

Nov.23, 1966

611/

Mr

Dr. James D. D'Ianni, Director
Research Division
The Goodyear Tire & Rubber Co.,
Akron, Ohio 44316 (U.S.A.)

Dear doctor D'Ianni:

I am writing a review on the stereospecific polymerization of conjugated diolefins and I would like to reproduce the table reported on page 5 of your article "Recent Advances in American Rubber Technology of High cis-1,4 Polyisoprene", which was presented at the International Rubber Conference scheduled by the German Rubber Society at Munich, June 9-11, 1965.

I do not know whether this article has been published in some journal, in which case I should ask the copyright holder for permission of reproduction.

This piece of information, or, if the article is unpublished, your personal permission of reproduction, would be greatly appreciated.

I am looking forward to receiving a reply from you.

Best regards,

Giulio Natta

Corbello
B.F. Goodrich Chemical Company

a division of The B.F. Goodrich Company

Telephone no.: (070) 86 62 68

Telex no.: 31358

Cable address: Tubedodge-The Hague

European Technical Service:

2, Albertus de Oudelaan
Voorburg, Netherlands

**Professor Giulio Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Léonardo da Vinci, 32,
MILANO.**

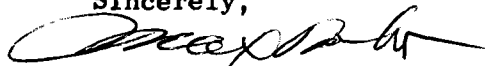
September 1964

Dear Professor Natta:

The European Technical Service group of the B.F. Goodrich Chemical Company has moved into new offices. We are now located only a few kilometers from the center of The Hague in its suburb, Voorburg.

Please use our new address and telephone number for your scientific liaison contact with the B.F. Goodrich Chemical Company.

Sincerely,



**Dr. Max Roha,
Director Scientific Liaison**

MR/rw



*Vare
Maurici*

March 2, 1964

our ref.124/lv

Dr. Max Roha,
Director Scientific Liaison,
B.F. Goodrich Chemical Co.
41 Zoutkeetsingel,
The Hague, Olanda

Dear Doctor Roha:

I am glad to learn from your letter of Feb. 19 that you will come to Milan on Monday March 16. Unfortunately I do not know whether I can be in Milan on that day, and mostly regret it. Also Prof. Danusso will be in Rome on March 16 and 17 for duties of the Ministry of Education.

If you cannot change the date of your visit to Milan, you might meet other co-workers of mine. As soon as you arrive here, please, contact my secretary, in order to arrange a meeting.

Hoping to meet you in Milan personally, I send you my kindest regards.

Giulio Natta

B.F. Goodrich Chemical Company

a division of The B.F. Goodrich Company

Telephone no.: 639552

Telex no.: 31358

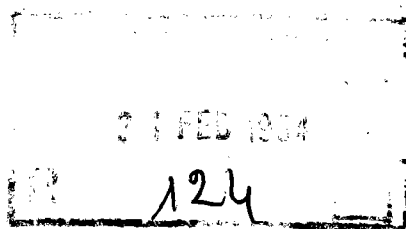
Cable address: Tubedodge - The Hague

European Service Address:

41 Zoutkeetsingel
The Hague, Netherlands

February 19, 1964.

Professor Giulio Natta,
Istituto di Chimica Industriale,
del Politecnico,
Piazza Leonardo da Vinci 32,
M I L A N O
Italy.



Dear Professor Natta:

I find that I will be in Milan on Monday March 16, and would appreciate the opportunity of visiting you and your laboratories during the afternoon, if it fits your schedule.

I would also appreciate the opportunity of continuing the discussions with Professor Danusso on polymer chemistry.

I look forward to meeting you again.

Best personal regards.

A large, handwritten signature in cursive script, appearing to read "Danusso".

Sincerely,

A handwritten signature in cursive script, appearing to read "Max Roha".

Dr. Max Roha,
Director Scientific Liaison

MR/rw



*Carletta
prodn d*

May 15, 1964

ur ref. 348/eg

Dr. Max Roha
B.F. Goodrich Chemical Co.
41 Zoutkeetsingel
The Hague, Olanda

Dear Doctor Roha:

With regard to your letter of May 13, 1964 I am glad to inform you that, according to your schedule, I can meet you on Wednesday, June 17 at about 11:30 a.m.

Best regards.

