

280 A



POLYMER CORPORATION LIMITED - SARNIA, CANADA

Research and Development Division

February 9, 1956.

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

Dear Dr. Natta:

For some time we have had the pleasure of reading your interesting papers on the subject of polymers of regular structure. We were delighted to learn that you will probably be in New London, New Hampshire in July to speak on this subject before the Gordon Research Conference. I expect to be present and look forward to hearing your address.

However, it was felt that you might have the time to visit our Company and Research Laboratories during your trip to America. If this is possible we would be delighted to have you come and spend a day with us. On the assumption that you are travelling on private funds we would make a suitable contribution to your travelling expenses. The exact details could be arranged later.

No doubt your visit will be a very busy one but we hope that time will be available to come to Sarnia.

With best wishes.

Sincerely,

H. Leverne Williams  
 Assistant Manager, Research  
 and Development Division

:jh

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253A

March 3, 1956

Am

Prof. H. Leverne Williams  
Assistant Manager, Research  
and Development Division  
Polymer Corporation Limited  
S A R N I A - Canada

Dear Professor Williams,

Many thanks for your very kind letter of February 9,  
and please excuse my delay in answering.

I shall be very glad to visit your Company and Research  
Laboratories during my trip to America, but I do not know, till  
now, whether I shall have enough time to come to Sarnia. I thank  
you very deeply for your kind invitation and I shall write you  
again on this subject.

I read with great interest your papers on the alfinic  
polybutadiene, and I should appreciate very much if you send me  
other reprints on the same argument, as soon as they become avail-  
able.

With best wishes.

Very sincerely yours,

Giulio Natta

907H  
August 2, 1956  
Su

Mr. J. D. Barrington, President  
Polymer Corporation Limited  
SARNIA - Canada

Dear Mr. Barrington,

Please excuse my long delay in writing to you but my busy trip through the States did not permit me to do it before my coming back to Milan. I do wish to thank you very much for all the kindness I received during my visit to your very interesting Company.

I hope to have soon the pleasure to meet you again in Europe or in the States.

With my best personal regards, I remain,

Sincerely yours,

Giulio Natta

913A  
August 12, 1956  
Jim

Mr. H. Leverne Williams  
Assistant Manager, Research  
and Development Division  
Polymer Corporation Ltd.  
SARNIA - CANADA

Dear Mr. Williams,

I regret very much that my busy trip through the States did not permit me to write to you before my coming back to Milan. Mrs. Natta and myself wish to thank Mrs. Williams and you very much for all kindness we received during our trip to Sarnia. I enjoyed very much in visiting your Company and I was very interested in your work.

I thank also very much you for the copy of the Murray's and Legge's relation you kindly gave me.

Hoping to have an opportunity to see Mrs. Williams and you next year in Europe or in Canada, Mrs. Natta and myself send you both the best wishes.

Sincerely yours,

Giulio Natta



CABLE ADDRESS "POLYSAR"  
INDUSTRIALE DEL  
\* 24 SET 1956  
R 200

POLYMER CORPORATION LIMITED - SARNIA, CANADA

September 17, 1956

*copy by print*

Prof. G. Natta,  
Istituto di Chimica,  
Industriale del Polytecnico,  
Milano, Italy.

Dear Prof. Natta:

I expect to be visiting Europe during November, 1956, and would very much appreciate the chance of meeting you again and perhaps making the acquaintance of some of the staff of Montecatini.

If it meets with your approval, I would plan to arrive in Milan on the afternoon of Monday, November 19, and leave on Wednesday, November 21, for Strasbourg.

The purpose of my visit would be to learn from you any news available on the application of your discoveries to synthetic rubber manufacture and, if possible, to see your research laboratories. On this occasion I will not be in a position to present a scientific paper to your group, but I would of course, be pleased to partake in discussions with your staff in the field of synthetic rubber.

I trust that the remainder of your visit to North America was satisfactory and that you and Mrs. Natta had a pleasant journey back to Italy. I look forward to meeting you again and await your reply with interest.

Yours sincerely,

*E.J. Buckler*

E.J. BUCKLER,  
Manager, Research and  
Development Division.

EJB:AL  
Via Air Mail

September 25, 1956

200 A

Mr. E. J. BUCKLER, Manager  
Research and Development Division  
Polymer Corporation Limited  
S A R N I A - Canada

Dear Dr. Buckler,

I received your kind letter of September 17, and I am very sorry not to be able to meet you during your coming to Milan, as I shall have to go to Paris from November 18 to 24, to attend the XXIX Congress of Industrial Chemistry.

I might see you in Paris during such period, or in Milan before November 17 or after November 25, and I shall be glad to introduce you to the Managing staff of the Montecatini Company.

Mrs. Natta and myself remember with great pleasure all the kindnesses we received during our stay in Sarnia last June. Please convey our best regards and wishes to Mr. J. D. Barrington, Mr. H. Leverne Williams and to all the people we met during our pleasant visit to your Company.

Hoping to have soon the pleasure to meet you in Milan or in Paris, I send you my best wishes.

