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CHEMICAL DIVISIONS

161 EAST 42ND STREET
NEW YORK 17, N. Y.

FMC NAMES ROSE TO EUROPEAN POST

FOR IMMEDIATE RELEASE

NEW YORK, NEW YORK: Effective August 1st, 1958, William B. Rose has been named European Technical Representative for the Chemical Divisions of Food Machinery and Chemical Corporation in Geneva, replacing Dr. Charles P. Roberts, who had held the position for the past three years. Dr. Roberts is being transferred to headquarters in New York, and will continue to be concerned with coordinating the European with the domestic activities of FMC's Chemical Divisions.

Before his present appointment, Mr. Rose was Director of Research and Development for the Westvaco Chlor-Alkali Division. His association with FMC began in 1935, and includes experience in a variety of research and development positions.

Dr. Emil Ott, Vice President for Research and Development, Chemical Divisions, in announcing these changes, stated that the work of Dr. Roberts and Mr. Rose will continue and expand the cooperation between FMC's Chemical Divisions and European firms in the chemical industry.

*Cartella
Good*

August 26, 1959

our ref. 924/lv
your ref. WBR:pw

Mr. William B. Rose,
European Technical Represent
Food Machinery & Chemical
Corporation (USA)
40, rue du Rhône
Geneva (Switzerland)

Dear Mr. Rose,

I am extremely sorry not to be able to welcome you and Dr. Ott in Milan on Oct. 13. In fact, during the week of Oct. 12 to 16 I shall attend at the Wiesbaden Congress, where I shall give a conference (plenar Vortrag).

I do hope that Dr. Ott will be able to find another opportunity of coming to Milan; then I shall be very glad to meet him.

With my kindest regards.

G. Natta

ISTITUTO DI CHIMICA
INDUSTRIALE DEL POLITECNICO
* 24 AGO 1959 *
R 924



FOOD MACHINERY
AND CHEMICAL
CORPORATION
(USA)

WILLIAM B. ROSE
EUROPEAN TECHNICAL REPRESENTATIVE
CHEMICAL DIVISIONS

40, RUE DU RHÔNE
GENEVA, SWITZERLAND

12 August 1959
(Typed 13 August '59)

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

Dear Prof. Natta,

Dr. Emil Ott, our Vice President for Research and Development in New York City, is planning a short business trip over to Europe in October of this year, for generally talking new developments in Europe and America of potential mutual interest. He is particularly looking forward to seeing you, if you could give us an appointment for this purpose. I am presently developing an itinerary for his trip and would like to know if we could call on on Tuesday 13 October at 3 PM. Perhaps you and Mrs. Natta could also be our guest for dinner that evening.

Dr. Ott asked that I pass on his best regards. We will look forward with anticipation to your advice regarding confirmation of the proposed appointment, and to seeing you in due course.

Regards,

Sincerely yours,

William B. Rose

Suo molto

Spiacente di non poter essere a Ginevra il 13 quando sarebbe stato il congresso di

Wiesbaden dal 12 al 16 Ottobre al quale presenterò una conferenza. Informo vostro ufficio che Mr. Ott è in città da altre occasioni di lavoro e che può venire anche prima di 12/10/59

WBR:pw

September 16, 1958

Mr. W.B. Rose
Food Machinery &
Chemical Corp.,
6, rue de la Corraterie
Geneva, Switzerland.

997/mb

Dear Mr. Rose,

as I am quite unaware whether Mr. Ott and Mr. Cain have already left the States coming to Europe, I am sending you herewith two letters I have addressed to them. I would very appreciate it if you will give them to Mr. Cain and Mr. Ott before their leaving to Milan. I wish my cover could reach you before.

Awaiting the pleasure of meeting you in the occasion of your visit to Milan, I send you my best thanks and regards.

Sincerely yours,

Prof. G. Natta

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September 16, 1958

Mr. J Cain

Dear Mr.Cain,

please excuse my delay in writing to you, but this year I made my vacations more prolonged than the precedent years, and I have been back to Milan only in these days.

I was very glad to be informed that you and Mr.Ott will come to Milan next week. Mrs.Natta and I will be in Milan from September 23 till 25, and will appreciate very much to meet Mrs.Cain and you and to,have both you our guest for lunch or dinner. Mrs.Natta is waiting the pleasure of meeting Mrs.Cain.

Looking forward to seeing Mrs.Cain and you, I send you my kindest personal regards.

Very sincerely yours,

Giulio Natta

September 16, 1958

Mr.E.Ott

Dear Mr.Ott,

please excuse my delay in writing to you, but this year I made my vacations more prolonged than the precedent years, and I have been back to Milan only in these days.

I was very glad to be informed that you and Mr.Cain will come to Milan next week. Mrs.Natta and I will be in Milan from September 23 till 25 and will appreciate very much to meet Mrs.Ott and you and to have both you our guests for lunch or dinner. Mrs.Natta is waiting the pleasure of meeting Mrs.Ott.

Looking forward, to seeing Mrs.Ott and you, I send you my kindest personal regards.

Very sincerely yours,

Giulio Natta

Copia di lettera scritta a mano dal Prof. Natta.-

Dear Mr. Rose,

Your letter of 20 AUGUST was sent back to me from Milan in Champoluc, where I am spending a month of full vacations in our country house. Excuse me the delay in my answer. In the first weeks of september I will still pass the most of the time in Champoluc, but in the two last weeks of September I will be in Milan.

Mrs. Natta and I will be very glad to meet Mrs. Ottolenghi and Chain and ~~MR~~ Messrs. Ott. ~~and~~ and Chain in Milan the 25 september. Please sent my best regards to Mr. Ottolenghi and Chain and inform them that we are looking forward to meet them in Italy. With the best regards.



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ADMINISTRATIVE OFFICES
CHEMICAL DIVISIONS

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February 16, 1956

161 EAST 42ND STREET
NEW YORK 17, N. Y.

Professor Giulio Natta
Director
Polytechnic Institute
Piazza Leonard da Vinci 32
Milano, Italy

Dear Professor Natta:

I am making a very brief business trip to Europe with Mr. Henry S. Winnicki, Director of Engineering and Development of FMC, and will be joined in Europe by Dr. Charles P. Roberts, European Technical Representative of FMC Chemical Divisions stationed in Geneva. We plan to be in Milan Saturday morning, March 10th and I would very much like to have a short meeting with you. We are planning to fly to Paris that afternoon. In the event that you are not available perhaps we could see Dr. Pino. If this proves feasible, perhaps you could drop me a brief note here and also forward a copy care of Dr. Roberts, 6, Rue De La Corraterie, Geneva, Switzerland. Naturally, I will get in touch with you by telephone to complete the arrangements.