G. Natta

B.F. Goodrich Chemical Company

a division of The B.F. Goodrich Company

Telephone no.: 639552

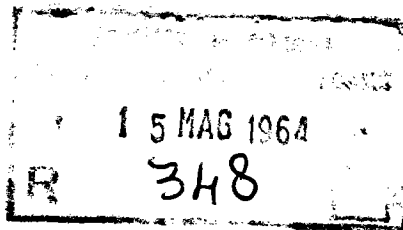
Telex no.: 31358

Cable address: Tubedodge - The Hague

European Service Address:

41 Zoutkeetsingel
The Hague, Netherlands
May 13, 1964

Professor Giulio Natta,
Istituto di Chimica Industriale,
del Politecnico,
Piazza Leonardo da Vinci, 32,
M I L A N O.
Italy.



Dear Professor Natta:

I am sorry that we were unable to get together during my last visit to your Institute. While your colleagues, Dr. Farina and Dr. Sartori took good care of me, I would appreciate the opportunity of discussing the mechanism of olefinic polymerization with you. In particular I should like to have the opportunity of pursuing the effects of catalysts on the r_1/r_2 ratio for ethylene/propylene and other monomer systems.

Do you expect to be available some time during the week of June 15? Monday 15 or Wednesday 17 June would be the most convenient dates with my schedule. If there is some time which is convenient with you, I could plan to pass through Milan.

I hope that this will be satisfactory and that we will be able to meet again.

Best personal regards.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Max Roha'.

Dr. Max Roha,
Director Scientific Liaison

MR/rw



Carlisle Goodrich

B.F. Goodrich Chemical Company

a division of The B.F. Goodrich Company

Telephone no.: 639552

Telex no.: 31358

Cable address: Tubedodge - The Hague

European Service Address:

41 Zoutkeetsingel
The Hague, Netherlands
March 24, 1964.

Professor Giulio Natta,
Istituto di Chimica Industriale,
del politecnico,
Piazza Leonardo da Vinci 32,
M I L A N O.
Italy.

27 MAR 1964
225

Dear Professor Natta:

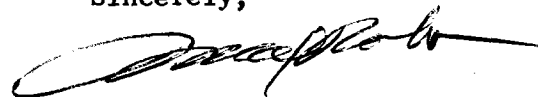
I am sorry that our schedules did not allow our meeting together during my recent visit at your Institute. Dr. Sartori and Dr. Farina took very good care of me and we had very interesting discussion on their polymerizations.

I will plan to contact you again on my next trip to Milan and hope that we will be able to discuss polymer chemistry together.

Thank you very much for arranging for my visit.

Best personal regards.

Sincerely,



Dr. Max Roha,
Director Scientific Liaison

MR/rw

*From State
Department*



B.F. Goodrich Chemical Company

a division of The B.F. Goodrich Company

*Carbelle
Goodrich*

Telephone no.: 639552

Telex no.: 31358

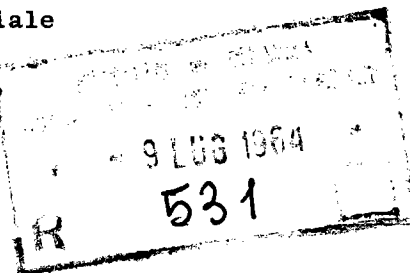
Cable address: Tubedodge - The Hague

European Service Address:

41 Zoutkeetsingel
The Hague, Netherlands

July 6, 1964

Professor Giulio Natta,
Istituto di Chimica Industriale
del Politecnico,
Piazza Leonardo da Vinci, 32
M I L A N O.
Italy.



Dear Professor Natta:

I like to thank both you and Dr. Porri for our interesting discussions of the mechanism of coordinate polymers. I believe that it is very important to understand the nature of the propagation of propylene in sufficient detail, so that we will know whether the propagation has anionic or cationic character. I hope that your effort and our effort will shed light on this problem, so that the mechanism of steric control can be better understood.

I should again like to extend our invitation to you and to Dr. Porri to visit our research people when you expect to be in the States. We are looking forward to seeing Dr. Porri at our Brecksville Research Center in Spetember.

Best personal regards.