Sincerely yours,

Giulio Natta



POLYMER CORPORATION LIMITED - SARNIA, CANADA

October 1, 1956.

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

Dear Professor Natta:

I am extremely obliged to you for your letter of September 25 concerning the dates for my possible visit to Milano.

Subject to your approval, I would propose to fly from London to Milano on the afternoon of Wednesday, November 14 and to leave on the evening of Friday, November 16 or the morning of Saturday, November 17. I expect you will be quite busy just before leaving for Paris; accordingly I suggest you let me know in due course which particular times in the period from Wednesday evening to Saturday morning would be most convenient for me to see you. In the time left over I shall probably visit Pirelli. I expect to leave Sarnia approximately November 1.

Thank you for your very kind comments concerning your visit to Sarnia. We are very honoured to have received Mrs. Natta and yourself and hope that some day you will come again. I look forward with much pleasure to our next meeting.

Yours sincerely,

A handwritten signature in dark ink, which appears to read "E. J. Buckler". The signature is written in a cursive style with a long, sweeping underline.

E. J. BUCKLER,  
Manager, Research and  
Development Division.

EJB:gm

288

October 8, 1956

Mr. E. J. BUCKLER, Manager  
Research and Development Division  
Polymer Corporation Limited  
SARNIA - Canada

Dear Dr. Buckler,

I thank you for your kind letter of October 1, and I wish to inform you that I shall be very pleased to meet you during your stay in Milan. I think it will be more convenient for me to meet you on November 15, but I beg you to get in touch by telephone with me as soon as you arrive in Milan in the afternoon of November 14, so that we may arrange a definitive appointment for Thursday 15.

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

Very sincerely yours,

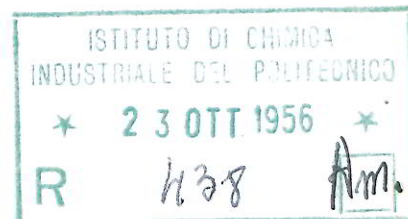
Giulio Natta





POLYMER CORPORATION LIMITED - SARNIA, CANADA

October 19, 1956.



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

Dear Professor Natta:

Thank you for your very kind letter of October 8. I now have a reservation at the Auriga Hotel in Milano.

Possibly you could leave a note at that hotel advising me of the most convenient time to visit you, in the event that I arrive too late on November 14 to telephone. I have written to Dr. di Nola suggesting that I visit him on Friday, November 16, but I am sure there will be no difficulty in changing that appointment if necessary.

I look forward with pleasure to visiting Italy and to meeting you again.

Yours sincerely,

A handwritten signature in cursive script that reads "E. J. Buckler".

E. J. BUCKLER,  
Manager, Research and  
Development Division.

EJB:gm

*Ricordarsi di giorno 13  
nervosa funzione!*

A simple, stylized handwritten flourish or signature mark consisting of a few curved lines.

438  
Am

13rd November 1956

Mr. E.J. BUCKLER  
c/o Auriga Hotel  
Via G.B. Pirelli, 7  
M i l a n o

Dear Mr. Buckler,

referring to your kind letter of October 19, I am glad to see you soon in Milan. As soon as you arrive in Milan you may telephone to my Institute (Tel. n. 292.125 and 292.126).

I inform you that I may see you at Polytechnic Institute, Institute of Industrial Chemistry, on Thursday, November 15, in the afternoon.

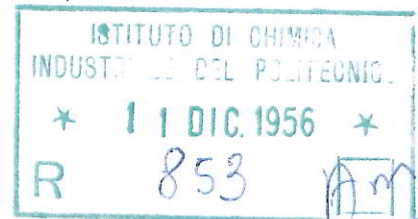
Awaiting your news, I remain,

Sincerely yours,

( Giulio Natta )



POLYMER CORPORATION LIMITED - SARNIA, CANADA



December 5, 1956.

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

Dear Professor Natta:

Yesterday I arrived back in Sarnia after a very interesting and profitable visit to Europe.

I remember particularly the visit I made to you in Milan and would like to thank you very much for your hospitality and consideration. I was most impressed with the advances you are making and in the calibre of the group that you have built up at the Institute.

We will write to you again early in 1957 and inquire on the progress being made in patenting and licensing of your work in the rubber field. In the meantime, may I extend our best wishes for Christmas and the New Year and express the hope that we may be meeting again in the not too distant future. Please give my regards to Mrs. Natta; I am most grateful to her for her expert assistance during my shopping expedition.

With best regards,

Yours sincerely,

A handwritten signature in dark ink, appearing to read "E. J. Buckler".

E. J. BUCKLER,  
Manager, Research and  
Development Division.

EJB:gm

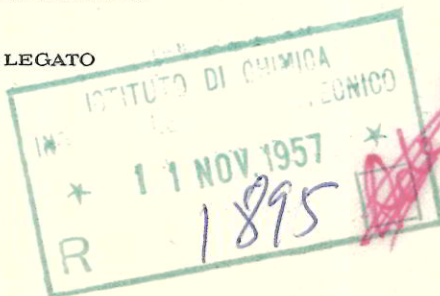
*Via*  
*W*      *Copied - Buckler*

"MONTECATINI"

SOCIETÀ GENERALE PER L'INDUSTRIA MINERARIA E CHIMICA

AMMINISTRATORE DELEGATO

G/si



Telegrammi GABBRO MILANO  
Telefono 6333  
Telefoni interurbani  
chiedere GABBRO MILANO  
SEDE MILANO  
Via F.Turati, 18

Milano, 10 Novembre 1957

Caro Natta,

Ritorno su quanto Ella mi ha scritto in data 18 Ottobre a proposito della Polysar.

