plastics Laboratory at Carrington. If instead of sending this to me you were to send it direct to Mr. L. Holliday, Shell Chemical Co.Ltd., Carrington Plastics Laboratory, Urmston, Near Manchester, it would be a very much appreciated gesture; it is a remarkable collection of papers.

I may say that I recently had a short talk with Professor Pino who explained to me the true basis of the stereo chemistry of syntectic polypropylene from the point of view of its essential ~~resilient~~ racemic character. This I had never appreciated so well previously.

Coming back to your first paragraph I am glad you have joined the Maison de la Chimie as a member of the Board of Directors, but I regret that my functions as a Vice-President have been very much neglected, probably due to my inadequacy with the French language. I am sure you will be very much more active.

With kind regards to both yourself and Rosita from Stearn and myself.

Yours sincerely,
Robert

May 29, 1963

Sir Robert Robinson,
170 Piccadilly,
London, W.1. (Inghilterra)

our ref.558/lv

Dear Robert,

Prof.Champetier has proposed me to join the Maison de la Chimie, as a member of the Board of Directors. I accept it with pleasure, since I know that you are Vice President.

I do hope to be able to go to Paris with Rosita for the Symposium on Macromolecular Chemistry, and I hope to meet you and Stearn there.

Under separate cover, I send you a copy of the volume of Die Makromolekulare Chemie, comprising all the articles that the Editors have dedicated to me on the occasion of my 60th birthday.

With my kindest regards,

Giulio Natta

P.S. If you like one or two more copies of Makromolekulare Chemie, please, let me know.

England.

From Sir Robert Robinson.
Tel. Mayfair 6618.

170, Piccadilly,
London, W.1.

9 MAG 1963
R 457

7th May 1963.

Dear Giulio,

Many thanks for your letter of April 29th, making the valuable suggestion that Professor Paul Flory of Stanford University might be willing to act as Editor-in-Chief of the Reviews of Progress in Macromolecular Chemistry. I will pass this on to Robert Maxwell, but I think that in the meantime an approach has been made to Professor Stacey of Birmingham and I do not know how far this has gone. In any case I am sure that your offer of co-operation on your own behalf and on that of Professor Pino and Professor Danusso would still hold and I hope that the initiative taken by Pergamon will be generally approved in the sequel.

I will let you know when any definite arrangements are made, either in the direction of Professor Stacey or of Professor Flory.

With all good wishes,

Yours ever,
Robert.

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

Sugth

April 29, 1963

Sir Robert Robinson,
170 Piccadilly,
London W.1. (Inghilterra)

our ref.288/lv

Dear Robert,

Thank you for your letter of April 1, 1963. You ask me about a person who can possibly become Editor-in-Chief of the new journal on the progress of macromolecular chemistry. I would suggest Prof. Paul FLORY of Stanford University, who is an outstanding personality in the field of physical chemistry of macromolecules.

If Prof. Flory accepts this commitment, he might be helped, as far as natural polymers are concerned, by people of his choice, for instance by Prof. Doty of the Harward University, for the biological part.
Prof. Pino, Prof. Danusso and myself will be glad to be at his disposal for anything that might be of help for him.

With my kindest regards,

Giulio Natta

From Sir Robert Robinson.
Tel. Mayfair 6618.

170, Piccadilly,
London, W.1.

4 APR 1963
R 288

1st April 1963.

Dear Giulio,

I was extremely sorry to hear that you do not feel it is possible for you to undertake the Editorship of a review Journal on Macromolecular Chemistry. I quite appreciate your reasons for this and am in full and enthusiastic accord with your determination to do nothing that could in any way be in competition with your researches at the Institute. Undoubtedly that is the first priority and I am extremely sorry nevertheless that you had to abandon participation in this scheme which, as a matter of fact, we do feel to be timely and even, in all probability, successful from the publishers' point of view. The existence of the Fortschritte der Hochpolymeren-Forschung in Germany need not affect this enterprise if one may go by many other analogies, for example that in the field of natural products. Moreover, I do not think that the German publication covers quite the same ground as was proposed for the continuing series reviews in Macromolecular Chemistry.

Whether our project can survive the serious blow of your loss as Editor I do not know and that will be a matter for Mr. Maxwell to decide. May I, however, ask your views as to a possible Editor? Are there any of your immediate colleagues who would be able and willing to undertake such work? I ought to say that I have not consulted Mr. Maxwell before writing, but a discussion of the project with him would be more likely to be useful if I were able to suggest the name of an Editor.

As a matter of fact, I am not surprised at your decision because how you are able to accomplish the work that you do has always been a mystery and at the same time a matter for admiration for me.

With all good wishes for the future,

Yours sincerely,

Robert

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

Duplicate.

February 27. 1963

Sir Robert Robinson
170, Piccadilly
London, W.1. (Inghilterra)

ns.rif. 150/g

Dear Sir Robert,

I thank you very much for your kind letter and for your participation to our recent grief caused by the death of our dear friend and colleague prof. Nasini.

The sudden death of prof. Nasini has striken Rosita and I very much because we were very close friends and we had just seen him a few days beforewords, without getting aware of the coming illness which struck him.

Thank you also for your cable and wishes for my birthday which I extremely appreciate.

We are really delighted to have met Stearn in Milan and I beg ypu tp thank her on my behalf for the "points of discussion" she brought me from Captain Maxwell. I wish to thank you too for having suggested such a proposal. I must say I am rather doubtful on whether to accept such a charge having no much time at my disposal which will oblige me to count on the help of an assistent of mine or a secretary who should be anchatged to see about the matter in detail. Besides, I am not sure that such an initiative could bring to a real editorial success for Pergamon Press, owing to the reasons I mentioned in the letter addressed to Captain Maxwell of which I enclose a copy. In any case, I shall see the matter over and I shall write you again on thisppurpose.

Thanking you again, I send you and Stearn many kindest regards.

G.Natta

-ncl/

From Sir Robert Robinson.
Tel. Mayfair 6618.

170, Piccadilly,
London, W.1.

10/II/63

Dear Giulio,
I was grieved to hear [illegible]
[illegible]
[illegible]
[

LADY ROBINSON
Grimms Hill Lodge, Great Missenden, Bucks, England

Dec.7,1962

Dear Rosita:

We are going a cruise to the Greek Islands for Xmas, sailing from Venice on Dec. 22nd. I have persuaded Robert to fly to Milan on the 20th and take the train to Venice on the 21st. I hasten to write you (it was only decided last night) in the hopes that you will be in Milan on the 20th. so that we might at least meet for a few hours. Our flight arrives there around mid-day but I don't yet know what hotel we will have so I will call you after we arrive.

If you would like anything special from London please let me know by return post and I will gladly bring it. I know your little grandaughter uses some kind of underwear from here and if you need some do let me know what and where to buy it.

Hope all is well there - I have been around the world and back twice to New York since I last saw you, with me things seem to be moving in all directions at once!

Our warm regards to Giulio and I look forward to seeing you in Milan, if possible.

Love,

MRS ROBINSON
GRIMMS HILL LODGE
GREAT MISSENDEN BUCKS

DELIGHTED WELCOME YOU FEBRUARY 22 REGARDS

NATTA

dettato ore 15 del 13.2.1963

January 22, 1963

Sir Robert Robinson
170, Piccadilly
London, W.1 (Inghilterra)

ur ref. 49/eg

Dear Sir Robert,

Thank you very much indeed for your kind letter of January 15, and for the information you give. I wish to inform you that many professors of the Rome University, asked from Stockholm, have proposed my name, as well as at least one professor of the Berkely University (California), and Prof. Semenov of the Academy of Sciences in Moscow. I think that also Prof. Staudinger, who already proposed me in the past, has repeated his proposal this year. Thank you very much for the friendly interest you took in this matter: I fully understand the great difficulties that can arise, but I feel already greatly honoured at having been proposed by a person like you, who I consider one of the most outstanding exponent of the world chemistry.

Herewith enclosed I send you the complete text of the paper : "Optically Active Compounds": An Exception to the Usual Definition of Asymmetric Carbon Atom" by G. Natta and M. Farina which, possibly, should be published in Tetrahedron Letters.

Rosita joins me in sending you and Stearn kindest regards.

Sincerely yours

G. Natta

From Sir Robert Robinson.
Tel. Mayfair 6618.

170, Piccadilly,
London, W.1.

RECEIVED
49

15th January 1963.

Dear Giulio,

I think, as we say, the boot is certainly on the other leg. It was very nice to hear from you that you were pleased to see us in Milan but our view of the matter is that we very much enjoyed the visit and all you did for us during our time in Milan.

There are several matters which I want to clear up. In the first place I am most obliged for the reprints: I shall send them on to Stockholm within a very short time, to accompany a nomination paper. I have very little doubt that you will also be nominated by one or more colleagues in your own country. I believe that the prognosis is good but, of course, one can never be sure of these things.

I have read carefully your paper on 'Optically Active Compounds: An Exception to the Usual Definition of Asymmetric Carbon Atom' and I feel that this would be very suitable, on account of its size and content, for a contribution to Tetrahedron Letters. Is the paper in the form in which you wish to submit it? So far as I can see it is a very satisfactory Preliminary Note and all that we need to complete it is the names of the authors. Finally, do you wish me to send this paper on to the Editor of Tetrahedron or Tetrahedron Letters? I would be very pleased to do this and then the only thing that is needed is the aforesaid statement of authorship. Perhaps you have different ideas and simply gave me this manuscript for information.

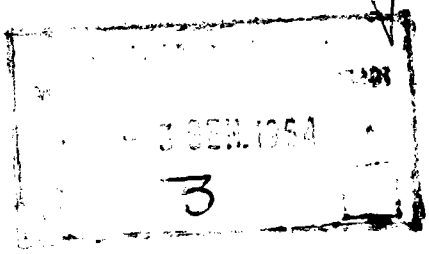
Stearn asked me to say how much she had enjoyed the visit to your home and we both send our very best of good wishes for the New Year.

Sincerely yours,
Robert

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

From Sir Robert Robinson.
Tel. Mayfair 6618.

170, Piccadilly,
London, W.1.



30th December 1963.

Dear Giulio,

I hope that you have now recovered from the excitements and have again taken up the thread of normal life. Both Stearn and I send our very best wishes for 1964 to you and Rosita. We frequently speak of the eventful week in Stockholm and it will always be one of our cherished memories.

I have read the manuscript of your lecture in the English version with very great interest and admiration. It is a wonderful story and I shall not be alone in welcoming the clear account which you have put together. It gives a conspectus of the research which would be difficult to obtain by independent study of the literature. The changes and comments I have made are, of course, only for your further consideration. Some of them are the result of a desire to avoid repetition of words and for no other reason. I hope the manuscript is not too illegible but if your Secretary finds this to be the case, we would be pleased to help by rewriting the worst parts.

At the moment we are having very mild weather and I have managed to do some overdue gardening. This will not last long, if the long-range forecasters have come anywhere near the truth. However, it is welcome, whatever is in store.

With many thanks for your kind letter and with warmest regards from Stearn and myself to you and Rosita,

Yours ever,
Robert

Via aerea

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

Jan.10, 1963

Sir Robert Robinson,
170 Piccadilly
London W.1 (Inghilterra)

Dear Sir Robert,

It was a real pleasure for us to meet you and Lady Stearn in Milan. I wish to thank you very much for your interest concerning our works, and for the kind proposal you made.

According to your desire, I sent you, under separate cover, one copy of the reprints of our publications in English, French, and German. Considering that some recent works have not been published in foreign journals, I also send you the corresponding reprints in Italian.

Rosita joins me in sending you and Lady Stearn kindest regards and best wishes.

Giulio Natta

Impl

Rubber and Plastics Research Association
of Great Britain

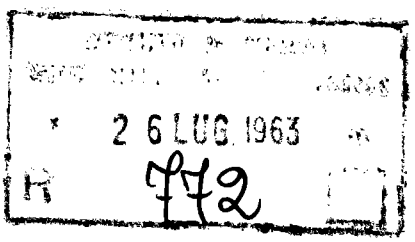
Shawbury **Shrewsbury** **Shropshire**

Director of Research W.F. Watson Ph.D.D.Sc. F.I.R.I.
Secretary Lt Col S.G. Loe E.R.D. F.C.I.S.

Telephone Shawbury 383
Telegrams TX 3534 Telex 3534

Our Ref JRS/SMH/147 Your Ref Date 14th July, 1963

26 LUG 1963
R 772



Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci, 32,
MILANO,
ITALY.

Dear Professor Natta,

Further to our letter of May 13th in reply to yours of the 3rd, we have now prepared a draft translation of the article by yourself and Dall'asta and Mazzanti, and enclose a copy herewith; we shall be pleased to have your comments or suggestions for improving this translation.

Whilst writing, may we refer to our letter of May 21st enclosing the draft translation of another of your papers; I wonder if you have yet been able to look through this?

Yours sincerely,

J.R. Scott

J.R. Scott.

inviato testo Prof Natta 30-7-63

a Dall'Asta Mazzanti per revisione 5/9/63

Enclosure

Rubber and Plastics Research Association
of Great Britain

Shawbury **Shrewsbury** **Shropshire**

Director of Research W.F.Watson Ph.D.D.Sc. F.I.R.I.
Secretary Lt Col S.G.Loe E.R.D. F.C.I.S.

Telephone Shawbury 383
Telegrams TX 3534 Telex 3534

Our Ref	Your Ref	Date
JRS/SMH/95		13th May 1963

15 MAG 1963
486

Professor G. Natta,
Istituto di Chimica Industriale
Del Politecnico,
Piazza Leonardo da Vinci, 32,
MILAN,
ITALY.

Dear Professor Natta,

Thank you very much for your letter of May 3rd giving us permission to translate your paper in Chimica e Industria, (1962), Vol. 44, N.11, p.1212. We will certainly let you see our draft translation before it is published.

Yours sincerely,

J.R. Scott.

Inglid

May 3, 1963

Mr.J.R.Scott,
Rubber & Plastics Research Ass.
of Great Britain,
Shawbury, Shrewsbury, Shropshire
(Inghilterra)

our ref.400/lv

Dear Mr.Scott,

Thank you for your letter of April 23.
I am glad to grant you permission to publish the English translation of our paper "Copolimeri alternati cristallini etilene-cicloeptene", which appeared in Chimica e Industria, (1962) Vol.44, N.11, p.1212.

However, we would mostly appreciate seeing the text of the English translation before its publication.

Sincerely yours,

G.Natta

Rubber and Plastics Research Association of Great Britain

Shawbury **Shrewsbury** **Shropshire**

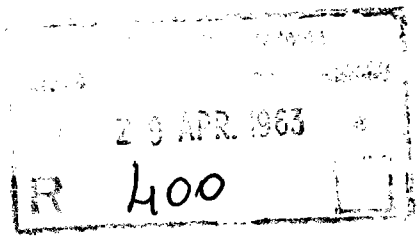
Director of Research W.F.Watson Ph.D.D.Sc. F.I.R.I.
Secretary Lt Col S.G.Loe E.R.D. F.C.I.S.

Telephone Shawbury 383
Telegrams TX 3534 Telex 3534

Our Ref JRS/SMH/158

Your Ref

Date 23rd April, 1963



Professor G. Natta,
Istituto Di Chimica Industriale
Del Politecnico
Piazza Leonardo Da Vinci, 32,
MILAN
ITALY.

Dear Professor Natta,

We are writing again to ask if you would be good enough to allow us to prepare and issue a translation of one of your papers, in this case the one by yourself, Dall'asta and Mazzanti in La Chimica E L'Industria, 1962, Vol, 44, No. 11, p. 1212. 574

We are writing also to the publishers of this journal to ask their permission.

Referring to our earlier letters of the 7th and 22nd March, we have not yet completed the translation of the article referred to, but we will be letting you have the draft of this as soon as it is ready.

Yours sincerely,

J.R. Scott.

J.R. Scott.

Inghilterra

Rubber and Plastics Research Association of Great Britain

Shawbury **Shrewsbury** **Shropshire**

Director of Research W.F.Watson Ph.D.D.Sc. F.I.R.I.
Secretary Lt Col S.G.Loe E.R.D. F.C.I.S.

Telephone Shawbury 383
Telegrams TX 3534 Telex 3534

Our Ref JRS/MJW/103

Your Ref

Date 27th November, 1963

Professor G. Natta,
Istituto di Chimica Industriale del
Politecnico,
Piazza Leonardo da Vinci, 32,
MILANO,
ITALY.

1027

Dear Professor Natta,

I am very sorry that owing to illness there has been a long delay in replying to your letter of October 7th, and thanking you for the corrected translation of your paper.

We should have explained that this is not to be printed and, therefore, we have no Galley Proofs; the translation is in fact only duplicated for use mainly by our Member firms. Unfortunately, we found it was not possible to reproduce the figures, but as in other similar cases we have indicated that Member firms who receive the translation can borrow the original paper from our library so as to study the figures. We are enclosing herewith a copy of the translated text, translation No. 1119.

Whilst writing may I remind you that I believe you still have the draft translation of the paper by yourself, Dall'Asta and Mazzanti in Chimica e Industria, (1962), Vol. 44, N.11, p.1212, which we sent you on July 14th. If you have been able to check through this, we would be glad if you could let us have the corrected copy.

Yours sincerely,

J. R. Scott

Enclosure

Oct.7, 1963

J.R.Scott, Esq.
Rubber and Plastics Research Ass
of Great Britain,
Shawbury, Shrewsbury, Shropshire

our ref.533/lv

Dear Mr.Scott,

I mostly apologize for the delay incurred in reading the draft translation you made of my paper published in Materie Plastiche ed Elastomeri, 1963, 29, N°1, 3-13.

I have made a few alterations and send it to you under separate cover.

I would mostly appreciate receiving the galley-proofs of this paper, especially with the pagination of the figures, as well as the corresponding typescript for correction.

With my kindest regards,

G.Natta

Rubber and Plastics Research Association
of Great Britain

Shawbury **Shrewsbury** **Shropshire**

Director of Research W.F.Watson Ph.D.D.Sc. F.I.R.I.
Secretary Lt Col S.G.Loe E.R.D. F.C.I.S.

Telephone Shawbury 383
Telegrams TX 3534 Telex 3534

Our Ref	Your Ref	Date
JRS/SMH/175	203/lv	21st May, 1963

24 MAG 1963
R 533

Professor G. Natta,
Istituto di Chimica Industriale del
Politecnico,
Piazza Leonardo da Vinci, 32.
MILANO,
ITALY.

Dear Professor Natta,

Referring to your letter of March 14th, we now send you the draft translation of your article in "Materie Plastiche ed Elastomeri". We look forward to hearing your comments or suggested alterations in this text.

Yours sincerely,

J.R. Scott.

J.R. Scott.

Enclosure

Rubber and Plastics Research Association of Great Britain

Shawbury Shrewsbury Shropshire

Director of Research W.F.Watson Ph.D.D.Sc. F.I.R.I.
Secretary Lt Col S.G.Loe E.R.D. F.C.I.S.

Telephone Shawbury 383
Telegrams TX 3534 Telex 3534

Our Ref	Your Ref	Date
JRS/SMH/116		22nd March, 1963

239

Professor G. Natta,
Instituto Di Chimica Industriale
Del Politecnico
Piazza Leonardo Da Vinci, 32
MILAN
ITALY.

Dear Professor Natta,

Thank you for your letter of March 14th about your paper in "Materie Plastiche ed Elastomeri". We will certainly send you a copy of our translation so that you can make whatever alterations you feel desirable.

Yours sincerely,

J.R. Scott.

Rubber and Plastics Research Association of Great Britain

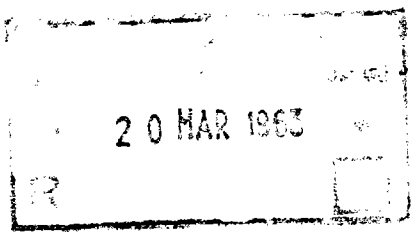
Shawbury Shrewsbury Shropshire

Director of Research W.F.Watson PhD.D.Sc. F.I.R.I.
Secretary Lt Col S.G.Loe E.R.D. F.C.I.S.

Telephone Shawbury 383
Telegrams TX 3534 Telex 3534

Our Ref	Your Ref	Date
JRS/MJW/81	184/1v	14th March, 1963

Prof. G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci, 32,
MILANO,
Italy.



Dear Proffesor Natta,

Thank you very much for your letter of March 12th from which we are pleased to note that you agree to our making a translation of your paper in Materie Plastiche ed Elastomeri.

Yours sincerely,

J. R. Scott

March 14, 1963

J.R.Scott, Esq.,
Rubber & Plastics Research Ass.
of Great Britain,
Shawbury, Shrewsbury, Shropshire

our ref.203/lv

Dear Mr.Scott,

Further to my letter of March 12, 1963, I wish to inform you that my paper published in the 1st issue of "Materie Plastiche ed Elastomeri" was written as such because the journal had changed its title, which previously was "Materie Plastiche". Therefore, the aim of the article was to point out the analogies existing, in the field of macromolecular chemistry, between plastics and elastomers.

Considering the different type of readers, I think that the article should be slightly modified and completed for its publication in England.
Therefore, I should like to receive the English translation of my article before its publication in order to make the necessary changes and corrections.

With kind regards.

Giulio Natta

March 12, 1963

J.R.Scott, Esq.
Rubber and Plastics Research Assoc.
of Great Britain,
Shawbury, Shrewsbury, Shropshire

our ref.184/lv
your ref.JRS/MJW/40

Dear Mr.Scott,

With regard to your letter of March 7, 1963, I am glad to grant you permission to prepare and issue an English translation of my paper in Materie Plastiche ed Elastomeri, 1963, 29, 3-13.

Sincerely yours,

Giulio Natta

Rubber and Plastics Research Association of Great Britain

Shawbury **Shrewsbury** **Shropshire**

Director of Research W.F.Watson Ph.D.D.Sc. F.I.R.I.
Secretary Lt Col S.G.Loe E.R.D. F.C.I.S.

Telephone Shawbury 383
Telegrams TX 3534 Telex 3534

Our Ref	Your Ref	Date
JRS/MJW/40		7th March, 1963

11 MAR 1963
R 184

Prof. G. Natta,
Istituto Di Chimica Industriale Del Politecnico,
MILAN,
Italy.

Dear Sir,

We wish to prepare and issue an English translation of your paper in 'Materie Plastiche ed Elastomeri', 1963, Vol. 29, No. 1, pp. 3-13., and we would be pleased to have your permission to do this. We are writing also to the publisher of this journal to ask their permission.

Yours faithfully,

J. R. Scott

May 16, 1963

Dr.S.Spolnicki,
Dept.of Chemical Engineering,
Birmingham 15 (Inghilterra)
The University of Birmingham

our ref.188/lv

Dear Doctor Spolnicki:

With regard to your letter of March 7, asking us for some papers of ours concerning zinc oxide, I send you, under separate cover, some reprints on this topic.

Some of the oldest papers are out of print: thus I give you the bibliographical references, hoping you will be able to find them.

Please, excuse my delay and accept my best regards,

Giulio Natta

inviati A/ 133 - 134 135 - 148 - 168 - 169 - 171 - 188 - 405

Encl.

Papers out of print :

G.Natta, M.Strada - La sintesi dal gas d'acqua di alcoli superiori al metilico - Giornale Chimica Ind. e Appl., 12, 169 (1930) (#39)

G.Natta, R.Casazza - Relazioni tra attività di catalizzatori proposti per la sintesi dell'alcool metilico e la loro struttura chimica e cristallina. Nota II. - ibid. 13, 1, 1931) (#60)

G.Natta, M.Strada - La sintesi degli alcoli alifatici da miscele di ossido di carbonio e idrogeno, ibid., 13 (1931) (#61

G.Natta, R.Rigamonti - Ricerche sulla sintesi degli alcoli alifatici per riduzione catalitica dell'ossido di carbonio. Separazione e identificazione degli alcoli prodotti per sintesi.- Ibid., 14, 217 (1932) (#67)

- • - • - • - • - • - • -

THE UNIVERSITY OF BIRMINGHAM

DIRECTOR OF THE DEPARTMENT:
PROFESSOR J. T. DAVIES

PROFESSOR S. R. M. ELLIS

TELEPHONE:
SELLY OAK 1301



DEPARTMENT OF CHEMICAL ENGINEERING.
BIRMINGHAM. 15.

11 MAR 1963
188

7th March, 1963.

Prof. G. Natta,
Institute of Industrial Chemistry,
Polythechnic of Milan,
Milan,
Italy.

Dear Prof. Natta,

I have read your excellent article in Emmett's "Catalysis" Vol. 5. I gather that you have done an extensive study of the catalytical properties of pure and promoted zinc oxide. Most of the periodicals in which your papers have appeared are not stocked in our library and I would be most grateful if you could send me any available reprints concerned with zinc oxide.

Yours faithfully,

J. Spolnicki.

5.12.1963

Professor Michael SZWARC
The University of Liverppol
Dept.of Inorganic, Physical and
Industrial Chemistry
The Donnan Laboratories
Vine Street
LIVERPOOL 7 - Inghilterra

Dear Professor Szwarc,

thank you very much for kindly sending me the reprint of your interesting paper.

I hope that an opportunity will arise in the future to meet you. Please accept my best season's greeting and kindes kindest regards.

Sincerely yours,

Giulio Natta

THE UNIVERSITY OF LIVERPOOL

TELEPHONE: ROYAL 6022
Extension 356

DEPARTMENT OF
INORGANIC, PHYSICAL AND INDUSTRIAL CHEMISTRY
THE DONNAN LABORATORIES
VINE STREET, LIVERPOOL, 7

20th November, 1963.

Professor Giulio Natta,
Department of Chemistry,
Polytechnic Institute of Milan,
Milan.

Dear Professor Natta,

Thank you very much for your kind letter. I am enclosing herewith a reprint which might interest you.

Looking forward to seeing you, and with best regards,

Yours sincerely,

Michael Szwarc.

TEXACO U.K. LIMITED
(SUBSIDIARY OF TEXACO INC.)

TELEPHONE
REGENT 6450

29/30 OLD BURLINGTON STREET
LONDON W 1

TELEGRAMS
TEXACOUK LONDON TELEX
TELEX 25192

August 7, 1963.

Professor G. Natta
Politecnico di Milano
Piazza Leonardo da Vinci 32
Milan.

Dear Professor Natta:

Please accept my sincere thanks for the kindnesses and courtesies you extended to Dr. W.E. Kuhn and me on our recent visit to Milan. Both of us are deeply appreciative of the time and effort you gave to make our discussion such an interesting one. We have long admired your work and the work of your Institute.

With kind personal regards,

Sincerely yours,

John W. Hutcheson

JOHN W. HUTCHESON
Director,
Commercial Chemical Development

JWH-DMB

655

June 14, 1963

The Natural Rubber Producers'
Research Association,
48-56 Tewin Road,
Welwyn Garden City, Herts.(Inghilterra

Dear Sirs,

With regard to Mr.Sekaran's letter dated June 5, 1963, I wish to inform you that he can certainly come to Milan and visit my Institute, even if I shall be away from Milan, on July 26. A co-worker of mine, Dr.Allegra, will be glad to meet Mr.Sekaran here and discuss topics of mutual interest with him.

Sincerely yours,

G.Natta

THE NATURAL RUBBER PRODUCERS' RESEARCH ASSOCIATION

(INCORPORATED IN ENGLAND)
REGISTERED OFFICE: 19 BUCKINGHAM STREET, ADELPHI, LONDON W.C.2
SECRETARY: P. O. WICKENS M.A.

DIRECTOR OF RESEARCH (ACTING): L. MULLINS, PH.D.

ALL LETTERS SHOULD BE ADDRESSED TO THE ASSOCIATION AND NOT TO INDIVIDUALS

48-56 TEWIN ROAD,
WELWYN GARDEN CITY,
HERTS.

TELEPHONE: WELWYN GARDEN 25474 (5 LINES)
TELEGRAMS: RUBRESERCH, WELWYN GARDEN.

OUR REF.: SN/LD

YOUR REF.:

5th June 1963

TECHNICAL SERVICE

This letter is sent on the understanding that its contents shall not be disclosed to a third party without the consent of the Director

Prof. Giulio Natta,
Instituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

7 GIU. 1963
R

Dear Sir,

I am a member of the staff of the Rubber Research Institute of Malaya and am engaged in the characterisation work on natural rubber. At present I am at the Natural Rubber Producers' Research Association in England for a short period of training.

I would be very grateful if it is possible for me to see and discuss some aspects of the work on polymer characterisation being done in your department on my way back to Malaya.

I expect to be in Milano on July 26th and I hope that the above date is convenient for you to see me. If this is not so, could you possibly suggest an alternative date within the week.

Allegra?

Yours sincerely,

Sekaran

N. Sekaran

Sentire se Allegra ci sarà — Se sì, scrivere che Prof Natta non ci sarà ma potrà parlare con coll. Ing Allegra —

SC

Engl.

TEXACO U.K. LIMITED

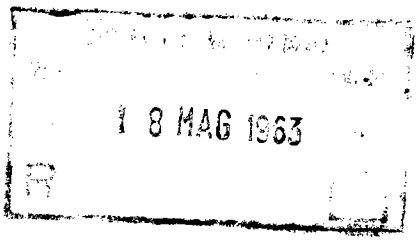
(SUBSIDIARY OF TEXACO INC.)

TELEPHONE
REGENT 6450

29/30 OLD BURLINGTON STREET
LONDON W 1

TELEGRAMS
TEXACOUK LONDON TELEX
TELEX 25192

May 16, 1963.



Professor G. Natta
Politecnico di Milano
Piazza Leonardo da Vinci 32
Milano.

Dear Professor Natta:

Thank you very much for your letters of May 7 and May 9 indicating that it will be possible for Dr. W.E. Kuhn and me to visit with you on July 2.

Following your more recent letter we will be at your office at 11 o'clock that morning.

We are looking forward to our visit with you.

With kind personal regards,

Sincerely yours,

John W. Hutcheson

JOHN W. HUTCHESON

JWH-DMB

May 9, 1963

Dr.John W.Hutcheson,
Texaco UK Ltd.,
29/30 Old Burlington Street,
London W.1.

our ref.433/lv

Dear Doctor Hutcheson:

Further to Prof.Natta's letter of May 7, I have been charged to inform you that Prof.Natta should like to have your and Dr.Kuhn's visit postponed to 11 o'clock of July 2.

Dr.Orsoni agrees with this changed schedule and will write to you in this sense.

With kind regards.

The secretary
to Prof.Natta

May 7, 1963

Dr. John W. Hutcheson
TEXACO U.K. Limited
29/30 Old Burlington Street
London W.1.

our ref. 433/eg

Dear Doctor Hutcheson,

With regard to your letter of May 2, 1963, I am glad to inform you that we will be pleased to meet you and Dr. Kuhn on July 2 at 9 o'clock.

If, by chance, I am absent, you may meet some co-workers of mine and discuss topics of mutual interest with them.

With my kindest regards.

G. Natta

TEXACO U.K. LIMITED

(SUBSIDIARY OF TEXACO INC.)

TELEPHONE
REGENT 8450

29/30 OLD BURLINGTON STREET
LONDON W 1

TELEGRAMS
TEXACOUK LONDON TELEX
TELEX 25192

May 2, 1963.

6 MAG 1963
B 433

Professor G. Natta
Politecnico di Milano
Piazza Leonardo da Vinci 32
Milan.

Dear Professor Natta:

Dr. W.E. Kuhn, General Manager of the Research and Technical Department of Texaco Inc., is planning to attend the 6th World Petroleum Congress. Prior to, and following, his arrival in Frankfurt, I am arranging for Dr. Kuhn to visit a few outstanding research laboratories on the Continent. Dr. Kuhn has expressed a sincere desire to meet with you and your staff.

In Texaco's Research and Technical Department Dr. Kuhn works directly for the Vice President, Mr. L.C. Kemp,Jr., and he is extremely well-informed on all of Texaco's research activities. In the capacity of both administrator and scientist, I feel certain that a visit to your organization would be of significant mutual benefit. According to the itinerary which I am now preparing for Dr. Kuhn, we would like to call on you on the morning of July 2. It would be helpful if this could be an early morning visit as we are also trying to arrange a meeting with Dr. B. Orsoni on that same day. We would like to make both visits prior to our train departure time which is approximately 14.30 hours.

What I had in mind was to spend two hours at your laboratory commencing about 9 o'clock in the morning, and two hours with Dr. Orsoni commencing at 11 o'clock in the morning. These visits could be reversed should either you or Dr. Orsoni find the proposed times inconvenient.

It is sincerely hoped that it will be convenient for you or some of your staff to receive us that day. Dr. Kuhn is looking forward to this visit and I to seeing you again.

An early reply to my request will greatly assist me in finalizing Dr. Kuhn's schedule.

Sincerely yours,

John W. Hutcheson

JWH-DMB

JOHN W. HUTCHESON

MONTECATINI

Società Generale per l'Industria Mineraria e Chimica - Anonima - Capitale versato L. 150 miliardi
Sede in Milano Largo Guido Donegani 1-2

SETTORE STUDI PROGETTAZIONI E BREVETTI

Rispondere a / Please reply to:
MONTECATINI
Settore Studi Progettazioni e Brevetti
Largo Guido Donegani 1-2 Milano-134 (Italy)
Tel. / Phone 6333 - 6334
Telex: MI-085 (Begin message with: PROS)
Telegr. / Cable - GABBROPROGETTI-MILANO

Preg.mo Signore
Prof. Giulio Natta
Istituto di Chimica Industriale
Politecnico di
M i l a n o.