Sincerely,

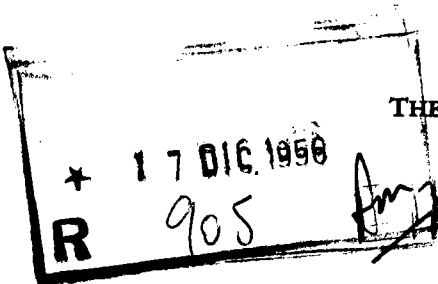
Dr. Max Roha,
Director Scientific Liaison

*Porri
Natta
amore a
Natta*

MR/rw

*Spetember
il 10/7/64*





THE B. F. GOODRICH COMPANY
Research Center
BRECKSVILLE, OHIO
December 11, 1956

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

Dear Prof. Natta:

We would appreciate receiving a reprint of the article entitled:

"Stereospecific catalysis and isotactic polymers"
MODERN PLASTICS, 34, 169-182, 261-3 (1956)

Thank you.

Very truly yours,

Fern V. Bloom

Fern V. Bloom
Research Librarian

FVB:dmk

December 20, 1956

Mr. Fern V. Bloom
Research Librarian
The B.F. Goodrich Company
Research Center
BRECKSVILLE, OHIO (U.S.A.)

Dear Mr. Bloom,

with reference to your letter of December 10,
I wish to inform you that the article, appeared in Modern
Plastics, December issue, is a publication not authorized by
myself, as it correspond to a partial and incomplete translation
of my paper published in Angewandte Chemie. The translation in
Modern Plastics includes also ~~some~~ some inexactnesses. I send you,
under a separate cover, a reprint of the paper appeared in
Angewandte Chemie.

With best regards.

Truly yours,

(Prof. G.Natta)

Sede, 26 Ottobre 1956.

505 ju

VISITA DEI SIGNORI

ROBERT P. KENNEY e HARRY B. WARNER

DELLA GOODRICH COMPANY.

1. Goodrich ha preparato poli-isoprene 1-4 cis e 1-4 trans a purezza superiore al 99%, nonché gli analoghi polimeri del butadiene; questi ultimi avrebbero proprietà meno interessanti degli analoghi polimeri dell'isoprene.

Pneumatici sperimentali di poli-isoprene 1-4 cis sarebbero in servizio presso l'Esercito degli Stati Uniti da oltre un anno e mezzo con eccellente risultato.

2. Dalla fine del 1953 hanno progettato e provato un impianto sperimentale per il poli-etilene Ziegler; dopo molte modifiche hanno messo a punto un procedimento che fornisce polimero a basso costo, bianco, inodoro. Prossimamente sarà annunciato un impianto da 50 milioni di libbre/anno.
3. Goodrich si prepara a lanciare una fibra che è un copolimero di dinitrile acrilico $\text{CH}_2=\text{C}(\text{CN})_2$ e acetato di vinile.

f.to: Orsoni

Or/sl.

29 Ottobre 1955

→ Egr. Sig. Ing. E. ORSONI
Direttore SEPS
Soc. " MONTECATINI "

c, p.c. Ing. Piero Giustiniani
Ing. Giuseppe de Varda

S e de

Egregio Ingegnere,

ricevo il Suo promemoria del 26 c.m., relativo alla visita dei Sign. Kenney e Warner della Goodrich Co.

Dal Suo promemoria risulterebbe che i polimeri del batadiene 1-4 cis ed 1-4 trans avrebbero proprietà meno interessanti di quelli corrispondenti dell'isoprene. Sarebbe stato molto interessante sentire da tali Signori la ragione di ciò, e per lo meno sapere a che cosa loro lo attribuiscono. E' un peccato che non si sia tentato di utilizzare questa occasione per cercare di renderci conto dalle loro risposte quale è lo stadio delle loro ricerche, e quale ne è l'impostazione e soprattutto quale è la situazione generale delle ricerche negli Stati Uniti nel campo delle gomme.

Riterrei opportuno, qualora si presentassero casi analoghi, che io ed altre persone, particolarmente competenti in certi campi specifici, assistano agli incontri.

Ho osservato negli Stati Uniti che quando qualcuno di noi va a far visita alle Compagnie americane, trova sempre schierato un numeroso gruppo di persone, ciascuna specializzata in un particolare campo, pronta a rilevare ogni nostra parola. Ritengo che dovremmo anche noi - se non adottare proprio lo stesso criterio che porterebbe a delle perdite di tempo eccessive - per lo meno cercare di non tralasciare l'occasione di avere notizie interessanti, quando si hanno visite di persone che occupano una posizione riguardevole. Ad esempio, è stata utilissima la recente visita dei Signori Valtier, Murphy e Cooper della Dunlop, durante la quale ho fatto cadere il discorso sulla gomma butile ed ho chiesto il loro parere sugli studi che si fanno ora negli Stati Uniti sul suo impiego per i battistrada di pneumatici. Ho saputo così che il più grave inconveniente della gomma butile non è dovuto, come credevamo, alla bassa resa elastica ma ai bassi valori della resilienza a bassa temperatura. Questo ci ha indirizzato nello studio dei nostri copolimeri convenenti stilene verso quei tipi contenenti poco propilene che presentano migliori valori della resilienza e ci ha incoraggiato nello studio che stiamo facendo per il loro