Per l'impianto pilota, come Ella sa, ho già disposto.

Per l'invio dei campioni, torneremo sull'argomento alla prima occasione.

Cordiali saluti.

Egr. Sig. Prof. Giulio Natta  
MILANO

A large, stylized handwritten signature in blue ink, appearing to be "G. Natta".

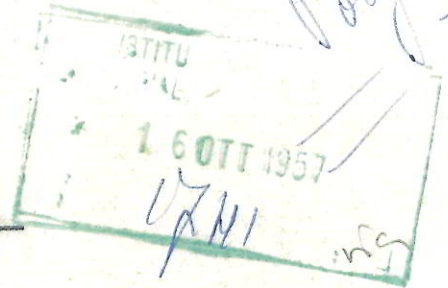
*big prof. elatta*

**MONTECATINI**  
SETTORE PROGETTI E STUDI

Milano, 15 Ottobre 1957.

**BREV.**

Licenza Elastomeri Poliolefinici a Polymer Ltd.,  
Sarnia, Canada.



Prego preparare bozza di contratto per la cessione della nostra licenza per la produzione di elastomeri e di polimeri e copolimeri olefinici atti ad essere impiegati in usi elastomerici.

La produzione prevista è di 25.000 + 30.000 t/a; gli impieghi per plastici e fibre non interessano.

Fondamentalmente, occorrerà prevedere un pagamento per la fornitura delle informazioni sulle caratteristiche della lavorazione, caratteristiche dei prodotti, economia della produzione, etc. per consentire a "Polymer" di decidere se procedere o no; e poi il pagamento di una royalty.

"Polymer" sta pensando di costruire un nuovo impianto di 40.000 t/a GR-S nello Stato di Alberta; ma desidera evitare di investire denaro in un prodotto superato.

"Polymer" esporta il 40% della sua produzione; chiede di poter esportare gli elastomeri licenziati in tutti quei Paesi nei quali vi fosse richiesta.

Unisco due appunti lasciati da Mr. Buckler, Manager, Research and Development.

f.to: Orsoni

All.  
Or/sl.

*W*

TELEGRAMMA

MOD. 30 (Ediz. 1957)

N. 56 di recapito. Rimesso al fattorino alle ore 10

ELT = DR G NATTA ISTITUTO DI  
CHIMICA INDUSTRIALE PIAZZA  
LEONARDIDA VINCI 32 MILANO

te al tempo medio  
il primo numero  
lo del telegramma,  
e l'ora e i minuti

Bollo  
5.00

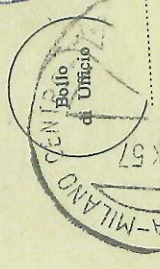
Indirizzo  
uffici d'ufficio

NTAZIONE  
De minut

Roma - Istituto Poligrafico dello Stato P.V.

EST

INDICAZIONE D'URTO	Per circuito I	DESTINAZIONE
LONDON		
Qualifica	22:32	



237/11 BIRMINGHAM 35

MEETING ARRANGED DR ORTONI 10 AM TUESDAY OCTOBER 15  
WOULD APPRECIATE MEETING YOU IF CONVENIENT TUESDAY AFTERNOON  
STAYING PRINCIPE E SAVOIA = BUCKLER +

*Polyfar*

Macchine per scrivere  
da ufficio e portatili  
Telescriventi

**OLIVETTI**

Calcolatori scriventi  
Macchine contabili  
Schedari e classificatori



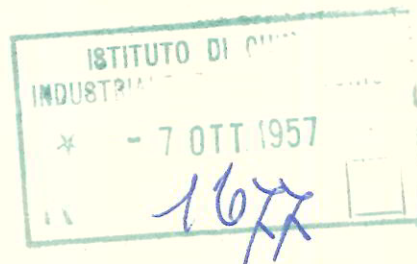
POLYSAR

POLYMER CORPORATION LIMITED - SARNIA, CANADA

c/o Polymer (United Kingdom) Limited,  
Walbrook House, Walbrook,  
London, E.C.4, England.

2nd October, 1957.

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



Dear Professor Natta,

I have had difficulties in making travel arrangements and cannot reach Milano on Wednesday, October 9th.

Dr. McLeod will arrive in Milano on the evening of Tuesday, 8th October, and will stay at the Hotel Principe e Savoia. He will visit your laboratories on the morning of Wednesday, October 9th.

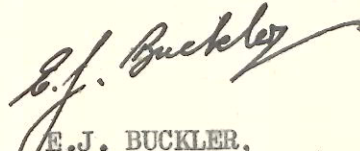
I would appreciate it if you could arrange for Dr McLeod to meet a representative from Montecatini during that day for a general discussion of the patent situation.