Milano, 6 Maggio 1963.

Texaco.

Egregio Professore,

La prego di dirmi se Ella è d'accordo per ricevere Mr. Kuhn della Texaco il 2 Luglio, e se preferisce alle 09.00 oppure alle 11.00.

Grazie e cordialità :

Orsoni

Bartolomeo Orsoni

Or/sl. 9.00

(A5) - 1000 - 6-61

6.V

TEXACO U.K. LIMITED

(SUBSIDIARY OF TEXACO INC.)

TELEPHONE
REGENT 8450

29/30 OLD BURLINGTON STREET
LONDON W 1

TELEGRAMS
TEXACOUK LONDON TELEX
TELEX 25198

May 2, 1963.

Dr. B. Orsoni
Montecatini
Via F. Turati 18
Milan.

-6.MAG1963

Dear Dr. Orsoni:

Dr. W.E. Kuhn, General Manager of the Research and Technical Department of Texaco Inc., is planning to attend the 6th World Petroleum Congress. Prior to, and following, his arrival in Frankfurt, I am arranging for Dr. Kuhn to visit a few outstanding organizations on the Continent. Dr. Kuhn has expressed a sincere desire to meet with you and any of your staff you might select.

In Texaco's Research and Technical Department Dr. Kuhn works directly for the Vice President, Mr. L.C. Kemp, Jr., and he is extremely well-informed on all of Texaco's research activities. In the capacity of both administrator and scientist, I feel certain that a visit to your organization would be of significant mutual benefit. According to the itinerary which I am now preparing for Dr. Kuhn, we would like to call on you on the morning of July 2. I am also attempting to arrange an early morning visit with Professor Natta on that same day. We would like to make both visits prior to our train departure time which is approximately 14.30 hours.

What I had in mind was to spend two hours at your office commencing about 11 o'clock in the morning, and two hours with Professor Natta commencing about 9 o'clock in the morning. These visits could be reversed should either you or Professor Natta find the proposed times inconvenient.

It is sincerely hoped that it will be convenient for you or some of your staff to receive us that day. Dr. Kuhn is looking forward to this visit and I to seeing you again.

An early reply to my request will greatly assist me in finalizing Dr. Kuhn's schedule.

Sincerely yours,

John W Hutcheson

JOHN W. HUTCHESON

JWH-DMB

March 29, 1963

Dr.John W.Hutcheson,
TEXACO U.K. Ltd.
29/30 Old Burlington Street,
London W.1. (Inghilterra)

our ref.252/lv

Dear Doctor Hutcheson,

Thank you for your kind letter of March 25 and for the information given.

I am glad that your new assignment at TEXACO will allow you to spend some time in Europe, which will enable me to meet you.

I know that TEXACO is interested in the applications in the U.S. of our procedures developed by Montecatini. Therefore, I hope that an opportunity will arise to meet you in Italy.

With my best wishes and kindest regards.

Giulio Natta

TEXACO U.K. LIMITED

(SUBSIDIARY OF TEXACO INC.)

TELEPHONE
REGENT 8450

29/30 OLD BURLINGTON STREET
LONDON W 1

TELEGRAMS
TEXACOUK LONDON TELEX
TELEX 25192

March 25, 1963.

28 MAR 1963
252

Dear Professor Natta,

For nearly five years the Research and Technical Department of Texaco Inc. has maintained a scientific liaison office in London. It has been my pleasure to serve as director of this operation for the entire period. Dr. M.F. Fontaine assisted me from August 1, 1960, to August 1, 1962.

Effective March 1, 1963, my assignment in Europe changes from Texaco's Research and Technical Department to Texaco's Petrochemical Department. My new position will be Director-Commercial Chemical Development and I will be concerned with developing markets in the U.K. and Europe for new petrochemicals which are available or can be made available from Texaco Inc. and its wholly-owned subsidiary companies.

It is not the intention of the Research and Technical Department to terminate the scientific liaison activity. It does appear likely, however, that it will be several months before a replacement will actually be working in Europe. New and pending items will be handled by correspondence or by special trips by some of my colleagues from the United States. Letters containing any questions you may wish to raise or topics you may care to discuss can be sent to me at the above address for transmittal to the United States or you may correspond directly with the Vice-president in charge of research and technical operations in the United States, Mr. L.C. Kemp,Jr. His address is:

Mr. L.C. Kemp, Jr.
Vice-President
Texaco Inc.
P.O. Box 509
Beacon, New York
U. S. A.

I do wish to take this opportunity to convey my sincere thanks for the many kindnesses you have shown me and my associates during the last five years. I am delighted that I will be staying overseas on my new assignment. It will be a privilege to continue my association with our many friends in one of the other areas of Texaco's activities.

I can assure you of Texaco's continuing interest in the discussion of scientific questions. Your cooperation in using correspondence, on matters of interest to you, will keep alive our scientific liaison until the office is again activated.

Again, my sincere thanks for the many courtesies which have been extended. I look forward to seeing you again on my new assignment.

Sincerely yours,

John W. Hutcheson

JOHN W. HUTCHESON

JWH-DMB

TRINOIL (U.K.) LIMITED.
Subsidiary of TEXACO INC.

TELEPHONE:
REGENT 6450.

TELEGRAMS:
TRINOIL, LONDON, TELEX.
TELEX: 25192.

29/30, OLD BURLINGTON STREET,
LONDON, W.I.

September 28, 1961.

Professor G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
Milano.

Dear Professor Natta:

Thank you very much for your letter of September 19 in which you indicated that it may be possible for you to see me on October 17.

As you suggested, I will telephone you on October 16 to fix a time for our meeting.

I am looking forward to seeing you again with a great deal of pleasure.

Sincerely,

John W. Hutcheson

JOHN W. HUTCHESON
Director-Scientific Liaison
(Texaco)

JWHn-DMB

19.9.1961

Mr.John W.Hutcheson
Director-Scientific Liaison
Trinoil (U.K.)Limited
29/30, Old Burlington Street
London W.1 - England

our ref.No.747/rl

Dear Mr.Hutcheson,

Many thanks for your kind letter of September 14, 1961. I will be glad to see you on October 17, if I am in Milan. Please, as soon as you arrive in Milan, ring me up at the Polytechnic (telephone number 235.181). If I am absent, call my secretary in order to arrange the exact time of our meeting.

Looking forward to meeting you in Milan, I send you my best regards.

Sincerely yours,

G.Natta

TRINOIL (U.K.) LIMITED.
Subsidiary of TEXACO INC.

TELEPHONE:
REGENT 8450.

TELEGRAMS:
TRINOIL, LONDON, TELEX.
TELEX: 25192.

29/30, OLD BURLINGTON STREET,

LONDON, W.1.

September 14, 1961.

747

Professor G. Natta,
Instituto di Chimica Industriale,
Politecnico di Milano
Piazza Leonardo da Vinci 32,
Milano.

Dear Professor Natta:

It has been nearly three years since I have had the opportunity of calling on you. I recall with pleasure our introduction which was made by Professor C. Padovani and the tour of your laboratory by Dr. Porri.

At that time I mentioned to you that Texaco Inc., one of the larger, fully-integrated petroleum companies in the United States, was now operating a scientific liaison office in Europe and that I direct these operations. In our activities we are interested in fostering the exchange of scientific knowledge. We have no interest in proprietary information but feel that there are many mutual basic problems which can be discussed in an effort to aid one another.

It is my plan to be in Milan on October 17 (martedì) It is my hope that it will be convenient for you, or someone you may designate, to see me on the morning of that day. This will give me an opportunity to tell you of our work in the last two years.

If I may call on you, perhaps you will be kind enough to suggest a time in the morning of October 17 most convenient to you.

I had the opportunity of seeing Professor M. Szwarc this summer. Professor Szwarc has been most kind to us in Texaco. It is my recollection that he planned to call on you during his European stay. It is hoped that you enjoyed seeing him as much as I did.

Your kind attention to my request and an early reply will be of assistance to me in arranging my travel and hotel reservations.

With kind personal regards,

Sincerely,

John W. Hutcheson

JOHN W. HUTCHESON
Director-Scientific Liaison
(Texaco)

JWHn-DMB

THE DISTILLERS COMPANY, LTD.
RESEARCH AND DEVELOPMENT DEPARTMENT

TELEPHONE:
BURGH HEATH 741

TELEGRAMS:
RESEARCH, EPSOM

GREAT BURGH,
EPSOM,
SURREY.

4th February 1963

Professor G. Natta,
Institute Di Chimica Industriale Del Politecnico,
Piazza Leonard Da Vinci 32,
Milano,
Italy.

Dear Professor Natta,

On my return to this country, I wish to thank you again for the kind reception you gave Mr. N.F. Baker and myself during our visit to Milan, and for the great trouble you took in finding a chemical expert to act in our law suit against S.I.R.

We saw Professor Pino at Pisa on Thursday and had a very agreeable conversation with him. He is visiting our Patent Attorney Dr. Klausner, c/o Messrs. Carlo Gregorj, 1 Via Dogana, Milan, today to discuss with him the amount of work which may be involved.

We also are very happy indeed for the suggestion that you will support Professor Pino. We, of course, realise that both you and Professor Pino have not much time to spare.

Our legal advisers, Dr. Klausner and Dr. Avv. Luzzatto tell us that the suit is still in the preliminary state, and when it comes down to detail, discussion with the Court is carried on by letter only. Our own technical people over here would naturally give Professor Pino all the assistance he requires to make his statements.

I remain, with my good wishes,

Yours sincerely,

K.H.W. TURCK

KHWT/DRC

THE DISTILLERS COMPANY, LTD.

RESEARCH AND DEVELOPMENT DEPARTMENT

TELEPHONE:
BURGH HEATH 741

TELEGRAMS:
RESEARCH, EPSOM

GREAT BURGH,
EPSOM,
SURREY.

16th January 1963

Prof. Giulio Natta,
Via M. Pagano 54,
Milano,
Italy.

Dear Professor Natta,

Thank you very much for your recent letter.

This is to tell you that I will be at your office as indicated by you at 10.30 a.m. on the morning of Tuesday 29th January.

During my stay in Milan I will be at the Hotel Cavalieri from Monday 28th onwards. If you wish to make any alteration to our appointment, perhaps you would send a message to my hotel.

Looking forward very much to seeing you.

I remain,

Yours sincerely,

K.H.W. TURCK

KHWT/DRC

THE DISTILLERS COMPANY, LTD.

DEVELOPMENT DIVISION

TELEPHONE:
BURGH HEATH 3470

TELEGRAMS:
RESEARCH, EPSOM

RESEARCH DEPARTMENT
GREAT BURGH
EPSOM
SURREY

22nd January 1963

Professor G. Natta,
Istituto Di Chimica Industriale,
Del Politecnico,
Piazza Leonard Da Vinci, 32,
Milano,
Spain.

Your ref: 13/lv

Dear Professor Natta,

I have just discovered that my letter of the 16th January has not been addressed correctly. Please accept my apologies.

I am very glad that I shall be able to see you during my visit to Milan and I hope to be at your office at the Istituto at Piazza Leonard Da Vinci on Tuesday 29th at 10.30 a.m. Should you prefer to have this meeting earlier, then please let me know by message to the Hotel Cavalieri where I shall be arriving on Monday 28th January.

With kind regards,

Yours sincerely,

K.H.W. TURCK

KHWT/HHC

Jan.3, 1963

Mr.K.H.W.Turck,
The Distillers Co., Ltd.,
Development Division,
Research Dept.,
Great Burgh,
Epsom, Surrey (Inghilterra)

our ref.13/lv

Dear Mr.Turck,

Thank you for your kind letter of Dec.14, 1962. I think that I will be able to welcome you both on Jan.22 and 29. Please, let me know further details about your scheduled visit to Milan.

With kind regards and best wishes,

Sincerely yours,

G.Natta

THE DISTILLERS COMPANY, LTD.

DEVELOPMENT DIVISION

TELEPHONE:
BURGH HEATH 3470

TELEGRAMS:
RESEARCH, EPSOM

RESEARCH DEPARTMENT
GREAT BURGH
EPSOM
SURREY

14th December 1962

Professor G. Natta,
Via Mario Pagano 54,
Milano,
Italy.

Dear Professor Natta,

I shall be in Italy in the second half of January. On this occasion I would like to pay you a brief visit, not necessarily to discuss polyolefines!

Do you think you will be able to receive me on Tuesday 22nd or 29th January?

Remembering our associations with Degussa and Distillers, and our occasional meetings at congresses, I am much looking forward to seeing you again.

With kind regards and best wishes,

Yours sincerely,

K.H.W. TURCK

KHWT/HHC

The Institute

6 MANDEVILLE PLACE · LONDON · W1

Telephone: Welbeck 5439

Secretary: J. N. Ratcliffe FCIS

Your ref

Our ref KL/EDC

11 April 1963

The Secretary
Politecnico di Milano
Piazza Leonardo da Vinci 32
Milan
Italy.

Dear Sir,

The Plastics Institute Centenary Book

Thank you very much for your letter of 27 March, together with the photograph of Professor Natta. It was very kind of you to take this trouble.

Yours faithfully,

K.Lawrey
for Secretary

Dec.2, 1963

Mr.John W.Nicholls, F.C.I.S.,
General Secretary,
The Society of Dyers and Colourists
Dean House, 19 Piccadilly,
Bradford,1, Yorkshire.

our ref.1034/lv

Dear Mr.Nicholls,

Thank you very much for your kind letter of Nov.26 and for the information given about the presentation of the Perkin Medal.

I do not know whether my state of health allows me to come to Nottingham on March 4; in any case I should like to know when my definite answer on this regard must reach you. I am very pleased that, if I cannot come to England, you may arrange for the presentation of your Medal by the Associazione Italiana di Chimica Tessile e Coloristica.

On the medal, after my name, I would like the following inscription: "Prof.Dr.Ing."

Thanking you very much again for the high honour bestowed on me, which has been mostly appreciated, I send you my kindest regards.

Sincerely yours,

Giulio Natta

The Society of Dyers and Colourists

INCORPORATED BY ROYAL CHARTER 1963

President GEORGE H CARNALL F.C.I.S
Honorary Secretary L MORTON WOOD F.S.D.C
Honorary Treasurer A WADDINGTON F.C.A

General Secretary JOHN W NICHOLLS F.C.I.S
Editor and Technical Officer M TORDOFF PH.D A.R.I.C
Telephone Bradford 25138 (3 lines)

DEAN HOUSE 19 PICCADILLY (PO Box 244) BRADFORD 1 YORKSHIRE

JWN/IG/9534

26th November 1963.

Professor G. Natta,
Istituto Di Chimica Industriale
Del Politecnico,
Piazza Leonardo Da Vinci, 32,
Milano.
Italy.

Dear Professor Natta,

As I am writing to you regarding the Medal which has been awarded to you and also regarding the arrangements for its presentation, I am taking the opportunity of acknowledging and thanking you on behalf of the President, for your letter in respect of the award of the Perkin Medal of this Society. The President was very pleased to receive your letter and to know that our cable had reached you safely.

I enclose a copy of the January issue of our Journal from which you will see that the Perkin Medal is presented for "discoveries or work of outstanding importance in connection with the tinctorial arts".

The actual presentation of the Medal will be made on 4th March 1964, at the Victoria Hotel, Nottingham, where there will be an assembly of a number of people who are receiving various awards of the Society but you will be the only recipient of the Perkin Medal, which is considered a high award by the Society.

Nearer the date will it be possible for you to let me know whether you are likely to be in England to receive the Medal from the hands of the President or whether you wish us to send it direct to you. Alternatively, you may wish to arrange for its presentation to you by the Associazione Italiana di Chimica Tessile e Coloristica, who are colleague Members of ours in the International Federation of Associations of Textile Chemists and Colourists.

We will be most grateful to have an exchange of views on what may be the best arrangements in your interests.

With regard to the inscription on the Medal will you please let us know the abbreviations for your qualifications so that these may appear after your name.

Our renewed Congratulations and Best Wishes.

Yours sincerely,

(John W. Nicholls)
GENERAL SECRETARY..

Enc.

Nov.13, 1963

Mr.George Carnall, President
Society of Dyers & Colourists,
Dean House,
Piccadilly,
Bradford (Yorkshire) Inghilterra

our ref.991/lv

Dear Mr.Carnall,

Thank you very much for your kind cable, informing me that I have been awarded the Perkin Medal of the Society of Dyers and Colourists.
I am greatly honoured at having been chosen by the Council for this award.

I apologise for my delay in answering and thanking you - unfortunately your cable had been erroneously placed among the other cables I have received in these days.

Please, let me know further information about your granting me this medal.

Thanking you very much again, I send you my best regards.

Sincerely yours,

Giulio Natta

ITALCABLE

Prefisso e Numero - Provenienza - Numero Parole - Data - Ore - Indicazioni eventuali

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PER LA RISPOSTA TELEFONATE AL N. 8838

PROFESSOR G NATTA

54 VIA M PAGANO MILAN

1859

TELEGRAMMA via Italcable via Italo Radio

SUS[illegible]728/GRO

Spazio riservato agli estremi di ricevimento

I SEND YOU MY HEARTY CONGRATULATIONS ON COUNCIL HAVING AWARDED YOU THE PERKIN MEDAL OF THE SOCIETY GEORGE CARNALL PRESIDENT THE SOCIETY OF DYERS AND COLOURISTS

Scrivere impressionando e chiedendo notizie

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Dec.2, 1963

Mr.M.Tordoff, Ph.D.
The Society of Dyers and Colourists
Dean House, 19 Piccadilly,
Bradford 1, Yorkshire (England)

1035

our ref.1035/lv

Dear Doctor Tordoff,

Herewith enclosed I send you a photograph of myself, which, I hope, will suit you for your purposes.

With my kindest regards.

Giulio Natta

Encl/ AF 28238/1963

The Society of Dyers and Colourists

INCORPORATED BY ROYAL CHARTER 1963

President GEORGE H CARNALL F.C.I.S
Honorary Secretary L MORTON WOOD F.S.D.C
Honorary Treasurer A WADDINGTON F.C.A

General Secretary JOHN W NICHOLLS F.C.I.S
Editor and Technical Officer M TORDOFF PH.D A.R.I.C
Telephone Bradford 25138 (3 lines)

DEAN HOUSE 19 PICCADILLY (PO Box 244) BRADFORD 1 YORKSHIRE
Telegrams SODAC

MT/FRL/1160

27th November, 1963.

Professor G. Natta,
54, via M. Pagano,
Milan,
ITALY.

Dear Professor Natta,

We are proposing to include in the March 1964 issue of the Journal an account of the ceremony at which the Society's Medals will be presented. This account will include photographs of the medallists. I should therefore be grateful if you could let me have, as soon as possible, a glossy black and white photograph of yourself. The photographs in the Journal will be 3½ inches long and 2½inches wide, but the original may, of course, be larger than this.

I look forward to receiving your photograph in the near future.

Yours sincerely,

M. Tordoff

Editor and Technical Officer

Telephone Numbers *BLAckfriars 1457 (2 lines)*
" 8457 (3 lines)

By Royal Charter 1925

The Textile Institute

10 Blackfriars Street · Manchester 3

President: R. J. KERR-MUIR, O.B.E., T.D., M.A., B.Sc.

General Secretary: D. B. MOORE, B.A., M.B.I.M.

Ref: 0010/29

1st October, 1968.

Professor Dr. Ing. Giulio Natta,
Director,
Institute of Industrial Chemistry,
Polytechnic of Milan,
Piazza Leonardo da Vinci, 32,
Milan,
Italy.

Dear Professor Natta,

In the absence of Mr. Moore I would reply to your letter of the 23rd September indicating that unfortunately due to your state of health you will be unable to come to Manchester to receive the Honorary Fellowship Award at Convocation.

On Mr. Moore's return I would refer him to your letter and no doubt he will be writing to you in due course.

Yours sincerely,

R. G. ROYLE.
Registrar.

RGR/MK

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YOUR REF. 942/1v

DATE 11th January, 1963.

Prof. G. Natta,
Istituto di Chimica Industriale,
Del Politechnico,
Piazza Leonardo da Vinci, 32,
M I L A N O.

15 GEN 1963
34

Dear Prof. Natta,

Thank you very much for your letter of the 31st December, 1962.

While it is disappointing to learn that polyhexafluoropropylene has not yet been produced on an industrial scale in Italy and that samples are not available in your laboratory, I very much appreciate your kindness in explaining the position. I am also most grateful for your suggestion that if a sample of the material becomes available, you would be prepared to send it to me, and I should naturally be very pleased to receive it.

Thanking you once again,

Yours sincerely,

W. TITOW.

Directors: V. E. Yarsley, M.Sc., D.Sc. (Tech.), F.R.I.C., M.I.Chem.E., F.P.I., (*Chairman & Managing*) ~~C. Webber, M.A. (Oxon.), Ph.D. (Lond.), A.M.I.Chem.E., (Vice-Chairman)~~
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1970

1971

1972

1973

1974

The Chemical Society

President Sir Ronald Nyholm FRS Burlington ~~House~~ London W1 Telephone 01-734 9971

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
27 GEN.
28

F/H/1

23rd January, 1970

Dear Professor Natta,

It is with great pleasure that I write to advise you that the Council has unanimously agreed to invite you to accept nomination as an Honorary Fellow of the Chemical Society.

Honorary Fellowship is conferred on those whose distinction in the science of Chemistry has earned an international reputation, and the number of Honorary Fellows is limited to a total of forty. Honorary Fellows receive, without payment, a copy of all the regular periodical publications of the Society.

The Council sincerely hopes that you will accept this invitation which we would like to announce publicly as soon as possible.

Yours sincerely
R. S. Nyholm
President

Professor G. Natta,
Institute of Industrial Chemistry,
Polytechnic,
Milan,
Italy.

January 13, 1971

Dr. G. Dring
636 Streetsbrook Road
Solihull
Warwickshire

Dear Doctor Dring,

Thank you very much for your letter and wishes, which were very gratefully received. I do hope that your wife will soon recover completely. I know by experience that much patience is necessary with illnesses. Luckily, Dopamine helps me a lot and I can walk quite well now.

I wish you and your family all the best for 1971 and send kindest personal regards.

G. Natta

TO OPEN SLIT HERE

FIRST FOLD HERE



Sender's name and address

G. IRING
63b STREETSBROOK ROAD
SOLIHULL
WARWICKSHIRE

An air letter should not contain any enclosure; if it does it will be surcharged or sent by ordinary mail.

Early English stained glass
Above: Adoration of the Shepherds, East Harling, Norfolk. 15th Century
Front: The Nativity, Great Malvern Priory Church, Worcestershire. 16th Century.
The Stamp: Angel, East Harling, Norfolk. 15th Century.
Designed by Peter Gauld FSIA and printed by McCorquodale & Co Ltd.

SECOND FOLD HERE

AIR LETTER

BY AIR MAIL

PAR AVION AEROGRAMME

SOLIHULL





Prof. Ing. Giulio Natta
via M. Pagano 54
MILANO.

Italy

TO OPEN SLIT HERE

ubre 1970

Dear Professor Natta,

It is a twelvemonth since I last wrote to you and I said then that we were going to Persia in April. Unfortunately my wife developed pancreatitis following a virus infection and has been ill all summer. She is recovering slowly but gets very quickly tired and has to rest as much as she can. The formula seems to be "Do nothing: and enjoy doing it." We had to cancel our visit to Persia and have not been able to go far away from home. Fortunately it has been an unusually warm summer in England and we have thoroughly enjoyed being out in our own garden in the lovely sunshine, day after day, for weeks on end.

We had three short holidays in England — a week in Framlingham for the Aldeburgh Music Festival (the home town of Benjamin Britten and Peter Pears) — a week in Durham for the annual meeting of the British Association for the Advancement of Science (I have long been a life member and my elder daughter Joan is still organising their Lecture Service) — and a week in Tunbridge Wells with my younger daughter, Sheila, and her children, Christopher (who will be 12 next June) is

ST FC

top of his form in Mathematics and Science and Caroline (who will be 6 in February) is keen on music and painting.

I was delighted to hear last year that you were so much better after your stay in New York and treatment with Dopamine. I hope you have been able to maintain your improved health and that you are even better now than you were then.

My wife joins me in sending you our especially warm remembrance and our best wishes for your health and happiness in 1971. Yours sincerely

THE ROYAL SOCIETY *for the encouragement*
OF ARTS *Manufactures and Commerce*
JOHN ADAM STREET · ADELPHI · LONDON WC2
TEL: 01-839 2366 · TELEGR: PRAXITELES LONDON WC2
From the Secretary: G. E. Mercer

20th July, 1971.

Dear Sir,

The Council wish me to ask whether you would allow them to nominate you for election as a Fellow of the Royal Society of Arts.

The Society's purpose is "the encouragement of arts, manufactures and commerce". It is an independent, non-political organisation, holding by virtue of its wide interests and long record of service, a unique position among British institutions. Since its foundation in 1754 the Society has, in the words of its Charter, been concerned with matters which "tend to the honours and riches of the Kingdom by promoting industry and emulation". Its chief activities to-day, conducted from the House it has occupied since 1774, are mainly educational: the encouragement of all levels of good industrial design; the operation of a nationally respected system of commercial examinations; the arrangement each year of expository lectures on topics of national importance; and the publication of a monthly Journal which reports these proceedings in full. The Society's history and character are treated in the enclosed prospectus as well as a brief account of its current activities. I should be glad to send you the last Annual Report of the Council which describes these in greater detail.

H.R.H. The Duke of Edinburgh is the Society's President and Sir James Taylor the Chairman of Council. The Society has about 9,000 Members and, as has been the case throughout its history, enjoys the support of prominent men and women in all walks of life. It also receives encouragement in its works from many branches of industry and commerce, the Department of Education and Science, and the Board of Trade. It has friendly relations with the Confederation of British Industry and the Trades Union Congress.

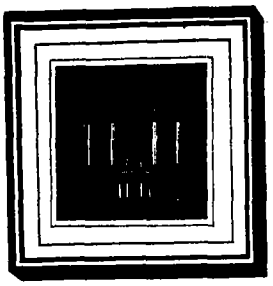
The annual subscription (which includes the receipt of the monthly Journal) is £6, or a Life Composition Fee of £60 may be paid. There is an initial registration fee of £4.

The Council very much hope that you will be able to accept this invitation, in which case I shall be pleased to make the necessary arrangements for your election on receiving back duly completed the accompanying application form.

Yours faithfully,

Giulio Natta, Esq., Dr. Ing.

Giulio Natta, Dr. Ing.



THE ROYAL SOCIETY *for the encouragement*
OF ARTS *Manufactures and Commerce*

JOHN ADAM STREET · ADELPHI · LONDON WC2N 6EZ

PATRON : HER MAJESTY THE QUEEN

PRESIDENT : H.R.H. THE DUKE OF EDINBURGH K.G.

FORM OF PROPOSAL FOR FELLOWSHIP

NAME IN FULL ..... NATTA Giulio .....

ADDRESS ..... Istituto Chimico Politecnico
a Milano .....

.....

NATIONALITY ..... Italia .....

RANK, PROFESSION OR BUSINESS ..... Prof. Chimica Ind. Politecnico Milano .....

I desire to become a Fellow of the Royal Society of Arts

SIGNATURE OF CANDIDATE ..... Giulio Natta .....

DATE OF BIRTH ..... 26 - Feb. 1903 .....

We hereby propose and recommend the above Candidate as a fit and proper person to become a Fellow of the Royal Society for the Encouragement of Arts, Manufactures and Commerce.

NAME IN BLOCK CAPITALS

[.....] .....
(on personal knowledge)

[.....] *Signatures of three Fellows, one of whom at least must sign on personal knowledge; or the nomination by the Council.* .....

[.....] .....

BY COUNCIL.

READ AND SUSPENDED .....

ELECTED .....

P.T.O.

BIOGRAPHICAL PARTICULARS

Candidates seeking election are requested to give full details of the following, where applicable:

NATIONAL HONOURS, IF ANY: Nobel Prize 1963 in Chemistry

PROFESSIONAL QUALIFICATIONS, IF ANY: Ph. Chimie Industrielle Politecnico di Milano

EDUCATION, *mentioning any degrees and academic successes; with names of Universities, Colleges etc, and dates:*

D.Sc. in Chemical Engineering Politecnico di Milano

DETAILS OF CAREER, *giving positions held, with dates, and names of employers:*

PRESENT EMPLOYMENT

PREVIOUS EMPLOYMENT

P.T.O.

October 30, 1973

Sir Harry W. Melville
Queen Mary College
University of London
Mile End Road
London E.1 (Inghilterra)

our ref.No. 52/r1

Dear Professor Melville,

we received your letter of October 25 to Prof. Natta and we wish to inform you that Prof. Natta has retired one year ago.

With regard to Ziegler's biography, we are sorry we have no data to send you. You may write to Prof. Günther Wilke, the successor of Prof. Ziegler from 1968.

Best regards,

Dr. R. Lamma (secretary)

QUEEN MARY COLLEGE

UNIVERSITY OF LONDON

PRINCIPAL Sir Harry W. Melville, K.C.B., F.R.S.

MILE END ROAD
LONDON E.1
Tel. 01-980 4811

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
52

25 October 1973

Professor G Natta
Instituto di Polytechnico
Milan, Italy

Dear Professor Natta

You may be very surprised to hear from me again and I hope that you are still active in your Laboratory in Milan. The reason for my writing is that the Royal Society has asked me if I could write a biographical memoir of the late Professor K Ziegler. This is somewhat difficult for me to do since I had only met him on a few occasions and once visited his laboratory in Mülheim.

I would be very grateful if you would let me know how I might get some biographical material from any source that might form the basis of such a notice. Alternatively, you might be able to suggest to me some member of his staff in Germany who might provide this material, because it is important that as a member of the Royal Society such a biographical notice should be published in due course.

With kind regards
Yours sincerely
H Melville

Il successore di Ziegler è il
Dr. Günther Wilke

11.9.1974

Dr. P. Brian Wijeratne
General Secretary - The 3rd International
Conference on the Unity of the Sciences
The International Cultural Foundation
5, Lowndes Street
LONDON S.W1X 9ET (Inghilterra)

Egregio Dottore,

il Prof. Natta, attualmente fuori Milano a causa delle sue condizioni di salute, mi ha incaricato di ringraziarLa vivamente per la Sua gentile lettera del 1 agosto. E' però molto spiacente di informarLa che sarà assolutamente impossibile che possa intervenire alla conferenza o parteciparvi anche inviando solo uno scritto, come da Lei gentilmente proposto.

Con i migliori saluti.

La Segreteria

THE THIRD INTERNATIONAL CONFERENCE ON THE UNITY OF THE SCIENCES (3rd I.C.U.S.)

The International Cultural Foundation, Tel: 01-235-1892

5, Lowndes Street, London SW1X 9ET. Underground: Knightsbridge or Sloane Square.

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Isamu Watanabe	*Japan*
P. Brian Wijeratne	*U.K.*

Londra
1 Agosto 1974

GENTILE PROFESSORE,

Grazie per la sua cortese risposta. Non ho parole per esprimerle il mio rincrescimento. Dato il suo alto e riconosciuto valore, la sua eminenza, contavo molto poterla annoverare nella lista dei partecipanti della conferenza di quest'anno che accludo a titolo informativo e che, come potra osservare, e di altissimo livello.

Mi permetto di informarla, caro professore, che nel suo caso particolare l'invito rimane aperto sino all'ultimo momento e che se la sua salute, come le auguro vivamente, dovesse migliorare, saremmo felicissimi di averla tra di noi non fosse altro che per due soli giorni onde partecipare alle discussioni (saboto 23 & domenica 24 nov.). Resta sottinteso che lei sarà nostro ospite per quanto riguarda tutte le spese (viaggio alloggio ed extra) e che potremmo mettere a sua disposizione anche un infermiera se le occorresse assistenza.

Se però le fosse impossible intervenire anche per un solo giorno, mi permetto di farle un altra proposta; proposta che e stata accolta anche dal Duc de Broglie (malfermo in salute). Di inviare uno scritto anche di anni passati, che sia attinente ai temi della conferenza.

Grati per cio che vorrà fare. Le invio il mio grazie piu sentito.

Coi migliori saluti.

Fortunato
Con Pasquale

P Brian Wijeratne

Secretary General

P.P. Carlo Castelbarco

Milano June 14, 1974

Dr. P. Brian Wijeratne, Secretary
The 3rd Int.Conf.on the Unity
of the Sciences,
The International Cultural Foundat.
6, Lowndes Street SW1X 9ET
(Inghilterra)

Dear Doctor Wijeratne,

Thank you very much for your kind letter of June 1* and for your invitation to participate in the International Conference on the Unity of the Sciences.

Unfortunately, owing to my state of health, it is impossible for me to make journeys abroad and I have to give up the pleasure of participating in conferences I would be interested in.

I wish you and the Conference the greatest success.

Kind regards,

(Prof. Giulio Natta)

* Dictated by Prof. Natta
and mailed in his absence.