Seguito-lettera per l'Ing. B.Orsoni del SEPS del 29.10.56, e p.c.
Ing. P.Giustiniani
Ing. G.de Varda. S e S e

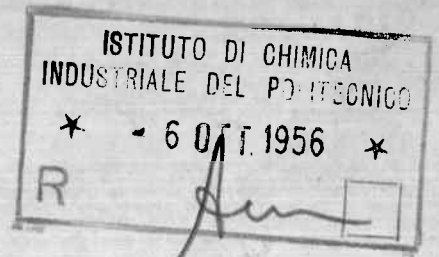
impiego come elastomeri, poichè si può prevedere anche l'impiego
massivo per la fabbricazione di pneumatici.

Le cognizioni di tutto l'ambiente Montecatini nel campo
gomme sono logicamente incomplete ed io penso che non dobbiamo
trascurare nessuna occasione per completarle.

I migliori saluti.

(Prof. Giulio Vatta)

THE B. F. GOODRICH COMPANY
Research Center
BRECKSVILLE, OHIO
October 2, 1956



Mr. G. Natta
Istituto di Chimica Industriale del Politecnico
Milano, Italy

Dear Mr. Natta:

We would appreciate receiving two reprints of the article entitled:

"Viskositätszahlen and molekulargewichte fraktionierter
isotaktischer polystyrole" DIE MAKROMOLEKULARE CHEMIE;
20, 37-45 (1956)

Thank you.

Very truly yours,

A handwritten signature in cursive script that reads "Fern V. Bloom".

Fern V. Bloom
Research Librarian

FVB:cmk

October 19, 1956

Dr. Fern V. BLOOM, *Research Librarian*
The B. F. Goodrich Company
Research Center
BRECKSVILLE, OHIO

Dear Dr. Bloom,

Referring to your letter of October 2, with your request of two reprints of the Prof. Natta's paper appeared on "Die Makromolekulare Chemie" 20, 37 (1956), I inform you that I have already sent to you a reprint of this work.

As I have already informed you, we cannot send more than one reprint for any paper of Prof. Natta, because we receive too many requests, from different people.

With best regards.

Sincerely yours,

R. Lamma (secretary to Prof. Natta)

869A

July 28, 1956

Mr. Frank K. Schoenfeld
Vice President, Research
B. F. Goodrich Company
BRECKSVILLE - Ohio - U.S.A.

Dear Mr. Schoenfeld,

I regret very much that I had to renounce to my visit to your laboratory in Akron, because of some unforeseen developments I had to shorten my stay in your country and to modify the program that Prof. Mark kindly planned for me.

Both Mrs. Natta and myself are sorry to have missed this opportunity to meet you in Akron, but we hope to have soon an other opportunity to meet you in Italy or in the States.

Thanking you again for your kind invitation, I send you my best wishes.

Sincerely yours,

Giulio Natta

1195A
Am

THE B. F. GOODRICH COMPANY
Research Center
BRECKSVILLE, OHIO
July 19, 1956

Mr. G. Natta
Istiuto di Chimica Industriale del
Politecnico di Milano
Italy

Dear Mr. Natta:

We would appreciate receiving two reprints of the article entitled

"The Structure of crystalline 1,2-polybutadiene and of
other "syndiotactic polymers" JOURNAL OF POLYMER
SCIENCE, 20, 251-266 (1956)

Thank you.

Very truly yours,

Fern V. Bloom

Fern V. Bloom
Research Librarian

FVB:dmk

*Messaggio
per il
19/7/56
~~non~~ ne
abbiamo pochi*

225 A

July 24, 1956

See

Dr. Fern V. Bloom
Research Librarian
Research Center
The B. F. Goodrich Company
BRICKSVILLE - OHIO - U. S. A.