I am making travel arrangements to visit Milano on Tuesday, October 15th, and will stay at the Principe e Savoia. I would appreciate it if you could inform him whether that date is convenient for me to meet Montecatini and whether I should follow up his discussions. If it is not necessary I could, of course, cancel my arrangements.

Please accept my apologies for any inconvenience I may have caused you with these changes.

With best regards,

Yours sincerely,



E.J. BUCKLER,  
Manager, Research and  
Development Division.

EJB/ab

"MONTECATINI"

SOCIETA' GENERALE PER L'INDUSTRIA MINERARIA E CHIMICA

AMMINISTRATORE DELEGATO



Telegrammi GABBRO MILANO  
Telefono 6333  
Telefoni interurbani  
chiedere GABBRO MILANO  
SEDE MILANO  
Via F.Turati, 18

G/sb

Milano, 24 settembre 1957

Caro Natta,

Sua 23 settembre.

Si metta pure in contatto con l'Ing. Orsoni per il colloquio con il Sig. McLeod.

Cordiali saluti.

Egregio Signor  
Prof. GIULIO NATTA  
MILANO.

A large, stylized handwritten signature in blue ink, consisting of a tall loop and a horizontal line extending to the right.



23 Settembre 1957

Egr. Sig. Ing. Piero GIUSTINIANI  
Amministratore Delegato

Soc. "Montecatini"

S e d e

Caro Ingegnere,

con riferimento alla mia lettera dell'11 e.m., con la quale Le inviavo copia di una lettera da me scritta alla Soc. Polysar (Canada), Le trasmetto copia della risposta ricevuta.

La prego dirmi se Lei desidera che presenti il Buckler all'Ing. Orsoni o ad altri della Montecatini.

Cordiali saluti.

G.Natta

All. N. Natta 1603

Copy a

POLYMER CORPORATION LIMITED - SARNIA, CANADA

September 16, 1957

Professor Giulio Natta  
Istituto Chimica Industriale del Politecnico  
P.za L. da Vinci, 32 - Milano (Italy)

Dear Professor Natta :

We were pleased to learn from your letter dated September 11 that a visit to Montecatini would be appropriate in October. The arrangements we are making are as follows:

Dr.L.A.McLeod will arrive in Milan on the evening of Tuesday, October 8, and will stay at the Principe e Savoia. He would like to would appreciate if you could leave a message at the hotel to advise him what time in the morning would be suitable for him to visit you.

I will catch a plane leaving Paris at 10:00 a.m., on Wednesday, October 9, which arrives in Milan at noon. I will proceed to the Principe e Savoia. If possible, Dr. McLeod and I would like to meet with representatives of Montecatini during the afternoon. If that is not possible, I will be available during part of the morning of Thursday, October 10. I must catch a plane leaving Milan at 2:00 p.m. for London. Perhaps you could leave a message for me at the hotel in Milan advising me of the arrangements.

It will be a great pleasure to see you again

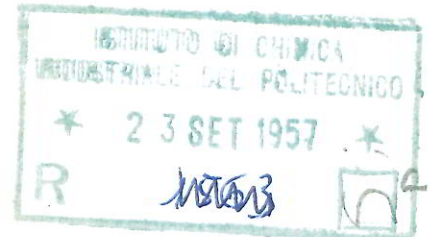
Yours sincerely

E.J. BUCKLER  
Manager, Research and  
Development Division

POLYSAR

POLYMER CORPORATION LIMITED - SARNIA, CANADA

September 16, 1957.



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

Dear Professor Natta:

We were pleased to learn from your letter dated September 11 that a visit to Montecatini would be appropriate in October. The arrangements we are making are as follows:

Dr. L. A. McLeod will arrive in Milan on the evening of Tuesday, October 8, and will stay at the Principe e Savoia. He would like to visit your laboratories during the morning of Wednesday, October 9. We would appreciate if you could leave a message at the hotel to advise him what time in the morning would be suitable for him to visit you.

I will catch a plane leaving Paris at 10:00 a.m., on Wednesday, October 9, which arrives in Milan at noon. I will proceed to the Principe e Savoia. If possible, Dr. McLeod and I would like to meet with representatives of Montecatini during the afternoon. If that is not possible, I will be available during part of the morning of Thursday, October 10. I must catch a plane leaving Milan at 2:00 p.m. for London. Perhaps you could leave a message for me at the hotel in Milan advising me of the arrangements.

It will be a great pleasure to see you again.

Yours sincerely,

*E. J. Buckler*  
E. J. BUCKLER,  
Manager, Research and  
Development Division.

EJB:gm

*inmate copy  
by first in line  
9/23/57  
reference reports*

*Revised  
message  
Holl*

*Am*

September 11, 1957

Mr. E. J. BUCKLER, Manager

Research and Development Division  
Polymer Corporation Ltd. POLYSAR

S A R N I A - Canada

Ref. to No. 1525/r1

Dear Mr. Buckler,

Coming back from my summer holidays, I found my letters of July 29, and September 4, 1957.