THE THIRD INTERNATIONAL CONFERENCE ON THE UNITY OF THE SCIENCES (3rd I.C.U.S.)
The International Cultural Foundation, **Tel: 01-235-1892**
5, Lowndes Street, London SW1X 9ET. Underground: Knightsbridge or Sloane Square.

1-June 1974

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Hermann Wold *Gotteborg University, Sweden.*

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Hilde Himmelweit *London School of Economics*
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Takeshi Furuta *Japan & USA*
Glenn C. Strait *USA*
Isamu Watanabe *Japan*
P.Brian Wijeratne *U.K.*

Professor G. Natta,
Via Mario Pagano 54,
Milan,
Italy.

Dear Professor Natta,

One need not reiterate here, the condition of mankind today, nor is it necessary to elaborate on the depth of your concern, your scientific eminence, and your unique ability to communicate with persons of diverse walks of life. All these conditions are apparent and understood.

As you know, the International Cultural Foundation (ICF) has initiated the International Conference on the Unity of the Sciences, rotatating annually through the cities of New York, Tokyo, and London. These meetings bring together eminent scholars of diverse disciplines and nationality, for serious discussion of the joint fundamental themes of "the unity of the sciences", and the "dilemma of facts and values". By this course, we hope to provide adequate opportunity for persons to demonstrate the highest academic excellence and moral commitment, whose deliberations will develop to generate a public impact beyond the strict academic circles.

Professor Natta, we consider you to be a natural and valuable participant in these conferences. Realizing how late the hour is to be inviting you, I should none-the-less like to invite you, on behalf of the Executive Board, to contribute to the Conference, as an 'A' category participant.

Your name has been recommended to us by our academic advisors. May I add that we will be honoured by your presence.

I have enclosed a brochure giving rlevant details.

I look forward to hearing from you in the near future.

With every good wish,

Yours sincerely,

P. Brian Wijeratne

P. Brian Wijeratne
Secretary General

Encl.

Risponderà successivamente.

THE THIRD INTERNATIONAL CONFERENCE ON THE UNITY OF THE SCIENCES (3rd ICUS)

LIST OF PARTICIPANTS (This is not the final list; more names to be added)

1	Prof Henri Janne	Sociology	BELGIUM	C	4
2	Prof Axel Strøm	Social Medicine	NORWAY	C/D	1
3	Prof Olaf Gigon	Classical Literature	SWITZERLAND	P	3
4	Prof Jeanne Hersch	Philosophy	SWITZERLAND	C	2
5	Prof Bernard Lievegoed	Medicine	NETHERLANDS	C/D	4
6	Prof Hip Groenewold	Physics	NETHERLANDS	P	3
7	Prof Karel Kuypers	Philosophy	NETHERLANDS	C/D	3
8	Prof Edward Slater	Physiological Chem.	NETHERLANDS	D	3
9	Prof Joseph Meurers	Astronomy&Philosophy	AUTRIA	P	3
10	Prof Leopold Rosenmayr	Sociology	AUSTRIA	P	4
11	Prof Olavi Granö	Geography	FINLAND	D	1
12	Prof Ragnar Gerholm	Physics	SWEDEN	P	2
13	Prof Hermann Wold	Statistics	SWEDEN	P	4
14	Prof Ake Pleijel	Mathematics	SWEDEN	D	4
15	Prof Ragnar Granit	Physiology(Nobel L.)	SWEDEN (Plenary Add)	P	3
16	Dr. Arne Zettersten	Linguistics	SWEDEN	D	4
17	Dr. Anatol Pikas	Education	SWEDEN	C	1
18	Prof Pierre Auger	Physics	FRANCE(Plenary Add)	P	2
19	Prof Y. Coulomb	Geophysicist	FRANCE	P	3
20	Prof C.Galperin	Philosophy	FRANCE	P	4
21	Prof H. de Jouvenal	Futurology	FRANCE	P	1
22	Prof Alfred Kastler	Physics (Nobel L.)	FRANCE	D	4
23	Prof Walter Kerber	Sociology	GERMANY	P	3
24	Prof Erwin Schopper	Nuclear Physics	GERMANY	P	
25	Prof Wilhelm Fucks	Applied Science	GERMANY	P	3
26	Prof Werner Meissner	Economics	GERMANY	C	1
27	Prof G. Süssmann	Physics	GERMANY	C	
28	Prof Jürgen Moltmann	Systematic Theology	GERMANY	P	2
29	Prof Werner Forssman	Medicine (Nobel L.)	GERMANY	D	3
30	Prof Albert Szent-Gyorgi	Physiology(")	HUNGARY(Now US)	D	
31	Prof Yehezekal Dror	Policy Science	ISRAEL	P	4
32	Prof Donald Whitehead	Economics	AUSTRALIA	P	3
33	Prof Polykarp Kusch	Physics(Nobel L.)	U.S.A.(Plenary Add)	P	2
34	Prof Walter Brattain	Physics(Nobel L.)	U.S.A.	D	4
35	Prof Andre Cournand	Medicine(")	U.S.A.	C	2
36	Prof Carl Cori	Medicine(")	U.S.A.	C	1,2,3
37	Prof Roger Anderson	Natural Science	U.S.A.	P	3
38	Prof Oskar Morgenstern	Economics&Mathematics	U.S.A.	C	4
39	Prof Lynn White	History of Science	U.S.A.	C	3
40	Prof Walter Buckley	General Systems	U.S.A.	C	3
41	Prof Daniel Guilmet	Medicine	FRANCE	P	1
42	Prof Odd Hassel	Chemistry(Nobel L.)	NORWAY	D	1
43	Prof Giancarlo Masini	Chemistry	ITALY	D	4
44	Prof Nobushige Sawada	Philosophy	JAPAN	D	3
45	Prof Dorothy Hodgkin	Chemistry(Nobel L.)	U.K.	D	
46	Prof Ron Norrish	Chemistry(")	U.K.	D	1
47	Dr. Enrico Cantore	Scientific Humanism	U.S.A.	P	2
48	Lord Adrian	Physiology(Nobel L.)	U.K.	D	1
49	Sir James Chadwick	Physics (")	U.K.	D	1
50	Sir George Thomson	Physics (")	U.K.	D	3
51	Lord Blackett	Physics (")	U.K.	D	4
52	Rt. Hon. P.J.Noel-Baker	Privy Coun(")	U.K.	P	4
53	Dr. Archer Martin	Chemistry (")	U.K. (Plenary Add.)	P	3
54	Sir Alan Hodgkin	Physiology(")	U.K.	D	3
55	Prof Peter Baelz	Pastroral Theology	U.K.	C	2
56	Prof David Martin	Sociology	U.K.	D	3
57	Prof Maurice Broady	Social Administration	U.K.	P	4
58	Prof John Watking	Philosophy	U.K.	D	3
59	Prof Nicholas Kurti	Physics	U.K.	D	
60	Prof Risto Hilpinen	Philosophy	FINLAND	C	3

- Cont. Page 2 -

Participation: P=paper, C=commentary, D=discussion

No. of Committee

61	Prof Stewart Hill	Ecology	CANADA	C	2
62	Prof Donald Daugs	Education	CANADA	D	4
63	Prof Mahmud Husain	Philosopher	PAKISTAN	P	4
64	Prof Gunther Stent	Molecular Biology	U.S.A.	P	3
65	Prof R.L. Ackoff	Operations Res. Anal.	U.S.A.	P	1/4
66	Dr. Peter Hodgson	Nuclear Physics	U.K.	P	3
67	Dr. Peter Brooks	History, Education	U.K.	P	4
68	Prof Eric Mascall	Historical Theology	U.K.	P	2
69	Prof S. C. Scorer	Applied Mathematics	U.K.	P	3
70	Prof Donald Cardwell	History of Sc. & Tech.	U.K.	P	4
71	Prof David Ingram	Physics	U.K.	P	2
72	Prof Ninian Smart	Religious Studies & Phil.	U.K.	P	2
73	Prof Gordon Dunstan	Moral & Social Theology	U.K.	P	1
74	Prof Hilde Himmelweit	Social Psychology	U.K.	P	1/2
75	Prof John Taylor	Mathematics	U.K.(Plenary Add.)	P	2
76	Prof Hugh Ford	Mechanical Engineering	U.K.	P	1
77	Prof Jack Mongar	Pharmacology	U.K.	D	1
78	Mrs. Eileen Barker	Sociology	U.K.	P	3
79	Prof Kenneth Mellanby	Ecology	U.K.	C/D	2
80	Mr Rashid Mufti	Sociology	U.K.	P	4
[illegible]	Mr. Edward Goldsmith	Ecology	U.K.	P	1,2,3
82	Mr Ronald Raven	Surgical Oncology	U.K.	P/C	1
83	Dr. Jack Dominian	Psychiatry	U.K.	P	1
84	Lord Halsbury	Medical Research	U.K.	P	1
85	Prof M.W. Thring	Applied Science	U.K.	P	1
86	Dr. John Russell	Philosophy, Hist.of Phil.	U.K.	P/C	2
87	Dr. Anthony de Reuck	Linguistics, Natural Sc.	U.K.	P/C	2
88	Prof R.V. Jones	Natural Philosophy	U.K.	C	
89	Dr. Stephen Prickett	English&American Studies	U.K.	D	4
90	Dr. P.M.C. Davies	Zoology	U.K.	D	1
91	Dr. John Maddox	Scientific Journalism	U.K.	P	1
92	Lord Kennet	Foreign Aff.& Sc.Policy	U.K.	D	1
93	Prof I.I. Rabi	Physics(Nobel L.)	U.S.A.	C	
94	Prof Emilio Segre	Physics (")	U.S.A.	P/C	
95	Prof Marius Jeuken	Biology	NETHERLANDS	C/D	3
96	Prof Arthur Rörsch	Biochemistry	NETHERLANDS	P	4
97	Prof Agnes Headlam-Morley	International Relations	U.K.	D	1
98	Mr. Maurice Goldsmith	Science Policy	U.K.	C/D	3/4
99	Prof Tosio Kitagawa	Philosophy	JAPAN	P	3
100	Prof Hardin B. Jones	Physiology	U.S.A.	P	1/3
[illegible]	Sir John McMichael	Medicine	U.K.	D	1
102	Prof Jivi Koryta	Chemistry	CZECHOSLOVAKIA	C/D	4
103	Prof W.N. Wang	Physics	Republic of CHINA	P	3/4
104	Prof Walburga Rödding	Systems Theory	GERMANY	P	3
105	Prof Sidney Hook	Philosophy	U.S.A.	C	2/4
106	Prof Ervin Laszlo	Systems Philosophy	U.S.A.	P	
107	Mr Gabor Strasser	Technology Assessment	U.S.A.	P	1/2
108	Prof Henry Riecken	Social Science	U.S.A.		
109	Prof Alastair M. Taylor	Political Science	U.S.A.	P	4
110	Prof Miguel R. Covien	Physiology	BRAZIL	D	
111	Prof Se Won Yoon	Physics	KOREA	D	3
112	Prof Soo Won Kang	Zoology	KOREA	D	4
113	Prof Hang Nyong Lee	Philosophy of Law	KOREA	D	2
114	Dr Sang Hun Lee	Medicine, Philosophy	KOREA	P	1
115	Prof Joseph Basile	Social Economics	BELGIUM	P	2
116	Dr Kenneth Cragg	Comparative Religion	U.K.	P.	1
117	Prof Julian Marias	Philosophy, Humanities	SPAIN		
118	Prof Kenichi Koyama	Social Technology	JAPAN		
119	Prof Shumpei Kumon	International Rel, Econ.	JAPAN		
120	Prof Tatsuoki Miyajima	Physics	JAPAN		
121	Prof Nobuyuki Fukuda	Physics	JAPAN		
122	Prof Chun-Shan Shen	Natural Sciences	Republic of CHINA	C/D	
123	Prof Alberto Dou	Mathematics	SPAIN	C/D	2/3
124	Prof Sir Ernst Chain	Medicine (Nobel Laureate)	U.K.		
125	Dr Leo Esaki	Physics (Nobel Laureate)	JAPAN	D	3/4

1969

THE UNIVERSITY OF SUSSEX
THE CHEMICAL LABORATORY FALMER BRIGHTON SUSSEX
Telephone: Brighton 66755

Professor of Chemistry
J. CHATT, F.R.S.

19th September 1969

Professor Giulio Natta,
Istituto Di Chimica Industriale
del Politecnico,
P.ZA Leonardo Da Vinci 32,
20133, Milano, Italy.

Dear Professor Natta,

Thank you very much indeed for your letter of the 29th July which arrived whilst I was abroad. I hope that Dr. Giongo will be successful in his application for a fellowship and I look forward to his joining me here.

With kindest regards,

Yours sincerely,

J. Chatt

DEPARTMENT OF CHEMISTRY | PROFESSOR OF ORGANIC CHEMISTRY, D. H. R. BARTON, FRS

Imperial College of Science and Technology UNIVERSITY OF LONDON

ROYAL COLLEGE OF SCIENCE, IMPERIAL INSTITUTE ROAD, LONDON SW7 KENSINGTON 5111

Dear Professor Natta,

Thank you very much for your kind message of congratulations. It was very much appreciated. From your own experience you will know what life is like at this moment!

Yours very sincerely,

Derek Barton

Inghilterra

March, 11 , 1969

Dr. A. KELLER
H.H. Wills Physics Laboratory
University of
BRISTOL (Inghilterra)

Dear Doctor Keller,

Thank you very much for kindly sending me a copy of your review "Polymer Crystals", which I will read with much interest.

Kindest personal regards,

Sincerely yours,

G. Natta

Milano, Jan. 20, 1969

Professor M. Gordon,
Dept. of Chemistry
University of Essex
Wivenhoe Park,
Colchester, Essex (Inghilterra)

our ref. 8/1mv

Dear Professor Gordon,

Thank you very much for kindly sending me a copy of the Vickers Magazine. I will read the article with much interest.

With kindest regards,

Sincerely yours,

Giulio Natta

University of Essex

Department of Chemistry
Wivenhoe Park, Colchester, Essex
Tel: Colchester (OCO 6) 5141

9th January, 1969.

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
10 GEN. 1969
8

Professor Giulio Natta,
Politecnico,
Milan,
Italy.

Dear Professor Natta,

I have pleasure in enclosing a copy of the current Vickers Magazine. It has on Page 23 a photograph of yourself which you kindly supplied.

I hope this letter will find you in good health and I want to take the opportunity to thank you again for your help.

With kind regards,
Yours sincerely,

Manfred Gordon

Professor M. Gordon.

MG/ET.

Encl:

University of Essex

Department of Chemistry
Wivenhoe Park, Colchester, Essex
Tel: Colchester (OCO 6) 5141

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
117

MG/AR

19th February, 1968

Professor G. Natta,
Milan Polytechnic,
Milano,
Italy.

Dear Professor Natta,

It is many years since we met and I guess you will not remember me. My purpose in writing to you is to request the favour of a photograph of yourself for incorporation in an article I hope to publish this summer in The Vickers Magazine. The article will be on polymer science and technology. The intention is to include photographs of the three Nobel Prize winners.

Professor Ziegler has kindly supplied us with a photograph and I am hoping to obtain Professor Staudinger's photograph from his widow. Your co-operation in this matter would be greatly appreciated. Indeed, if you were prepared to autograph the photograph on the back, I would get it back from the Editor of the journal and treasure it forever.

Kind regards,

Yours sincerely,

Manfred Gordon

Professor M. Gordon.

R inviata foto 5.marzo 1968

Milano, Feb. 19, 1969

Dr. Alan Pickett,
Park Farm
Fosten Green,
Biddenden, Kent (Inghilterra)

Dear Doctor Pickett,

My sincerest thanks to you and to your wife for your heartfelt sympathies and for all good words to me. You knew Rosita and may understand my feelings. The words of my friends are of great help to me.

Yours,

Giulio Natta

TELEPHONE:
BIDDENDEN 433

PARK FARM
FOSTEN GREEN
BIDDENDEN
KENT

8 February 1969.

Dear Professor Natta,

I have only just received the news of your sad loss and I hasten to send you my sincere and heartfelt condolences. I know what a wonderful wife, companion, and support Rosita was to you, particularly since your own illness. I find it difficult to believe that we saw you both in Geneva as recently as last June. She was a very lovely woman – always so gay and active and warmhearted. It has been a great privilege to know her.

Please do not reply to this letter, but we did want you to know you are in our thoughts.

With best personal regards,

Sincerely yours,

Alan and Margaret Pickett

TELEPHONE:
BIDDENDEN 433

PARK FARM
FOSTEN GREEN
BIDDENDEN
KENT

9 February 1969.

The Secretary to
Prof. G. Natta,
Milano.

Dear Madam,

Thank you for your letter of 30 January. I was naturally very upset to hear of the misunderstanding and also to hear the tragic news about Signora Natta. Thank you for opening my last letter - I want to say how very much I appreciate your kindness in this delicate matter.

As you say, Rosita Natta's passing is an irreplacable loss to the Professor, and we greatly admire his courage and strength in continuing to visit the Institute every day.

I enclose a short letter: you may prefer to destroy it. But if you think it is not too painful, perhaps you could convey to Professor Natta our heartfelt expression of deepest sympathy. I do not want an acknowledgement from him, however.

With my best wishes.

Yours sincerely,

Ada Pickett

1968

AMBASCIATA D'ITALIA

IL MINISTRO COMMERCIALE

LONDON, W. 1

14, THREE KINGS YARD

Z.ON. 3760

Londra, 29 novembre 1968

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
- 9 DIC. 1968
481

Illustre Professore,

a seguito della Sua autorizzazione, il Dr. Italo Di Muccio, Primo Segretario di questa Ambasciata, è intervenuto il 22 novembre scorso alla cerimonia di convocazione del "The Textile Institute" di Manchester dove, a Suo nome, ha ritirato l'accluso Diploma di "Honorary Fellowship" che Le è stato conferito.

Come convenuto, il Dr. Di Muccio ha espresso al Presidente dell'Istituto i Suoi ringraziamenti per l'onorificenza ricevuta oltre al Suo rincrescimento per non aver potuto intervenire di persona per ragioni di salute.

Colgo l'occasione, illustre Professore, per rinnovarLe i miei saluti.

(Enzo Malgeri)

Prof. Dr.Ing.Giulio Natta
Direttore dell'Istituto di
Chimica Industriale
Politecnico di Milano
Piazza Leonardo da Vinci, 22
MILANO



CONVOCATION
OF THE
TEXTILE INSTITUTE

22 NOVEMBER 1968

FRIENDS' MEETING HOUSE
Mount Street
Manchester, 2

At 2.30 p.m. the President of the Institute
R. J. KERR-MUIR, O.B.E., T.D., M.A., B.Sc.,
will welcome the candidates and will introduce the Guest of Honour,
Mrs. SHIRLEY WILLIAMS, M.P.,
Minister of State for Education and Science, who will address those present.

HONORARY FELLOWSHIP

Professor GIULIO NATTA, Dr. Ing.,
will be presented, *in absentia*, to the President by H. A. C. Todd, Esq., B.Sc., F.T.I., for admission to the Honorary Fellowship of The Textile Institute.
The award will be received on behalf of Professor Natta by Sig. I. di Muccio, First Secretary of the Italian Embassy to the United Kingdom.

WARNER MEMORIAL MEDAL

Professor PERCY GROSBERG, M.Sc.(Eng.), Ph.D., M.I.Mech.E., F.T.I., will be presented to the President by D. Brunnschweiler, Esq., M.Sc.Tech., F.T.I., A.M.I.Prod.E., Member of Council of The Textile Institute, for the award of the Warner Memorial Medal.

TEXTILE INSTITUTE JUBILEE AWARD

M. STEINER, Esq., Dipl.Mech.Eng., S.I.A., W. SCHNEIDER, Esq., Dipl.Mech.Eng., S.F.I.T., and E. PFARRWALLER, Esq., Dipl.Mech.Eng., will accept the award on behalf of past and present members of the staff of Sulzer Brothers Limited.

The introduction to the President will be made by W. Nutter, Esq., B.Sc., F.T.I., Member of Council of The Textile Institute.

S. G. SMITH MEMORIAL MEDAL

HUGO LEVIN RÖDER, D.Sc., F.T.I., will be presented to the President by J. W. S. Hearle, Esq., M.A., Ph.D., F.T.I., F.Inst.P., Member of Council of The Textile Institute, for the award of the S. G. Smith Memorial Medal.

SERVICE MEDAL

WILLIAM ATHERTON, A.T.I.,

will be presented to the President by C. Shrigley, Esq., F.T.I., for the award of the Service Medal.

JOHN CHARLES GUTHRIE, M.Sc., F.T.I., F.Inst.P.,

will be presented to the President by Mrs. M. A. Taylor, A.T.I., Chairman of the Manchester Section Committee, for the award of the Service Medal.

The late FRANK MILLARD, F.T.I.,

will be presented posthumously to the President by P. W. Carlene, B.Sc., Ph.D., F.R.I.C., F.T.I., F.S.D.C., Member of Council of The Textile Institute, for the award of the Service Medal.

COMPANIONS OF THE INSTITUTE

FRANK HEYWOOD, M.Sc.,

will be presented to the President by A. T. C. Robinson, Esq., M.Sc.Tech., F.T.I., a Vice-President of The Textile Institute, for Companion Membership of The Textile Institute.

REGINALD RAYNER CATTY, B.Com.,

will be presented to the President by J. F. Sebire, Esq., a Vice-President of The Textile Institute, for Companion Membership of The Textile Institute.

INSTITUTE MEDAL

JOHN CYRIL HERBERT HURD, F.T.I.,

will be presented to the President by R. M. Gimson, Esq., A.R.P.S., J.P., for the award of the Institute Medal.

HERBERT LESLIE PARSONS, B.Sc., F.T.I., F.R.I.C.,

will be presented to the President by H. P. Stout, Esq., B.A., Ph.D., F.T.I., A.Inst.P., for the award of the Institute Medal.

Professor JOHN JOSEPH VINCENT, M.Sc., M.Sc.Tech., F.T.I.,

will be presented to the President by Professor C. S. Whewell, B.Sc., Ph.D., F.R.I.C., F.T.I., F.S.D.C., a Vice-President of The Textile Institute, for the award of the Institute Medal.

FELLOWS OF THE INSTITUTE

CATHERINE MARGARET CAMERON DORKIN, M.Sc., Ph.D.
MAITLAND WALTON ALFORD, B.Sc., A.R.C.S., D.I.C., A.Inst.P.
TRAYTON WILLIAM GEORGE ASHDOWN, M.Sc.
RAYMOND SMITH ASQUITH, B.Sc., M.A., Ph.D., F.R.I.C., F.S.D.C.
DENNIS BABBS, B.Sc.Tech., A.T.I., A.M.C.T.
JAMES WILLIAM BELL, B.Sc., Ph.D., A.R.I.C.
DONALD BRAY, A.T.I.
FRANK HARRY BURKITT, M.Sc.
FREDERICK HENRY CARROTTE, A.M.I.Mech.E., L.T.I.
HAMISH McNAUGHTON ELDER, M.Sc., Ph.D., A.T.I., A.R.C.S.T., A.S.D.C., A.C.I., C.G.I.A.
ALFRED ELLIS
JOHN HOLDEN FAIRCLOUGH, J.P., A.T.I.
CYRIL HOWDEN, A.T.I.
STANISLAW EUGEN KALINOWSKI, A.T.I.
HENRY KIDACKI, M.Sc., A.T.I.
FRED KIDD, M.A., Ph.D., L.T.I.
FRANK MARSLAND, B.Sc., B.Sc.Tech., A.M.I.Mech.E., A.T.I., A.M.C.T.
GERALD GEORGE MILLER, B.Sc., A.T.I., A.Inst.P.
HANS OSKAR PULS, B.Sc., Ph.D., F.Inst.P.
ARTHUR RAYMOND SMITH, B.A., B.Sc., F.R.I.C.
PHILIP ARTHUR SMITH, B.Sc., Ph.D., A.T.I.
JOHN LIGHTFOOT SPENCER-SMITH, B.Sc., Ph.D., F.R.S.S.
GEORGE FREDERICK WHITBY, O.B.E., M.A., M.I.Mech.E.

will be presented to the President by J. Pollitt, Esq., B.Sc., F.T.I., Chairman of Diplomas Committee, for admission to Fellowship of The Textile Institute.

ASSOCIATES OF THE INSTITUTE

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MIKOLAJ MAGNEW
HEDLEY MATHER
RAYMOND JEFFREY MEADS
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MILAN MLADEK, B.Sc.
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JOHN MARTIN DAWSON PITTS, M.Sc.
CHRISTOPHER PRIESTLEY
CHRISTOPHER CEDRIC QUAYLE, B.Sc., Ph.D.

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COLIN ROBERT RICHARDSON, L.T.I.
DERRICK SHARROD, L.T.I.
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JOHN MICHAEL SHAW
ALAN SHENTON, A.S.D.C., A.M.C.T.
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JEREMY CLAYTON THOMSON
MARTIN CECIL TUBBS, B.Sc.Tech., A.M.C.T.
TIMOTHY JAMES WAREING, L.T.I.
STUART GRAHAM WATKINS
RAYMOND WHITEHEAD, L.T.I.
JAMES WHITTAKER, B.Sc., F.S.D.C.
PAUL WRIGHT, L.T.I.

will be presented to the President by Professor P. Grosberg, M.Sc. (Eng.), Ph.D., M.I.Mech.E., F.T.I., Chairman of the Examinations Board, for admission to Associateship of The Textile Institute.

G. F. Whitby, Esq., O.B.E., M.A., M.I.Mech.E., F.T.I., will propose a vote of thanks to the President and to the Speaker.

Dr. C. M. C. Dorkin, M.Sc., F.T.I., will second the vote of thanks.

The President will declare the Convocation at an end.

AMBASCIATA D'ITALIA

IL MINISTRO COMMERCIALE

LONDON, W. 1

14, THREE KINGS YARD

O/M.Z. 3390

23 ottobre 1968

Illustre Professore,

il Textile Institute di Manchester si è qui rivolto nei giorni scorsi per chiedere che un funzionario di questa Ambasciata La rappresenti - il 22 novembre 1968 - alla manifestazione nel corso della quale Ella verrà insignita della "Honorary Fellowship" dell'Istituto.

Si è provveduto a far presente al Textile Institute che questa Ambasciata sarà ben lieta di inviare un proprio funzionario alla cerimonia, ma che prima di prendere qualsiasi decisione sarebbe stato opportuno conoscere il Suo pensiero in argomento.

Le sarò pertanto grato se vorrà cortesemente comunicarmi se Ella abbia già designato un rappresentante o se questa Ambasciata possa aderire alla richiesta dell'Istituto.

Colgo l'occasione, Illustre Professore, per inviarLe i migliori saluti

(Enzo Malgeri)

Prof.Dr.Ing.Giulio Natta
Direttore dell'Istituto
di Chimica Industriale
Politecnico di Milano
Piazza Leonardo da Vinci 22
M i l a n o

RENÉ LECLERCQ
Docteur ès ~~Sciences~~ Ingénieur Civil
FLAT 16, MARLBOROUGH,
38/40, MAIDA VALE,
LONDON. W.9
TEL.: 289-0525

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
12 SET. 1968
396

Professeur G. Natta
Istituto di Chimica Industriale
del Politecnico
Piazza Leonardo da Vinci 32
20133 Milano
Italy

Londres, le 10 september 1968

Cher Monsieur,

386

Je vous remercie vivement de votre lettre du 5 septembre par laquelle vous acceptez de faire partie du Comité d'Honneur du groupement IDEE. Je vous enverrai une liste complète des membres de ce comité dès que possible, et vous tiendrai au courant du développement de cette organisation.

En attendant je vous prie de croire, cher Monsieur, à ma respectueuse considération.

R. Leclercq

Duplicate

le 5 septembre 1968

Monsieur R. Leclercq
Flat 16, Marlborough
38/40, Maida Vale
London, W,9

nos réf.386/eg

Cher Monsieur,

Le Prof. Pasquon m'a remis les documents que vous lui avez envoyés avec votre lettre du 30 Juillet 1968.

Je désire vous faire savoir que j'accepte avec beaucoup de plaisir de devenir membre du comité d'honneur de votre organisation.

En vous remerciant, je vous prie de croire en l'expression de mes sentiments les meilleurs.

G. Natta

RENÉ LECLERCQ
Docteur ès Sciences-Ingénieur Civil
FLAT 16, MARLBOROUGH,
38/40, MAIDA VALE,
LONDON. W.9
TEL.: 289-0525

Londres le 30 Juillet, 1968.

Professore I. PASQUON,
Cattedra Chimica Industriale,
Istituto Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

Cher Monsieur,

Je vous ai parlé de l'organisation, sans but lucratif, qui avait été formée en France pour l'étude de l'entreprise moderne. Je vous ai aussi dit que nous désirions former un Comité d'honneur. Je vous demande si vous voulez bien remettre les documents ci-joints au Professeur NATTA auquel nous avons songé comme l'un des membres de ce comité. Les autres membres sont des académiciens et des présidents de grandes sociétés de différentes nationalités. Les documents joints sont explicites.

Je vous prie de croire, Cher Monsieur, à mes meilleurs sentiments.

R. LECLERCQ.

IDÉE

ASSOCIATION POUR L'INNOVATION
ET LE DYNAMISME ÉCONOMIQUE DANS L'ENTREPRISE

85, AVENUE ÉMILE-ZOLA
PARIS 15e - TÉL. 828-89-89

Londres le 30 Juillet, 1968.

Monsieur le Professeur,

Un des principaux bureaux français de conseillers de direction, l'Organisation Yves BOSSARD et Pierre MICHEL, vient de créer une Association sans but lucratif, intitulée I.D.E.E. - Association pour l'Innovation et le Dynamisme Economique dans l'Entreprise.

Vous trouverez ci-joint une notice sur cette Association qui se propose de promouvoir dans les Entreprises françaises, l'esprit d'innovation qui leur permettra de vivre au rythme rapide qu'impose l'évolution du monde actuel.

Au sein de cet organisme il est prévu de constituer un Comité d'Orientation Scientifique réunissant les grands noms et les plus hautes compétences, tant françaises qu'internationales, de la Science, des Techniques, de l'Industrie et de l'Economie. Il s'agit de mettre en commun des connaissances, des méthodes et des styles de pensée de courants intellectuels de diverses origines qui tous apporteront leur contribution à l'élaboration d'une synthèse originale adaptée au contexte français.

Dépassant les techniques trop statiques de l'organisation classique, l'Association se propose d'être l'initiatrice de recherches et d'expériences pour la création d'une véritable "dynamique" industrielle.

Cet objectif, nous souhaiterions vivement que vous nous aidiez à l'atteindre en apportant le précieux appui de votre concours et de votre nom dans le cadre du Comité d'Orientation Scientifique de l'Association dont vous seriez ainsi membre d'honneur.

Je vous serais reconnaissant d'envoyer votre réponse à l'adresse suivante: R. LECLERCQ, Flat I6 - Marlborough,
38/40, Maida Vale. London, W.9.

Je vous prie de croire, Monsieur le Professeur, à mes salutations très distinguées.

R. LECLERCQ.

I. D. E. E.

ASSOCIATION POUR L'INNOVATION ET LE DYNAMISME ECONOMIQUE DANS L'ENTREPRISE

POURQUOI ?

L'Association I.D.E.E. a été créée par un groupe de Conseillers de Direction qui ont pris conscience de l'urgence d'une action massive et concertée pour promouvoir l'esprit d'innovation dans les Entreprises françaises.

Pour survivre dans le monde moderne en perpétuelle évolution, ces Entreprises doivent réformer leurs méthodes de pensée et d'action et modifier leurs structures. Il s'agit de susciter au sein de chacune d'elles un état d'esprit dynamique apte à combattre toutes les routines et tendu en permanence vers l'amélioration et la création.

QUI ?

Dans cette perspective, l'Association rassemble des hommes et des organismes dont les compétences diverses doivent concourir au succès de l'effort à entreprendre en commun.

Les cadres dirigeants et les économistes, les universitaires et les savants, les techniciens et les spécialistes des questions sociales, qu'ils soient hommes d'action ou chercheurs intellectuels, tous peuvent apporter à l'oeuvre commune leurs connaissances, leurs méthodes et leur style de pensée.

L'Association comprend un Comité d'Orientation Scientifique réunissant les plus grands noms et les plus hautes compétences, tant françaises qu'internationales, de la Science, des Techniques, de l'Industrie et de l'Economie. Ce Comité patronne et oriente les travaux de l'Association.

COMMENT ?

Le programme d'action de l'Association est entièrement orienté vers la promotion d'une gestion dynamique des entreprises, adaptée au rythme rapide de l'évolution du monde actuel.

../..

Il comporte plusieurs volets :

1° - Rassemblement et mise en forme de la documentation relative à cette promotion : beaucoup de choses ont déjà été faites, pour ne pas avoir à les refaire il faut rassembler les renseignements concernant les expériences en cours en France, aux U.S.A. et dans bien d'autres pays de l'Ouest et de l'Est et les mettre en forme pour réaliser une information utilisable.

Cette documentation sera à la disposition de tous les membres de l'Association.

2° - Etude des problèmes que pose l'introduction dans les Entreprises françaises de structures orientées vers l'innovation.

Mise au point des méthodes originales adaptées au contexte français.