I was delighted to learn that you will be participating in the Polymer Program of the Gordon Research Conferences this summer. Perhaps you would like me to give you some additional background of these meetings.

I am looking forward very much to the opportunity of visiting with you.

Sincerely yours,

Emil Ott
Vice President

P.S.

Due to an oversight, I was not able to inform you earlier of my change in connection. The enclosed news release will give you some information.

EO.

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February 22, 1956

Am.

Dr. Emilio Ott, Vice President
Administratives Offices
Chemical Divisions
Food Machinery and Chemical Corp
161 East 42nd Street
NEW YORK 17, N.Y., U.S.A.

Dear Dr. Ott,

Thank you for your very kind letter of February 16. I shall be very glad to meet you during your trip to Europe, but on March 9 and 10 I shall be in Rome, because I must attend to a meeting of the "Accademia Nazionale dei Lincei", as I am a member. My address in Rome will be: G. Natta, Via Bellotti Bon 10, Roma. I might anticipate my departure from Rome, and travelling in the night, come back to Milan on Sunday morning March 11, about at 9.00 a.m. Therefore I shall be glad to see you, if possible, on Sunday 11 at my home (Via Mario Pagano 54, Milano). 286308

Prof. Pino has been nominated professor of Industrial Organic Chemistry at the University of Pisa, but, every week from Sunday to Tuesday he comes to our Institute in Milan. Therefore, Prof. Pino will be very glad to meet you, if you will stay in Milan until Sunday March 11, at least. (286308)

I see from your letter your connection with "Food Machinery and Chemical Corporation" and I would like to know if you are no more in connection with Hercules Powder Co.

Awaiting the pleasure of meeting you, I send you my best regards.

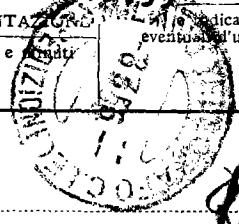
Sincerely yours,

Giulio Natta

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e non assume alcuna responsabilita-
seguenza del servizio telegrafico.

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= REFERENCE YOUR CABLE WOULD LIKE TO SEE YOU SATURDAY
 AFTERNOON OR EVENING 10 MARCH ARRIVING MILANO SATURDAY
 LAI 436 AT 15:35 AND WILL TELEPHONE YOU AT HOME FROM AIRPORT = OTT

MC 7 FRANKF		Auto il 19..... ore..... RICEVENTE	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		
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Lettera

Will visit you Sunday morning 11 March = OTT +

*Prof Ott ~~and~~ Roberts
Rue de la Coconnerie 6
Geneve, Switzerland*

~~Handwritten scribbles and crossed-out text~~

*I shall
I can see you in P.L.
Saturday 10 or Sunday
evening with*

ESPRESSO

March 8, 1956

Am
Dr. E. Ott
c/o Dr. Roberts
6, rue de la Corraterie
G E N E V A - Switzerland

Dear Dr. Ott,

Following up my telegram, I inform you that I succeeded in deferring my engagements? Therefore, I shall see you on Saturday 10 in the morning or better, in the afternoon, or on Sunday 11, after the dinner.

Prof. Pino will be in Milan also on Sunday 11, in the morning.

Looking forward to seeing you in Milan, I send you my best personal regards.

Very sincerely yours,

Giulio Natta

380 A

Am.



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ADMINISTRATIVE OFFICES
CHEMICAL DIVISIONS

February 28, 1956

161 EAST 42ND STREET
NEW YORK 17, N. Y.

Professor Giulio Natta
Director
Polytechnic Institute
Piazza Leonard da Vinci 32
Milano, Italy

Dear Professor Natta:

Thanks ever so much for your letter of February 22, 1956. It just reached me before my departure for Europe. I am delighted to learn that you would be willing to receive us for a visit Sunday morning, March 11th, at your home. I am trying to rearrange our schedule so that we could be in Milano on Saturday night instead of Friday night. I will communicate with you from Europe to make a definite date.

Please convey to Professor Pino my congratulations on his new position at the University of Pisa. If Professor Pino would also be available, naturally, we will be very happy to see him.

In connection with your inquiry on my present connection, please be advised that I am now entirely with Food Machinery and Chemical Corp. and have severed completely my connections with Hercules Powder Company. However, my relations with Hercules are very friendly.

Looking forward to meeting with you again, I remain

Sincerely yours
Emil Ott

Emil Ott
Vice President



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ADMINISTRATIVE OFFICES
CHEMICAL DIVISIONS

301 A

Am.

February 20, 1956

161 EAST 42ND STREET
NEW YORK 17, N. Y.

Professor Giulio Natta
Director
Polytechnic Institute
Piazza Leonard da Vinci 32
Milano, Italy

Dear Professor Natta:

Due to an oversight, the attached
press release was not enclosed in my
letter to you of February 16, 1956.

Sincerely yours,

Emil Ott
Emil Ott

b

Mr. Busch

NEWS RELEASE

From Sales Promotion & Publicity Mgr.
Telephone MUrray Hill 7-7400



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CHEMICAL DIVISIONS

161 EAST 42ND STREET
NEW YORK 17, N. Y.

EMIL OTT TO HEAD
FMC CHEMICALS RESEARCH

FOR RELEASE THURSDAY, NOVEMBER 17, 1955

(Art of Ott attached)

New York, N.Y., November 17: Dr. Emil Ott has been appointed Director of Central Chemical Research and a Vice-President of Food Machinery and Chemical Corporation's Chemical Divisions, Mr. Ernest Hart, Executive Vice-President of FMC announced today. Dr. Ott will at present be located in the executive offices of the Chemical Divisions in New York City pending completion of a multimillion dollar Research Center for the Chemical Divisions near Princeton, New Jersey. The new Center will concentrate on long-range research projects in organics, polymers, plastics, tracer techniques, high temperature and high pressure processes and other areas of potential interest to the six operating Chemical Divisions.