I shall be very pleased to meet you in Milan during next October. I have already informed Montecatini Co. about your interest in the new polymerisation fields for the Canada, and about your planned visit. Montecatini people will be glad to meet you in Milan for preliminary contacts.

The date which you have indicated is agreeable to us. We believe however that in case you are not able to come in this time, your visit can be postponed without any inconvenience.

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

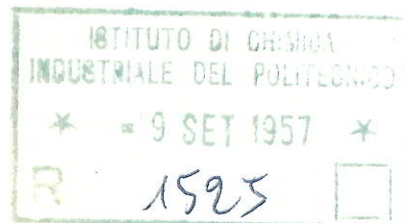
Sincerely yours,

Giulio Natta


 POLYSAR

## POLYMER CORPORATION LIMITED - SARNIA, CANADA

September 4, 1957.



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

Dear Professor Natta:

Your secretary informed me that my letter of July 29 arrived while you were away. This present letter therefore was written before I received your reply.

I will be visiting Europe in October and have appointments in Paris on Tuesday, October 8, and Birmingham, England, on October 11. My return to Canada is planned for October 13.

I would appreciate your advice as to whether the time would be appropriate for me to visit Montecatini to discuss the status of licensing arrangements in the rubber field. If so, I believe it would be possible for me to be in Italy on the afternoon of Wednesday, October 9, and perhaps the morning of Thursday, October 10. If this time is not convenient, an appointment early in the following week is possible but will require more time in Europe than I had originally planned. If such a visit to Montecatini would be useful, perhaps you could let me know to which city in Italy I should travel and to whom I should confirm my visit.

We would, of course, welcome a preliminary proposal from Montecatini by letter, if such is possible. Furthermore, if it would be better to postpone the discussion for some time, please do not hesitate to advise us accordingly, since a visit at a later date would always be possible.

Please convey my best regards to Mrs. Natta; I hope you both had an enjoyable vacation this year. I look forward to hearing from you and to the possibility of meeting with you again.

Yours sincerely,



E. J. BUCKLER,  
Manager, Research and  
Development Division.

EJB:gm

August 26th, 1957

Mr. E.J. BUCKLER  
Manager, Research and Develop-  
ment Division  
Polymer Corp. Ltd.  
SARNIA, Canada

Dear

Mr. Kuckler,

*of 29.7.57*  
your letter came during Prof. Natta's summer vacation. Prof. Natta will be here again at the beginning of September, and you should be so kind to wait for an answer after his return.

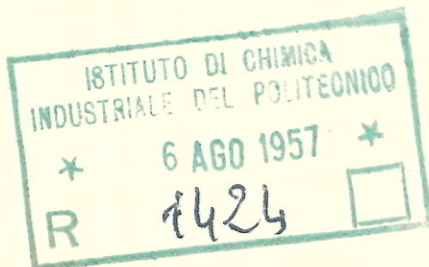
With best wishes,

L. Einaudi (secretary to Prof. Natta)

POLYSAR

POLYMER CORPORATION LIMITED - SARNIA, CANADA

July 29, 1957.



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

Dear Professor Natta:

Dr. Williams has advised us that Montecatini will be offering licenses in the rubber field in August 1957, and that one U.S. company is interested in rights for Canada and the United States.

Before any rights are granted for Canada, we would appreciate the opportunity of reviewing the terms of license with you. If possible, we would like to receive a letter outlining the nature of the licenses Montecatini proposes to offer and the conditions under which we might review the status of the technical developments.

Thank you for advising Dr. Williams of the situation. We look forward to hearing from you in due course.

With best regards.

Yours sincerely,



E. J. BUCKLER,  
Manager, Research and  
Development Division.

EJB:mw

Polysar

July 8, 1958

↓ L. Breitman Esq.,  
POLYSAR  
Polymer Corp.Ltd.  
Sarnia, Canada

Our ref.: 829/mb

Dear Mr. Breitman,

I have duly received your letter dated July 2nd.  
I foresee that during the few days of the Meeting held in Nottingham (from July 21st to 24th) I shall be very busy; nevertheless, I shall be glad to meet you every moment.

My best regards,

Yours sincerely,  
(Prof.G. Natta)



L. Breitman,  
POLYSAR

Dear Mr. Breitman;

ricevo la Vostra lettera del 2 luglio.

Prevedo che nei giorni ~~dal 21~~ del Congresso di Nottingham  
(dal 21 al 24 luglio) sarò molto occupato, ma comunque sarò lieto  
di incontrarLa in qualche momento.

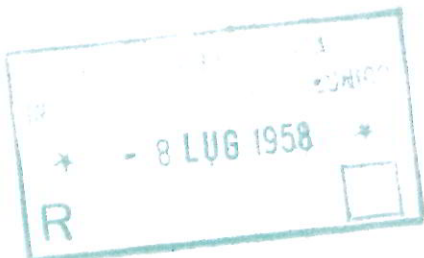
My best regards,

your sincerely



POLYSAR

POLYMER CORPORATION LIMITED - SARNIA, CANADA



July 2, 1958.