Il s'agit de dépasser les techniques classiques, trop statiques, de l'organisation du travail et de développer en un corps de doctrine cohérent toutes les techniques nouvelles :

- d'information : flux informationnel, documentation euristique, statistique appliquée, enquêtes psychosociologiques, etc..
- de conception : recherche des idées (matrices de découverte, arbre de pertinence, brainstorming, etc...)

  ingénierie du produit (développement intégré du produit, analyse de la valeur, esthétique industrielle, etc...)

  ingénierie de la vente : techniques de conquête des marchés.
- de prise de décision : structure dynamique, simulation, recherche opérationnelle, choix des investissements, etc...

3° - Expérimentation et mise au point de ces méthodes dans un certain nombre d'entreprises-pilotes.

Formation d'équipes opérationnelles d'Ingénieurs-Conseils, de chercheurs et de techniciens, capables de promouvoir dans les Entreprises les méthodes nouvelles préconisées en les adaptant aux cas concrets.

4° - Action de propagande auprès des Entreprises françaises par des journées d'information, des cercles d'étude, des publications. En particulier, publication périodique de "Cahiers" traitant successivement des divers aspects de l'innovation : structure dynamique de l'entreprise, créativité, planning à long terme, techniques de choix, recherche, développement des nouveaux produits, conquête des marchés nouveaux, etc...

Ces"Cahiers" ne seront pas conçus comme des exposés théoriques mais au contraire, s'appuyant sur la doctrine, ils donneront des méthodes pratiques d'action. Ils seront distribués à tous les membres de l'Association et serviront également à diffuser dans l'industrie française les résultats des travaux de l'Association.

EXTRAIT DES STATUTS DE L'ASSOCIATION I.D.E.E.

art.1 Il est fondé entre les adhérents aux présents statuts une association régie par la loi du 1er juillet 1901 et le décret du 16 août 1901, ayant pour titre : I.D.E.E. association pour l'INNOVATION et le DYNAMISME ECONOMIQUE dans l'ENTREPRISE.

art.2 Cette association a pour but :

- la promotion d'une gestion dynamique des entreprises adaptée au rythme rapide de l'évolution du monde actuel
- le rassemblement et la mise en forme de la documentation relative à cette promotion
- l'étude des problèmes qui se posent dans ce domaine
- l'encouragement et la participation à des recherches et à des expériences
- la diffusion du résultat de ces travaux

et, d'une façon générale

- toutes actions se rapportant aux objets précédents.

art.4 L'association se compose de :

- membres d'honneur
- membres bienfaiteurs
- membres adhérents

art.5 Les membres d'honneur sont des personnalités de grande notoriété et de haute compétence scientifique, économique ou industrielle. Ils constituent le Comité d'Orientation Scientifique de l'Association et ne paient pas de cotisation.

art.6 Les membres adhérents sont des personnes physiques ou morales qui ont pris l'engagement de verser une cotisation annuelle fixée par l'Assemblée Générale et dont le montant initial est de 50 F.

A partir de la deuxième année d'existence, il pourra être demandé aux nouveaux adhérents un droit d'entrée dont le montant sera fixé par l'Assemblée Générale.

art.7 Les membres bienfaiteurs sont des personnes physiques ou morales qui ont pris l'engagement de verser une cotisation annuelle au moins égale à 5 fois celle des membres adhérents.

art.10 L'Association est dirigée par un conseil de membres, élus pour 2 années par l'Assemblée Générale. Les membres sont rééligibles. Le conseil d'administration choisit parmi ses membres, au scrutin secret, un bureau composé de :

- un président
- un ou plusieurs vice-présidents
- un secrétaire et, s'il y a lieu, un secrétaire adjoint
- un trésorier et, si besoin est, un trésorier adjoint

Le conseil étant renouvelé chaque année par moitié, la première année les membres sortants sont désignés par le sort. En cas de vacances, le conseil pourvoit provisoirement au remplacement de ses membres. Il est procédé à leur remplacement définitif par la prochaine Assemblée Générale. Les pouvoirs des membres ainsi élus prennent fin à l'époque où devrait normalement expirer le mandat des membres remplacés.

o°o

Telephone Numbers BLAckfriars 1457 (2 lines)
„ 8457 (3 lines)

By Royal Charter 1925

The Textile Institute

10 Blackfriars Street · Manchester 3

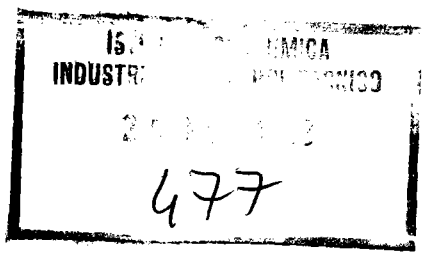
President: R. J. KERR-MUIR, O.B.E., T.D., M.A., B.Sc.

General Secretary: D. B. MOORE, B.A., M.B.I.M.

Ref: 0020/203

21st November 1968

Professor Giulio Natta, Dr. Ing., F.T.I., (Hon.)
Director,
Institute of Industrial Chemistry,
Polytechnic of Milan,
Piazza Leonardo Da Vinci 32,
Milan,
Italy.



Dear Professor Natta,

We are extremely sorry that you are unable to attend Convocation to receive the Honorary Fellowship of the Institute, and do hope that you will soon be restored to the best of health.

In the December edition of 'The Textile Institute and Industry', I shall be publishing a full report, of the Convocation ceremony, including the citation for your award, and photographs of the various dignitaries and award recipients will be included. Most of the photographs will be taken here at the Institute. To complete the feature, would you please let me have a photograph of you; the size or quality is not very important as we have a very good engraver. I should like to receive this by Monday, December 2nd, to catch the December issue.

With our very best wishes

Yours sincerely,

E.L. Love,
Editor,
'The Textile Institute and Industry'

ELL/JEH

Oct. 28, 1968

Dr. D.B.Moore, General Secretary
The Textile Institute
10 Blackfriars Street,
Manchester M3 5DR (Inghilterra)

448

Dear doctor Moore,

Thank you for your kind letter of Oct. 21. I am today writing to Mr. Malgeri, who wrote to me a few days ago, informing him that I will be very pleased if they send a Member of the Embassy to receive the award for me.

I mostly regret that my state of health prevents me from coming and meeting you and the President of the Institute personally.

I feel much honoured at having been chosen for such anaward. My sincerest thanks to you and to anyone has selected me.

Sincerely yours,

Giulio Natta

Telephone Numbers BLAckfriars 1457 (2 lines)
„ 8457 (3 lines)

By Royal Charter 1925

The Textile Institute

10 Blackfriars Street · Manchester M3 5DR

President: R. J. KERR-MUIR, O.B.E., T.D., M.A., B.Sc.

General Secretary: D. B. MOORE, B.A., M.B.I.M.

21st October, 1968.

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
23 OTT. 1968
448

Our Ref: 0013/6

Professor Dr. Ing. Giulio Natta,
Director,
Institute of Industrial Chemistry,
Polytechnic of Milan,
Piazza Leonardo da Vinci, 32,
Milan,
ITALY.

Dear Professor Natta,

Thank you very much indeed for your letter of 23rd September. We are delighted to know that you are pleased with the Honorary Fellowship of The Textile Institute, but extremely sorry to learn that your health will prevent you from attending to receive the award from the hands of our President.

With the thought in mind that you might like to be represented at Convocation, I have been in touch with your Embassy in London and asked them whether they would be prepared to send a high ranking member of the Embassy to receive the award for you, and to forward it to you in the Diplomatic Bag.

I am today writing to Mr. Malgeri, the Commercial Minister at the Embassy, whom I saw last week, to find out if this would be a welcome suggestion, and I understand he will get in touch with you.

I am so sorry that we will not have the pleasure of meeting you on this occasion.

With kind regards,

Yours sincerely,

General Secretary

Sept. 23, 1968

D.B.Moore, B.A., M.B.I.M.
General Secretary,
The Textile Institute
10 Blackfriars Street,
Manchester 3, Inghilterra

your ref. 0013/6
our ref. 406/lmv

Dear doctor Moore,

I am extremely honoured at having been elected a Honorary Fellow of the Textile Institute.

To my regret I have to inform you that, due to my state of health I shall not be able to come to Manchester to receive the Honorary Fellowship personally. I hope that this will not inconvenience you too much.

I look forward to hearingffrom you on this matter, and send you, with my sincerest thanks, kindest personal regards.

Giulio Natta

Telephone Numbers *BLAckfriars 1457 (2 lines)*
„ 8457 (3 lines)

By Royal Charter 1925

The Textile Institute

10 Blackfriars Street · Manchester 3

President: R. J. KERR-MUIR, O.B.E., T.D., M.A., B.Sc.

General Secretary: D. B. MOORE, B.A., M.B.I.M.

18th September, 1968.

Our Ref: 0013/6

STRICTLY CONFIDENTIAL

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
1968
406

Professor Dr. Ing. Guilio Natta,
Director,
Institute of Industrial Chemistry,
Polytechnic of Milan,
Piazza Leonardo da Vinci 32,
Milan,
ITALY.

Dear Professor Natta,

I am sure you will be very pleased indeed to learn that the Council of The Textile Institute, at its meeting today, unanimously decided to elect you to Honorary Fellowship of the Institute.

We all sincerely hope you will feel able to accept this. The Honorary Fellowship is the highest honour which the Institute gives. It is made in recognition of major advances in textile technology or science by an individual as a result of hard work for many years, and is to be awarded for your work with polypropylene.

The presentation of the Honorary Fellowship will be made at the Convocation of the Institute, which will be held on Friday, 22nd November, 1968, at the Friends' Meeting House, Mount Street, Manchester. We

/2.....

Professor Dr. Ing. Guilio Natta,
Polytechnic of Milan,
MILAN.

18th September, 1968.

hope you can attend Convocation, to receive your Honorary Fellowship from the hand of our President.

I would like to be the first to offer my very sincere congratulations to you on this well deserved award.

Yours sincerely,

General Secretary

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
30 SET. 1968

62 Nab Wood Crescent
Shipley
Yorkshire
England.
23rd Sept 1968

Professor Giulio Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci, 32
Milano, Italy.

Dear Professor Natta,

Thank you for your telegram of sympathy in the sad death of my husband, Professor Moore. I shall miss him terribly & he will be a great loss to Polymer Chemistry. He devoted his life to his work, nothing was too much trouble. He

literally gave his life for his work.

I have had some wonderful letters & messages, which will help me to bear this great loss.

Thank you for your kindness,

Yours sincerely

Eileen Mumore

UNIVERSITY OF BRADFORD

SCHOOL OF POLYMER SCIENCE

Vice-Chancellor and Principal
E G Edwards PhD FRIC

Bradford 7 Telephone 29567/33466

Please quote ref RPS/WR

13th September, 1968

Professor G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci, 32,
Milan, Italy.

Dear Professor Natta,

I should like to acknowledge your kind telegram of sympathy. Your condolences have been passed to Mrs. Moore.

Yours sincerely,

R. P. Sheldon

Senior Lecturer in Polymer Science

Zoppi

July 8, 1968

Professor W.R. Moore
University of Bradford
Bradford 7, York

our ref.336/eg

a Zoppi

Dear Professor Moore,

Your very kind letter of June 24 was very gratefully received. Have all my personal thanks for kindly accepting Dr. Zoppi, who is very happy to come to your school and thanks you very much indeed for whatever help you will give him.

Dr. Zoppi will write to you directly concerning the details of his visit.

Kindest regards

G. Natta

June 20, 1968

Prof.W.R.Moore
School of Polymer Science
Bradford 7, York (Inghilterra)

our ref. 322/lmv

Dear Professor Moore,

Dr. Francesco Zoppi works at this Institute as a researcher of the Italian National Council for Research.

It is dr.Zoppi's desire to spend about three months in England to get in touch with an Institute specialized in problems concerning the viscosity of polymers, to improve his English and in general to acquire some knowledge of your methods and organisations.

On this purpose, Dr. Zoppi would like to spend that period at your Institute. He realises that a three-month time is relatively short; however, he trusts he will give the least possible trouble to your co-workers.

At my Institute, dr. Zoppi has acquired some experience mainly in the ultracentrifuge and viscosimetric methods in solution, which he will gladly place at your disposal.

We will completely support his expenses.
In view of his stay in England, dr.Zoppi will also deny himself the summer holidays he usually spends in Italy.

We would highly appreciate your considering this request with a particular favour. Dr. Zoppi will be free to come from July 1: however, if you agree with our request, he might start his stage when you think more convenient.

Looking forward to hearing from you, I wish to thank you for your attention on this matter. On my side, I thought it worth while encouraging the scientific and human interests of a good co-worker of mine.

Kindest regards,

Giulio Natta

P.S. For further information, I herewith enclose a short currinulum of dr.Zoppi.

UNIVERSITY OF BRADFORD

Bradford 7 Telephone OBR4 29567

Postgraduate School of Studies in
Polymer Science
Chairman Professor W R A D Moore
MBE BSc PhD FRIC FPI

Restituire Sig.ra Lamea (archiviare)

Please quote ref WRM/GVH
24th June 1968

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
27 GIU. 1968
336

Professor G. Nata,
Instituto di Chimica Industriale
del Polilecnico,
Piazza Leonardo Da Vinci 32,
20133 Milano,
ITALY.

Dear Professor Nata,

Many thanks for your letter regarding Dr. Zoppi. I would be very happy to have Dr. Zoppi for three months in this school and we will endeavour to give him as much help and information as he requires and if he wishes to make any visits to other Polymer Schools and Institutes in this country, we will arrange these.

I note that Dr. Zoppi would be free to come from 1st July, however, since I shall be engaged with examinations and meetings until 22nd July perhaps it would be better if he could arrange to arrive on or about that time. Perhaps Dr. Zoppi would get in touch with me regarding accommodation and his precise time of arrival. I am very happy to be able to help in this way.

Kindest regards.

Yours sincerely,

WRMoore

W. R. Moore
Professor of Polymer Science

Mostrare a Zoppi

fatta fotocopia per Zoppi

June 20, 1968

Prof.W.R.Moore
School of Polymer Science
Bradford 7, York (Inghilterra)

our ref. 322/lmv

Dear Professor Moore,

Dr. Francesco Zoppi works at this Institute as a researcher of the Italian National Council for Research.

It is dr.Zoppi's desire to spend about three months in England to get in touch with an Institute specialized in problems concerning the viscosity of polymers, to improve his English and in general to acquire some knowledge of your methods and organisations.

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Looking forward to hearing from you, I wish to thank you for your attention on this matter. On my side, I thought it worth while encouraging the scientific and human interests of a good co-worker of mine.

Kindest regards,

Giulio Natta

P.S. For further information, I herewith enclose a short currinulum of dr.Zoppi.

53 HAREFIELD AVENUE
CHEAM
SURREY
ENGLAND

17/5/68

Dear Sir,

I would be very grateful if you could please autograph the enclosed card for my collection which includes 'Nobel' winners.

Thank you very much & good luck always.

Yours faithfully

Michael Pinchbeck

20133

March 5, 1968

Dr. E. P. Sandor
Dept. of Physics,
Queen Mary College,
(University of London)
Mile End Road,
London E.1. (Inghilterra)

our ref. 563/lmv

Dear doctor Sandor,

Thank you for kindly sending me the reprints of your papers on the crystal structure and phase transformation of solid HCl and DCl, which I read with interest.

I shall be very glad to read all other papers you will send me.

Sincerely yours,

Giulio Natta

QUEEN MARY COLLEGE
(UNIVERSITY OF LONDON)
MILE END ROAD · E·1
TELEPHONE · ADVANCE 4811

EES/MR

17th October, 1967

INDUSTRIALE DEL POLITECNICO
23 OTT. 1967
563

Professor G.Natta,
Instituto di Chimica Industriale,
Politecnico di Milano,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

Dear Professor Natta,

I am sending you two reprints on the crystal structure and phase transformation of solid HCl and DCl. They are the first reports on our X-ray and neutron diffraction studies carried out on these compounds at different temperatures from 4° K upwards. A comprehensive paper on these investigations is in preparation.

Since you pioneered the X-ray studies of hydrogen halides, I thought you may be interested in our results. If you wish, I will be glad to send you further reprints on our work. The next paper due for publication will deal with the crystal structures and phase transformations of solid HBr and DBr. There are several more papers in the pipe-line.

Yours sincerely,

E.E.SÁNDOR
Department of Physics

Jan.11, 1968

Prof.M.C.R.Symons,
Dept. of Chemistry,
The University,
Leicester (Inghilterra)

our ref.660/lmv

Dear Professor Symons,

Thank you very much for inviting Dr. Gallazzi to your chemistry Dept. and for purposing to teach her as much as possible about the technique of electron paramagnetic resonance.

Again, sincerest thanks and kindest regards.

Yours sincerely,

Giulio Natta

M. C. R. Symons
Professor of Physical Chemistry
Telephone 50000



DEPARTMENT OF CHEMISTRY
THE UNIVERSITY
LEICESTER

660

Professor G. Natta,
Istituto di Chimica Industriale
Politecnico,
Piazza Leonardo da Vinci, 32,
MILANO,
Italy.

20th December, 1967

Dear Professor Natta,

I have been asked to write to you regarding Maria Carla Gallazzi whose husband is studying Biochemistry in this University. He is very keen that his wife should come to Leicester and I am writing to tell you that I would be delighted to have her here in the Chemistry Department and would gladly undertake to teach her as much as possible about the technique of electron paramagnetic resonance. I very much hope that it will be possible for you to arrange this visit, and I look forward to seeing Maria Gallazzi.

Please let me know if there is anything I can do that will facilitate matters.

With best wishes,

Yours sincerely,

M. C. R. Symons

1967

COMPREHENSIVE CHEMICAL KINETICS

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EDITORS

Professor C. H. Bamford, F.R.S.
Dr. C. F. H. Tipper

Department of Inorganic,
Physical and Industrial Chemistry,
The Donnan Laboratories,
Vine Street,
Liverpool 7, Great Britain

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Prof. G. Gee
Prof. P. Goldfinger
Prof. G. S. Hammond
Prof. W. Jost
Prof. G. B. Kistiakowsky
Prof. V. N. Kondratiev
Prof. K. J. Laidler
Prof. M. Magat
Prof. Sir Harry Melville
Prof. G. Natta
Prof. R. G. W. Norrish
Prof. S. Okamura
Prof. Sir Eric Rideal
Prof. N. N. Semenov
Prof. Z. G. Szabó
Prof. V. V. Voevodskii
Prof. O. Wichterle

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
26 LUG. 1967
464

CHB/JAB.

21st July, 1967.

Dear Professor Natta,

I enclose a copy of the provisional scheme for Section 4 (Organic Reactions) of "Comprehensive Chemical Kinetics". This is, of course, an enormous field and we hope that we have covered it fully and have found a reasonable way to split it up. Despite our desire to avoid any mechanistic implications we have felt compelled under the circumstances to use the terms, nucleophilic and electrophilic.

We would be most grateful for any comments and suggestions.

With kind regards,

Yours sincerely,

C.H. Bamford.

Professor G. Natta,
Institute Di Chimica Industriale, Del
Politecnico,
Piazza Leonardo Da Vinci 32,
Milano.

August 31, 1967

Dr. C.H. Bamford
COMPREHENSIVE CHEMICAL KINETIC
Department of Inorganic,
Physical and Industrial Chemis
The Donnan Laboratories
Vine Street
Liverpool 7, Inghilterra

our ref.464/eg

Dear Doctor Bamford,

This is in reply to your letter of July 21 concerning the provisional scheme for "Comprehensive Chemical Kinetics".

I agree with the program and subdivision of the topic.

However, I would suggest to include a chapter on the reaction of polymerization leading to the production of polymeric macromolecules. This is a topic of great importance, both from the theoretical and practical point of view. Therefore it should be described in detail - particularly as to the processes leading to the synthesis of products of practical interest.

Kindest regards.

G. Natta

THE UNIVERSITY OF LIVERPOOL

From :
PROFESSOR C. H. BAMFORD,
TELEPHONE : ROYAL 6022
Extension 310

DEPARTMENT OF
INORGANIC, PHYSICAL AND INDUSTRIAL CHEMISTRY
THE DONNAN LABORATORIES
VINE STREET, LIVERPOOL, 7

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
- 9 OTT. 1967

CHB/JAB.

5th October, 1967.

Dear Professor Natta,

Thank you for your letter of 31st August. Dr. Tipper and I are pleased that you agree with the proposed scheme for Section 4 of "Comprehensive Chemical Kinetics". Polymerization is certainly not being forgotten! In fact, it is to have a section (5 or 6) to itself (probably two volumes).

The publishers are at work on Volume 1, which should be out early in 1968. From then on we hope that further volumes will follow in reasonably rapid succession.

Very kind regards,

Yours sincerely,

C.H. Bamford.

Professor G. Natta,
Instituto di Chimica Industriale
del Politecnico,
Piazza Leonardo Da Vinci, 32,
Milano,
Italy.

THE UNIVERSITY OF LIVERPOOL

From:
PROFESSOR C. H. BAMFORD, F.R.S.
TELEPHONE: ROYAL 6022
Extension 310

DEPARTMENT OF
INORGANIC, PHYSICAL AND INDUSTRIAL CHEMISTRY
THE DONNAN LABORATORIES
VINE STREET, LIVERPOOL, 7

CHB/JAB.

10th January, 1967.

Dear Professor Natta,

Thank you for your letter of 14th December last.

Dr. Tipper and I are very pleased to hear you agree in general with our proposed scheme for Section 3 of "Comprehensive Chemical Kinetics". Only homogeneous reactions will be dealt with in this section as you surmised.

With kind regards,

Yours sincerely,

C.H. Bamford.

Professor G. Natta,
Instituto Di Chimica Industriale
Del Politecnico,
Piazza Leonardo Da Vinci 32,
Milano.

Implicit.

Dec.14, 1966

Dr.C.H.Bamford, F.R.S.
Dept.Inorganic, Physical & Industrial Chemistry,
The Donnan Laboratories,
Vine Street,
Liverpool 7 (Inghilterra)

our ref.600/lmv

Dear doctor Bamford,

This is in reply to your letter of Nov.15. On the whole, I agree with the scheme you propose for Section 3 (Volumes 6 and 7) of "Comprehensive Chemical Kinetics" on "Inorganic Reactions", provided that Vol.6 just deals with completely homogeneous reactions. I believe that the reactions among fluids catalysed by solids will be considered in another section.

Kindest regards,

Giulio Natta

COMPREHENSIVE CHEMICAL KINETICS

PUBLISHERS: ELSEVIER PUBLISHING COMPANY - P.O. BOX 211 - AMSTERDAM

EDITORS

Professor C. H. Bamford, F.R.S.
Dr. C. F. H. Tipper

Department of Inorganic,
Physical and Industrial Chemistry,
The Donnan Laboratories,
Vine Street,
Liverpool 7, Great Britain

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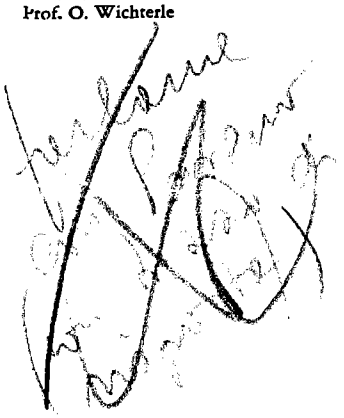
Z. G. Szabó
V. V. Voevodskii
Prof. O. Wichterle



600

15th November, 1966.

Dear Professor Natta,

I enclose our tentative scheme for Section 3 (Volumes 6 and 7) of "Comprehensive Chemical Kinetics" on "Inorganic Reactions". As you may imagine it has proved difficult to obtain reasonable limitation and classification in this field, and Dr. Tipper and I would be most grateful for any comments and suggestions for improvement.

I might take this opportunity ~~to~~ say that manuscripts of articles for the first three volumes have begun to arrive, and we hope that publication of the series will start in the not-too-distant future.

Yours sincerely,

C.H. Bamford.

C.H. Bamford.

Professor G. Natta,
Institute di Chimica Industriale del
Politecnico di Milano,
MILAN,
Italy.

COMPREHENSIVE CHEMICAL KINETICS.

Section 3 - Inorganic reactions

This section deals with reactions in which (a) non-metallic inorganic elements or compounds are involved (Volume 6) and (b) in which metals and metallic salts and complexes are involved (Volume 7). Where appropriate one reactant may be an organic substance, but there is no discussion of flames, reactions involving unstable ions, e.g. N_2^+, fully heterogeneous or solid reactions, or processes for which only products have been determined and no rate data are available. Also polymerization and autocatalytic oxidations (and combustion) e.g. H_2/O_2, hydrocarbons/O_2, are considered later.

Any particular type of reaction is dealt with under the entire range of conditions studied, viz. induced thermally, photochemically or by photosensitization, by high energy radiation, in gas-phase, liquid and solution. Rate coefficients, activation energies and pre-exponential factors of overall reactions and also of elementary processes involved, when appropriate and available, given. Reliability of data, errors, etc. discussed.

Volume 6 - Reactions of non-metallic inorganic substances

1. Oxidations involving molecular O_2 or O_3 and inorganic substances.
2. Oxidations involving nitrogen oxides and inorganic substances.
3. Other reactions involving halogen, nitrogen, sulphur compounds etc., e.g. H_2 + halogens.
4. Reactions of negative inorganic ions, e.g. I^-, $S_2O_8^=$.
5. Reactions of positive inorganic ions - proton transfer.

Volume 7 - Reactions of metals, metallic salts and complexes

1. Reactions of metals in gas phase (and solution ? liquid NH_3), e.g. + halides.
2. Reactions of stable complexes - isomerization and group transfer.
3. Reactions involving only stable oxidation states of metals, e.g. Fe^{II}/Fe^{III}, and inorganic and organic compounds.
4. Reactions involving unstable oxidation states of metals, e.g. Co^{III}, with inorganic and organic compounds.

N.B. 2, 3 and 4 to include isotopic exchange reactions.

THE UNIVERSITY OF MANCHESTER
MANCHESTER. 13.

6th April 1967

FROM
PROFESSOR G. GEE. C.B.E., F.R.S.
SIR SAMUEL HALL PROFESSOR OF CHEMISTRY.

TELEPHONE ARDWICK 3333

Professor G. Natta,
Istituto di Chimica Industriale Politecnico,
Piazza Leonardo da Vinci, 32.
MILAN Italy

Dear Professor Natta,

It was a great pleasure to renew our acquaintance on Monday last and I should like to thank you for permitting me to visit your Institute.

My wife joins me in warmest thanks to you and your wife for entertaining us so kindly to lunch.

Yours sincerely,

Espresso

Ufficio Speciale III°

Pos.1 Legge

Il Rettore del Politecnico
di = M I L A N O =

22 marzo 1967

2197

Oggetto: Scambio di visite di professori universitari tra l'Italia e la Gran Bretagna.- Anno accademico 1966/67.=

e, per conoscenza:

Al Ministero Affari Esteri - D.G.R.C.-Uff.I° = R O M A =

Al British Council - Via Quattro Fontane,20 = R O M A =

Al Rettore della Università di = G E N O V A =

In riferimento alla nota sopra distinta si comunica che da parte di questo Ministero nulla osta a che il Prof. G.GEE, recandosi presso l'Università di Genova nel quadro dello scambio in oggetto, e stenda la propria visita anche a codesto Istituto di Chimica Industriale.

Si fa presente in proposito che le spese relative al soggiorno del docente inglese in Milano saranno a carico di codesto Politecnico.

Si resta in attesa di ricevere; a suo tempo, cortesi notizie in merito allo svolgimento della visita del Prof.GEE.

IL MINISTRO

Dec.18, 1967

20133

Dr.T.P.Melia
Dept. of Chemistry
University of Salford
Salford 5, Lancashire (Inghilterr

our ref.522/lmv

Dear doctor Melia,

I apologize for my delay in answering your letter of Sept.27, and thank you for kindly sending me the manuscript of your paper, which I read with interest.

Under separate cover, I send you six samples of ethylene-propylene copolymers prepared in the laboratories of Montecatini Edison. A table describing them is herewith enclosed. I hope they will suit you for your research and will appreciate your letting me know the results obtained.

Sincerely yours,

Giulio Natta

Encl/ 1 table

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
- 3 OTT. 1967
522

University of Salford

Salford 5, Lancashire

Department of Chemistry
and Applied Chemistry

Professor of Chemistry
G R Ramage
(Chairman of Department)

Professor of
Physical Chemistry
W J Orville-Thomas

Telephone
061-736 5843

Professor G. Natta,
Institute of Industrial Chemistry,
Polytechnic of Milan,
Milan,
Italy.

September 27th., 1967.

Dear Professor Natta,

I have recently measured the heat capacity of a random ethylene-propylene copolymer containing 31 mole. per cent propylene and am enclosing a copy of a publication intended for 'Die Makromolekular Chemie' for your retention.

It is my intention to continue my studies on the thermal properties of ethylene-propylene copolymers. However, I have little experience of the preparation of these rubbers and should be grateful if you would supply me with any of these copolymers which you have available. I am particularly interested in studying the effect of the nature, composition and distribution of the co-monomer units on thermal properties. Thus, I would like to receive samples of about 30 grammes of any well characterised ethylene-propylene copolymers or other ethylene-α-olefine copolymers which you have available.

I trust that you do not consider this request presumptious. I can assure you that we will let you have access to the results obtained prior to publication.

Thanking you in anticipation.

Yours sincerely,

Dr. T. P. Melia.

TPM/KMM

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
- 3 OTT. 1967
522

University of Salford
Salford 5, Lancashire

Department of Chemistry
and Applied Chemistry

Professor of Chemistry
G R Ramage
(Chairman of Department)

Professor of
Physical Chemistry
W J Orville-Thomas

Telephone
061-736 5843

Professor G. Natta,
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I trust that you do not consider this request presumptious. I can assure you that we will let you have access to the results obtained prior to publication.

Thanking you in anticipation.

Yours sincerely,

Dr. T. P. Melia. TPM/KMM

THE INTERNATIONAL POLYMER JOURNAL

Telegrams & Cables: PICKETT, TENTERDEN

Rubber and Plastics Age

EDITORIAL OFFICE
TENTERDEN, KENT
ENGLAND

Proprietors: Rubber & Technical Press Limited

Telephone: TENTERDEN 2184

YOUR REF.:

OUR REF.: AJP/HI

16th March, 1967.

185

Professor G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
Milan,
Italy.

Dear Professor Natta,

I have now returned home after my holiday and I am writing to thank you for your kind hospitality. It was a great pleasure to meet you again.

I have checked with my office and they have not yet received the article on Trans 1,4 Polybutadiene; I shall look forward to seeing it as soon as it is ready.

This is also to inform you that the 4th International Synthetic Rubber Symposium will be held in London in October 1969 and to invite your Organisation to contribute a lecture. As in previous years we are asking for original scientific contributions on unpublished work.

With best personal regards,

sincerely,

Alan Pickett

LONDON OFFICE (*Advertisement & Circulation Departments*): 25, Lloyd Baker Street, London, W.C.1, England
Tel.: BRUnswick 1125

March 15, 1967

Dr.Alan Pickett
Rubber and Plastics Age
Tenterden (Kent) - Inghilterra -

our ref.172/lmv

Dear doctor Pickett,

Thank you very much for your kind letter of Feb.23. I too have been very glad to meet you in Milan and wish to congratulate upon you for your journal "Rubber and Plastics Age", which stands high in everybody favour, also of the non English-speaking public.

I am glad to learn that the 4th International Synthetic Rubber Symposium will be held in London in 1969. Although the time is still distant and I cannot make detailed programs for that time, I do hope to be able to participate in it. In any case, some co-workers of mine will be certainly present.

Thank you very much for the very welcome wishes for my birthday.

Rosita joins me in sending you and Margaret kindest regards.

Giulio Natta

Pom

C. C. I. Milano 394834

Telegrammi AMERICOTEL - MILANO

American
HOTEL

via finocchiaro aprile, 2 - tel. 666.441 - 635.945

MILANO 23rd February 1967

Dear Professor Natta,

It was a very great pleasure to meet you again yesterday, and I want to thank you for your kind hospitality. I was so delighted to see what an active interest you take in the research work that takes place at the Polytechnic Institute and elsewhere - your colleagues are very fortunate to have the benefit of your wisdom and advice. I was also glad that you are able to do so much travelling to places like Celenia and Rome.

We expect to hold the 4th International Synthetic Rubber Symposium in London in 1969 and I hope that you and your colleagues will be able to present a paper on one of your latest projects. We are planning to hold the meeting in October of 1969. Your Institute will receive an official invitation in due course.

I am really writing to wish you what we call in England "Many Happy Returns of your Birthday." I send you my warmest greetings and express to you my admiration for your tremendous achievements and courage.

With best personal regards to
you and Rosita,
as ever,
Sincerely,
Alan

P.S. I am sending this from Milan because the post from Zermatt is so slow.

Jan.4, 1967

Dr.Alan Pickett,
Editorial Office,
Rubber & Plastics Age,
Tenterden, Kent (Inghilterra)

your ref.AJP/HM
our ref.4/lmv

Dear doctor Pickett,

Thank you very much for your letter of Dec.30 and for kindly sending me Rutin-T.

As to our our article on Trans-1,4 Polybutadiene, we will be very pleased to send you its shortened version by March 1, 1967.