Emil Ott is one of the country's leading authorities in industrial chemistry. For the past 16 years he has been Director of Research with the Hercules Powder Company. Born in Zurich, Switzerland, he received his D. Sc. degree there in 1927, and came to the United States in the same year. He has been a naturalized citizen since 1937. Following development work with the Stauffer Chemical Company in 1927, Dr. Ott was on the chemistry faculty of Johns Hopkins University from 1928 until 1933, when he joined the Hercules Powder Company.

He has served in the American Chemical Society in various capacities, being a member of the Board of Directors from 1948 through 1950. He also has been active in many other technical organizations, including the Gordon Research Conferences where he has served as chairman of the management committee. Dr. Ott is a Director of the Industrial Research Institute, a Fellow of the Physical Society and of the New York Academy of Sciences, and a past president of the Association of Research Directors. Internationally, he has represented the United States at meetings of the International Union of Chemistry, the Food and Agricultural organization of the United Nations, The Society of Chemical Industry (England) and the Societe de Chimie Industrielle (France).

Sede, 16 Ottobre 1956.

Preg.mo Signore
Ing. Piero Giustiniani,
S e d e.

e p.c. sigg. prof. Natta; ✓
ing. De Varda.

Mi telefona da Ginevra il dr. Roberts, Rappresentante della Food Machinery in Europa, che il dr. Seaton, Vice Presidente della Food Machinery ci visiterebbe il 6 Dicembre.

Inoltre, il 13 Novembre il dr. Johnson, Direttore delle Ricerche della Food Machinery a Niagara Falls, visiterebbe l'ing. Maveri a proposito di insetticidi.

Or/sl.

lto: Orsoni

Sede, 15 Ottobre 1956.

Preg.mo Signore
Ing. Piero Giustiniani,
S e d e.

Food Machinery sta avviando un nuovo Laboratorio centrale di ricerche a Princeton, N. J. Il capo di questo Laboratorio è stato assunto circa un anno fa, e precedentemente era capo delle ricerche di Hercules Powder.

Per questo fatto, Food Machinery è in fatto di polimerizzazioni catalitiche meno all'oscuro di quanto vorrebbe far credere, quando chiede un periodo di opzione di 10 mesi.

lto: Orsoni

Or/sl.

October 5, 1956 *ju*

Mr. Emil Ott, Vice President
Food Machinery Corporation
Central Research Laboratory
Chemical Divisions
161 East 42nd Street
NEW YORK 17 - N.Y. - U.S.A.

Dear Mr. Ott,

I just received the beautiful horns from Texas, that are arrived perfectly. They let me remember all the kindnesses received during my staying in Houston. I am sending you again my deepest thanks and I beg you to convey my thanks also to Mr. Cain, Mr. Mares and to other fine people of Petro Tex.

I hoped to meet you in Italy in September, when I have been informed that people from Food Machinery should have visited the Montecatini Company.

In the field of butylene polymerisation, we have achieved remarkable progresses during last months, particularly in regard to new end-uses, that seem to be very interesting in the case of some kind of new polymers with molecular weight from 100.000 to 400.000. In certain cases, polybutene is better than polypropylene.

Probably, the people from Food Machinery, that came to Italy and that I did not see, had no opportunity to realize the potential possibility of different kinds of polybutenes, neither Montecatini was disposed to give detailed information on this field, without a preliminar agreement.

In the beginning of 1957, the Ferrara commercial plant for the polypropylene production will start. The same plant will be able to polymerise the butylene and can dispose of a sufficient quantity of butene to perfect the studies on its end-uses.

The Montecatini Co. is quite sure of the value of their patents, and therefore it may be more convenient for them to wait a commercial production rather than to give licenses in the States at conditions inadequate to its importance.

./.

October 5, 1956

- 2 -

I think that the butene availability from Petro Tex is interesting for a large industrial production of polybutene, rather than for an experimental production. It is ^{my} opinion that it can be important for the Food Machinery to be the first Company to produce polybutene in the States. As for me, the settling of the problem given last month by Food Machinery is wrong because it consider that the polybutene is an a lower position than the Ziegler polythene.

I am writing to you reservedly, and this letter explains only my personal point of view.

With my kindest personal regards also to Mrs. Otto and David,
I remain,

Very sincerely yours,

Giulio Natta



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CHEMICAL DIVISIONS

161 EAST 42ND STREET
NEW YORK 17, N. Y.
June 20, 1956

Professor G. Natta
Hotel Pierre
61st Street and 5th Avenue
New York, N.Y.

Dear Professor Natta:

Confirming the conversation which my secretary had with Mrs. Natta on Monday, I wish to advise that we propose to meet Mrs. Natta and yourself and Professor Pino at the Airport in Boston at about 6 P.M. on Friday, June 29th. We will travel in our Company plane which will be located at Wiggans Airways Hangar, Logan Airport, Boston.

I wish to advise also that we have made reservations for Mrs. Natta and yourself and Professor Pino, as well as for the members of our own party, for Friday and Saturday, June 29th and 30th, at the Sheraton Brock Hotel, Niagara Falls, Ontario, Canada.

On Sunday morning arrangements will be made to drive your party to the nearest airport where you can get a plane for New London, New Hampshire.

If there is any way in which I can be of assistance, please do not hesitate to call on me.

Very truly yours,

H. S. Winnicki
Director of Development
and Engineering

HSW:AM

84413
July 25, 1956

Mr. H. S. Winnicki-
Director of Development
and Engineering - Chemical Div.
Food Machinery and Chemical Corp.
161 West 42nd Street
NEW YORK 17 - N.Y. - U.S.A.

Dear Mr. Winnicki,

We have been sorry to leave New York without having said "goodbye" to you and having thanked you again for the lovely trip to the Niagara Falls.

We shall never forget the lovely time we spent together and the kindness of you all.

We do hope very much that you will come to Italy and we shall be very glad to take you around your country and spend some time with you here.

Our trip to Texas was very pleasant and I visited with very great interest the Petro Tex plant, and I have informed Mr. Giustiniani and Mr. Orsoni of your availability of concentrated Butane-1.

With our deepest thanks and best wishes,

Very sincerely yours,

Giulio Natta

Professor G. Natta, Statler Hotel, Boston, Mass

June 20, 1956

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Professor G. Natta
Hotel Pierre
61st Street and 5th Avenue
New York, N.Y.