Prof. G. Natta,  
Istituto di Chimica Industriale del Polytecnico,  
Piazza Leonardo Da Vinci, 32,  
Milano, Italy.

Dear Prof. Natta:

Dr. E. J. Buckler informs me that you plan to attend the International High Polymer Conference at Nottingham, July 21 - 24, and suggests that this would present a good opportunity for us to discuss the current position in polymerization of olefins and dienes.

I will be in Nottingham on the three days of the Conference and will be able to arrange the meeting to suit your schedule. May I leave it that I will look you up as soon as I arrive in Nottingham?

I will look forward to the pleasure of meeting you.

Yours very truly,

*L. Breitman*

LB:am

L. Breitman,  
Group Leader,  
Emulsion Polymer Research Section,  
Research and Development Division.

**MONTECATINI**

Società Generale per l'Industria Mineraria e Chimica

AMMINISTRATORE DELEGATO

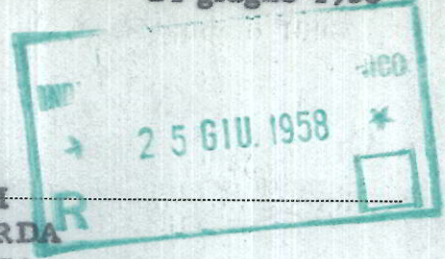
*Cartella  
Polyon*

Data, 24 giugno 1958

**PROMEMORIA**

**G/ra**

per il Signor ING. ORSONI  
ING. DE VARDA  
PROF. NATTA



**Per Vostra conoscenza Vi trasmetto, in allegato,  
copia dello scambio di corrispondenza intervenuto con il  
Sig. E. J. Buckler della Polymer Corp. di Sarnia.**

**Cordiali saluti.**

due allegati

G/ra/Al

Milan, June 24, 1958

Dear Mr. Buckler,

I received your letter of June 2nd last and note with satisfaction that both you and your collaborators are convinced of the interest that polybutadiene and ethylene-propylene copolymers may present with regard to their commercial valorization.

I note as well with pleasure that you are, in principle, agreeable to examine the possibility of an understanding between your Company and Montecatini.

From my part, I am now awaiting to receive your further precisions as to the date of our meeting.

With kind personal regards,

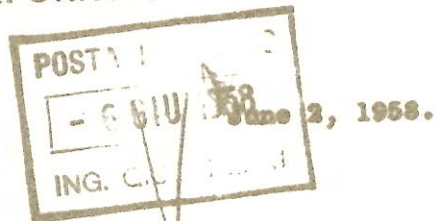
Yours sincerely,

(Ing. Piero Giustiniani)

Mr. E. J. BUCKLER  
Manager, Research  
and Development Division  
Polymer Corporation Limited  
S A R N I A, Canada.



POLYMER CORPORATION LIMITED - SARNIA, CANADA



Ing. Piero Giustiniani,  
 Amministratore Delegate,  
 Montecatini,  
 Via F. Turati, 18,  
 Milan, Italy.

Dear Dr. Giustiniani:


Reference is made to your letter dated May 17 in which you suggest discussions between Polymer and Montecatini concerning an agreement on the manufacture of polybutadiene and ethylene-propylene copolymers.

We are convinced, from the results we have obtained at Sarnia and from the general comments made by Professor Matta during his conversations with me, that polymers in both these classes may soon assume commercial importance. We appreciate your offer therefore, to discuss the general form of a license agreement between Montecatini and Polymer.

Business engagements for myself and other members of the senior staff would make it difficult for us to visit you in the next few weeks, but we would be very pleased to engage in discussions with you later in the summer. We will be in touch with you at a later date to make suitable arrangements.

In the meantime, we trust that the pilot plant program at Ferrara is progressing satisfactorily and that soon you will be able to make available samples of ethylene-propylene copolymers for laboratory evaluation.

Yours sincerely,

  
 E. J. BUCKLER,  
 Manager, Research and  
 Development Division.

EJB:gn

*Polypar (Sarnia)*

June 7, 1958

Ref. No. 683/r1

Mr. E. J. BUCKLER, Manager  
Research and Development Division  
Polymer Corporation Limited  
SARNIA , Canada

Dear Mr. Buckler,

many thanks for your kind letter of June 2, in which your enclosed copy of your reply to Dr. Giustiniani. From your letter I see that you would prefer to delay a visit until later in the summer.

I foresee to attend the International High Polymers Conference which will be held in Nottingham on July 21-27, 1958, and I think that will be a rather interesting Meeting. If you or other people from Sarnia will come to Nottingham, I shall be glad to see you or them there.

I shall take most probably my summer vacations during August, and therefore, if we do not meet in Nottingham, I shall be glad to see you in Italy immediately after my summer vacations. In such period I think that several technical data will be available on new rubbers, in particular on tyres made with copolymers.