Accordingly to your request, I send you herewith enclosed a list of the awards I have received.

With best wishes for 1967, I send you kindest personal regards.

Giulio Natta

(dictated by Prof.Natta
and sent in his absence)

Encl/

Prof.Natta's awards

- Cabinet prize of the Accademia Nazionale dei Lincei.
- "Cagnola" prize of the Istituto Lombardo di Scienze e Lettere.
- Royal prize of the Accademia Nazionale dei Lincei.(1943)
- Golden Medal of the Commune of Milan, as Well Deserving Citizen (1960).
- Gold Medal of the President of the Italian Republic as Well Deserving of School, Culture and Art (1961).
- 1st International Synthetic Rubber Gold Medal, awarded by Rubber and Plastics Age (1961).
- Gold Medal of the District of Milan (1962).
- International Award in Plastics Science and Engineering (New York) (1963).
- Perkin Medal of Dyers and Colourists of England (1963).
- Big Gold Medal of the Commune of Milan (1963).
- Nobel Prize for Chemistry (a share with Prof.K.Ziegler) (1963).
- John Scott Award of the Board of Directors of the City Trust of Philadelphia (1963).
- Gold Medal of the Union of Italian Chemists (1964).

Honorary Degrees :

from: University of Turin (1962).

Naturwissenschaftlichen Fakultät der Johannes Gutenberg Universität, Mainz (1963

University of Genoa (1964).

Polytechnic Institute of Brooklyn, New York (1964).

The Catholic University of Louvain, Belgium (1965).

- National Member of the Accademia Nazionale dei Lincei, Rome (1955) (in 1947 he had been appointed corresponding member of said academy).
- Member of the Academy of Sciences of Turin.
- Active Member of the Istituto Lombardo di Scienze e Lettere (1958) (in 1939 he had been appointed corresponding member)
- Honorary life member of the New York Academy of Sciences (1960).
- Honorary member of:
  the Austrian Chemical Society
  the Belgian Chemical Society (STAS Medal, 1962)
  The Swiss Chemical Society (1963)
  The French Chemical Physical Society (Perrin Medal, 1963)
  The Chemical Society of France (Lavoisier Medal, 1963)
  Industrial Chemical Society of Paris (1966).
- Honorary Member of the Rotary Club.
- Associated Foreign Member of the Academie des Sciences de l'Institut de France (1964).
- Member of the National Academy of XL (Rome) (1964).
- Foreign Member of the Academy of Sciences of Moscow, USSR (1966).
- Member of the Commission of Macromolecules of the International Union of Pure and Applied Chemistry (IUPAC).

- Member of the Editorial Board of the following journals:
  La Chimica e l'Industria (Milan)
  Die Makromolekulare Chemie,
  The Journal of Polymer Science, Part A-1,
  Journal of Organometallic Chemistry,
  Advances in Polymer Science- Fortschritte der Hochpolymeren-Forschung,
  European Polymer Journal.

THE INDEPENDENT INTERNATIONAL POLYMER JOURNAL

Telegrams & Cables: PICKETT, TENTERDEN

Rubber and Plastics Age

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TENTERDEN, KENT
ENGLAND

Proprietors: Rubber & Technical Press Limited

Telephone: TENTERDEN 2184

YOUR REF.:

OUR REF.: AJP/HM

30th December, 1966.

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan,
Italy.

Dear Professor Natta,

Thank you for your letter of 23rd December regarding the article on Trans-1,4 Polybutadiene. We should be delighted to publish the shortened version in "Rubber and Plastics Age," provided that we have the permission of "Chimica e Industria". If you can let me have the paper by 1st March I would hope to include it in our May issue.

You may have heard that Professor Ziegler is to receive the 4th International Synthetic Rubber Medal. I have just written an article on his work and your work on polymerisation catalysts, and I was wondering whether you could send me by return of post a list of the awards that you have received from various learned Societies and the year in which they were awarded.

With my best wishes for 1967,

Yours sincerely,

Alan.

LONDON OFFICE (*Advertisement & Circulation Departments*): 25, Lloyd Baker Street, London, W.C.1, England
Tel.: BRUnswick 1125

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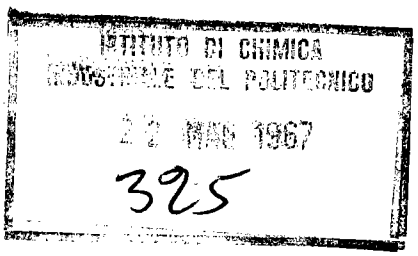
vs.rif.N281/rl
ns.rif.CS/DGS/SC

19th May 1967

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
22 MAG 1967
325



Professore G.Natta,
Istituto Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
MILANO,
Italy.

Egregio Professore,

La ringrazio della Sua lettera del 11 Maggio.

Sarò lieto di incontrare il Professore Pegoraro e spero di avere occasione di incontrarLa un altra volta,

I migliori saluti.

D. G. Street

D.G. Street

7 giugno
ore 10,30

Milano, 11.5.1967

ns.rif.N.281/rl

Mr.D.G.Street
BXL Industrial Products Group Ltd
Research & Development Dept.
Lawford Place, Manningtree,
Essex (Inghilterra)

Egregio Signor Street,

ricevo la Sua gentile lettera del 5 u.s.,
nella quale mi comunica che verrà a Milano il 7.6 alle ore 10.30.
Desidero informarLa che io non sarò a Milano in tale giorno e rientrerò solo il 12.6. Potrà però riceverla il mio collaboratore Prof.
Mario Pegoraro che è epperto nel campo che Le interessa.

I migliori saluti.

G.Natta

BXL

BXL INDUSTRIAL PRODUCTS GROUP LTD.
RESEARCH AND DEVELOPMENT DEPARTMENT
LAWFORD PLACE, MANNINGTREE, ESSEX
Telephone: Manningtree 2251 Telex 18201

Vs.rif.264/lmv
ns.rif. CS/DGS/SC

5th May 1967

Professore G.Natta,
Istituto Di Chimica Industriale
Del Politecnico,
32 Leonardo Da Vinci Piazza,
MILAN,
Italy.

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
- 9 MAG. 1967
281

Egregio Professore,

La ringragio della Sua lettera del 24 Aprile.

Sarò a Milano il 7 giugno verso le ore 10.30. (N. 264)

Distinti saluti.

D. G. Street
(D.G.Street)

Pegoraro
(Pl Natta
ci serve
fino solo
dopo il 12/6

Dupl.

24 aprile 1967

Mr.D.G.Street,
BXL Industriale Products Group Ltd.
Research & Development Dept.,
Lawford Place, Manningtree, Essex
(Inghilterra)

Vs.rif.CS/DGS/SC

ns.rif.264/lmv

Egregio Signor Street,

Ricevo la Sua lettera del 21 aprile, e sarò lieto di vederLa nel periodo da Lei accennato. Le ricordo soltanto che il 2 giugno in Italia è festa nazionale. Sarebbe quindi preferibile che la sua visita avesse luogo in un giorno compreso tra il 5 e il 20 giugno.

Le sarò grato se mi vorrà far sapere la data da Lei scelta in anticipo.

I migliori saluti.

Giulio Natta

BXL INDUSTRIAL PRODUCTS GROUP LTD.
RESEARCH AND DEVELOPMENT DEPARTMENT
LAWFORD PLACE, MANNINGTREE, ESSEX
Telephone: Manningtree 2251
Telex: 98201

vs.rif.N.166/rl
ns.rif.CS/DGS/SC

21st April 1967

Professor G.Natta,
Istituto Di Chimica Industriale
Del Politecnico,
32 Piazza Leonardo Da Vinci.
MILAN,
Italy.

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
24 APR. 1967
264

Egregio Professore,

La ringrazio e rispondo alla Sua lettera del 16 Marzo. Adesso ho potuto stabilire il periodo del mio soggiorno in Italia. Sarò a Parma dal 31 maggio fino al 20 giugno, cosi potro venire a Milano il giorno che Lei preferisce.

Per quanto riguarda l'invecchiamento del polistirolo anti-urto e chiaro dai lavori pubblicati e anche dai nostri studi che si tratta dell'ossidazione della fase gommosa in uno strato sottile superficiale. E anche chiaro che non si puo impedire quest'ossidazione nel caso di gomme non saturate. Quindi la differenza nella resistenza all'invecchiamento di diversi polistiroli anti-urto si trova nelle proprietà fisiche della porzione non invecchiata. Per quanto riguarda la resistenza all'urto del polistirolo invecchiato il fattore più importante e l'abilità a controllare una "frattura corrente", e sembra che questa abilità dipenda dal "rate of crazing". Per questo motivo abbiamo studiato la frattura di polimeri antiurto e ormai capiamo alcuni dei fattori che controllano la resistenza all'urto.

Nell'attesa di incontrarLa e di scambiare idee su questi argomenti,

Distinti Saluti

D. G. Street

(D.G. STREET)

Sept.19, 1967

F.Ward, Esq.,
72, Pelham Rd.,
Wimbledon,
London, S.W.19 (Inghilterra)

Dear Mr.Ward,

This is in reply to your letter of Aug.12, with which you asked me for information about our works on the polymerization of propylene by Ziegler-Natta catalysts. I wish to inform you that all information particularly concerning gaseous additives are reported in the paper of ours published in 1959, which you quote.

Sincerely yours,

G.Natta

72, Pelham Rd.,
Wimbledon,
London, S.W.19.

12th August 1967.

Dear Professor Natta,

I am in the process of collecting material for a dissertation which will complete the final part of my M.Sc. degree at Bradford University. The title of the dissertation is "The Effect of Hydrogen and Other Gaseous Additives on Ziegler Natta Polymerisations".

I have obtained two good papers by B. M. Grieveson at the Shell Research Centre Carrington. Also, Dr. Schindler of the Research Triangle Institute, North Carolina has kindly sent me many very useful reprints of his work in this field and, of course, I have your paper of 1959. I am aware of papers by Eden and Feilchenfeld on the effect of ethane addition to the polymerisation system and also of papers by Russian authors who have reacted silicon hydrides in Ziegler Natta polymerisations of ethylene. Also, I am aware of the paper by Vesely and Ambroz on donor type additives CS_2, COS, H_2S and CO.

I should, therefore, be most pleased if you could let me know if you have done any further work in connection with gaseous addition to these catalyst systems. Also, I should be most grateful if you could refer me to any other material by other workers who have concerned themselves with this subject. Any further comments or reflections would be most appreciated.

I know that you must be much occupied and therefore I apologise in advance and offer my thanks in anticipation of your efforts on my behalf.

Yours faithfully,

F. Ward

University of East Anglia

From Dr. L. Yakhontov

School of Chemical Sciences
University Plain
Norwich NOR 85C
Telephone Norwich 52651

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
13 MAR. 1967
156

7th March, 1967.

Dear Dr. Natta,

I am working on the infrared intensities of mono-substituted benzene derivatives in Professor Katritzky's laboratory. This work is concerned with the determination of Hammett σ_R^0 parameters by measurement of infrared intensities of the band 1600 $cm.^{-1}$ Some of this work has already been published, and a good deal more has been completed. We feel that it would be very useful to try and measure the interaction of metal and metaloid atoms with benzene rings. We are, therefore, trying to complete the study of the structure of a large number of phenyl derivatives.

I noticed recently you published some work concerned with the following compounds:-

Diphenylmagnesium.

I wondered whether you might have a specimen available of these derivatives, if so it would be of very great help to us if you could provide us with some material. Ideally we should like to have 0.8 gm., but any amount down to 0.1 gm. would be useful.

I do hope that you will not mind my writing to you in this manner. I am working for a six month period in Norwich; my home Institute is the S. Ozdzhonikidze All-Union Chemical-Pharmaceutical Scientific Research Institute in Moscow.

Yours sincerely,

L. Yakhontov

Dr. G. Natta,
Politechnico,
Milano,
Italy.

1966

Cattedra Plesch

June 17, 1966

Dr.P.H.Plesch,
University of Keele
Dept.of Chemistry,
Keele, Staffordshire (Inghilterra

Dear doctor Plesch,

With regard to your letter of June 13, I certainly agree with being quoted as your referee.

Thanking you very much for your reprint, I send you kindest personal regards.

Giulio Natta

UNIVERSITY OF KEELE

Dr. P. H. Plesch

DEPARTMENT OF CHEMISTRY

KEELE,
STAFFORDSHIRE.

TELEPHONE: KEELE PARK 371

Prof. G. Natta, NL
Ist. di Chim. Industriale
Piazza Leonardo da Vinci
Milano, Italy

13.6.66.

Dear Professor Natta,

This is to inform you that I am applying for a Chair of Chemistry at the University of Essex. I hope very much that I may quote you once again as one of my Referees.

Enclosed you will find a recent reprint, which I hope will be of interest to you.

With very best personal regards,

Sincerely yours,

P. H. Plesch

Carbella Plesch

University of Keele

KEELE - STAFFORDSHIRE - Keele Park 371

Registrar: J. F. N. HODGKINSON, M.A.

JFNH/MHB

Confidential 19th January 1966.

Dear Professor Natta,

Thank you for your letter of the 12th January about Dr. P.H.Plesch. This will be most helpful.

Yours sincerely,

J. F. N. Hodgkinson

Registrar.

Registrar's Office (Academic Section)

University of Essex

Wivenhoe Park, Colchester, Essex
Tel: Colchester (OCO 6) 5141

Carbetta.
Plesch

DWJM/JAN

4th July, 1966

Dear Professor Natta,

I am most grateful for the reference which you have given me on Dr. P. H. Plesch. Your comments will be of great assistance to the Selection Committee.

Yours sincerely,

D. W. J. Morrell
Senior Assistant Registrar

Professor G. Natta,
Istituto Chimica Industriale del
Politecnico,
Piazza Leonardo da Vinci 32,
Milan,
ITALY.

Corbellini
Plesch

our ref.N.345/rl

Milano, June 28, 1966

Mr.D.W.J.Morrell
SeniorAssistant Registrar
(Academic Section)
University of Essex
Wivenhoe Park, Colchester, Essex
(Inghilterra)

Re / Dr. P. H. PLESCH

Dear Mr.Morrell

This is in reply to your letter of June 22, 1966.

I met Dr.Plesch during some Conferences, where I had the possibility of appreciating his bright intelligence, his activity as researcher and his scientific and theoretical knowledges. Dr.Plesch asserted himself for his brilliant works on macromolecular chemistry and in particular on the cationic polymerizations; in this field of chemistry he is rightly considered one of the most outstanding specialists all over the world. In particular, he devoted his studies to the chemical and chemical-physical problems connected with the polymerization, e.g. kinetic and energetic factors, and to the chemical-physical and rheological properties of polymers. He published a great number of paper papers, many of which are of great interest and originality. The field of research studied by Dr. Plesch and the results he obtained are interesting not only for scince, but also for the applications, due to the great importance of the macromolecular chemistry and, in particular, to the cationic processes throughly studied by Dr.Plesch.

Therefore I believe that Dr.Plesch deserves the Chair of Chemistry he applied.

Your sincerely,

Giulio Natta

University of Essex

Registrar's Office
(Academic Section)
Wivenhoe Park, Colchester, Essex
Tel: Colchester (OCO 6) 5141

DWJM/JAN

22nd June, 1966

345

Dear Professor Natta,

Dr. P. H. Plesch

The above-named has applied for a Chair of Chemistry at this University and has given us your name as a referee.

I shall be very grateful if you will let me have your comments on this candidate as soon as possible.

Yours sincerely,

D. W. J. Morrell
Senior Assistant Registrar

Professor G. Natta,
Istituto di Chimica Industriale,
Piazza Leonardo da Vinci,
Milan,
ITALY.

Carbella Plesch

12.1.66

671

Dr. Hodgkinson
University of Keele
Keele Park 371
KEELE, Staffordshire (England)

Confidential

Dear Dr. Hodgkinson,

your letter of Dec. 17 asking for my opinion on Dr. Plesch, has reached me with delay as I spent a period of rest out of town during Christmas holidays.

I met Dr. Plesch during some Conferences, where I had the possibility of appreciating his bright intelligence, his activity as researcher and his scientific and theoretical knowledges. Dr. Plesch asserted himself for his brilliant works on macromolecular chemistry and in particular on the cationic polymerizations; in this field of chemistry he is rightly considered one of the most outstanding specialists all over the world. In particular, he devoted his studies to the chemical-physical problems connected with the polymerization, e.g. kinetic and energetic factors, and to the chemical-physical and rheological properties of polymers. He published a great number of papers, many of which are of great interest and originality. The field of research studied by Dr. Plesch and the results he obtained are interesting not only for science, but also for the applications, due to the great importance of the macromolecular chemistry and, in particular, to the cationic processes throughly studied by Dr. Plesch.

Therefore I believe that Dr. Plesch deserves the promotion to a Readership.

Yours sincerely

GIULIO NATTA

originale al PP 28/12

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University of Keele

KEELE - STAFFORDSHIRE - Keele Park 371
Registrar: J. F. N. HODGKINSON, M.A.

JFNH/MHB

Confidential

17th December 1965.

Dear Professor Natta,

The University is considering the promotion of Dr. P.H. Plesch to a Readership. Professor Springall has suggested you as a person to whom I could apply for a confidential opinion on the quality of his research work. If you are willing to act in this capacity, I should be most grateful if you could let me have a reply as soon as possible.

I give below the University's description of the qualifications required for promotion to a Readership :

"Readerships should be recommended exclusively for outstanding distinction in scholarship. Where a member of the University has made a contribution to the advancing of the knowledge of his subject which is sufficiently outstanding to accord him the distinction of being an authority and understood as such in the world of scholarship, and where this distinction is confirmed by at least two external assessors chosen by the University from among recognised authorities in his subject, the University may confer a Readership upon him."

Yours sincerely,

Registrar.

Professor G. Natta, N.L.,
Instituto di Chimica Industriale,
Piazzo Leonardo da Vinci,
MILAN, ITALY.

COMPREHENSIVE CHEMICAL KINETICS

PUBLISHERS: ELSEVIER PUBLISHING COMPANY - P.O. BOX 211 - AMSTERDAM

EDITORS

Professor C. H. Bamford, F.R.S.
Dr. C. F. H. Tipper

Department of Inorganic,
Physical and Industrial Chemistry,
The Donnan Laboratories,
Vine Street,
Liverpool 7, Great Britain

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Prof. O. Wichterle

18th May, 1966.

Professor G. Natta
Istituto Di Chimica Industriale
Del Politecnico
Piazza Leonardo Da Vinci, 32 - Milano

23 MAG 1966
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Dear Professor Natta,

I am sorry to have delayed so long in replying to your helpful letter of February 15th last. We are pleased to know that you consider the scheme for Volumes 4 and 5 of "Comprehensive Chemical Kinetics" satisfactory, in the main.

We will certainly include disproportionation reactions of the type you mention in a later volume.

With best regards,

Yours sincerely,

C.H. Bamford.

Impl.

Feb.15, 1966

Prof.C.H.Bamford, F.R.S.
Dept.of Inorganic, Physical
and Industrial Chemistry,
The Donnan Laboratories,
Vine Street,
Liverpool 7 (Gran Bretagna)

our ref.62/lmv

Dear professor Bamford,

This is in reply to your letter of Feb.2, by which you send me a copy of a draft scheme for "Comprehensive Chemical Kinetics" Section 2.

Although the topics considered do not concern the fields of our research, it is my impression that the subdivision made is satisfactory and comprises all the topics of greatest importance. I would only suggest to possibly consider the opportunity to deal separatelywwith the disproportionation reactions, such as the formation, from two propylene molecules of one molecule of ethylene and one of butene.

Kind regards,

Sincerely yours,

Giulio Natta

COMPREHENSIVE CHEMICAL KINETICS

PUBLISHERS: ELSEVIER PUBLISHING COMPANY - P.O. BOX 211 - AMSTERDAM

EDITORS

Professor C. H. Bamford, F.R.S.
Dr. C. F. H. Tipper

Department of Inorganic,
Physical and Industrial Chemistry,
The Donnan Laboratories,
Vine Street,
Liverpool 7, Great Britain

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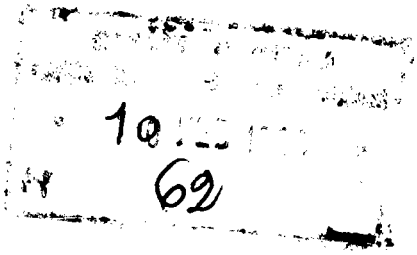

2nd February 1966

Professor G. Natta
Istituto di Chimica Industriale del
Politecnico di Milano
MILAN, ITALY

Dear Professor Natta

I enclose a copy of a draft scheme for "Comprehensive Chemical Kinetics" Section 2, dealing with homogeneous decompositions and isomerisations of molecules.

We would be most grateful for any comments, either general or on the classification of the reactions, which you would care to make.

With kind regards,

Yours sincerely

C.H. Bamford

Enclosure

Milano, July 6, 1966

Prof.G.Gee, C.B.E., F.R.S.,
Dept. of Chemistry,
The University,
Oxford Road,
Manchester 13, Inghilterra

Dear Professor Gee,

As you certainly remember, Dr.Kenneth Wilkinson of your department spent one year at my Institute and left us in July 1964.

Now, we would like to contact him for some scientific business. We wrote him several months ago, but did not get any reply. I wonder whether you can supply us any information about his present address.

Thanking you very much in advance, accept kindest personal regards.

Giulio Natta

Inglese.

May 24, 1966

S.A.Miller, Ph.D., F.R.I.C.
23 The Drive,
London, N.W.11 (Inghilterra)

our ref.270/lmv

Dear doctor Miller,

I reply to your letter of May 14, 1966, and further to my previous letter, I confirm you the names of my two co-workers who will contribute an article for the book "Ethylene and its Industrial Derivatives".

They are:

- Prof.Dr.Alberto VALVASSORI and
- Prof.Dr.Guido SARTORI

of the Research Institute "G.Donegani", Montecatini S.p.A., Milano.

Sincerely yours,

Giulio Natta

S. A. MILLER, B.Sc., M.A. (Oxon), Ph.D., F.R.I.C.
CHEMICAL CONSULTANT

MEAdway 1628

23 The Drive, London, N.W.11

14 May 1966.

Professor G.Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo Da Vinci 32,
Milano.

270

Dear Professor Natta,

Further to our previous correspondence, could you now please let me have the name of your coworker who will write a 5,000 word section by 31 December for the book "Ethylene and its Industrial Derivatives". Could I please have his name in the form in which it would finally be printed, i.e. with degrees and designation of his position. I am preparing a list of contributors, with the intention that it should become generally known in a little while that this book is under way (in case someone else gets an idea for such a book). The whole book is assigned, and your coworker is the only name missing.

Please forgive my persistence.

Yours very sincerely,

S.A. Miller.

May 18, 1966

Dr.S.A.Miller
23 The Drive
London, N.W.11 (Inghilterra)

our ref.209/212/lmv

Dear doctor Miller,

I apologize for answering your letters of April 19 and 25 with such a delay, due to the fact that both myself and my co-workers have been engaged, also out of town.

Prof.Alberto VALVASSORI and Prof.Guido SARTORI are the co-workers of mine who will write the article on ethylene-propylene and ethylene-diolefin copolymers and terpolymers for the book: "Ethylene and Its Industrial Derivatives".

As to the length of their contribution, they agree with 5,000 words, including the equivalent space of diagrams, tables, etc.

With kindest regards,

Sincerely yours,

Giulio Natta

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23 The Drive, London,
25 April 1966 N.W.11.

Professor G.Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo Da Vinci 32,
Milano.

Dear Professor Natta,

Thank you for your letter of 20 April. 212

I am anxious to obtain the contribution from your department, and will agree to the deadline of 31 December, 1966. I trust that I am interpreting your letter correctly as meaning that your coworkers would undertake to treat this as a firm deadline and not go beyond this.

Could you kindly let me know who the authors would be, so that I can ask Mr. Denton to write to them formally, and so that I can prepare the list of authors. For the formal letter we need to specify a length. I previously suggested 5,000 words to you; if your coworkers feel that this is insufficient, we would make it a little longer.

With my best regards,

Yours sincerely

S. A. Miller

S. A. MILLER, B.Sc., M.A. (Oxon), Ph.D., F.R.I.C.
CHEMICAL CONSULTANT

MEAdway 1628 *23 The Drive, London, N.W.11*

209

19 April 19[illegible].

Professor G.Natta,
Istituto di chimica industriale del Politecnico,
Piazza Leonardo Da Vinci 32,
Milano.

Dear Professor Natta,

May I refer to my letter of 31 March concerning the contribution in the book "Ethylene and its Industrial Derivatives" which you kindly arranged for one of your co-workers to write.

I would be very grateful if you could kindly let me have the name of this gentleman, as I have arranged for the publishers to write to each of the contributors a formal letter. The list is virtually complete; if you are interested I will send you a copy when it is quite complete.

I also need to have an estimated length for the publishers to insert in the formal letter. Would the write agree that 5,000 words would be about right, including the equivalent space of diagrams, tables, etc.

With respectful regards,

Yours sincerely,

S.A. Miller.

Chiedere Valvano per risposta
copia a Valv. 27/4

Valv
[illegible]

April 20; 1966

S.A. Miller, Ph.D., F.R.I.C.
23 The Drive
London, N.W.11 (Inghilterra)

our ref. 157/rl

Dear Doctor Miller,

Thank you for your letter of March 31, from which I learn that you accept the range of coverage from our Institute as being ethylene-alpha-olefin and diolefin copolymers.

As to the deadline for the manuscript, I regret to inform you that, due to numberless duties, my co-workers cannot accept the date of Oct. 31, 1966. Therefore they will not be able to send you their text before December 31, 1966. If you feel that this date is not convenient, my co-workers will reluctantly give up this co-operation.

Loocking forward to hearing from you, I send you kindest personal regards.

Giulio Natta

S. A. MILLER, B.Sc., M.A. (Oxon), Ph.D., F.R.I.C.
CHEMICAL CONSULTANT
MEAdway 1628
23 The Drive, London, N.W.11

31 March 1966.

Professor G. Natta,
Istituto Di Chimica Industriale Del Politecnico,
Piazza Leonardo Da Vinci 32,
Milano.

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Dear Professor Natta,

Thank you very much for your letter of 28 March.

I accept the range of coverage from your Institute as being ethylene-alpha-olefin and diolefin copolymers. I would, however, respectfully ask for a target date for the text to be accepted for 31 October 1966, as this is the date that all the other contributors are working to, and the book (probably two volumes) is to be published during 1967, which will not be possible for a work of this size and nature unless the first texts are written by October.

I do hope that it will be possible to agree about this.

With kindest regards,

Yours sincerely,

S. A. Miller

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KENNETH DAY MICHAEL JOURDIER

23 The Drive,
London, N.W.11.

28 March 1966.

Professor G. Natta,
Istituto Di Chimica Industriale Del Politecnico,
Piazza Leonardo Da Vinci 32,
Milano.

Dear Professor Natta,

Further to my letter of 20 March, the author of the main part of the chapter on polymerisation in the book "Ethylene and its Industrial Derivatives" will be Mr.D.E.Hostetler, of the Koppers Company.

I have told Mr. Hostetler that one of your colleagues will be writing a part of the chapter, and I would let him know as soon as I heard from you or your colleague just how much of the chapter would be written in Milan.

The contributions will be required in six months or so, as publication is to be next year.

With best regards,

Yours sincerely,

S. A. Miller

March 28, 1966

Mr.S.A.Miller
23 The Drive,
London, N.W.11 (Inghilterra)

our ref.138/lmv

Dear Mr.Miller,

Thank you for your letter of March 20, from which I learn that you would like to widen the topic of the chapter so as to comprise fields we are not specialized in.

Futther to what I wrote you on March 14, I confirm you that my co-workers are willing to deal with the already wide topic of the ethylene-alpha-olefin copolymers and in particular of the ethylene-propylene copolymers and terpolymers. It might also comprise the field of ethylene-diolefin copolymers (butadiene).

Moreover, due to the many previous engagements, they might accept this task only if the deadline for the manuscript can be delayed until March 1967.

Kindest regards.

Giulio Natta

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KENNETH DAY MICHAEL JOURDIER

23 The Drive,
London, N.W.11.

20 March 1966.

Professor G. Natta,
Istituto Di Chimica Industriale Del Politecnico,
Piazza Leonardo Da Vinci 32,
Milano.

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Dear Professor Natta,

Thank you very much for your letter of 14 March. I must have misaddressed my first letter to Montecatini.

Dr. Landau, of Halcon International, has indeed offered, somewhat reluctantly, to write the chapter on polythene; he is already committed to a chapter on ethylene oxide. I have told him that I will write him again about the polythene chapter by the end of March. I would be glad if your colleague contributed part of the polymerisation chapter, and I am sure Dr. Landau would also agree; may I ask whether your colleague would undertake the whole of the section I have ringed in the attached synopsis? This would be an integral part of the chapter as I envisaged it. The ethylene-propylene copolymers (and to a lesser extent, other olefins as comonomers) would be the greater part of this section. I know that there would be considerable ground to cover; with a photograph or two, possibly a flowsheet, and references, the whole section might run to 10,000 words - but the exact length would be a matter for the author's judgement in the first place. I am aware that there could not be a more appropriate source for such material than from your Institute. At some future date it is intended to follow the work on ethylene with a parallel book on propylene - when again it will be inevitable that I approach you once more. But this is not to be started till the ethylene book is well under way.

I am grateful for your co-operation, and look forward to confirmation of the offer you have made, with the name of the author. I would be glad to answer any queries he may have. The publishers will purchase copyright at seven guineas per thousand words, and I have suggested to all the authors that they attempt to produce their manuscripts by September.

With best regards,

Yours sincerely,

J. A. Miller

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KENNETH DAY MICHAEL JOURDIER

23 The Drive,
London, N.W.11.

7 March 1966.

Professor Natta,
Montecatini S.p.A., Societa Generale per l'Industria Mineraria e Chimica,
18 Via F.Torati,
Milano.

Dear Professor Natta,

"Ethylene and its Industrial Derivatives"

I trust that a letter which I addressed to Montecatini on 13 February reached you. It asked whether there would be any interest in an Italian contribution to the above work, and I enclosed synopses of two chapters. In case these did not arrive, I attach further copies.

I have received an offer from America for the chapter on polymerisation. The author is eminent and would be suitable, but for certain reasons I would prefer to wait until hearing from you before coming to an agreement with him. The chapter which includes vinyl chloride has not yet been assigned. The rest of the book is more or less settled.

Yours sincerely,

S.A. Miller

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Milano, July 8, 1966

Dr.Alan Pickett,
Rubber and Plastics Age,
Tonbridge, Kent (Inghilterra)

our ref.353/lmv

Dear doctor Pickett,

Thank you for your kind letter of June 27, and sincerely thank you for your kind care and for all the news about the use of Rutin T.

I will use it and will refer you on the results.
With kindest personal regards,

Giulio Natta

Inghilterra

May 3, 1966

Mr.Alan Pickett
Rubber & Plastics Age,
Tenterden, Kent (Inghilterra

Dear Mr.Pickett,

Thank you for your kind letter of April 27. I am very glad that you plan to come to Milan on May 16. Rosita and I hope you will be our guest either at lunch or at dinner. We also hope that your wife will come with you.

I look forward to receiving your telephone call on your arrival.

Kindest personal regards, in which my wife joins.

Sincerely,

G.Natta

THE INDEPENDENT INTERNATIONAL POLYMER JOURNAL

Telegrams & Cables: PICKETT, TENTERDEN

Rubber and Plastics Age

EDITORIAL OFFICE
TENTERDEN, KENT
ENGLAND

Proprietors: Rubber & Technical Press Limited

Telephone: TENTERDEN 2184

YOUR REF.:

OUR REF.: AJP/JC

27th April, 1966

Professor and Signora G. Natta,
Via Mario Pagano 54,
Milano,
Italy

Dear Professor and Signora Natta,

It seems such a long time since we last met and I wonder how you are. I have only received second-hand reports of your health.

I shall be arriving in Milan on May 16th and staying at the Albergo Terminus Bellini, Viale Vittorio Veneto 32, until May 19th inclusive.

I will telephone on arrival and I do hope it will be possible to meet you.

With best personal regards, in which Margaret joins,

Sincerely,

Alan Pickett

LONDON OFFICE (*Advertisement & Circulation Departments*): 25, Lloyd Baker Street, London, W.C.1, England
Tel.: BRUnswick 1125

May 17, 1966

Sir Robert Robinson
Shell Centre
Downstream Building
London S E 1 (Inghilterra)

Dear Robert,

Thank you very much indeed for kindly sending me new medicines against Parkinson desease. I also thank you for informing me by urgent cable of the secondary effects caused by them.

I started the treatment with very low doses, as soon as I received the product and at the same time I reduced the doses of the other medicines. After reaching the dose of 6 mg., I stopped this treatment for a few days. As a matter of fact, I had noticed a certain derangement, which, however, did not surprise me: actually an analogous effect is more or less caused by all medicines against Parkinson's. After a few-day break, I started this treatment again, always with low doses; but, as the same nuisance arose, I discontinued it at all. Your cable has confirmed what I had already observed and convinced me to stop. All troubles have soon disappeared after giving up the medicine.