Dear Professor Natta:

Confirming the conversation which my secretary had with Mrs. Natta on Monday, I wish to advise that we propose to meet Mrs. Natta and yourself and Professor Pino at the Airport in Boston at about 6 P.M. on Friday, June 29th. We will travel in our Company plane which will be located at Wiggans Airways Hangar, Logan Airport, Boston.

I wish to advise also that we have made reservations for Mrs. Natta and yourself and Professor Pino, as well as for the members of our own party, for Friday and Saturday, June 29th and 30th, at the Sheraton Brock Hotel, Niagara Falls, Ontario, Canada.

On Sunday morning arrangements will be made to drive your party to the nearest airport where you can get a plane for New London, New Hampshire.

If there is any way in which I can be of assistance, please do not hesitate to call on me.

Very truly yours,



H. S. Winnicki
Director of Development
and Engineering

HSW:AM



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ADMINISTRATIVE OFFICES
CHEMICAL DIVISIONS

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Am-

May 24, 1956

161 EAST 42ND STREET
NEW YORK 17, N. Y.

Professor Giulio Natta
Director
Polytechnic Institute
Piazza Leonard de Vinci 32
Milano, Italy

Dear Professor Natta:

Thanks ever so much for your letter of May 16, 1956. I look forward indeed to hearing more about your plans. We sincerely hope to have an opportunity of having a good visit with you in New York and in Princeton. I understand that Dr. Giustiniani has planned a visit with Food Machinery and Chemical Corporation during his stay in New York. We of course would be happy to have him visit in Princeton also with you and Mrs. Natta, or separately as may suit your convenience.

Looking forward to hearing further from you, I remain in the meantime with best personal regards to you and Mrs. Natta,

Sincerely yours,

Emil Ott
Vice President

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Reference suggested

833A

July 25, 1956

Mr. Emil Ott, Vice President
Food Machinery and Chemical
Corporation
161 East 42nd Street
NEW YORK 17 - N.Y. - U.S.A.

Dear Dr. Ott,

you cannot imagine how Rosita and I have been touched by your great kindness and what a grateful remembrance we keep of the lovely time we spent with you at the Niagara Falls and in Texas. We have no words for thanking you enough for everything, we only hope you will come soon to Italy and we shall do our best to make you feel at home here, as we have been in the States.

Last Saturday, as soon as I arrived in Milan, I met Mr. Giustini and referred to him about my visit to the PetroTex plant in Houston and that you can dispose of concentrated butene-1.

I have been also informed about the improvements achieved by Montecatini in producing and developing polybutene-1. This polymer will surely find very interesting end-uses, because some of its properties are different and better than those of polypropylene.

The interest of other American Companies is today completely addressed to polypropylene and polystyrene, and Montecatini received a great number of requests of licence principally for these products.

I think that you, owing to your availability of butene-1, may be in a favourable position to start a polybutene-1 production in the United States. Though Mr. Giustini and Mr. Orsoni are very busy during these weeks and they have their vacation after August 4, you may write to them proposing to meet them both as soon as possible. I think, however, it will be difficult for you to meet them before the end of August.

Our best remembrance to Mrs. Ott and to David and our best regards and thanks.

Your sincerely,

Giulio Natta

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CHEMICAL DIVISIONS

May 8, 1956

161 EAST 42ND STREET
NEW YORK 17, N. Y.

Professor Giulio Natta
Director
Polytechnic Institute
Piazza Leonard de Vinci 32
Milano, Italy

Dear Professor Natta:

During a discussion with Professor Herman Mark I learned that you and Mrs. Natta have firmed up your travel plans to the extent that you are planning to arrive in Idlewild Airport, New York, on Friday, June 8. Please let me know if I can in any way be of assistance to you to make your visit over here most profitable and enjoyable. I would be delighted to have lunch or dinner with you and Mrs. Natta on Friday, June 8, if this should prove agreeable to you. On the other hand, I understand from Professor Mark that you might want to spend the weekend by yourselves in New York since you leave on Sunday for the first Gordon Research Conference in New Hampshire. I am planning to attend with Mrs. Ott the Polymer Conference, at which you are a featured speaker. If it should be convenient to you and Mrs. Natta, we would be happy to drive you to and from this meeting.

We are now living in our new home in Princeton, N.J., (56 Greenhouse Drive - Telephone: Princeton 1-0760) and Mrs. Ott and I would like to have you spend some time there. However, I am still working in the New York Office at the above address until our new laboratory is completed this summer. My telephone number here at the office is Murray Hill 7-7400.

I wish again to express my thanks to you and Mrs. Natta for a most enjoyable visit at your home in Milano.

If I remember correctly, you expressed an interest in visiting our Petro-Tex facilities at Houston, Texas. I would be most happy to make the necessary arrangements for such a visit. To facilitate the trip, we would plan to make use of our company airplane for your convenience.

Please let me know in what way we might have the pleasure of assisting you. My associates and I look forward with a great deal of interest to meeting with you again. In the meantime, with best personal regards to you and Mrs. Natta,

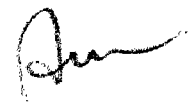
Sincerely yours,

A handwritten signature in cursive script, appearing to read "Emil Ott".

Emil Ott
Vice President

b

May 16, 1956


Mr. Emil Ott, Vice President
Food Machinery and Chemical
Corporation - Chemical Div.
161 East 42nd Street
NEW YORK 17 - N. Y. - U. S. A.

Dear Dr. Ott,

Many thanks for your very kind letter of May 8, and for your gracious invitation to visit Mrs. Ott and you at your home.

As I shall do my trip with Dr. Giustiniani, most probably I shall be very busy during the week before the Gordon Research Conference on Organic Reactions. Therefore, I cannot till now assure you to be able to see you on June 8.

I shall write to you again before my leaving or I shall inform you as soon as I arrive in New York.

Mrs. Natta joins me in sending Mrs. Ott and you kindest regards.

Very sincerely yours,

Giulio Natta

FOOD MACHINERY
AND CHEMICAL
CORPORATION

CHEMICAL DIVISIONS

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Am

161 EAST 42ND STREET
NEW YORK 17, N. Y.

March 20, 1956

Professor Giulio Natta, Director
Polytechnic Institute
Piazza Leonard de Vinci 32
Milano, Italy

Dear Professor Natta:

I returned to the United States today and wish to let you know promptly how much we appreciated your kindness in arranging to see us at your home while we were in Milan. It was indeed a privilege to meet you, your most charming wife, and fine son.