Referring to your letter of July 19, I wish to inform you that I ^{already} sent to you a reprint of the Prof. Natta's paper published on Journal of Polymer Science (1956), and I cannot send other reprints as we have them in a very small quantity.

Best regards.

Very truly yours,

R. Lamma (secretary)

THE B. F. GOODRICH COMPANY
Research Center
BRECKSVILLE, OHIO
June 29, 1956

Professor Giulio Natta
Polytechnic Institute of Brooklyn
c/o Dr. H. F. Mark
99 Livingston Street
Brooklyn 1, New York

Dear Professor Natta:

It is with genuine regret that I learned yesterday that you will be unable to visit our Research Center at Brecksville on July 10. Perhaps I will have the opportunity of meeting you at the Gordon Research Conference on Elastomers later this summer.

The staff at the Research Center joins me in sending you best wishes for an enjoyable visit to this country and hopes that both you and Mrs. Natta take home pleasant memories.

Sincerely yours,

THE B. F. GOODRICH COMPANY

E. B. Newton, Manager
Rubber Research

EN:mp

cc: Dr. H. F. Mark

31A
July 27, 1956

Mr. E. B. Newton, Manager
Rubber Research
B. F. Goodrich Company
Research Center
BRECKSVILLE = OHIO = U.S.A.

Dear Mr. Newton,

I am very sorry not to be able to visit you in Akron but, because of unforeseen developments I have been obliged to come back to Milan before the planned date, and to renounce also to the participation to the Gordon Research Conference on Elastomers.

I thank you very much for your invitation and for your very kind letter of June 29; please excuse my long delay in replying to you.

Hoping to have soon another opportunity to meet you, I send to you my best wishes.

Very sincerely yours,

Giulio Natta

751 A

THE B. F. GOODRICH COMPANY
Research Center
BRECKSVILLE, OHIO
April 27, 1956



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

AIR MAIL

Dear Professor Natta:

All of the staff here at the B. F. Goodrich Research Center are indeed pleased to learn through our correspondence with Professor Herman Mark that you and Mrs. Natta plan to visit our laboratories on July 10th, and in his recent letter Professor Mark suggested I write to you directly about the details of your visit.

I presume at this early date that your exact itinerary may not as yet be known, but I want to tell you that our car will meet you at the airport or railway station, as the case may be, and that we will arrange hotel reservations for you and Mrs. Natta for the night of July 10th (or as you may subsequently direct).

May I suggest that you write us, perhaps after you arrive in the States, telling us the time and in what city you will arrive and whether it will be by plane or railway so we can have the car there for you.

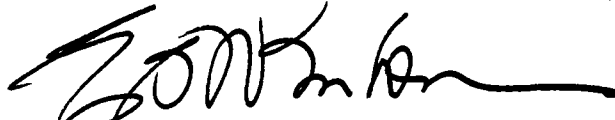
Professor Mark has mentioned the exchange difficulties, and we have proposed to him that we offer you ~~an honorarium totalling \$250.~~ as a *contribution to your traveling expenses.*

We look forward to having you and Mrs. Natta with us, and hope that your journey will be a most pleasant one.

With kindest personal regards, I am

Very sincerely yours,

THE B. F. GOODRICH COMPANY



E. B. Newton, Manager
Rubber Research

EBN:mbp

cc: Prof. Herman Mark

Professor Giulio Natta
Milano, Italy

April 27, 1956
Page 2

P. S. Your proposed itinerary indicates you will come to our area from Buffalo, New York. You can do this either by rail or by air--about eight hours travelling time by railway, 70 minutes by air. We would expect to arrange for you to stay in Hotel Cleveland, in the City of Cleveland, Ohio. This is one of the best hotels in town, centrally located in the Terminal Tower, and airport limousines leave from the front door. Our chauffeur will meet you at the airport or at the railway station or in the hotel lobby, as required.

E. B. N.

504
May 9, 1956

Mr. E. B. Newton , Manager
Rubber Research - Research Center
The B. F. Goodrich Company
BRECKSVILLE - OHIO

Dear Mr. Newton,

I received your very kind letter of April 12, concerning some details of my visit at the B. F. Goodrich Research Center on July 10, and I thank you very much for your very appreciated assistance, also for the Hotel reservation.

Till now I do not know whether I shall arrive to Cleveland by rail or by air, but I shall inform you of this after my arrival in the United States.

Looking forward to seeing you soon I send you my kindest personal regards.