I was very glad to meet Stearn in Milan. Most probably, I shall go to Paris for the 300th anniversary of the Academy of Sciences of Paris: I hope to meet you there, and in Italy, or in Switzerland sometime later.

With my best regards,

Yours,

Giulio

March 14, 1966

S.A.Miller, Esq.,
23 The Drive,
London, N.W.11 (Igghilterra)

our ref.113/lmv

Dear Mr.Miller,

Thank you for your letter of March 7 and for enclosures: unfortunately your previous letter of Feb.13 never reached me.

With regard to your kind request to write the chapter on the polymerization of ethylene for the book "Ethylene and Its Industrial Derivatives", I regret informing you that, due to many previous engagements, I have not time to prepare it.
As you already received an offer from America by a suitable author, I think it preferable that you accept such co-operation.

A very important topic worth being developed thoroughly is that of the ethylene- α-olefin copolymers, and in particular of the ethylene-propylene copolymers and terpolymers.
In case you have not yet assigned this topic, I might ask whether one of my co-workers can write it.

Kindest personal regards.

Giulio Natta

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Director of Research W F Watson PhD, DSc, FIRI. *Secretary* Lt Col S G Loe ERD, FCIS

ID/JMG/JC/27. 2nd December, 1966.

643

Prof. G. Natta,
Istituto Chimica Industriale - Politechnics,
Piazza L. da Vinci 32,
Milan,
Italy.

Dear Professor Natta,

We have pleasure in enclosing a copy of our draft translation of your paper from Chimica e l'Industria, 47, No. 9, Sept. 1965, p.960-5 and trust it will meet with your approval.

We shall look forward to hearing further from you.

Yours sincerely,
for RUBBER AND PLASTICS RESEARCH ASSOCIATION OF GREAT BRITAIN

Jean M. Gillespie.

ENCLOSURE

Dec.21, 1966

M.Jean M.Gillespie,
Rubber & Plastics Research
Association of Great Britain,
Shawbury Shrewbury Shropshire
(Inghilterra)

our ref.643/lmv

Dear dr.Gillespie,

I have received, with your letter of Dec.2, a copy of the translation of our paper in Chimica e Industria 47, 960 (1965).

We have examined it carefully and found it very good. We only suggest small corrections, which are indicated in red in the margin.

With kind regards,

Giulio Natta

Encl/

Inghilterra

Dec.23, 1966

Mr.A.Pickett,
Rubber & Plastics Age,
Tenterden, Kent (Inghilterra)

our ref.664/lmv

Dear doctor Pickett,

I wish to inform you that to-day, I have submitted for publication in "Chimica e Industria" (Milan) the paper:

"Thermodynamic Study of the Polymorphous Transition of trans-1,4 Polybutadiene"

by G.Natta, M.Pegoraro and L.Szilagyi.
The paper will be published in the January 1967 issue of said Journal.

As some preliminary information on the topic have aroused much interest abroad, and as I have received many letters in English from people eager to get further news, I think it would be desirable to publish the translation of the paper or a detailed summary of it in an English journal.

The Italian paper now in press consists of two subsequent notes for the amount of 46 typewritten pages; however, a less detailed text of ~15 pages is also ready, which we are translating into English.

Please, let me know at your earliest convenience whether you can publish our paper in "Rubber and Plastics Age", and if so, the deadline for receipt of the manuscript, required for a fast publication.

Thanking you in advance, I send you kindest personal regards.

Giulio Natta

Milano, June 17, 1966

Dr. A. Pickett,
Rubber & Plastics Age
Tentereden, Kent (Inghilterra)

Dear doctor Pickett,

I have received the product that you kindly sent to me. I sincerely thank you for your care.

I have noticed that it is indicated as a treatment for high blood-pressure. Personally, my blood-pressure is too low (about 110 mm). I would like to know whether the product acts as a pressure regulator, also for low pressure, or whether its use must be limited to the treatment of high pressure.

Thank you very much again. Kindest regards to you and Mrs. Pickett, to which my wife joins.

Giulio Natta

THE INDEPENDENT INTERNATIONAL POLYMER JOURNAL

Telegrams & Cables: PICKETT, TENTERDEN

Rubber and Plastics Age

EDITORIAL OFFICE
TENTERDEN, KENT
ENGLAND

Telephone: TENTERDEN 2184

Proprietors: Rubber & Technical Press Limited

YOUR REF.:

OUR REF.: AJP/CH

353

27th June 1966

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan, Italy.

Dear Professor Natta,

Many thanks for your letter of the 17th June regarding 'Rutin T'.

Although Rutin is prescribed primarily for high blood pressure, some people with low blood pressure have also derived benefit from it. I should, therefore, explain that low blood pressure is not the opposite of high blood pressure.

Rutin does not actually cure blood pressure irregularities. What it does do is to render the blood vessels more flexible, which is of great importance in all people who have reached middle age. It is therefore of great benefit to anyone who has experienced a heart attack or other illness related to the circulatory system.

Rutin is quite harmless, even when taken in large quantities, because any excess is eliminated naturally by the body. To obtain maximum benefit it needs to be taken over a period of several months, and I should be very happy to send you further supplies.

With best personal regards,

Sincerely,

Alan Pickett

LONDON OFFICE (Advertisement & Circulation Departments): 25, Lloyd Baker Street, London, W.C.1, England
Tel.: BRUnswick 1125

1965

Jan.27, 1965

Dr.P.H.Plesch,
Dept. of Chemistry,
University of Keele,
Keele, Staffordshire (Inghilterra)

our ref.54/lv

Dear Professor Plesch,

With regard to your letter of Jan.17, 1965, I am glad to inform you that I will be pleased to be quoted as your referee.

In the meantime, I would very much appreciate your sending me your recent publications.-

With kindest regards,

Giulio Natta

UNIVERSITY OF KEELE

Dr. P. H. Plesch
DEPARTMENT OF CHEMISTRY.

KEELE.
STAFFORDSHIRE.

TELEPHONE: KEELE PARK 371

Prof. G. Natta, ML
Istituto di Chim Industr.
Piazza Leonardo da Vinci,
Milano, Italy.

17.1.65.

54

Dear Professor Natta,

I intend to apply for a Readership at the University of Essex, Colchester, and would be most grateful if I could quote you as a referee. The general form of the application will be the same as that for the Chair at Leicester, which I sent you some time ago. As the applications must be in at the end of this month, I would appreciate it very much if you could let me have your reply as soon as possible.

With all best wishes,

Sincerely yours,

P. H. Plesch

June 8, 1965

Dr. P.H. Plesch
Department of Chemistry
University of Keele
Keele, Staffordshire

our ref. 347/eg

Dear Doctor Plesch,

This is in reply to your letter of June 1, 1965. I shall be glad to act as referee when asked for. I wish you the success you deserve.

Thanking you very much for the reprints of your recent papers, I send you kind regards.

G. Natta

UNIVERSITY OF KEELE

Dr. P. H. Plesch
DEPARTMENT OF CHEMISTRY

KEELE,
STAFFORDSHIRE.

TELEPHONE: KEELE PARK 371

Prof. G. Natta, N. L.
Ist. di Chimica Industr.
Piazza Leonardo da Vinci
Milano, Italy

1.6.65.

347

Dear Professor Natta,

Once again I am applying for a new post - this time it is the Chair of Physical Chemistry at the University of Reading. I hope very much that I may quote you again as Referee.

The Application is as before, with a rather longer publications list. I enclose herewith reprints of the papers which I have not yet sent to you, and hope that you may find them of interest.

With my very best regards,

Sincerely yours,

P. H. Plesch

THE UNIVERSITY OF READING
REGISTRAR: J. F. JOHNSON B.A.

PLEASE QUOTE R/ECW
YOUR REFERENCE

TELEPHONE: 81771

22 June 1965

Confidential

Dear Professor Natta,

Thank you very much indeed for your letter of June 18 about Dr. Plesch. I know that our Committee of Selection will be very grateful to you for your help.

Yours sincerely,

RJ Johnson

Professor G. Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci, 32,
MILANO.

THE UNIVERSITY OF READING
REGISTRAR: J. F. JOHNSON B.A.

PLEASE QUOTE R/ECW
YOUR REFERENCE

4 June 1965

TELEPHONE: 81771

Confidential

Dear Sir,

You have been named as a referee in the application for one of the Professorships of Chemistry in this University submitted by Dr. P. H. Plesch.

I should be grateful if you would let me have in confidence, for the Committee of Selection, your opinion of his qualifications * and suitability for one of these posts. I enclose a copy of the schedule of particulars relating to them.

Applications are to be further considered by the Committee on June 25, and it would therefore be a great help if I might have your reply as soon as possible.

Yours faithfully,

P J Johnson

Professor G. Natta, N.L.,
Istituto di Chimica Industriale,
Piazza Leonardo da Vinci,
MILAN,
Italy.

Carlotta Plesch

671

University of Keele

KEELE - STAFFORDSHIRE - Keele Park 371
Registrar: J. F. N. HODGKINSON, M.A.

JFNH/MHB

Confidential

17th December 1965.

Dear Professor Natta,

The University is considering the promotion of Dr. P.H. Plesch to a Readership. Professor Springall has suggested you as a person to whom I could apply for a confidential opinion on the quality of his research work. If you are willing to act in this capacity, I should be most grateful if you could let me have a reply as soon as possible.

I give below the University's description of the qualifications required for promotion to a Readership :

> "Readerships should be recommended exclusively for outstanding distinction in scholarship. Where a member of the University has made a contribution to the advancing of the knowledge of his subject which is sufficiently outstanding to accord him the distinction of being an authority and understood as such in the world of scholarship, and where this distinction is confirmed by at least two external assessors chosen by the University from among recognised authorities in his subject, the University may confer a Readership upon him."

Yours sincerely,

J. F. N. Hodgkinson

Registrar.

Professor G. Natta, N.L.,
Instituto di Chimica Industriale,
Piazzo Leonardo da Vinci,
MILAN, ITALY.

June 18, 1965

Dr.J.P.Johnsen,
The University of Reading
Reading (Inghilterra)

Dear Doctor Johnsen:

This is in reply to your letter of June 4 arrived here with some delay. I answer it in haste because I am just leaving Milan.

I met Dr.Plesch during some Conferences, where I had the possibility of appreciating his bright intelligence, his activity as researcher and his scientific and theoretical knowledges. Dr.Plesch asserted himself for his brilliant works on macromolecular chemistry and in particular on the cationic polymerizations; in this field of chemistry he is rightly considered one of the most outstanding specialists all over the world. In particular, he devoted his studies to the chemical-physical problems connected with the polymerization, e.g. kinetic and energetic factors, and to the chemical-physical and rheological properties of polymers.
He published a great number of papers, many of which are of great interest and originality.
The field of research studied by Dr.Plesch and the results he obtained are interesting not only for science, but also for the applications, due to the great importance of macromolecular chemistry and, in particular, of the cationic processes thoroughly studied by Dr.Plesch.

Therefore, your University will gain an excellent scientist; especially if Dr.Plesch will be provided with laboratories where his chemical-physical studies may be developed in the macromolecular field, in which Dr.Plesch is a specialist. This laboratory might attract not only young undergraduates, but also foreign scholars, eager to specialise themselves in the field of cationic polymerizations.

Very truly yours,

Giulio Natta

June 18, 1965

Dr.J.F.Johnson,
The University of Reading
Reading (Inghilterra)

Dear Doctor Johnson:

This is in reply to your letter of June 4 arrived here with some delay. I answer it in haste because I am just leaving Milan.

I met Dr.Plesch during some Conferences, where I had the possibility of appreciating his bright intelligence, his activity as researcher and his scientific and theoretical knowledges. Dr.Plesch asserted himself for his brilliant works on macromolecular chemistry and in particular on the cationic polymerizations; in this field of chemistry he is rightly considered one of the most outstanding specialists all over the world.
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Therefore, your University will gain an excellent scientist; especially if Dr.Plesch will be provided with laboratories where his chemical-physical studies may be developed in the macromolecular field, in which Dr.Plesch is a specialist. This laboratory might attract not only young undergraduates, but also foreign scholars, eager to specialize themselves in the field of cationic polymerizations.

Very truly yours,

Giulio Natta

Inghilterra

Nov.17, 1965

Mr.J.W.Barrett,
Monsanto House,
10-18 Victoria Street,
London S.W.1. (Inghilterra)

Dear Mr.Barrett:

Thank you for your letter of Nov.10 and for kindly sending me the preprint of Dr.T.T.Jones's paper. The results shown are of great interest and we will take them into account in the determinations of the mechanical properties of other types of polymers now in progress.

If further collaborative papers are published, please send me the relating reprints.

Kindest regards,

Giulio Natta

J. W. BARRETT

MONSANTO HOUSE,
10-18, VICTORIA STREET,
LONDON, S.W.1.

ABBEY 5678

10th November, 1965.

To: Titular Members and Officers,
Plastics & High Polymers Section,
I.U.P.A.C.
and Members of the Working Party.

IUPAC - Plastics & High Polymers Section

Working Party on

"The Relationship of Performance Characteristics to Basic Parameters of Polymers"

As Chairman of the Working Party covering "The Relationship of Performance Characteristics to Basic Parameters of Polymers" I was able to report progress on our programme to the Plastics & High Polymers Section meeting in Paris on July 2nd and 3rd. This is reported in the minutes of the meeting.

The first report summarising collaborative effort in the area of polystyrenes was made to the IUPAC Macromolecular Symposium in Prague in the form of a paper prepared by Dr. T.T. Jones and entitled, "A Collaborative Study of Polystyrene Using Torsion Pendulum and Impact Methods". Herewith is a preprint of this paper which has been made available for publication in the Journal of Applied Polymer Science. We plan further collaborative papers covering polyethylenes and PVC.

J.W. BARRETT

JWB/HMH

Ricevo la sua lettera del ... e la ringrazio vivamente di avermi inviato una copia del lavoro di T T Jones, i risultati esposti sono molto interessanti, e ne terremo conto nelle nostre ricerche sulle proprietà meccaniche di altri tipi di polimeri che abbiamo in corso.

Nel caso che altri lavori venissero pubblicati dal Vs. gruppo, sarei grato se vorrete inviarcene un estratto.

(Cordiali saluti).

June 15, 1965

Dr.J.Gordon Cock,
276, Hempstead Road,
Watford,
Herts. (Inghilterra)

our ref.322/lv

Dear Doctor Gordon,

In reply to your letter of May 26, I wish to inform you that Prof.Natta gives you permission to use the illustrations which appeared on page 18 of CIBA Review 1964/3.
We regret, however, we cannot give you, as requested, the original prints. In fact, they were sent to CIBA, and never returned to us. Therefore, you should ask them to the Editorial Office of CIBA Review, Basel.

Sincerely yours,

the secretary
to Prof.Natta

J. GORDON COOK, PH.D., F.R.I.C.

276, HEMPSTEAD ROAD,
WATFORD,
HERTS.
England.

JGC/JH WATFORD 34426

322

The Secretary,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milano, Italy.

26th May 1965.

Dear Sir,

I am writing a book on polypropylene fibres, and would like to include the illustrations which appeared on page 18 of CIBA Review 1964/3. These show:-

1. X-ray picture of isotactic polypropylene
2. X-ray picture of syndiotactic polypropylene.

I understand from the editor of CIBA Review that these prints were supplied by your organisation, and I would be most grateful if you could give me permission to use these, and if so, lend me the necessary prints.

Yours faithfully,

J. Gordon Cook

J. GORDON COOK, PH.D., F.R.I.C.

276, HEMPSTEAD ROAD,
WATFORD,
HERTS.
England

JGC/JH WATFORD 34426
Y/Ref: 322/lv.

Professor Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

24th June 1965.

Dear Professor Natta,

Thank you for your letter of the 15th June. It was very kind of you to give me permission to use the illustrations from CIBA Review 1964/3. I shall get in touch with the Editorial Office of CIBA Review to obtain the prints as you suggest.

With many thanks,

Yours sincerely,

J. Gordon Cook

June 24, 1965

Dr.D.L.Cross, F.R.I.C.
Editor, The Chemical Society,
20-21 Cornwall Terrace,
Regents Park,
London N.W.1. (Inghilterra)

Dear Doctor Cross,

Several assistants of mine (drs.Porri, Allegra and Immirzi) on the date of March 1 submitted a short Note (Communication 144) for publication in "Chemical Communications".

Four months have now elapsed and they, as yet, have not received a definitive reply concerning their Note.

As director of the Institute, I normally follow the papers of my assistants, even when I am not concerned with the work directly. I should, therefore, be very much obliged if you communicate me, on a strictly personal basis, information on this matter, if this is at all possible.

I apologize for any inconvenience that I might cause to you.

Sincerely yours,

Giulio Natta

The Chemical Society

Editor Dr L C Cross FRIC 20-21 Cornwall Terrace Regents Park London NW1 *Telephone Welbeck 1707*

LCC/DER

2nd July 1965

Professor Giulio Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milano, Italy.

Dear Professor Natta,

Communication 144

Thank you for your letter of 24th June about the communication by Dr. Porri. This has been delayed because for some while the referees would not accept Dr. Porri's claim that it was essential to give some experimental detail. However, after a while I was able to obtain a compromise, and a slightly re-written version of Dr. Porri's article is now being set in type. He will see proofs within a few days. I am grateful for your interest.

Yours sincerely,

L. C. Cross

copia a Porri
5/7/65

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4th January, 1965.

Professor G. Natta,
Istituto di Chimica Industriale del
Politechnico,
Piazza Leonardo da Vinci, 32,
Milan,
Italy.

Dear Professor Natta,

Thank you for your communication of the 28th December referring to your wish that I meet Professor Lido Porri.

I see from my itinerary that my plane is scheduled to arrive in Milan at 1425 hrs. on Wednesday, 20th January. By the time I have passed the customs and passport formalities it will probably be later than 1500 hrs and this will not leave me very much time to visit your Institute. I can however place myself at your disposal during the rest of the afternoon if you so wish.

The afternoon of January 21st would, I think, be much more convenient.

Kind regards,

Yours sincerely,

Dr. E. W. Duck
Research and Development
Manager

Mr G. R. Wilson

18.3.1965

Egr. Dr. Ing. A. Giachin
10 Upper Grosvenor Street
L o n d o n W.1 (Inghilterra)

Caro Ingegnere,

Le presento mio cugino, Dr. Stucchi, che avrebbe bisogno di una presentazione da parte sua per i dirigenti della Imperial Chemical Industries o della Shell. Il Dr. Stucchi Le esporrà la cosa che gli interessa, e vedrà Lei cosa è più opportuno fare.

PregandoLa di scusarmi per il disturbo, La ringrazio vivamente per quanto vorrà fare.

i Migliori saluti.

Inquiet.

26.10.65

Dr. Ronald Segal
International Conference on
Economic Sanctions against
South Africa
The Old Manor House
Manor Road
Walton-on-Thames, Surrey

Dear Doctor Segal,

Thank you for your letter of October 1st I mostly regret informing you that I cannot participate in the study of the problems of your interest due to many reasons: one of them is my lack of specific competence and also in spare time. Therefore I am forced to give up your proposal to be a sponsor of your organisation.

Yours sincerely

GIULIO NATTA

International Conference on Economic Sanctions against South Africa

Congrès International des Sanctions Economiques contre l'Afrique du Sud

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1st October 1965

Dear Mr. Natta,

The International Conference on Economic Sanctions against South Africa, which was held at London in April, 1964, was a tremendous success. It brought together individuals and governments from all over the world to consider the racial crisis in South Africa and examine the means of resolving it. The Conference findings, together with the expert papers prepared as a background to the Conference discussions, had a substantial impact on the consideration of the South African issue at the United Nations, on policy within the Organisation of African Unity and on public opinion within the West.

It has been decided, therefore, to hold a second International Conference, to examine the position of the mandated territory of South West Africa and the failure of international accountability as a means of bringing political, economic and social advance to the indigenous peoples.

South Africa has, despite repeated calls from the United Nations and in defiance of the terms on which the mandate was originally given to her by the League of Nations, extended the laws of white supremacy and, indeed, the whole policy of race rule to the mandate. By concentrating, at this Conference, on the question of South West Africa, we shall be dealing with a subject of vital and topical interest. The judgement of the International Court of Justice is expected within the next six to nine months; this judgement is likely to call for a positive international policy towards the South African mandate. The relevance of sanctions towards enforcing that policy is clear.

The proposed dates for the Conference are between March 30 and April 2, 1966. The agenda will deal with;-

a) the failure of international accountability to promote the well-being of all the inhabitants of South West Africa

b) the feasibility of sanctions and/or other measures to enforce resolutions of the United Nations in respect of South West Africa

c) the desired future for South West Africa

d) the methods of mounting international pressures for the acceptance of appropriate policies.

As you may see from the letter-head, a large number of prominent public figures from all over the world sponsored the Sanctions Conference, and we are hoping that an even larger number will sponsor the Conference on South West Africa. In asking you to become a sponsor yourself, we wish to make it clear that in doing so you will not commit yourself to any conclusions that the Conference may reach. We ask only that you associate yourself with this urgent investigation of the whole issue.

I would greatly appreciate hearing from you as soon as possible.

Yours sincerely,

Ronald Segal

Ronald Segal

ISTITUTO ITALIANO DI CULTURA

1961

TEL. BELGRAVIA 1461

39 BELGRAVE SQUARE
LONDON S.W.1

17 dicembre 1965

Prof. Giulio Natta
Direttore
dell'Istituto di Chimica Industriale
Facolta' di Ingegneria
Politecnico
Piazza Leonardo da Vinci 32
Milano

670

Chiarissimo professore,

il prof. Alessandro Andres Livingston Bianchi docente di Chimica Industriale della Universita' Cattolica di Valparaiso, Cile, si trova attualmente a Londra per ragioni di studio e mi prega di chiederLe un appuntamento per il prossimo mese di gennaio quando intende recarsi in Italia. Il prof. Livingston Bianchi sostera' a Milano dal 24 al 29 gennaio e Le sarebbe molto grato se in quel periodo a Lei fosse possibile incontrarlo e offrirgli l'occasione di prendere contatto con altri colleghi della Sua Facolta' per un opportuno scambio di informazioni. L'indirizzo in Inghilterra del suddetto professore e' presso la ESSO Refinery, Chemistry Department, Fawley, Hants.

La ringrazio fin d'ora molto sentitamente per l'aiuto che vorra' cortesemente offrire allo studioso cileno, e la prego gradire i miei migliori saluti

Donini

prof. Filippo Donini
Direttore dell'Istituto
e Addetto Culturale

Mount Vernon House · Holly Hill · London NW3 · Hampstead 0822

30th March 1965

Professor Giulio Natta,
The Director,
Institute of Technology,
Piazza Leonardo da Vinci 32,
Milan,
Italy

My dear Dr. Natta,

I am writing to acknowledge and thank you for your signature of the Declaration presented to His Holiness the Pope. In the outcome we received 79 signatures, 38 from North America (where resident prizewinners were approached by Dr. E.L. Tatum of the Rockefeller Institute), and 41 from Europe and Asia. This represents an almost united response, particularly when it is remembered that time did not allow us to approach every prizewinner, and not all who would like to have signed were, in fact, able to do so.

The Declaration was submitted to the Vatican through the Apostolic Delegate in London, His Excellency Archbishop Cardinale. The letter accompanying the Declaration emphasised that its purpose was only to give the Pope first-hand evidence of the seriousness and sense of concern with which learned men all over the world look upon the consequences of an unregulated growth of population.

The whole matter has been kept private.

Yours sincerely,

P.B. Medawar.

March 18, 1965

Dr.P.B.Medawar,
Mount Vernon House,
Holly Hill,
London NW3

Dear Dr.Medawar,

With regard to your letter of March 13, I herewith enclose the duly signed declaration as you require.

Kindest personal regards.

Giulio Natta

Encl/

Mount Vernon House · Holly Hill · London NW3 · Hampstead 0822

13th March, 1965.

Professor Giulio Natta,
The Director,
Institute of Technology,
Milan,
Italy.

Dear Professor Natta,

Encl. You will have already received a cable asking for your support of the declaration (which I think is straightforward and not extravagantly worded).

In addition to your cabled reply, may I ask you, if you have agreed to support the declaration, to sign and return it in the enclosed envelope?

The declaration is to be handed to His Holiness by a Nobel Laureate.

Yours sincerely,

P.B. Medawar

London, N.W.3.

March 12th, 1965.

Proposed Declaration

We the undersigned Nobel Laureates are conscious of the great responsibility borne by your Holiness in appraising and acting upon the advice offered by the Commission you have appointed to study the problems of population and fertility control. Because of the profound bearing of your decision on human welfare and happiness, now and for many years to come, we urge you to give due weight to the ever growing opinion which contends

--- that the uncontrolled growth of population is a major ~~event~~ evil of present times;

--- that unwanted children are a source of unhappiness, privation and distress;

--- that parents should be able to exercise the right to have, so far as possible, only that number of children which can be cared for and cherished.

Linus Pauling

.....

I ~~approve~~ ~~and undersign your~~ ~~support and~~ undersign declaration for Vatican ~~presented Holy Father~~ on urgent ~~and~~ very important problem.

Giulio Natta

PB Medawar
Mount Vernon House
Hollyhill,
London NW3

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PROFESSOR GIULIO NATTA 1750

THE DIRECTOR INSTITUTE OF TECHNOLOGY MILAN

VIA M.PAGANO 54 486308

TELEGRAMMA *via Italcable via Italo Radio*

1965 MAR 17 26

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REA

NON RISPONDE

ORE_____SIGLA_____

BELIEVE PAPAL COMMISSION MEETING ON PARENTHOOD MARCH BWT GIVES NOBEL LAUREATES OPPORTUNITY FOR DECLARATION HELPDUL TOYARDS HUMANE SENSIBLE POLICY FAMILY PLANNING MATTERS STOP AM HOPEFUL YOUR SUPPORT STRAIGHT FORWARD DECLARATION FOR PRESENTATION TO VATICAN BY NOBEL LAUREATE STOP DECLARATION FOLLOWS , WE THE UNDERSIGNED NOBEL LAUREATES ARE CONCIOUS OF THE

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PAGE2/50 1750

TELEGRAMMA *via Italcable via Italo Radio*

1965 MAR 12 17 25

FAE A

Spazio riservato agli estremi di ricevimento

GREAT RESPONSIBILITY BORNE BY YOUR HOLINESS IN APPRAISING AND ACTING UPON THE ADVICE OFFERED BY THE COMMISSION YOU HAVE APPOINTED TO STUDY THE PROBLEMS OF POPULATION AND FERTILITY CONTROL STOP BECAUSE OF THE PROFOUND BEARINO OF YOUR DECISION ON HUMAN WELFARE AND HAPPINESS NOW AND FOR MANY YEARS TO COME

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PAGE3/50 1750





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WE URGE YOU TO GIVE DUE WEIGHT TO THE EVERGROWING OPINION WHICH CONTENDS THAT THE U CONTROLLED GROWTH OF POPULATION IS A MAJOR EVENT OF PRESENT TIME THAT UNWANTED CHILDREN ARE A SCOURCE OF UNHAPPINESS PRIVATION AND DISTRESS , THAT PARENTS SHOULD BE ABLE TO EXERCISE THE RIGHT TO HAVE

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TELEFONATE AL N. 8838

TELEGRAMMA *via Italcable via Italo Radio*

PAGE4/28 1750

1965 MAR 12 17 24

Spazio riservato agli estremi di ricevimento

REA

SO FAR AS POSSIBLE ONLY THAT NUMBER OF CHILDREN
WHICH CAN BE CARED FOR AND CHERISHED GRATEFUL YOUR
CABLED REPLY P B MEDAWAR MOUNT VERNON HOUSE
HOLLYHILL LONDONNW3

ALLEGATO
BUONO R. P.
N.

MOD. 100/MI-MLT/174 6.

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I UNDERSIGN DECLARATION FOR VATICAN ON URGENT VERY IMPORTA
PROBEEM -

GIULIO NATTA +

ITALCABLE 15-3-1965 MILANO

+-+-+-

Thyl.
(New Scientist)

March 15, 1965

Dr. Lynne Wilson
Editorial Department
Penguin Books Ltd.
Harmondsworth - Middlesex

Dear Dr. Wilson,

Thank you very much indeed for kindly sending me one copy of "The World in 1984", which was very much appreciated.

Sincerely yours,

G. Natta

TELEGRAMS AND CABLES:
PENGUINOOK, WEST DRAYTON

TELEPHONE
SKYPORT 1984 (7 LINES)

PENGUIN BOOKS LTD
HARMONDSWORTH · MIDDLESEX

25 February 1965

LW

Dear Professor Natta,

Today is our publication date for THE WORLD IN 1984 and I have pleasure in enclosing a complimentary copy for you.

Yours sincerely,

Lynne Wilson

Lynne Wilson
Editorial Department

Professor Giulio Natta
Instituto di Chimica Industrial de
Politecnico
Piazza Leonardo da Vinci 32
Milano
Italy

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April 16, 1964

976

Mr.Nigel Calder, Editor
"New Scientist"
Cromwell House,
Fulwood Place,
High Holborn,
London W.C.1. (Inghilterra)

Dear Mr.Calder,

I herewith enclose my article: "Organic Macromolecules in 1984" for publication in "New Scientist".

Hoping it will suit you for your series, I send you my kindest regards.

Giulio Natta

Encl/

NEW SCIENTIST

Cromwell House, Fulwood Place, High Holborn, W.C.1.

TELEPHONE: HOLBORN 7554

TELEGRAMS: NEWSCIENT, WESTCENT, LONDON

20 March, 1964

Professor Guilio Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

214

Dear Professor Natta,

I enclose a memorandum about the copyright of the 1984 series, which I hope you will find satisfactory.

The salient points are (a) that you are free to make such further use of your own contribution as you think fit, after its appearance in New Scientist, and (b) that we wish to put the series as a whole in the hands of a book publisher, royalties being shared by the authors.

Please do not trouble to reply unless you wish to raise any objections to these arrangements.

Yours sincerely,

Nigel Calder

Nigel Calder
Editor

d'accordo

PROPRIETORS: Harrison, Raison and Company Limited (Publishers of the NEW SOCIETY)

Sept.20, 1965

Mr.Wallace Michael Pasika,
The University of Liverpool,
Dept. of Inorganic, Physical
and Industrial Chemistry,
The Donnan Laboratories,
Vine Street,
Liverpool 7 (Inghilterra)

our ref.480 bis/lv

Dear doctor Pasika:

With regard to your letter of Aug.7, 1965 and further to my letter of Aug.27, I wish to confirm you that the lectures delivered at the Prague Symposium on Macromolecular Chemistry will be published in Polymer Symposia of Interscience Publishers, New York. I do not think it convenient to publish the same paper twice.

I mostly regret not being able to meet your wishes and send you kindest personal regards.

Giulio Natta

THE UNIVERSITY OF LIVERPOOL

TELEPHONE: ROYAL 6022
Extension 156

DEPARTMENT OF
INORGANIC, PHYSICAL AND INDUSTRIAL CHEMISTRY
THE DONNAN LABORATORIES
VINE STREET, LIVERPOOL, 7

August 7th, 1965.

Professor Guilio Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
Milano, Italy.

Dear Professor Natta:

Thank you for your letter of July 14th. It was disappointing to learn that pressur of other duties does not allow you to undertake the article.

I am wondering whether it would be possible for you to consider your Prague lecture as a contribution to AMC? The publishers are aware that contributors would wish to have their work published asearly as possible and have given me assurance that once they have the manuscripts publication will be undertaken immediately.

Naturally there are royalties attendent to the contribution. These are calculated on the publishedprice of the book pro rata to the number of printed pages in the contribution. There is the reservation of course that Academic Press have exclusive publication rights to the lecture material.

Sincerely yours,

Wallace Michael Pasika.

Prof. Natta
scrive a Prague
se è possibile
pubblicare
col Prague
nella serie "Advances
in Macromolecular
chemistry"

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Headington Hill Hall,
Oxford.

Telephone OXFORD 64881
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10th August, 1965.

Mr. G. Natta,
Istituto di Chimica Industriale del Politechnico,
Piazza Leonardo da Vinci 32,
Milano,
ITALY.

23 AGO 1965
475

Dear Mr. Natta,

EUROPEAN POLYMER JOURNAL

We wish to give further promotion to your journal and I wonder if you can help by providing names and addresses to which a notice could be sent? Such addresses could be in the form of membership lists of societies, delegates to conferences, government establishments manufacturers, exhibition catalogues, etc. We would also be able to purchase any directories or handbooks listing such material which you recommended.

A form is enclosed and I would be grateful if you could complete and return this, together with any material you are able to provide. Subsequent mailings will bring new subscriptions and further papers, contributing to the success of the journal.

This letter has been sent to all members of the Editorial Board so that, if you have already helped us in this way, you will understand that your contribution has not been overlooked. On the other hand, if at any time in the future you are able to help us again, please do not hesitate to contact me.

Yours sincerely,

Brian Painter
Sales Manager
Journals and Symposia

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LONDON OFFICE: PERGAMON HOUSE, 4 & 5, FITZROY SQUARE, LONDON W.1. TEL: EUSTON 4455

August 23, 1965

PERGAMON PRESS LTD.
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Herewith enclosed we send you back your invoice N° FJ 00680 dated August 12, 1965.

Please, notice that we ordered only 100 reprints, while 50 reprints were free of charge.