Please do not hesitate to call on us if we can be of any assistance to you in supplying information relating to the chemical industry in the United States. Dr. Roberts is located only a few hours from Milan, and I know he would be delighted to be of whatever help he can.

May I thank you once again for your gracious hospitality and I sincerely hope that I shall have the pleasure of seeing you and your wife when you visit our country.

Sincerely yours,



H. S. Winnicki, Manager
Central Development Department

HSW:AM

December 19, 1956

9/11/2
Am

Mr. Emil Ott, Vice President
Food Machinery and Chemical Corp.
Central Research Laboratory
Chemical Divisions
P. O. Box 8
PRINCETON - N. J. - U. S. A.

Dear Mr. Ott,

I was very glad to have seen you during your visit in Milan, but I am really sorry to have missed the opportunity to see again you, Mrs. and Mr. Cain during your following visit, when I was away.

I have been informed from Montecatini that any eventual new negotiation about polybutene is delayed after the starting of the pilot plant in Ferrara.

I confirm you, that I believe that the butene-1 can give, by polymerization, some very interesting products, having visco-elastic properties different from those of polypropylene. The stability of polybutene seems to be higher than that of polypropylene.

The Patent Office of Montecatini has sent to you the copies of the Italian patents I asked for you. These copies differ a little from those Belgian, because the last ones derive from the union of Ziegler's and mine patents.

My wife joins to me in sending to Mrs. Ott, to you and David the best wishes for a Merry Christmas and a Happy New Year.

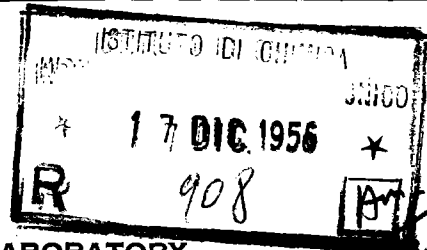
With my best regards, I am,

Sincerely yours,

Giulio Natta



CENTRAL RESEARCH LABORATORY
CHEMICAL DIVISIONS



P. O. BOX 8
PRINCETON, N. J.

December 10, 1956

Director
Polytechnic Institute
Piazza Leonard da Vinci 32
Milano, Italy

Dear Sir:

We have read with interest your scientific article published in MODERN PLASTICS, December 1956, Vol. 34, No. 10, page 169, by G. Natta, "Stereospecific Catalysis & Isotactic Polymers".

We would appreciate receiving three (3) copies of the reprint. A stamped envelope is enclosed for their transmittal.

Thank you kindly.

Encl: Stamped envelope

Very truly yours,

Karl Zapf Jr.

Karl Zapf Jr.

December 20, 1956

Mr. Karl Zapf, Jr.

Food Machinery and Chemical C.

Central Research Laboratory
Chemical Divisions

P.O. Box, 8

Princeton, N.J. (U.S.A.)

Dear Mr. Zapf,

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 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)

FOOD MACHINERY AND CHEMICAL CORPORATION
CENTRAL RESEARCH LABORATORY
CHEMICAL DIVISIONS
OFFICE MEMORANDUM

TO Dr. Emil Ott
FROM J. P. Alden

PRINCETON, N. J.

SUBJECT: ITALIAN PATENTS

DATE November 12, 1956

The following Montecatini-Natta patents are not available at U. S. Patent Office, FMC Patent Department, New York Public Library, and Research Information Service of New York City.

Will you please secure one copy of each of the following Italian patents during your European trip:

526, 101

450

537, 425

460

535, 712

409

and others Dr. Natta might make available to you.

*not yet published
but Prof. Natta will make
photocopies*

Sincerely,

J. P. Alden
J. P. Alden

JPA/kz

Not needed

disposal report 17-11-56
28-12-56
10-1-57
14-1-57
15-1-57
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FOOD MACHINERY
AND CHEMICAL
CORPORATION

CHEMICAL DIVISIONS

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161 EAST 42ND STREET
NEW YORK 17, N. Y.

October 31, 1956

Professor Giulio Natta, Director
Istituto Di Chimica Industriale Del Politecnico
Piazza Leonardo Da Vinci, 32
Milano, Italy

Dear Professor Natta:

I feel very remiss in not answering your letter of August 29th at a much earlier date. I had intended to write to you on many occasions since receiving your letter and, at the same time, to acknowledge for Dr. Ott your letter to him of August 29th. However, on each occasion, I decided to wait a day or two expecting always that I might have some specific news to convey to you concerning our negotiations with Montecatini. As these things generally go, we have been in communication, but have not arrived at a conclusion.

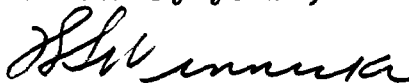
As you perhaps know, Dr. Orsoni was here in the United States a few weeks ago and we had two discussions with him concerning the possible polybutene license. After our discussions, Dr. Orsoni returned to Milan and was to notify us of conclusions reached by Montecatini concerning counter proposals which we have made. We are now awaiting a reply from Montecatini.

As Dr. Ott has already informed you, he will be in Paris during the latter part of November and expects to see you there. In the event that you will not attend the Paris meeting, he definitely plans to come to Milan to see you. I only regret that my activities at the present time make it impossible for me to come to Europe at the same time.

Both Mrs. Winnicki and I have recalled on several occasions the delightful time we had on the trip we all took together to Niagara Falls. We both hope that an opportunity will be afforded in the near future when we might be able to see each other either in your country or in my country.

Mrs. Winnicki joins me in sending warmest regards to Mrs. Natta and yourself.

Sincerely yours,



H. S. Winnicki

am

HSW:AM

ESPRESSO

687
Ann. (Food Rec.)

November 19, 1956

Mr. Charles P. ROBERTS
6, rue de la Corraterie
GENEVE, Switzerland.

Dear Mr. Roberts,

Last Saturday, being not in Milan, your cable was incompletely communicated to me, and I charged by telephone the Montecatini with replying to you.

Only today, I have read your cable and I learn with pleasure that besides you and Mr. Cain, Mr. Ott and Mr. Seaton will also come to Milan ^{on} Monday. I shall be very glad to meet you. Therefore, I decided to come back to Milan from Paris Sunday, November 25, so that I may see you in Milan on Monday. If you are free, I shall be very pleased to have you, Mr. Ott, Mr. Cain and Mr. Seaton to lunch at my home.

Awaiting the pleasure to meet you, I send you my best regards.