Very sincerely yours,

Giulio Natta

THE B. F. GOODRICH COMPANY
Research Center
BRECKSVILLE, OHIO

May 10, 1956

840A
Am

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

Dear Professor Natta:

The enclosed letter, dated April 27, is a revision of the previous letter wherein the word "honorarium" has been changed to read "as a contribution to your traveling expenses."

Professor Mark asked us not to refer to this as an honorarium, and this revision is sent to you for your convenience.

Sincerely yours,

THE B. F. GOODRICH COMPANY



E. B. Newton, Manager
Rubber Research

EBN:mbp

cc: Prof. Herman Mark

THE B. F. GOODRICH COMPANY
Research Center
BRECKSVILLE, OHIO
April 27, 1956

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

Dear Professor Natta:

All of the staff here at the B. F. Goodrich Research Center are indeed pleased to learn through our correspondence with Professor Herman Mark that you and Mrs. Natta plan to visit our laboratories on July 10th, and in his recent letter Professor Mark suggested I write to you directly about the details of your visit.

I presume at this early date that your exact itinerary may not as yet be known, but I want to tell you that our car will meet you at the airport or railway station, as the case may be, and that we will arrange hotel reservations for you and Mrs. Natta for the night of July 10th (or as you may subsequently direct).

May I suggest that you write us, perhaps after you arrive in the States, telling us the time and in what city you will arrive and whether it will be by plane or railway so we can have the car there for you.

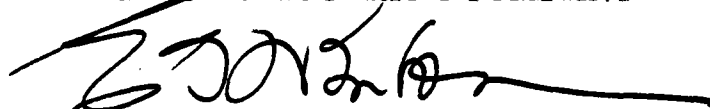
Professor Mark has mentioned the exchange difficulties, and we have proposed to him that we offer you \$250 as a contribution to your traveling expenses.

We look forward to having you and Mrs. Natta with us, and hope that your journey will be a most pleasant one.

With kindest personal regards, I am

Very sincerely yours,

THE B. F. GOODRICH COMPANY



E. B. Newton, Manager
Rubber Research

EBN:mbp

cc: Prof. Herman Mark

THE B. F. GOODRICH COMPANY
Research Center
BRECKSVILLE, OHIO

VIA AIRMAIL

FRANK K. SCHOENFELD
VICE PRESIDENT - RESEARCH

May 25, 1955

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

Dear Professor Natta:

It was a great pleasure to meet with you and discuss the fascinating work that you are doing. I have reported our visit to Goodrich-Gulf management and plans are under way to talk with the Montecatini people.

Mr Kenney and myself have remarked several times since our return about the pleasant and instructive day we spent with you. As I believe we mentioned at the time, Mr Kenney is to be permanently located in Europe and will probably see you again some time later this year.

Please accept my kindest invitation to visit us at our Research Laboratory in Brecksville on your next visit to the United States. It would be a very great pleasure for me to have you as our guest.

Very truly yours,

Frank K. Schoenfeld

THE B. F. GOODRICH COMPANY
Research Center
BRECKSVILLE, OHIO

America

FRANK K. SCHOENFELD
VICE PRESIDENT - RESEARCH

March 28, 1955

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

Dear Professor Natta:

We have been hearing rumors of some unusually interesting work that you are doing in the field of polyolefin chemistry. I would like very much to have the opportunity of meeting you, and if you are free to do so, discuss with you your latest work.

Mr Robert P Kenney, our European Director of Chemical Activities, and myself will be in Europe the latter part of April and through May 16, and could arrange to be in Milan on Monday, May 2. Could you see us at that time?

Very cordially yours,

*Frank K. Schoenfeld*₇₇

March 31, 1955

Mr. Frank K. SCHOENFELD
Vice President - Research
The B.F. Goodrich Company
Research Center
BRECKSVILLE -Ohio

Dear Mr. Schoenfeld,

I received your letter of March 28, and I shall be glad to make your and Mr. Robert B. Kenney's acquaintance during your travel to Europe. I hope to be in Milan on May 2, but it is better that you let me know your European address so that I may confirm the time of your visit.

As I know that your Society made very interesting works in the field of polyhydrocarbons and of rubbers, I shall be very pleased to discuss with you about several arguments.

Our works in the field of polyolefin chemistry are made with the Montecatini Society and I shall be able to introduce you, if you desire it, to some people of this Society, interested in these field

Very cordially yours,

G. Natta