We look forward to receiving your correct invoice for 100 reprints only.

Sincerely yours,

Secretariat

Dec.3, 1965

Sir Robert Robinson,
Shell Centre,
Downstream Building,
London SE1 (Inghilterra)

our ref.647/lmv

Dear Robert,

Thank you for your kind letter of November 29.
I am glad to learn that you will most probably come to Switzerland next Summer; both Rosita and I do hope to meet you and Stearn.

I was much interested by the news on the synthesis of nitrogen oxide from oxygen and nitrogen. As you know, the direct synthesis is an endothermal process and the equilibrium conditions allow to obtain only small transformations at high temperatures, at which the reaction rate is high enough not to require the use of catalysts. That's why the process you speak of arouses my interest: I would like your giving me further information, e.g. the reaction temperature and the nitrogen oxide content in the gases obtained, in order to better consider the problem.
In particular, I would like to know whether the process takes place in two stages, one at a lower temperature and the other at a higher temperature, or whether it occurs at a given temperature and which is it.
I do not think that the introduction of nitrogen to Al-O-Al link is possible from a thermodynamic point of view, unless metal Al or another free metal is present. From a thermodynamic standpoint, the addition of oxygen and nitrogen with substitution of the bond, at a not too high temperature, is less improbable:

$$-Al=O + \tfrac{1}{2}N_2 + \tfrac{1}{2}O_2 \longrightarrow -AlO_2N$$

which, on its turn, might decompose at higher temperatures into aluminum oxide and nitrogen oxide. Such a reaction, however, is not known.

With regard to your desire to know my views about the next Nobel Prize for Chemistry, my preferences would be preferably directed toward an inorganic chemist or a physical chemist. To speak frankly, however, I could not take my bearings on the possible candidates yet.

With best wishes to you and Stearn,

SIR ROBERT ROBINSON

Telephone: Waterloo 1212 Shell Centre, Downstream Building, London, SE1

647

29th November 1965.

Dear Giulio,

I received your letter with great pleasure and must thank you and Rosita for the kind arrangements you recently made for Stearn in Rome. She was very appreciative of them.

In regard to a visit to Switzerland in 1966, I think this is more likely to take place in the early summer than in the spring. Would this be at all possible on your side - in other words do you intend to reside at Celerina for example in early July? If that were so, I could arrange the trip so as to end it at Pontresina when we could conveniently meet.

Two of our chemists working under the Gas Council at the Basic Science Laboratory have found that nitrogen (presumably plus oxygen) yields nitric oxide under the influence of a specially prepared alumina (dehydration of precipitated, washed aluminium hydroxide) at an elevated temperature. They attribute the mechanism to the addition of nitrogen to Al - O - Al links, but do you not think it is more likely to be a kind of Ziegler/Natta catalysis? Looked at from that point of view it certainly does suggest quite a number of other interesting possibilities.

Eventually I would be glad to know what your views are about the next Nobel Prize for Chemistry.

With warmest good wishes to you and Rosita,

Robert

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

Nov.17,1965

Sir Robert Robinson,
Shell Centre,
Downstream Building,
London S.E.1 (Inghilterra)

our ref. 590/lmv

Dear Robert,

I have come back from Rome, where I met Stearn with great pleasure. Stearn is always very active and full of wit.

Thank you very much for your kind letter of Oct.27 and for your suggestions of scientists deserving the 1966 Nobel Prize for Chemistry.

I know that Stearn and Rosita have spoken about a possible meeting in Italy or in Switzerland next spring. I shall be very pleased if that meeting comes true.

Kindest personal regards,

Giulio Natta

SIR ROBERT ROBINSON

Telephone: Waterloo 1212 Shell Centre, Downstream Building, London, SE1

590

27th October 1965.

Dear Giulio,

Many thanks for your letter of October 19th, in reply to which I would first say that you, as a Laureate, will receive each year an invitation to nominate for the Prizes in Chemistry and Physics. Your colleagues of Pisa University are in a different position, having been selected in accordance with the Nobel Committee's scheme for rotation of all interested and suitable University Departments.

Last year Professor A. J. Birch nominated J. W. Cornforth and G. Popják for their brilliant work on the course of the biosynthesis of steroids, carotenoids and other isopentenoids on the one hand, and rubber on the other. They showed that the hydrogens of a methylene group in a molecule chemi-adsorbed on the asymmetric enzyme have specific functions. By means of isotopically marked mevalonic acid and subsequent degradation of the complex molecule or macromolecule produced with one of these stereochemically characterised hydrogens of the methylene group, it was shown that the paths to steroids and to rubber diverged as a result of the choice of one or other of these apparently identically situated hydrogen atoms. This struck me as being an extremely novel and significant piece of work and, when added to what Cornforth had already done in relation to the first synthesis of the steroid nucleus, I considered it desirable to support Birch's nomination. Actually I knew that Woodward had been nominated by a veritable crowd of chemists and I gave my support to him verbally on several occasions.

I shall feel it my duty to continue the nomination of Cornforth and Popják, but I am well aware that there are many other most deserving candidates. For example, in U.S.A. I would think of Merrifield of the Rockefeller Institute who, as you know, has synthesised polypeptides by growing the chains on polystyrene. However, he is quite young and very active, so that I am sure his case will increase in importance in the next few years. Then there is Skell of Pennsylvania, who seems to me to have made very remarkable advances in showing that a large part of the gas from a carbon arc consists of C_3. This little naked allene stick is then reacted with olefines and the resulting cyclopropane derivatives have even been characterised from a stereochemical point of view. If Skell were nominated, I think he might be combined with one of our own men, namely Thomas of our Thornton Laboratory. His work with the cyclostat

is very similar to that of Skell. It consists in producing free radicals at a low temperature and holding them so that their reactions and physical properties can be studied.

These suggestions all deal with completely novel material and I think that is what the Nobel Committee in Stockholm likes to recognise.

If I may pass the ball into your court, I would ask whether there are suggestions of your own relating to European chemists that you would like to mention for my consideration. I have not yet sent off the Nomination Forms; incidentally, I never fill up a nomination for the Physics Prize.

Stearn thinks that Rosita's letter which you mention has somehow gone astray, as she has not yet received it. However, she has the intention to go with me to Brussels for an Honorary Degree ceremony on the 9th November. On the 10th or 11th she could proceed to Rome and return that way to London. In fact, it is her present intention to do this and airplane passages are being arranged. I expect she will write to Rosita herself in order to confirm what her movements are likely to be. I am not quite sure, but it is possible that she has business in Rome which could be attended to at the time proposed. I know that she would be delighted to meet you and Rosita and fall in with any arrangements which you may make. She has been working extremely hard and I hope she will extend the visit a little bit so as to get a much needed rest.

With warmest regards to you and Rosita from both of us,

Yours ever
Robert

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

Hugh -

Oct.19, 1965

Sir Robert Robinson
170 Piccadilly,
London W.1. (Inghilterra)

Dear Robert,

The Academy of Sciences of Stockholm invited me to make Nobel proposals for Chemistry and Physics. I have been told that also some colleagues of mine of the Pisa University received an analogous request with regard to the Nobel Prize for Chemistry.

Before sending our proposal, I would like to know your trend as well as that of the English colleagues. Please, let me know your mind on this matter.

We will be very glad to meet Stearn in Italy; as Rosita wrote to her, we will go to Rome on November 12 and would be very happy if she comes there with us.

Kindest personal regards from Rosita and myself to you and Stearn.

Giulio Natta

Duplicate copie

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Telephone: Dunfermline 23535

Dr. G. Natta,
Institute of Industrial Chemistry,
Politecn.,
Milan,
Italy.

27th April, 1965.

Dear Dr. Natta,

We are very interested in compounds of the types shown below, with which I believe you have worked, and I wondered if you might be willing to assist us by loaning spectra of any of these for copying into our Index ?

I.R. Spectra of the trans-1,4 isostatic polymers (Chim. Ind, Milan, 46 (10), 1158-64)

Any spetra loaned will be returned expeditiously, and your name and organisation will be copied against each, unless you request otherwise. Any copies made from your spectra will therefore bear your name. The Centre's frame numbers will be marked on all spectra so that you can publish the data in papers simply by quoting these.

The Centre has a large collection of spectra of various types. We try to assist those loaning us data and give credits for loans of substantial numbers of spectra.

We should be very grateful if you could give us any help to assist the flow of scientific information.

Yours truly,
P. S. Davison.

August 27, 1965

Dr. Wallace Michael Pasika
The University of Liverpool
Dept. of Inorganic, Physical
and Industrial Chemistry
Vine Street,
Liverpool 7

our ref. 480/eg

Dear Doctor Pasika,

Your letter of August 7 reaches me just now that I leave for the Prague Congress. During my stay there, I will try to get information on the program of publishing the papers presented at the Prague Symposium of Macromolecular Chemistry, in order to see whether the publication in other volumes than that foreseen by the Congress is possible. In any case, the topic I deal with in my Prague lecture, is very limited since it exclusively deals with the stereospecific polymerization of hydrocarbons; therefore I do not know whether it can be published in your AMC in the present draft.

On my return to Milan, I will answer you on this matter.

Best regards.

G. Natta

THE UNIVERSITY OF LIVERPOOL

TELEPHONE: ROYAL 6022
Extension 356

DEPARTMENT OF
INORGANIC, PHYSICAL AND INDUSTRIAL CHEMISTRY
THE DONNAN LABORATORIES
VINE STREET, LIVERPOOL, 7

Professor Guilio Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
Milano, Italy.

August 7th, 1965.

480

Dear Professor Natta:

Thank you for your letter of July 14th. It was disappointing to learn that pressur of other duties does not allow you to undertake the article.

I am wondering whether it would be possible for you to consider your Prague lecture as a contribution to AMC? The publishers are aware that contributors would wish to have their work published as early as possible and have given me assurance that once they have the manuscripts publication will be undertaken immediately.

Naturally there are royalties attendant to the contribution. These are calculated on the published price of the book pro rata to the number of printed pages in the contribution. There is the reservation of course that Academic Press have exclusive publication rights to the lecture material.

Sincerely yours,
Wallace Michael Pasika
Wallace Michael Pasika.

Prof. Natta
sentire a Prague
se è possibile
pubblicare la
sua Prague
nella serie "Adv
in Macromol
chemistry"

July 14, 1965

Dr.Wallace Michael Pasika,
Dept.of Inorganic, Physical and
Industrial Chemistry,
The Donnan Laboratories,
The University of Liverpool,
Vine Street,
Liverpool 7 (Inghilterra)

our ref.416/lw

Dear Dr.Pasika,

Thank you for your letter of July 3. After re-examining your proposal on the basis of my previous duties, I have come to the conclusion that I cannot take any further engagement for the whole 1966. Therefore, you should kindly entrust someone else with the task of writing the article you desire.

I mostly regret that I cannot fulfil your hopes, and send you my kindest personal regards.

Giulio Natta

June21, 1965

Prof. Wallace Michael Pasika
The University of Liverpool
Dept. of Inorganic, Physical and
Industrial Chemistry
The Donnan Laboratories
Vine Street, Liverpool,7

ur ref. 370/eg

Dear Professor Pasika:

Thank you for your kind letter of June 9, and for your invitation to contribute an article for "Advances in Macromolecular Chemistry".

Unfortunately I am so overwhelmed with duties that I have no time at my disposal to write a thorough review on the subject you require.

I am just writing a long lecture on that topic, for the International Symposium on Macromolecular Chemistry, Prague (August 28- September 5, 1965).

If you think it convenient to receive the manuscript of the review within next year, I will re-examine the possibility to write it.

Sincerely yours,

G. Natta

THE UNIVERSITY OF LIVERPOOL

TELEPHONE: ROYAL 6022
Extension 356

DEPARTMENT OF
INORGANIC, PHYSICAL AND INDUSTRIAL CHEMISTRY
THE DONNAN LABORATORIES
VINE STREET, LIVERPOOL, 7

July 3rd, 1965.

Prof. Guilio Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci 32,
Milano, Italy.

416

Dear Professor Natta:

Thank you very much for your letter of June 21 and your interest in "Advances in Macromolecular Chemistry".

The deadline for manuscript submission has not been set. Naturally, the publishers and I are anxious for as early a publication date as is possible. Therefore, I would appreciate it if you could let me know what is the earliest date by which I might receive your manuscript, should you decide that your other duties will allow you to make a contribution. A rough estimate of the possible length would also be appreciated. The deadline will be set only after consultation with contributing authors.

I should mention the basis of royalties is eight percent of the published price of the book calculated pro rata to the number of printed pages in the contribution. The royalties will be paid in March of every year for book sales of the previous year.

I will be glad to answer any questions you may have about "Advances in Macromolecular Chemistry" and look forward to hearing from you.

Yours sincerely,
Wallace Michael Pasika

Wallace Michael Pasika

m.

THE UNIVERSITY OF LIVERPOOL

TELEPHONE: ROYAL 6022
Extension 356

DEPARTMENT OF
INORGANIC, PHYSICAL AND INDUSTRIAL CHEMISTRY
THE DONNAN LABORATORIES
VINE STREET, LIVERPOOL, 7

370

June 9, 1965.

Prof. Guilio Natta,
Consiglio Nazionale dell Richerche,
Instituto di Chimica,
Industriale del Politecino,
Milano, Italia.

Dear Professor Natta:

Academic Press is initiating a series entitled "Advances in Macromolecular Chemistry", the aim and scope of which will be to review the forefront of macromolecular research and to provide informative reviews on the more established aspects of macromolecular chemistry.

As editor, I would like to extend an invitation to you to contribute an article on Stereoregular Polymerization Mechanisms. The choice of contribution format would rest with you but, no doubt, would be based on how best you think the contribution would benefit research workers in the high polymer field.

I sincerely hope that you will find it possible to undertake such a contribution and look forward to hearing from you in this regard.

Yours truly,
Wallace Michael Pasika

Wallace Michael Pasika.

m.

1964

July 13, 1964

Dr.P.H.Plesch,
Dept.of Chemistry,
University of Keele,
Keele, Staffordshire (Inghilterr

our ref.532/lv

Dear Doctor Plesch,

With regard to your letter of July 6, I will be very gl[illegible] to act as a referee, if required by the University of Lei[illegible]ester, since I have always very much appreciated the rese[illegible]ch work you have been developing in the field of polymer[illegible]ations.

To make my task easier, please, send me the list . your papers and a short description of the results obtain[illegible]ed in the various fields you have dealt with.

Kindest personal regards,

Giulio Natta

UNIVERSITY OF KEELE

Dr. P. H. Plesch
DEPARTMENT OF CHEMISTRY.

KEELE,
STAFFORDSHIRE.

TELEPHONE: KEELE PARK 371

Prof. G. Natta, N.L.
Istituto di Chimica
Industriale,
Piazza Leonardo da Vinci 32,
Milano, Italy.

6.7.64. 532

Dear Professor Natta,

I am applying for a Chair of Chemistry at the University of Leicester, England. In this application I need to give three Referees, and I would like to know whether you would be good enough to act as one of these. I would very much appreciate your help in this matter. There is no need to write anything at present - the University of Leicester will, no doubt, write to you directly.

With very best personal regards,

Sincerely yours,

PHPlesch

Dupl.

UNIVERSITY OF KEELE

624

Dr. P.H.Plesch
DEPARTMENT OF CHEMISTRY.

KEELE
STAFFORDSHIRE.
TELEPHONE: KEELE PARK 371

Prof.Dr.G.Natta, N.L.
Piazza Leonardo da Vinci,32
Milano, Italy.

29.7.64.

Your ref. 532/ev.

Dear Professor Natta,

Through the unfortunate postal strike in this country I only received your kind letter of 13.7. to-day, and I thank you most warmly for it. I enclose herewith a copy of my complete application, from which you will see details of my career and publications. In response to your request I give below some details of the results obtained by myself and my collaborators, with references to the papers listed in the Application.

Nos. 7-13 refer to the discovery of Co-catalysis (the word was invented by me) and contain the basic observations and some theoretical discussions.

No.26 contains the first detailed discussion of the differences between transfer and termination reactions, and this theme is developed further in No.28, where also some energetic aspects of cationic polymerisation are discussed, and this theme is further developed in No.29.

Papers 21, 27, and 36 on stilbene contain, among other things evidence that cis-stilbene is not isomerised to trans by cationic catalysts- in contradiction to Price's original findings - later Price admitted that he had been wrong.

Nos.31,32,40 describe technical innovations which have been adopted by many workers and by means of which really rigorous experimentation with fast reactions becomes possible.

Nos.33,34,38 are concerned with fundamental studies on the mechanism of catalytic action of metal halides - among other things we found the self-dissociation of titanium tetrachloride and the electrochemical preparation of titanium trichloride.

Nos.39 and 44 showed that Medvedev and Gantmakher's ideas on catalysis by metal halides are wrong.

No.54 gives for the first time a comprehensive explanation of the very peculiar variations in degree of polymerisation which are often found in cationic polymerisation.

By far the most important of my recent papers is No.55 which is due to appear in the July No. of Proc.Chem.Soc. We have shown there by comparison of spectroscopic, conductimetric and calorimetric measurements that the polymerisation of styrene by perchloric acid is not an ionic reaction - the ions are formed only after the end of the reaction. We have since made similar findings with other catalysts and monomers - this discovery is comparable in its implications with the discovery of co-catalysis. It means that

Peppers interpretations of the polymerisations of styrene by sulphuric and perchloric acids is quite wrong.
Paper A.1 describes the first successful fractionation of a really high M.Wt. elastomer.
Paper A.2 contains evidence that for the polym. by aluminium chloride of isobutene, water is not required - probably solvent co-catalysis.
In Paper A.3. we show that the very peculiar behaviour found when isobutene is polymerised with titanium tetrachloride and water can be explained by simultaneous reaction of free ions and ionpairs. This is the first demonstration of this effect. When I talked about this at last year's Gordon Conference, and explained in detail the electrochemical aspects, Szwarc took up the idea and found that it served to explain some of the anomalies which he had found in anionic polymerisations, - and Figini in Mainz had come to the same conclusion independently.
Papers A.4 and A.5 are back-ground studies to the free ion - ionpair problem, and in this work we found some radically new things concerning the applicability of the Bjerrum Fuoss equation.
Paper A.6. belongs to the same study, and our findings lead us to the rather revolutionary conclusion that there is no method by which the effect of the Dielectric Constant of a solvent or a reaction can be studied, so that an enquiry concerning the effect of D.C. alone (apart from the "specific solvent effects") is scientifically meaningless.

I hope that these explanations will be helpful to you, and of course I will be glad to give any further information which you may require. - I enclose a few reprints which may be of interest to you.

With my very best personal regards and thanks,

Sincerely yours,

ITALCABLE

Prefisso e Numero - Provenienza - Numero Parole - Data - Ore - Indicazioni eventuali

LMS179 AGM3481 A9 KEELEPARKNEWCASTLESTAFFS 16 30 0110

TELEFONATA AL N. 8838

TF 29212 5MILAN

PROFESSOR NATTA MILAN

P.za L. da Vinci 32
Milano

TELEGRAMMA *via Italcable via Italo Radio*

30 5 31

ITALCABLE 30-7-1964 MILANO

Spazio riservato agli estremi di ricevimento

YOUR LETTER OF 13TH JULY JUST RECEIVED REPLY POSTED TODAY THANKS

PLESCH

TELEFONATO ORE 0910 SIGLA

MOD. 100/M1-ML7/174 E.

Il Governo Italiano e la Società Italcable non assumono alcuna responsabilità in conseguenza del servizio telegrafico
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THE UNIVERSITY OF LIVERPOOL

From:
PROFESSOR C. H. BAMFORD,
TELEPHONE: ROYAL 6022
Extension 310

DEPARTMENT OF
INORGANIC, PHYSICAL AND INDUSTRIAL CHEMISTRY
THE DONNAN LABORATORIES
VINE STREET, LIVERPOOL, 7

13th January, 1965.

Professor G. Natta,
Instituto di Chimica Industriale del
Politecnico di Milano,
Milan, Italy.

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Tugh.
(vedi N 814 (1964))

Dear Professor Natta,

We are delighted to hear from Dr. Atkins of Elsevier Publishing Company that you have consented to join the Editorial Board of "Comprehensive Chemical Kinetics". We feel this is a very worthwhile undertaking and we shall be extremely grateful for your advice.

We enclose a copy of a draft of topics for Section 1, Volumes 1 - 3, for you to consider, and would be most pleased to have any comments you may care to make.

With kind regards,

Yours sincerely,

C H Bamford.

April 7, 1964

Dr.James C.Coppola,
Davy Faraday Research Laboratory,
The Royal Institution,
21 Albemarle Street,
London, W.1. (Inghilterra)

cc : Prof.Paolo Corradini
Istituto Chimica Generale,
Università - Napoli -

our ref.239/lv

Dear Doctor Coppola:

Thank you for your letter of April 1, from which I learn your wish to stay in Italy for one year to develop X-ray investigations on proteins.

At my Institute, we have never done research on structures in the biological field; therefore I suggest you to address yourself to Prof.Corradini, Directoreof the Institute of General Chemistry, Naples University, who is very qualified in the field of structures. Also Prof.Liquori, Director of the Institute of Physical Chemistry, Naples University, has investigated on biological problems.

I send a copy of your letter and of the letter I am writing to you to Prof.Corradini.
If you wish to go to Naples, you should write to Prof.Corradini directly.

With regard to your settling in Italy, I remind you that the Italian Ministry of Education grants fellowships. If you are interested in, you should send your application to the Italian Embassy in England.

Sincerely yours,

Giulio Natta

DAVY FARADAY RESEARCH
LABORATORY.

DIRECTOR: SIR LAWRENCE BRAGG, F.R.S.

TELEPHONE:
HYDE PARK 0669.

THE ROYAL INSTITUTION,
21, ALBEMARLE STREET,
LONDON, W.1.

1 April 1964.

Professor G. Natta
Via Mario Pagano 54,
Milano.

Dear Professor Natta:

I am an American crystallographer who has been in England for the past five years. I have studied for the Ph.D. at University College London from 1959 to 1962. From 1962 to the present I have been doing research at The Royal Institution on the crystal structure of proteins, specifically, the structure of -lactoglobulin.

While attending the 6th International Congress of Crystallography in Roma during September 1963, I developed a great liking for Italy - the country and the people. Although I had planned to return to America in September 1964, I would like to consider a temporary (approximately 1 year) position in Italy is such were possible. I am therefore writing to you to enquire if you could recommend to me a university crystallographic laboratory in one of the larger cities (Milano, Roma, Firenze, Napoli, etc.) where molecular structures of biological importance are being investigated. I would, of course, prefer a laboratory where protein crystallography is being studied, but I do not believe that such work is currently being done in Italy. Large organic molecules of biological importance also interest me, and I would very much appreciate your advice concerning the availability of such a position in one of the universities.

I hope you will forgive my imposition on you, but since you are so well known in relation to this field of study, I have assumed that you can help me more than anyone else.

Very truly yours,

James C. Coppola

James C. Coppola

Dec.28, 1964

Mr.E.W.Duck,
Research & Development Manager,
The International Synthetic RubberCo
Brunswick House,
Brunswick Place,
Southampton, Hants (Inghilterra)

your ref.EWD/CJ
our ref.880/lv

Dear Mr.Duck;

With regard to your letter of Dec.16, I wish to inform you that I would like you to meet, on your visit here, my co-worker, Prof. Lido PORRI. Due to previous engagements, he is not free on Jan.21, morning, and on Jan.22, afternoon.
Therefore, if possible, I would mostly appreciate your visiting us on Jan.20; otherwise, Prof.Porri will meet you on Jan.21 afternoon or on Jan.22, morning.

Kind regards,

Giulio Natta

The International Synthetic Rubber Company Limited
Brunswick House, Brunswick Place, Southampton, Hants

Telephone 28901 (Night Answering Service)
Telex 47519 (Answer Back: INTOL SOTON)

Our ref. EWD/CJ

16th December, 1964.

Professor G. Natta,
Istitute di Chimica Industriale del Politechnico,
Piazza Leonardo da Vinci, 32,
Milan,
Italy.

880

Dear Professor Natta,

Many thanks for your letter of the 9th November confirming the visit of our competition winner, Mr. G. P. Wilson.

Mr. Wilson's itinerary has now been finalised and it is planned to be in Milan on Thursday, 21st January. Although this is the preferred date for the visit it would be possible to alter this to the 22nd January should the Thursday not be convenient for you.

I shall be accompanying Mr. Wilson on this visit and on my arrival in Milan I will contact your Institute by telephone in order to confirm the exact time you would like us to arrive at your Institute.

I am very grateful for your co-operation in arranging this visit and I look forward to seeing you in January.

My best regards and sincerest wishes to you for the Christmas season.

Yours sincerely,

E. W. Duck
Research and Development Manager

Nov.9, 1964

Dr.E.W.Duck,
Research & Development Manager
The International Synthetic
Rubber Co. Ltd.,
Hardley, Hythe, Southampton
(Inghilterra)

your ref.EWD/CJ/13157
our ref.770/lv

Dear Doctor Duck,

With regard to your letter of Oct.28, I am glad to inform you that Mr.G.P.Wilson can come and visit my Institure in mid January 1965.

Please, let me know the exact date of his visit here.

Kind regards,

Giulio Natta

Plant and Laboratories at -
HARDLEY,
HYTHE, SOUTHAMPTON
Telephone: Blackfield 3141

The International Synthetic Rubber Company Limited
Brunswick House, Brunswick Place, Southampton, Hants

Telephone 28901 (Night Answering Service)
Telex 47519 (Answer Back: INTOL SOTON)

Our ref. EWD/CJ/13157

28th October, 1964.

Professor G. Natta,
Istitute di Chimica Industriale del
Politechnico,
Piazza Leonardo da Vinci, 32,
Milan,
Italy.

2
470

Dear Professor Natta,

Some time ago you kindly consented to a visit at your Institute by the winner of The International Synthetic Rubber Co. Ltd. Essay Competition.

The winner of this competition is Mr. G. P. Wilson who is the Assistant Chief Chemist of Volcrepe Ltd., a rubber company in the United Kingdom. Mr. Wilson would be able to avail himself of the prize and make a visit to your Institute in mid January 1965.

Could you please let me know whether a date about this period would be convenient from your point of view.

Many Kind Regards,

Yours sincerely,

E W Duck

Dr. E. W. Duck
Research and Development Manager

June 24, 1964

Mr.John Miles,
Glamorgan Education Authority,
Sandfields Comprehensive School,
Southdown View,
Port Talbot, Glam. (S.Wales)
Inghilterra

our ref.458/lv

Dear Mr.Miles,

Thank you for your kind letter of June 12, 1964. I mostly regret informing you that, at present, I am so overwhelmed with duties that it will be impossible for me to write the article you desire, at least for 1964 and 1965.

Kindest regards,

Giulio Natta

GLAMORGAN EDUCATION AUTHORITY

R. J. Williams, B.A., B.Com.,
Headmaster.

Telephone : PORT TALBOT 3083

In reply please quote

Sandfields Comprehensive School,
Southdown View,
Port Talbot, Glam.
S. WALES.
U.K.

458

12th June 1964

Dear Sir,

About a year ago we started a School Chemical Society Magazine. We are now hoping to extend this magazine's activities by inviting well-known people to write articles on Chemistry or Education.

I know this is a very busy time for you and if it is inconvenient at the moment would it be possible to have a contribution from you at a future date.

Yours Sincerely,
John Miles
(Head of Chemistry Dept.)

National College of Rubber Technology

DIRECTOR
J. LEICESTER
M.Sc., M.Sc.Tech., Ph.D., F.R.I.C.

HEAD OF THE NATIONAL COLLEGE
F. H. COTTON
Ph.D., M.Sc., F.R.I.C., F.I.R.I.

CLERK TO THE BOARD OF GOVERNORS
R. H. CURRELL
F.C.A.

Northern Polytechnic
Holloway
London, N.7

TELEPHONE: NORTH 4231/2

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DWA/SW

14th April, 1964

Professor G. Natta,
Instituto di Chimica Industrial del Politecnico,
Piazza Leonardo da Vinci, 32
Milano,
ITALY.

Dear Professor Natta,

I would be grateful if you would convey our thanks to all those who helped to make our recent visit to your Research Laboratories so interesting and instructive.

Although we were naturally disappointed at not being able to meet you personally, the visit was enjoyed greatly by all concerned, and I feel sure that every member of our party derived great value from it.

Please accept our kind regards and good wishes for the future.

Yours sincerely,

D.W. AUBREY
Lecturer.

National College of Rubber Technology

DIRECTOR
J. LEICESTER
M.Sc., M.Sc.Tech., Ph.D., F.R.I.C.

HEAD OF THE NATIONAL COLLEGE
F. H. COTTON
Ph.D., M.Sc., F.R.I.C., F.I.R.I.

CLERK TO THE BOARD OF GOVERNORS
R. H. CURRELL
F.C.A.

Northern Polytechnic
Holloway
London, N.7.

TELEPHONE: NORTH 4231/2

DWA/OM

Professor G. Natta,
Instituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci, 32
MILANO,
Italy.

2nd March, 1964

Dear Professor Natta,

Many thanks for your letter of 21st February regarding a visit by our student party on the afternoon of Wednesday, April 8th. We shall be sorry not to meet you during our visit to Italy, but we are grateful to you for affording us the opportunity of visiting the Institute.

I shall, as you suggest, speak with your Secretary immediately upon arrival.

Yours faithfully,

Dr. D. W. AUBREY. (Lecturer)

February 21, 1964

Dr. D.W. Aubrey
National College of
Rubber Technology
Northern Polytechnic
Holloway, London N.7

our ref. 114/eg

Dear Doctor Aubrey,

With regard to your kind letter of February 14, I wish to inform you that you can certainly bring a party of about 15 students to visit my laboratories.

Unfortunately I shall be absent from Milan on that period - however on your arrival here you can speak with my secretary, and she will arrange your visit to the Institute, with a co-worker of mine.

Sorry to miss this opportunity to meet you, I send you my kindest regards.

G. Natta

National College of Rubber Technology

DIRECTOR
J. LEICESTER
M.Sc., M.Sc.Tech., Ph.D., F.R.I.C.

HEAD OF THE NATIONAL COLLEGE
F. H. COTTON
Ph.D., M.Sc., F.R.I.C., F.I.R.I.

CLERK TO THE BOARD OF GOVERNORS
R. H CURRELL
F.C.A.

Northern Polytechnic
Holloway
London, N.7

TELEPHONE: NORTH 4231/2

DWA/OM

114

Professor G. Natta,
Politecnico Milano,
MILANO,
Italy.

14th February, 1964

Dear Professor Natta,

You may remember that on 8th April 1959 a group of students from this College visited your department in the Milano Politecnico and found it most interesting and instructive.

I am making arrangements to bring a party of about 15 students from this College on a tour of rubber abd plastics establishments in Italy this April. We would very much like to meet you and see your laboratories, if this is possible.

We expect to arrive in Milano at 13.12 on Wednesday, April 8th, and would very much like to visit you during the afternoon, if you could spare us a few minutes of your valuable time.

We look forward to your approval of our visit.

Yours faithfully,

D. W. AUBREY. (Lecturer)

July 22, 1964

Mr.Nigel Calder, Editor
NEW SCIENTIST
Cromwell House, Fulwood Place,
High Holborn, W.C.1.
London (Inghilterra)

our ref.544/lv

Dear Mr.Calder,

Thank you very much for kindly sending me the copy of New Scientist containing my article. I have appreciated your kindness very much.

With kindest personal regards,

Giulio Natta

NEW SCIENTIST

Cromwell House, Fulwood Place, High Holborn, W.C.1.

TELEPHONE: HOLBORN 7554

TELEGRAMS: NEWSCIENT, WESTCENT, LONDON

8 July, 1964

544

Professor Giulio Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci, 32,
Milano,
Italy.

Dear Professor Natta,

I enclose a copy of tomorrow's issue of New Scientist containing your article. I hope that you find the presentation satisfactory. We are very grateful for your cooperation.

Yours sincerely,

Nigel Calder

Nigel Calder
Editor

PROPRIETORS: Harrison, Raison and Company Limited (Publishers of the NEW SOCIETY)

NEW SCIENTIST

Cromwell House, Fulwood Place, High Holborn, W.C.1.
TELEPHONE: HOLBORN 7554
TELEGRAMS: NEWSCIENT, WESTCENT, LONDON

Professor Giulio Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

Dear Professor Natta,

I enclose two sets of galley proofs and should be grateful if you would return one corrected set.

I also enclose a reprint order form in case reprints are required, and a form for biographical details so that we can make out our notes on contributors published at the back of the magazine. Both forms should be returned with the corrected proofs.

Yours sincerely,

Jill Greenshields

Secretary to Peter Williams,
Deputy Editor.

PROPRIETORS: Harrison, Raison and Company Limited (Publishers of the NEW SOCIETY)

NEW SCIENTIST

Cromwell House, Fulwood Place, High Holborn, W.C.1.

TELEPHONE: HOLBORN 7554

TELEGRAMS: NEWSCIENT, WESTCENT, LONDON

20 April, 1964

Professor Giulio Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci, 32,
Milano,
Italy.

Dear Professor Natta,

Thank you very much indeed for sending me your article on "Organic macromolecules in 1964".