Sincerely yours,

(G. Natta)

RP 2.84 = PROFESSEUR CILIC
 NATTA ISTITUTO DI CHIMICA -
 INDUSTRIALE DEL POLITECNICO
 MILANO =

Mod. 30 (Ediz. 1955)

RO

INDICAZIONI D'URGENZA	Ricevuto il 19..... ore..... RICEVENTE	Le ore sono sul meridiano corrispondente al tempo dell'Europa Centrale. Nei telegrammi impressi a caratteri romani, il primo numero dopo il nome del luogo di origine rappresenta quello del programma, il secondo quello delle parole, gli altri la data e l'ora di arrivo della presentazione.			Rolle Via e indicazioni eventuali ufficio
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1956 NOV 17 14:48

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+ 03633 GENEVE TEL 5638 41 17 1328 =

OTT CAIN SDATON AND I WILL BE IN MILANO 25 NOVEMBER AND WOULD LIKE TO SEE YOU STOP IF CONVENIENT TO YOU PLEASE CABLE INDICATING SUITABLE

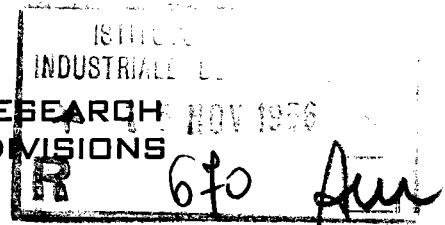
HCUR = ROBERTS FOODCHEM GENEVA +

you will
I don't meet ~~you~~ on ~~Friday~~ morning 25
in Geneva on ~~Thursday~~ Tuesday morning
in Milan. Letter follows No. 12



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CENTRAL RESEARCH
CHEMICAL DIVISIONS



P. O. BOX 8
PRINCETON, N. J.

November 13, 1956

AIR MAIL

Professor Giulio Natta, Director
Istituto Di Chimica Industriale Del Politecnico
Piazza Leonardo Da Vinci 32
Milano, Italy

Dear Professor Natta:

Thanks ever so much for your letter of November 7, 1956.
I look forward to seeing you on November 23, and 24 in Paris.
I will be staying at the Hotel Plaza Athenee.

Mr. Gordon Cain of Petro-Tex will also be in Paris at the
same time and probably Dr. Roberts will get there on Saturday,
November 24 so we can all have a very nice meeting with you.

We are planning to leave for Milano to be there probably from
November 26 on. We hope of course, to see you and Mrs. Natta
again in Milano and we are also planning some contacts with
Montecatini.

Looking forward with pleasure to seeing you and your family
again, I remain with best greetings,

Sincerely yours,

Emil Ott,
Vice President

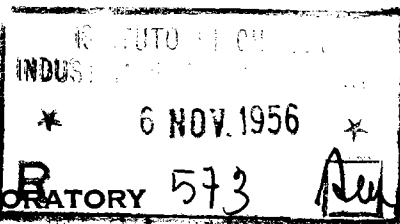
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FOOD MACHINERY
AND CHEMICAL
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CENTRAL RESEARCH LABORATORY
CHEMICAL DIVISIONS



P. O. BOX 8
PRINCETON, N. J.

October 29, 1956

Professor Giulio Natta, Director
Istituto Di Chimica Industriale Del Politecnico
Piazza Leonardo Da Vinci 32
Milano, Italy

Dear Professor Natta:

As mentioned in my letter of October 15, I am sending you herewith a copy of the French version of the talk to be given by Max Y. Seaton and myself in Paris on November 23.

I find that I shall have only one week in Europe. Tentatively, my plans are to fly to Switzerland to be with my family the weekend of November 17 and 18; to spend November 19 in Geneva, and go on from there to Paris; to be in Paris from the 19th or 20th until the 23rd for the talk; to depart for New York on November 24 or 25.

Is it at all possible to see you in Paris any time between November 19 and 23? If not, I should like to make plans to see you in Milano some time before the talk. Therefore, I would very much appreciate hearing from you by return mail so that further arrangements might be made.

With kindest regards to you and Mrs. Natta from all of us,
I remain

Sincerely yours,

Emil Ott

Emil Ott, *by M.C.*
Vice President

Eo/Mc
Encl.
Dictated but not read.

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November 7, 1956

Mr. Emil Ott, Vice President
Food Machinery and Chemical Corp.
Central Research Laboratory
Chemica Divisions
P. O. Box 8
PRINCETON, N. J., U. S. A.

Dear Mr. Ott,

I received your letter of October 29, and I thank you for sending to me the lecture you will present in Paris on November 23.

I foresee I shall arrive to Paris only on November 23, because I shall give a Lecture on November 24. I hope to be able to remain in Paris also on November 26 and 27, as I have in program to attend the "Symposium on grafted polymers"? Probably, I shall stay at the Lotti Hotel, rue de Castiglione.

I am very sorry not to be able to be in Paris from November 19 to 23, but I shall be very glad to meet you if you may come to Milan before.

My wife and myself are looking forward to seeing you again.

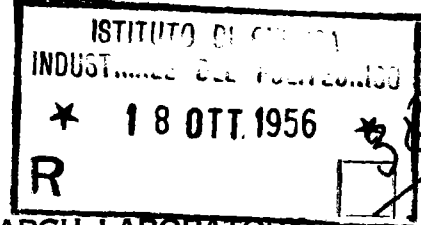
With best personal wishes,

Sincerely yours,

Giulio Natta



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CENTRAL RESEARCH LABORATORY
CHEMICAL DIVISIONS

P. O. BOX 8
PRINCETON, N. J.

October 15, 1956

~~2/15~~ VLP

Professor Giulio Natta, Director
Istituto Di Chimica Industriale Del Politecnico
Piazza Leonardo Da Vinci 32,
Milano, Italy

Dear Professor Natta:

Thank you very much for your letter of October 5, 1956. I am delighted to learn that the Texas horns have arrived in good condition. A photostatic copy of your letter has been forwarded to Mr. Mares and Mr. Cain of Petro-Tex so that they know of your pleasure in receiving the "small" Texas souvenir.

Mr. Mares was visiting with me at our new laboratory in Princeton last Friday. As you may recall, Petro-Tex has a large research group stationed at our Princeton Laboratory. They are now able to continue the research effort with increased vigor. Mr. Mares and I discussed your letter and we exchanged remembrances about the wonderful visit we had with you and Mrs. Natta in Houston.