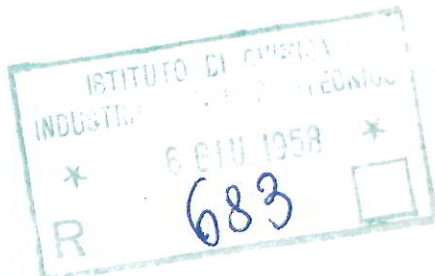
Mrs. Natta appreciated very much receiving the Mrs. Buckler's kind letter and will reply soon. With kindest regards to Mrs. Buckler and best wishes, I am,

Sincerely yours,

Giulio Natta



POLYMER CORPORATION LIMITED - SARNIA, CANADA



June 2, 1958.

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 you and Mrs. Natta again in Montreal and I trust that you both had a pleasant journey back to Italy from the United States.

I am most obliged to you for reporting our conversations to Dr. Giustiniani, Dr. Orsoni and Dr. DeVara. I have received a letter from Dr. Giustiniani suggesting that we meet in Milan to discuss the main points of an eventual agreement to manufacture your new products.

A copy of our reply is enclosed, which indicates that we would prefer to delay a visit until later in the summer, if this is not inconvenient. It is very gratifying to hear that your program at Ferrara is proceeding satisfactorily. I trust that it will not be too long before Montecatini are able to make technical disclosures to potential licensees.

I look forward to meeting you again in the not too distant future.

With best regards,

Sincerely yours,

A handwritten signature in cursive script, appearing to read "E. J. Buckler".

E. J. BUCKLER,  
Manager, Research and  
Development Division.

EJB:gm

June 2, 1958.

C Ing. Piero Giustiniani,  
Amministratore Delegato,  
Montecatini,  
Via F. Turati, 18,  
Milan, Italy.

Dear Dr. Giustiniani:

O Reference is made to your letter dated May 17 in which you suggest discussions between Polymer and Montecatini concerning an agreement on the manufacture of polybutadiene and ethylene-propylene copolymers.

P We are convinced, from the results we have obtained at Sarnia and from the general comments made by Professor Natta during his conversations with me, that polymers in both these classes may soon assume commercial importance. We appreciate your offer therefore, to discuss the general form of a license agreement between Montecatini and Polymer.

Y Business engagements for myself and other members of the senior staff would make it difficult for us to visit you in the next few weeks, but we would be very pleased to engage in discussions with you later in the summer. We will be in touch with you at a later date to make suitable arrangements.

In the meantime, we trust that the pilot plant program at Ferrara is progressing satisfactorily and that soon you will be able to make available samples of ethylene-propylene copolymers for laboratory evaluation.

Yours sincerely,

E. J. BUCKLER,  
Manager, Research and  
Development Division.

EJB:gm



*Reyson*

May 20, 1958

Mr. E. J. BUCKLER, Manager

Research and Development Division  
Polymer Corporation

SARNIA + Canada

Ref. No. 616/r1

Dear Mr. Buckler,

I have been back to Milan a fortnight ago, but I had to leave again Milan, almost immediately, to go to Ferrara, Rome and Terni, and I have been back just yesterday. I have not been able, therefore, to write before to you, as I wished.

First of all, I wish to thank deeply Mrs. Buckler and you for all the kindnesses extended to us during our short stay in Montreal; I regret to have had to leave Canada before the foreseen date.

Just on my arrival to Milan, I reported to Dr. Giustiniani, Dr. Orsoni and Dr. DeVarda our talk in Montreal, and I know that Dr. Giustiniani has written to you, some days ago, on this subject.

During my last visit to the Ferrara plant I saw the first results obtained in the practical use of copolymers for tires having the tread of  $C_2-C_3$  copolymers; these results seem to be good also from the view point of abrasion.

Hoping to have soon the pleasure to meeting you in Milan, I remain,

Sincerely yours,

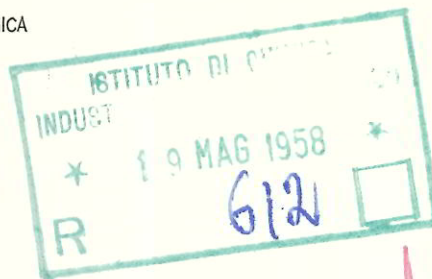
G. Natta

**"MONTECATINI"**

SOCIETÀ GENERALE PER L'INDUSTRIA MINERARIA E CHIMICA

AMMINISTRATORE DELEGATO

G/ra



Milano, 16.5.1958

Caro Natta,

Ecco ~~Le~~ la copia della lettera che  
ho scritto oggi a Mr. BUCKLER della Polysar.

Cordiali saluti.

alleg/

Preg.mo Signor  
Prof. GIULIO NATTA  
MILANO

*Handwritten signatures:*  
A red signature, possibly 'J. Natta', is written above the main text.  
A blue signature is written below the main text.

G/ra/Al

Milan, May 17, 1958

Dear Mr. Buckler,

Prof. Natta has reported to me the talk he had with you and your collaborator, Mr. L.D. Dougan, at Montreal with respect to polybutadiene and ethylene-propylene copolymers.

I have also seen the report of the talk you kindly sent to Prof. Natta.

I consider that the best way to reach a positive solution is to have together a discussion about the main points of an eventual agreement meant to allow your Company to manufacture and sell the products in question.

Such examination could, obviously, be made more efficaciously during a meeting to be held, if possible, here in Milan.