Yours sincerely,

Nigel Calder

Nigel Calder
Editor

PROPRIETORS: Harrison, Raison and Company Limited (Publishers of the NEW SOCIETY)

March 4, 1964

Mr.Nigel Calder, Editor
New Scientist
Cromwell House, Fulwood Place,
High Holborn,
London W.C.1. (Inghilterra)

our ref.154/lv

Dear Mr.Calder,

Further to our previous correspondence, and answering your letter of Feb.26, 1964, I wish to inform you that I have decided to write the article on organic macromolecules for your series on 1984.

I have already started to write it and will sent it to you as soon as ready.

Sincerely yours,

Giulio Natta

NEW SCIENTIST

Cromwell House, Fulwood Place, High Holborn, W.C.1.

TELEPHONE: HOLBORN 7554

TELEGRAMS: NEWSCIENT, WESTCENT, LONDON

26 February, 1964

Professor Guilio Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

Dear Professor Natta,

Further to my letter of 21 January, I should be grateful to know if you have decided to take part in our series on 1984. I very much hope that you have.

Yours sincerely,

Nigel Calder

Nigel Calder
Editor

PROPRIETORS: Harrison, Raison and Company Limited (Publishers of the NEW SOCIETY)

NEW SCIENTIST

Cromwell House, Fulwood Place, High Holborn, W.C.1.

TELEPHONE: HOLBORN 7554

TELEGRAMS: NEWSCIENT, WESTCENT, LONDON

21 January, 1964

Professor Guilio Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

51

Dear Professor Natta,

Thank you for your letter of 16 January. I have considered your suggestion that you might confine your contribution to the 1984 series to organic macromolecules, and I have come to the conclusion that this would be quite acceptable. It would mean that we might have to find another author to deal with some of the other topics.

I hope that, on consideration, you will decide to take part in our series.

With best wishes,

Yours sincerely,

Nigel Calder

Nigel Calder
Editor

PROPRIETORS: Harrison, Raison and Company Limited (Publishers of the NEW SOCIETY)

January 16, 1964

Mr. Nigel Calder, Editor
New Scientist
Cromwell House, Fulwood Place
High Holborn, W.C.1

ref. 13/eg

Dear Mr. Calder,

Thank you for your letter of January 8, 1964 and for inviting me to write a piece on "chemicals in 1984" for New Scientist.

I would like to know whether I can limit my description only to the chemical organic macromolecular compounds.

Please let me know your mind about it and I will tell you my definitive decision.

With my kind regards.

G. Natta

NEW SCIENTIST

Cromwell House, Fulwood Place, High Holborn, W.C.1.

TELEPHONE: HOLBORN 7554

TELEGRAMS: NEWSCIENT, WESTCENT, LONDON

8 January, 1964

13

Professor Giulio Natta,
Department of Industrial Chemistry,
Politecnico di Milano,
Piazza Leonardo da Vinci 32,
Milan,
Italy.

Dear Professor Natta,

I hope that you will be willing to make a short contribution to the series on 1984 that New Scientist is planning for the first half of 1964. A brief explanation of the series is given on the duplicated pages enclosed.

I am anxious that you should write for us about "Chemicals in 1984". You may like to deal particularly with new chemical products and new applications.

The piece should be 800 to 1200 words in length, and we should want to receive it by 1 March. We propose a fee of £20.

For your information, I have invited Professor Koichi Yamada to write under the same general heading about biological techniques for industry and Mr H. W. Slotboom on the prospects for oil and petrochemicals. I believe that if we can attain the high level of contributors that we have planned, the series will, collectively, be a most important statement.

I should be grateful to have your reaction as soon as possible.

Yours sincerely,
Nigel Calder

Nigel Calder
Editor

PROPRIETORS: Harrison, Raison and Company Limited (Publishers of the NEW SOCIETY)

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Oxford.

Telegraphic Address: PERGAPRESS, OXFORD
Telephone: OXFORD 64881.
Telex 83177

MANAGING DIRECTOR'S ROOM

/SD

27th April, 1964.

Secretary to Professor Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardoda Vinci 32,
Milano,
Italy.

Thank you for your letter of the 13th April informing me that you have forwarded Dr. Ziegler's letter on to him.

I do apologize for this error and hope that it did not cause you too much inconvenience.

Yours sincerely,

S. Donald.

Secretary to
Robert Maxwell

DIRECTORS
ROBERT MAXWELL, M.C. (CHAIRMAN & MANAGING) · C.T. CLARK, F.C.A. · E.J. BUCKLEY

April 24, 1964

Captain Robert Maxwell, Publisher
Pergamon Press Ltd.
Headington Hill Hall,
Oxford (Inghilterra)

our ref.254/lv

Dear Captain Maxwell,

re: European Polymer Journal

Thank you for your letter of April 6, 1964. I have carefully read the Instructions to Authors and agree with them. I would like to make only one suggestion: it seems to me enough to print the summaries of papers in two of the four languages indicated in (1).

With regard to the title of the journal, my preferences are:

1) Acta Polymerica
2) Miristico (a word coined from old Greek meaning "long chains")
3) European Polymer Journal

Kindest regards and best wishes.

Sincerely,

Giulio Natta

PERGAMON PRESS LIMITED

Headington Hill Hall,
Oxford.

Telegraphic Address: PERGAPRESS, OXFORD.
Telephone: OXFORD 64881.
Telex 83177

MANAGING DIRECTOR'S ROOM

IRM/JB

6th April, 1964.

Professor Giulio Natta,
Instituto di Chimica Industriale del
Politecnico,
Piazza Leonardo da Vinci 32,
MILAN,
Italy.

254

Dear Professor Natta,

re: European Polymer Journal

I enclose herewith for your information a copy of the Instructions to Authors for the Journal, as well as a list of some of the proposed names.

I should be extremely grateful if you would let me have your reply at your earliest convenience (a) about any changes that you recommend in the Instructions to Authors, and (b) what is your first, second and third preference for the title, and perhaps can you suggest some other names as well.

Kindest regards and best wishes.

Yours sincerely,

Robert Maxwell
Publisher

Miristica

(Dictated by Mr. Maxwell and signed in his absence)

DIRECTORS

ROBERT MAXWELL, M.C. (CHAIRMAN & MANAGING) · C.T. CLARK, F.C.A. E.J. BUCKLEY

March 10, 1964

Captain Robert Maxwell,
Pergamon Press Ltd.
Headington Hill Hall,
Oxford (Inghilterra)

our ref.132/lv
your ref.IRM/JB

Dear Captain Maxwell:

Thank you very much for your letter of Feb.21, from which I learn that you have accepted to modify the title page of our book, according to my proposal.

My wife is caring about the Greek-title of the new journal, but she has not found a quite satisfactory word so far.

With my kindest personal regards,

Giulio Natta

PERGAMON PRESS LIMITED
Headington Hill Hall,
Oxford.

Telegraphic Address: PERGAPRESS, OXFORD.
Telephone: OXFORD 64881.
Telex 83177

MANAGING DIRECTOR'S ROOM

132

Please Quote Our Ref: IRM/JB

21st February, 1964.

Professor Giulio Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
MILAN,
Italy.

Dear Professor Natta,

Thank you for your kind letter of January 31st. The changes you propose with regard to the presentation of your book and to its title page are quite acceptable. I agree to leave out your position as editor and to add to the title page the name of your colleague and co-worker, Professor Danusso.

I will send you my proposed new design of the title page in a few days and hope that this meets with your approval. I will also give credit therein to the translator, Dr. Vaccaroni and to the supervisor of the translations, Dr. Di Pietro.

European Polymer Journal

We are making excellent progress with this journal and hope to have the first issue published by the end of this year and I very much hope that it will be possible for you to let us have one of your unpublished papers for publication in the first issue. I should also like to receive from you a final decision as to who in your opinion should be made regional editor for Italy. Please bear in mind that this journal will publish papers in the Italian language as well as in English, German, French and Spanish.

Finally, I should be extremely grateful to Mrs. Natta if she would kindly let me have a suggested title for this journal in Greek and/or in Latin. She is so wonderful at finding the right names for your creations; could you kindly persuade her to use her talents to give the right name in Greek or Latin to this new baby?

Kindest personal regards and very best wishes, also to Mrs. Natta.

Yours very sincerely,

Robert Maxwell,
Publisher.

DIRECTORS

ROBERT MAXWELL, M.C. (CHAIRMAN & MANAGING) · C.T. CLARK, F.C.A. E.J. BUCKLEY

April 13, 1964

To the Secretary to
Captain R. Maxwell
Pergamon Press Ltd.
Headington Hill Hall
Oxford - Inghilterra

We have receivedda letter with enclosures, directed to Dr. H. Ziegler:

H. Ziegler - Editor Zamp - Postfach Basel 24

while its envelope was addressed to us (see enclosure).

Obviously envelopes have been mistaken.

We wish to inform you that on April 10, we sent your letter and enclosures to the address mentioned above.

Sincerely yours,

The Secretary to Prof. Natta

January 21, 1964

Prof. Peter H. Plesch
University College
North Staffordshire
Keele,

r ref. 30/eg

p.c; Captain Maxwell

Dear Professor Plesch,

I wish to express my sincerest thanks to you and to Captain Maxwell for kindly sending me the book on the Chemistry of Cationic Polymerization, which reached me yesterday.

I will read it with much interest since I consider you the most outstanding specialist in the field of the cationic polymerization.

With my kindest personal regards.

G. Natta

CHANGE OF ADDRESS

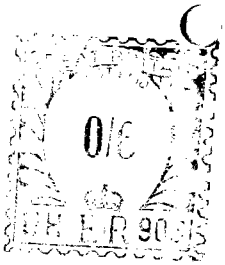
The Head Office of the Shell Chemical Company will move to the following address as from Monday 10th August 1964

Sir Robert Robinson
Shell Chemical Company Limited
Shell Centre
Downstream Building (Room T.9122)
London SE1
Telephone Waterloo 1212

Shell Chemicals SHELL

PRINTED MATTER





Professor G. Natta,

Istituto di Chimica Industriale del Politecnico,

Piazza Leonardo da Vinci 32,

Milan,

ITALY.

From Sir Robert Robinson.
Tel. Mayfair 6618.

170, Piccadilly,
London, W.1.

12th March 1964.

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Dear Giulio,

Your papers for publication in Tetrahedron Letters have not yet arrived, but as I am going on a short journey I acknowledge your letter and say that I am sure that these papers are so obviously of great interest that they will be found acceptable at once. Therefore when they arrive I shall simply forward them to the Editor with my own comments.

We were disappointed that Rosita was unable to contemplate the journey to Israel but our own stay will be so short that it really would have been hardly worthwhile for her.

Stearn and I send our warmest regards to you both.

Yours ever,
Robert

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

From Sir Robert Robinson.
Tel. Mayfair 6618.

170, Piccadilly,
London, W.1.

125

19th February 1964.

Dear Giulio,

We are sorry to learn from your kind letter of February 13th that Rosita will not be able to join us in Israel. Actually, the time involved was rather small and I dare say that a longer period would be desired in order to make such a long journey worthwhile.

In regard to the Nobel proposal, there must have been postal delays since I only received your own letter on February 3rd and sent a cable off at once. However, nothing has been lost in case you still wish to promote the case of Prelog. A letter in support would be quite effective, even past January 31st, because it is almost certain that he has already been proposed, probably by Ruzicka or other Swiss chemists.

We both hope that we shall be meeting you again in the not too distant future and meanwhile send you our warmest personal regards.

Yours ever,
Robert

Professor G. Natta,
Istituto di Chimica Industriale del Politecnico,
Piazza Leonardo da Vinci 32,
Milan.

Feb.13, 1964

Sir Robert Robinson,
170 Piccadilly,
London, W.1. (Inghilterra)

our ref.81/lv

Dear Robert,

Thank you very much for your kind cable and letter of Feb.3, which unfortunately reached me after that the time for the Nobel proposals had expired. Therefore, I was not in time to send it to Stockholm.

Actually the opinions you expressed about Woodward are shared by most organic Italian chemists; in their opinion, it is difficult to do a comparative judgement between Woodward and Prelog; they are both very worthy.

Thank you very much for kindly inviting Rodita to join you in your trip to Palestine. I am afraid that Rosita will hardly be able to accept it; but she will certainly write to Stearn on this regard.

Thanking you very much again, I send you and Stearn kindest regards, also from Rosita.

Giulio Natta

64

Jan.29, 1964

Sir Robert Robinson,
170 Piccadilly,
London W.1. (Inghilterra)

Dear Robert,

I am writing to you now to seek your advice. Being a Nobel Prize winner, I think that I have the right to make proposals for the next Nobel Prize for Chemistry.

There is a certain propensity here for Prof. Prelog, for his works on enzymes and on stereochemistry. However, before making any proposal, I would like to learn from you whether you consider Prelog worthy of that prize, or whether you ~~know a~~ worthier English chemist.

Since the proposals must be sent very soon, I would like to receive your answer, if possible, by cable.

Rosita joins me in sending you and Stearn our best wishes and kindest regards.

Giulio Natta

January 15, 1964

Sir Robert Robinson,
170 Piccadilly
London W.1

Dear Robert,

Thank you very much for kindly correcting and improving the English text of my Nobel address. I have taken into account all your remarks, and added the footnote you suggested to add.

Thanking you very much again for all your kindnesses, I send you and Stearn, also from Rosita, best wishes and kindest regards.

Giulio Natta

Jan.28, 1964

Mr.L.Holliday,
Shell Chemical Co. Ltd.
Plastics Laboratory,
Carrington,
nr. Manchester (Inghilterra)

our ref.1018/lv

Dear Mr.Holliday,

I apologize for answering your letter of Nov.22, 1963 only now and wish to thank you very much for the kind words you wrote on my having been chosen for the Nobel Prize.

Under separate cover I send you a signed photograph of myself; please do not worry about the trifling expenses incurred: I am only glad that you will hang it in the Entrance Hall of your laboratory.

With my sincerest, though delayed, wishes for 1964, I send you my kindest regards.

Giulio Natta

SHELL CHEMICAL COMPANY LIMITED,

L. HOLLIDAY

TELEPHONE
IRLAM 2601

PLASTICS LABORATORY,
CARRINGTON,
NR. MANCHESTER.

22nd November 1963

Professor G. Natta,
Polytechnic Institute of Milan,
Milan,
ITALY

1018

Dear Professor Natta,

I should very much appreciate it if we could have a signed photograph of yourself to put in the Entrance Hall of our laboratory. I already have a signed photograph of Sir Robert Robinson, Professor Ziegler and Professor Mark hanging there, and I should be delighted if we could include a photograph of yourself. We would naturally pay for the cost of the print, postage, etc.

If you are agreeable, I would suggest a print which is 7" x 9¼" in a mount somewhat larger than 10½" x 13½". The other two photographs are signed on the mount itself below the photograph.

Although I have not yet met you in person, may I congratulate you most sincerely on becoming a Nobel Prize Winner. All of us in the field of high polymer research were delighted with this award.

Yours sincerely,

L Holliday

SOCIETY OF CHEMICAL INDUSTRY

PLASTICS AND POLYMER GROUP.

447

Symposium on 'The Chemistry of Polymerisation Processes' April 22nd and 23rd 1965, London.

Dear Professor Natta,

I would be grateful if you would let me have a summary of about 100-250 words of your proposed contributions by 1st July. This will be of great help to the Symposium Committee in planning the programme. Detailed instructions to authors will be sent during the next two months.

Yours sincerely,

W.R.Moore.

W.R.Moore.
Chairman Symposium Sub Committee.
Department of Chemical Technology,
Bradford Institute of Technology,
BRADFORD 7,
Yorkshire,
England.

THE UNIVERSITY OF LIVERPOOL

TELEPHONE: ROYAL 6022
Extension 356

DEPARTMENT OF
INORGANIC, PHYSICAL AND INDUSTRIAL CHEMISTRY
THE DONNAN LABORATORIES
VINE STREET, LIVERPOOL, 7

8th June, 1964.

Professor Giulio Natta,
Istituto di Chimica Industriale,
del Politecnico,
Milan.

Dear Professor Natta,

I would like to thank you and Mrs. Natta once again for your hospitality during my stay in Milan. I enjoyed very much visiting the department and talking to your co-workers.

With kind regards,

Yours very sincerely,

Michael Szwarc.

THE UNIVERSITY OF LIVERPOOL

TELEPHONE: ROYAL 6022
Extension 356

DEPARTMENT OF
INORGANIC, PHYSICAL AND INDUSTRIAL CHEMISTRY
THE DONNAN LABORATORIES
VINE STREET, LIVERPOOL, 7

21st April, 1964.

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Professor Giulio Natta,
Istituto di Chimica Industriale,
del Politecnico,
Milan.

Dear Professor Natta,

Thank you for your letter of April 13th. I am happy that my postponement is acceptable to you and I confirm that I will arrive on Sunday, April 26th and stay until late Tuesday, April 28th.

Thank you very much for making a reservation for me for the nights of April 26th and 27th.

Looking forward to seeing you and with best regards.

Yours sincerely,

Michael Szwarc.

April 13, 1964

Prof. Michael Szwarc
Dept. of Inorganic Physical Ind.
Chemistry,
The Donnan Laboratories,
Vine Street
Liverpool 7 (Inghilterra)

Dear Professor Szwarc,

with regard to your letter of April 8, I am glad to inform you that we have succeeded in postponing your registration at the Hotel Touring for the nights of April 26 and 27.

Therefore your new schedule suits us perfectly.

Looking forward to meeting you soon, I send you my kindest regards.

G. Natta

per inviti (non ufficiali) scrivere Farina

THE UNIVERSITY OF LIVERPOOL

TELEPHONE: ROYAL 6022
Extension 356

DEPARTMENT OF
INORGANIC, PHYSICAL AND INDUSTRIAL CHEMISTRY
THE DONNAN LABORATORIES
VINE STREET, LIVERPOOL, 7

8th April, 1964.

Professor Giulio Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci, 32,
Milan.

Dear Professor Natta,

I really apologise for any confusion this might cause you but unexpected events force me to change my plans once again, and I wonder whether it would be possible for me to postpone my visit to you for one week, arriving on Sunday 26th April instead of the 19th, and staying until Tuesday, 28th.

I hope this would not inconvenience you too much and look forward to hearing whether the new dates are suitable to you.

Yours very sincerely,

Michael Szwarc.

2543
~~aspettare risposta di Giannella~~

Tournip
sere 26 e 27

April 6, 1964

Prof.Michael Szwarc,
Dept.of Inorganic Physical Industr.
Chemistry,
The Donnan Laboratories,
Vine Street,
Liverpool 7 (Inghilterra)

our ref.179/lv

Dear Professor Szwarc:

Thank you for your letter of March 6 and excuse my delay in answering you.

I am glad to inform you that we have succeeded in finding a room for you. Thus, you have been registered at the Hotel Touring, Piazza della Repubblica, Milano.

Looking forward to meeting you again soon, I send you kindest personal regards.

Giulio Natta

THE UNIVERSITY OF LIVERPOOL

TELEPHONE: ROYAL 6022
Extension 356

DEPARTMENT OF
INORGANIC, PHYSICAL AND INDUSTRIAL CHEMISTRY
THE DONNAN LABORATORIES
VINE STREET, LIVERPOOL, 7

6th March, 1964.

Professor Giulio Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci, 32,
Milan.

179

Dear Professor Natta,

Thank you very much for your letter of February 28th. I hope to stay for two days in Milan and plan to arrive on Sunday, 19th April, and would like to stay until late afternoon on Tuesday, 21st.

I am looking forward to seeing you then.

With kind regards,

Yours sincerely,

Michael Szwarc.

THE UNIVERSITY OF LIVERPOOL

TELEPHONE: ROYAL 6022
Extension 356

DEPARTMENT OF
INORGANIC, PHYSICAL AND INDUSTRIAL CHEMISTRY
THE DONNAN LABORATORIES
VINE STREET, LIVERPOOL, 7

26th February, 1964.

Professor Giulio Natta,
Istituto di Chimica Industriale,
del Politecnico,
Piazza Leonardo da Vinci, 32,
Milan.

Dear Professor Natta,

Following my letter of February 5th, in which I suggested postponing my visit to Milan until April 20th, I am writing to you again as I have not yet received any reply and I wonder whether my letter has been lost in the mail.

I would appreciate, therefore, if you could let me know whether the date I suggested is suitable to you.

With kind regards and hoping to hear from you soon.

Yours sincerely,

Michael Szwarc.

Feb.28, 1964

Prof.Michael Szwarc,
The University of Liverpool,
Dept. Inorganic,Physical & Industr.
Chemistry,
The Donnan Laboratories,
Vine Street, Liverpool 7 (England)

Our ref.85/lv

Dear Professor Szwarc,

Thank you for your letter of Feb.5, 1964. I am very glad that you have chosen the date of April 20 for your visit to Milan. In the 2nd fortnight of April, in fact, I shall be in Milan and will be glad to welcome you. Obviously, during your stay here, you will be our guest.

The topic of the talk you have chosen is very interesting, and most suitable.

Please, let me know, at your earliest convenience, the exact time of your arrival and how many days you plan to stay in Milan: thus we shall be able to make hotel reservations with some advance.(*)

With my kindest personal regards.

Giulio Natta

(*) This is strictly necessary, since the International Industrial Exhibition (April 12-27) makes it difficult to find rooms in Milan on that period.

THE UNIVERSITY OF LIVERPOOL

TELEPHONE: ROYAL 6022
Extension 356

DEPARTMENT OF
INORGANIC, PHYSICAL AND INDUSTRIAL CHEMISTRY
THE DONNAN LABORATORIES
VINE STREET, LIVERPOOL, 7

5th February, 1964.

Professor Giulio Natta,
Istituto di Chimica Insutriale,
del Politecnico,
Piazza Leonardo da Vinci, 32,
Milan.

85

Dear Professor Natta,

Thank you for your letter of January 30th from which I note that you will be away from Milan from April 5th - 12th. May I suggest, therefore, postponing my visit to Milan until Monday, April 20th if this date would be more suitable to you than April 9th and 10th. If the 20th is also unsuitable for you, we can leave, as you suggest, the original date and perhaps I will have the chance to meet you on some other occasion.

I propose to talk about electron-transfer processes and formation of complexes between carbanions and aromatic hydrocarbons.

With best regards,

Yours very sincerely,

Michael Szwarc.

Jan.30, 1964

Prof.Michael Szwarc,
The University of Liverpool,
Dept.of Inorganic, Physical and
Industrial Chemistry,
The Donnan Laboratories,
Vine Street,
Liverpool 7 (Inghilterra)

our ref.50/lv

Dear Professor Szwarc:

I was very glad to hear that you accept our invitation to give a lecture in Milan, during your stay in Italy.
Unfortunately, in the period from April 5 to April 12, both Professor Danusso and myself shall have to be in Rome for appointments of the Ministry of Education.
Therefore we shall not be able to meet you and attend your lecture.

However, some co-workers of mine, i.e. Prof.Pasquon, Prof.Porri and Prof.Farina will be very glad to meet you here.

Please, let me know the exact title of your lecture as soon as possible: thus I shall be able to send invitations.

Hoping that another opportunity will arise soon to meet you, I send you my kindest regards.

Giulio Natta

THE UNIVERSITY OF LIVERPOOL

TELEPHONE: ROYAL 6022
Extension 356

DEPARTMENT OF
INORGANIC, PHYSICAL AND INDUSTRIAL CHEMISTRY
THE DONNAN LABORATORIES
VINE STREET, LIVERPOOL, 7

20th January, 1964.

Professor Giulio Natta,
Istituto di Chimica Industriale,
del Politecnico,
Piazza Leonardo da Vinci, 32,
Milan.

50

Dear Professor Natta,

Thank you very much for your kind letter of January 15th. In fact, I would like to spend two or three days in Milan and I wonder whether Wednesday, Thursday or Friday, April 8th, 9th and 10th, would fit in your programme.

I am looking forward to seeing you again.

With best wishes,

Yours sincerely,

Michael Szwarc.

January 15, 1964

Prof. Michael Szwarc
University of Liverpool
Dept. of Inorganic Physical
and Industrial Chemistry
The Donnan Laboratory
Mine Street
Liverpool 7

ur ref. 24/1 eg

Dear Professor Szwarc,

I have been told that you will come to Italy in the near future to deliver a lecture in Pisa. I do hope that, during your journey to Italy, you would be able to make a short trip to Milan to give a lecture also at my Institute.

Looking forward to meeting you soon, I send you my kindest regards and best wishes for the New Year.

G. Natta

P.S.If you think it possible to accept our invitation, please, let me know with some advance the exact day you foresee to come to Milan.

March 23, 1964

Peter Larsen, Esq.
Picture Researcher,
THE WORLD BOOK ENCYCLOPEDIA
Field Enterprises Educational Co.
62, Brompton Road,
London SW3 (Inghilterra)

Dear Mr.Larsen,

As required in your letter of March 9, 1964, I herewith enclose a portrait-type photo of myself, which I hope will suit you.

If possible, I would appreciate your returning it to me when possible.

Sincerely yours,

Giulio Natta

Encl/

FIELD ENTERPRISES EDUCATIONAL CORPORATION / 62, Brompton Road, London, SW3

Telephone: KNightsbridge 6284

March 9, 1964.

Giulio Natta,
Istituto de Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci, 32,
MILANO,
Italy.

Dear Dr. Natta,

Many thanks for sending the 2 photographs of you[redacted], one of which I am retaining for probable publication.

Besides these action photos, do you have a portrait-type photo of yourself please?

I look forward to receiving your communication in the near future. Many thanks.

Yours sincerely,

Peter Larsen
Picture Researcher
THE WORLD BOOK ENCYCLOPEDIA

PL/ad

March 2, 1964

Mr.Peter Larsen,
The World Book Encyclopedia,
Field Enterprises Educational Co.
62, Brompton Road,
London SW3 (Inghilterra)

our ref.137/lv

Dear Mr.Larsen,

With regard to your kind letter of Feb.24, 1964, I herewith enclose a few photographs of myself as you requi- redred for publication in the WORLD BOOK ENCYCLOPEDIA. I would mostly appreciate your returning them to me.

With my kindest regards.

Giulio Natta

Encl/

FIELD ENTERPRISES EDUCATIONAL CORPORATION / 62, Brompton Road, London, SW3

Telephone: KNIghtsbridge 6284

6
137

February 24, 1964.

Prof. Julius Natta,
Politecnico Milano,
Piazza Leonardo Da Vinci 33,
MILANO,
Italy.

Dear Sir,

In connection with the forthcoming publication in London of an International Edition of THE WORLD BOOK ENCYCLOPEDIA, we are interested in obtaining black and white photographs of yourself working at a laboratory bench. This is to illustrate our article on Nobel Prize Winners.

If you could help us in this regard, we would be most grateful. Those photographs not selected for reproduction will be promptly returned if so desired, and a credit line as specified by you will appear beneath those pictures published. We would be obliged if you could attach adequate caption information to the photographs.

Thank you for your attention to this matter, and we look forward to hearing from you in the near future.

Yours faithfully,

Peter Larsen

Peter Larsen
Picture Researcher
THE WORLD BOOK ENCYCLOPEDIA

PL/ad

Professor G. Natta

The Society of Dyers and Colourists

Copy for information.

292116

With Compliments

DEAN HOUSE
19 PICCADILLY
BRADFORD 1
YORKSHIRE
Telephone 25138 (3 lines)

JOHN W. NICHOLLS FCIS
GENERAL SECRETARY

domenica 12 Aprile ore 12
in casa del Prof —

Lunedì 23
tel. Centola
event. ritornato
lo Cen. Polit.
Cent. [illegible]
[illegible]

JTN/IC/1105

10th March 1964.

292 960
957

Professor Dr. G. Centola,
President A.I.C.T.C.
Via Torino 2,
Milano,
Italy.

Dear Professor Centola,

We were all extremely sorry that circumstances prevented Professor Giulio Natta from attending the Society's Presentation of Medals and Diplomas Ceremony on 4th March in Nottingham, but I now have much pleasure in forwarding by separate post the Perkin Medal which has been awarded to Professor Natta "For the development of stereospecific polymerisation" and hope that you will be able to arrange for this to be presented to him in the near future at a suitable function of the Associazione Italiana di Chimica Tessile e Coloristica.

Enclosed are two copies of the Programme of our recent Ceremony.

With Greetings and Kindest Regards.

Yours sincerely,

(John W. Nicholls)
GENERAL SECRETARY.

Encs.

Copy to Professor G. Natta ✓

February 19, 1964

Mr. John W. Nicholls, F.C.I.S.,
General Secretary
The Society of Dyers & Colourists
Dean House,
19 Piccadilly
P.O.Box 244, Bradford 1,Yorkshire

Dear Mr. Nicholls,

Thank you very much for your kind invitation to attend the presentation of Medals and Awards on March 4, and for your cable inviting me to the Annual Dinner of the Society on April 24.

Unfortunately, as already mentioned to you, my state of health does not allow me to accept these two invitations. Therefore, I would mostly appreciate your arranging the presentation of the medal you awarded to me by the Associazione Italiana di Chimica Tessile e Coloristica, as you suggested in your letter of November 26.

I am sincerely sorry to be unable to accept your very kind invitations. I hope that another opportunity will arise soon to meet you.

Thanking you very much again, I send you my kindest regards.

G. Natta

ITALCABLE

Prefisso e Numero - Provenienza - Numero Parole - Data - Ore - Indicazioni eventuali

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PER LA RISPOSTA TELEFONATE AL N. 8838

TELEGRAMMA *via Italcable via Italo Radio*

PROFESSOR NATTA ISTITUTO DI
CHIMICA INDUSTRIALE DEL
POLITECNICO PIAZZALEONARDODAVINCI
32 MILAN 1616

ITALCABLE 18-2-1964 MILANO

[redacted] 18 16

Spazio riservato agli estremi di ricevimento

REFERENCE PRESIDENTS INVITATION TO ANNUAL DINNER OF THE SOCIETY ON APRIL THE 24TH CAN YOU ACCEPT STOP PLEASE INFORM ME

JOHN NICHOLLS

Il Governo Italiano e la Società Italcable non assumono alcuna responsabilità in conseguenza del servizio telegrafico
Le tariffe « VIA ITALCABLE » e « VIA ITALO RADIO » sono uguali a quelle delle vie meno costose

The Society of Dyers and Colourists

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Honorary Secretary L MORTON WOOD F.S.D.C
Honorary Treasurer A WADDINGTON F.C.A

General Secretary JOHN W NICHOLLS F.C.I.S
Editor and Technical Officer M TORDOFF PH.D A.R.I.C
Telephone Bradford 25138 (3 lines)

DEAN HOUSE 19 PICCADILLY (PO Box 244) BRADFORD 1 YORKSHIRE
Telegrams SODAC

JWN/MCD/9975

20th February, 1964

Professor G. Natta,
Istituto Di Chimica Industriale
Del Politecnico,
Piazza Leonardo Da Vinci, 32,
Milano,
Italy.

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Dear Professor Natta,

With reference to the Presentation of Medals and Awards Ceremony to be held at the Victoria Hotel, Nottingham, on Wednesday, March 4th, at 3.30 p.m., I am writing to enquire whether your state of health will allow you to attend. We all hope very much that this will be so and that we shall have the pleasure of your company.

However, if you are unable to come to England then I will certainly arrange for your Perkin Medal to be presented to you via the Associazione Italiana di Chimica Tessile e Coloristica.

With Greetings and Best Wishes.

Yours sincerely,

(John W. Nicholls)
GENERAL SECRETARY.

Sept.14, 1964

To the Personnel Officer,
British Cellophane Ltd.,
Personnel Dept.
Bath Road,
Bridgwater, Somerset. (Inghilterra)

Your ref.GCH/CAO/CW.4.64
our ref. 665/lv

confidential

Dear Sir,

Dr.Kenneth Wilkinson
5 Manor St., Nelson, Lancs.

I have received your letter of Sept.4, 1964, about the application of the above named for a post as a Research Chemist with your Company.

I wish to inform you that Dr.Wilkinson worked as a research chemist with my Institute for two years and developed research in the field of the polymerization.

He has demonstrated an excellent preparation, spirit of enterprise and capability to become part of a work team. My and my coworkers' judgement on Dr.Wilkinson is quite positive.

Kindest personal regards.

Giulio Natta

P.S. I apologize for my delay in answering: I have found your letter only to-day, on my return to Milan.

BRITISH CELLOPHANE LIMITED

PERSONNEL DEPARTMENT

TELEPHONE BRIDGWATER 4321

BATH ROAD,
BRIDGWATER,
SOMERSET.

GCH/CAO/CW.4.64

4th September, 1964.

Professor G. Natta,
Instituto di Chinica Industriale,
Politecnico,
Piazza Leonardo da Vinci 32,
Milano,
Italy.

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Dear Professor Natta,

Dr. Kenneth Wilkinson
5 Manor Street, Nelson, Lancs.

The above named has advised us that we may apply to you for a reference in relation to his application for a post as a Research Chemist with this Company.

We should be glad if you would kindly give us, in confidence, your opinion regarding his suitability for such a post and provide us with any other information which you consider relevant.

A stamped addressed envelope is enclosed for your reply, for which we thank you in anticipation.

Yours faithfully,
for BRITISH CELLOPHANE LIMITED

G.C. Starnis.

Personnel Officer

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