Petro-Tex and Food Machinery and Chemical Corporation have been in contact with Montecatini, as you know, and I hope indeed that a mutually satisfactory contract can soon be arranged.

I am sorry that I was not able to be in Milano after your return to Italy. As you can well imagine, I have been extremely busy with the start up of our new laboratory. However, as we have discussed earlier, I will be in Paris to give a

Prof. Natta

October 15, 1956

talk at the meeting of the Société de Chimie Industrielle on November 23. If I remember correctly, you are likewise planning to be at the meeting and give a talk during the same week. Hence I look forward with pleasure to the possibility of meeting with you in Paris. If not, I certainly will make it a point to come to Milano for a visit. My program is not worked out as yet in any detail, but I know that I will only be able to make a brief visit to Europe in November.

Incidentally, the title of the talk is, "Echanges internationaux dans le domaine de la recherche et de la réalisation industrielles," by Emil Ott et Max Y. Seaton. I will forward you a copy in the French version for your convenience, in the near future.

I was very much interested to learn from your kind letter, of the great progress which you have made in the butylene polymerisation field. I thank you very much for the personal information which you have given me.

Looking forward to meeting with you again in November, if not sooner, I remain, in the meantime, with best personal regards in which my wife and David join me to you and Mrs. Natta,

Very sincerely yours,



Emil Ott
Vice President

Eo/Mc

FOOD MACHINERY
AND CHEMICAL
CORPORATION

CHEMICAL DIVISIONS

161 EAST 42ND STREET
NEW YORK 17, N. Y.

August 20, 1956

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

Dear Professor Natta:

I was delighted to receive your letter of July 25th and was extremely sorry that previous commitments made it impossible for me to say "Good Bye" when you left New York.

We are appreciative of your informing Drs. Giustiniani and Orsoni of our Petro-Tex operations and the availability of butene-1 at that location. Dr. Prutton, our Executive Vice-President of the Chemical Divisions, recently wrote a letter to Dr. Giustiniani outlining our interest in cooperating in the polybutene development and suggesting further discussions when Dr. Giustiniani comes to the United States in September. In the event that Dr. Giustiniani does not come to America, Dr. Prutton proposed that he, or someone else, come to Italy for such discussions.

I am enclosing a brief outline of our raw materials at Houston and a Government publication describing the process, operations, plant, and costs which was prepared at the time the Government sold its rubber plants. You may find this of interest.

We sincerely hope that you and Mrs. Natta have had time to recuperate from your strenuous U.S. trip. Mrs. Winnicki joins me in sending our warmest regards to you and Mrs. Natta and hope that we shall have an opportunity to enjoy your pleasant company in the near future.

Very sincerely yours,

H. S. Winnicki

H. S. Winnicki
Director of Engineering
and Development

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August 29, 1956

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Mr. H. S. Winnicki
Director of Engineering and Delop.
Chemical Divisions
Food Machinery and Chemical Copp.
161 East 42nd Street
NEW YORK 17 - N.Y. - U.S.A.

Dear Mr. Winnicki,

Many thanks for your kind letter of August 20, and for the information and the publication you very kindly sent to me.

I have been informed that Mr. Giustiniani received the letter from your Dr. Prutton, of the Chemical Division, and I have the impression that he will consider with interest the possibility of an eventual agreement with your Company in the field of polybutene-1. As Mr. Giustiniani will not be able to come to the States next months, I believe it would be better that someone from your Company come to Milan.

Last days we remembered many times Mrs. Winnicki and you, and Mrs. and Mr. Ott, because we saw the very successful film Mrs. Natta took during our wonderful trip round the Niagara Falls. Mrs. Winnicki and you are extremely photogenic in the scene on the terrace of the Hotel!

Mrs. Natta and myself do hope to have soon the pleasure to see you in Milan, and in the meantime we send you both our best wishes

Your sincerely,

Giulio Natta

MEMO ON PETRO-TEX CHEMICAL CORPORATION

The Petro-Tex Chemical Corporation is owned equally by the Food Machinery and Chemical Corporation and Tennessee Gas Transmission Company. Food Machinery's chemical activities are well known to Montecatini. The Tennessee Gas Transmission Company is the largest natural gas transmission company in the world. They transport over a billion cubic feet of natural gas a day. In addition, they have substantial production of natural gas, liquid hydrocarbons and crude oil. This connection with Tennessee Gas gives Petro-Tex and FMC an excellent basic position for any enterprises that use light hydrocarbons as the raw material.

When the U.S. Government sold the synthetic rubber plants last year, Petro-Tex bought the Houston butadiene plant. This was the second largest butadiene plant in the country. It has a rated capacity of 90,000 tons of butadiene a year. Minor modifications at the plant since it was purchased have increased its capacity to 120,000 tons of butadiene a year.

Attached is a U.S. Government brochure describing the Petro-Tex butadiene plant as it was when it was purchased from the Government. Briefly, the steps in the operation of the present plant are to buy butylene-containing stream from oil refineries. These are purified to produce concentrated normal butylene. The concentrated normal butylene is dehydrogenated to butadiene, which is purified and sold.

The nature of the butylene purification process at Petro-Tex is such as to be particularly advantageous for the production of comparatively pure butylene-1. The feedstock for the Petro-Tex butylene purification system is a refinery stream with the following typical composition:

Propane	5.0%
Isobutane	31.0%
Isobutylene	14.5%
Butylene-1	10.5%
Butadiene	.1%
N-Butane	15.5%
Butylene-2	20.0%
Pentane	3.4%
<u>Total</u>	<u>100.0%</u>

As the first step, this stream is fractionated. Some of the normal butane and the components boiling lower than normal butane go overhead. The normal butane and butylene-2 go out the bottom. The overhead stream containing butylene-1 goes through a cold acid polymerization plant in which the isobutylene is polymerized and removed. This isobutylene removal is not entirely complete. The product will usually contain about 2% isobutylene. The

butylene-1 in the stream from the acid polymerization plant is removed by extractive distillation using furfural as a solvent.

For butadiene production, it is sufficient if we produce a butylene concentrate containing more than 80% normal butylene. However, if necessary at relatively little added expense, we could produce a stream of the following composition:

Isobutane	0.0%
Isobutylene	1.3%
Butylene-1	80.0%
Butadiene	0.2%
N-butane	6.5%
Butylene-2	<u>12.0%</u>
Total	100.0%

We now have about 120,000 tons a year of butylene-1. The cost of a stream of the above composition would be about 4¢ per pound of contained normal butylene-1. Further purification if necessary should not be expensive.

We have an expansion under way now. This will result in increasing our butadiene capacity to 200,000 tons a year. We will also produce a substantial part of our butylene by dehydrogenation of normal butane. As a result of this expansion, the amount of butylene-1 we will have available will be increased to about 200,000 tons a year.

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CENTRAL RESEARCH LABORATORY
CHEMICAL DIVISIONS

P. O. BOX 8
PRINCETON, N. J.

August 10, 1956

Professor Giulio Natta
Director
Polytechnic Institute
Piazza Leonard de Vinci 32
Milano, Italy

Dear Professor Natta:

It was very good to receive your prompt letter of July 25, 1956. Although you did not say, I assume that you and Mrs. Natta had a very good trip back to Milano. My wife, David and I enjoyed very much the time we could spend together with you and Mrs. Natta, and we are happy to know that your American visit turned out so enjoyably for you.

I am very glad that you were able to see Mr. Giustiniani so promptly and could tell him about your visit at the Petro-Tex Plant in Houston. A letter has been prepared with the needed information for Giustiniani, and it is scheduled to be mailed early next week. I hope that suitable arrangements will materialize soon which will permit future rapid developments in polybutene-1.

We indeed look forward to a visit in Milano before too long and in the meantime send you and Mrs. Natta our best greetings from the Ott family.

Sincerely yours,

Emil Ott
Vice President

EO:RM

948
August 29, 1956

J. Natta

Mr. Emil Ott, Vice President
Central Research Laboratory
Chemical Divisions
Food Machinery and Chemical Corp.
161 East 42nd Street
NEW YORK 17 - N. Y. - U. S. A.

Dear Mr. Ott,

Many thanks for your very kind letter of August 10. In the last few days we have had the opportunity to remember you your wife and David, and Mrs. and Mr. Winnicki, in a special way, because we and our friends have seen and admired many times the very successful film Rosita took during our wonderful trip round the Niagara Falls.

Last week I saw Mr. Giustiniani, who told me that he received a letter from your Company. I have the impression that he will consider favourable the possibility of an agreement with your Company in the field of polybutene-1. As it will not be possible for Mr. Giustiniani to come to the States, I believe that it would be advisable for your Company to send someone to Milan.

We do hope to have soon the pleasure to see you in Italy. Mrs. Natta joins me in sending Mrs. Ott and you our best wishes.

Tours sincerely,

Giulio Natta

1251A

**FOOD MACHINERY
AND CHEMICAL
CORPORATION**

FAIRFIELD CHEMICAL DIVISION

FOOD MACHINERY
AND CHEMICAL
CORPORATION

1701 PATAPSCO AVENUE
P. O. BOX 1616
BALTIMORE 3, MD.

CABLE ADDRESS
"FAIRKEMDIV"

TELEPHONE:
CURTIS 7-6400

July 31, 1956

Jan

Professor Giulio Natta
Politechnico Institute
Piazza Leonardo da Vinci 32
Milano, Italy

Dear Professor and Mrs. Natta:

You will find enclosed several photos taken during our recent tour of Niagara Falls. Admittedly, the photography is far from professional, but I thought that you might enjoy several of them at least.

I enjoyed very much traveling in your company. It was very interesting and entertaining.

I hope that you both experienced a very pleasant trip to Bermuda and Texas and also to your home in Italy.

Very truly yours,

Roger M. Nagel

Roger M. Nagel

RMN:mb

Enc.

*Wingman for
to photograph
the river down
a creek in
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937A
August 29, 1956

Am

Mr. Roger M. Nagel
Food Machinery and Chemical Corp.
Fairfield Chemical Division
1701 Patapsco Avenue
P. O. Box 1616
BALTIMORE 3, MD., U.S.A.

Dear Mr. Nagel,

Many thanks for your very kind letter of July 31
and for the photos taken during our tour of Niagara Falls.
Mrs. Natta and myself have appreciated very much your kindness
in sending them to us.

Hoping to have the opportunity to meet you again
in Italy or in the States, we send you our best regards.

Very sincerely yours,

Giulio Natta

2534#
July 27, 1956

Mr. Joseph R. Mares
PETRO TEX Chemical Corporation
P.O. Box 2584
HOUSTON 1 - Texas - U.S.A.

Dear Mr. Mares,

I wish to thank you and Mrs. Mares for all your kindness and for the lovely time we spent with you in Texas. Mrs. Natta and myself enjoyed very much to have made your acquaintance.

We are very grateful for the lovely present of the "horns" which will be very ornamental for our home.

I have been very interested in visiting your butadiene plant in Houston and to be informed about your possibility to dispose of great quantity of concentrated butene-1.

We do hope to have soon the pleasure to see you and Mrs. Mares in Italy. Our best regards to Mrs. Mares and you.

Very sincerely yours,

Giulio Natta

P.S. - As I do not remember the name and the address of the people of Goodyear which I met during my visit to the G.R.S. plant, please convey my best thank to them, or send to me their address.



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CHEMICAL DIVISIONS

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P. O. BOX 8
PRINCETON, N. J.

Vonnie Amer.

January 11, 1957

AIR MAIL

Professor Giulio Natta, Director
Istituto Di Chimica Industriale Del Politecnico
Piazza Leonardo Da Vinci, 32
Milano, Italy

Dear Professor Natta:

Thanks ever so much for your letter of December 19, 1956. I certainly enjoyed my stay with you and your family in Milano last November. Dorothy and David were very happy to get the first-hand report about my visit with you.

We have received from Montecatini the copies of the requested Italian patents for which you kindly made the necessary arrangements. Thank you very much.

I imagine that Montecatini is making excellent progress in the pilot plant work on polybutene. We certainly will be interested in the story when they are ready to discuss the matter. It is very interesting that the stability of polybutene appears to be higher than of polypropylene. Since polypropylene appears to be less stable to oxidation than polyethylene, how do you rate polybutene relative to polyethylene? I assume the stability you are referring to is oxidation stability under exposure to light? Does polybutene also require an oxidation inhibitor in your opinion?

Best regards from the Ott family to you and your family.

Sincerely yours,

Emil Ott,
Vice President

Eo/Mc