I do not know whether you or one of your collaborators, entrusted with the necessary powers to conclude negotiations, can come in the fairly near future to Italy. If so, I would ask you to propose to me a date convenient to you in order that I may arrange to be present in Milan along with my collaborators.

While awaiting your kind reply, I beg you to accept my best personal regards.

Yours sincerely,

(Ing. Piero Giustiniani)

Mr. E. J. Buckler  
Manager Research and Development Division  
Polymer Corporation  
SARNIA (Canada)

**POLYSAR** *Am.*

POLYMER CORPORATION LIMITED - SARNIA, CANADA

*Copy for  
Prof. Natta*

April 25, 1958.

Dr. M. L. Ottolenghi,  
Vice President,  
Chemore Corporation,  
21 West Street,  
New York 6, N.Y.

Dear Dr. Ottolenghi:

It was a great pleasure for Mr. Dougan and me to meet you and Professor Natta in Montreal and I would like to thank you for a very interesting discussion.

I have made a brief summary of our discussion for our files and enclose a copy for your records. As indicated in the report, we will look forward to hearing from Montecatini as soon as the time is suitable for discussion of licensing.

Yours sincerely,

E. J. BUCKLER,  
Manager, Research and  
Development Division.

EJB:gn

Polymer Corporation Limited  
Research and Development Division

DISCUSSION WITH PROFESSOR NATTA  
Montreal, April 22, 1958

Present: Professor G. Natta	Milano
Dr. M. L. Ottolenghi	Chemore Corporation, New York
Mr. L. D. Dougan	Sarnia
Dr. E. J. Buckler	Sarnia

The physical properties of cured stocks of ethylene-propylene copolymers and 97% cis 1:4 polybutadiene were briefly reviewed. It is understood that the pilot plant is almost ready to operate and that ethylene-propylene copolymers will be produced first. Licenses will not be offered until a potentially economic process has been demonstrated.

It is understood that Montecatini will specify a lump sum payment for an option, and a royalty arrangement for manufacture and sale. Polymer representatives pointed out that Polymer's market was principally in the export field and that the right to sell in Europe was important if satisfactory volume sales were to be secured.

There was some discussion of the minimum information necessary to permit a company to determine whether justification existed for taking an option. It was suggested that such information should, if possible, include typical laboratory data for stress-strain curves, effect of temperature on resilience, permanent set, abrasion measurements, indication of resistance to aging and low temperature properties such as brittle point. In addition an estimate would be required of the potential cost of converting the monomers into finished copolymer on a large scale.

Polymer Corporation is seriously interested in the ethylene-propylene copolymer field and would appreciate advice from Montecatini as soon as discussions could be held of licensing terms.

EJB:ga  
April 25, 1958.

E. J. BUCKLER

NS, INC.

RCA COMMUNICATIONS, INC.

FORM 510110

2612NY CHEMORE

HERE RCA TEX CALL'''

RM082 YY000 03 19 20 30

TELEX N. 17

2612 N.Y. CHEMORE

DA MILANO 3/4/58 11.00 BA

PROF. NATTA STOP MR DOUGAN VICEPRESIDENT POLYMER SARNIA PROPONESI  
INCONTRARLA MONTREAL STOP PREGHIAMO LIMITARSI BREVE SCAMBIO CORTESIE  
PERCHE ABBIAMO INFORMATO SARNIA OPPORTUNITA EVENTUALI DISCUSSIONI  
ABBIANO LUOGO MILANO DOPO DILEI RITORNO.

ORSONI

RCA COMMUNICATIONS, INC.

CATIONS, INC.


 POLYSAR

## POLYMER CORPORATION LIMITED - SARNIA, CANADA

Ref. N.366/el.

March 20, 1958



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

Dear Professor Natta:

Thank you very much for your letter advising us of the program you have planned for your visit to North America. I can fully appreciate the difficulty of fitting in additional appointments. In view of the limited amount of time you will be in Canada and the distances involved between Montreal and Sarnia, I believe it would be better if we met in Montreal.

Accordingly, Mr. Dougan, Vice President of Manufacturing, and I will arrange to be in Montreal during the period of your visit there, and will be registered at the Ritz Carlton Hotel. Perhaps you could let me know where I might get in touch with you in Montreal and, if possible, when might be the most convenient time for us to meet with you.

We were very interested to learn of the progress you have made in the synthetic rubber field and of the program at Ferrara. We would like to discuss these items further with you in Montreal, as far as you are free to do so at the time.

I have written to Dr. Orsoni, indicating our continuing interest in reviewing the terms of license and the technical aspects of this field as soon as possible. We look forward with much pleasure to meeting you again, and hope that you will have a very pleasant and interesting visit to North America.

With best regards,

Yours sincerely,



E. J. BUCKLER,  
 Manager, Research and  
 Development Division.

EJB:gm

*Meeting ACS  
in U.S.*

March 12, 1958

Mr. E.J. BUCKLER, Manager  
Research and Development Division  
Polymer Corp. Ltd.

SARNIA - Canada

Ref.N.366/el

Dear Mr. Buckler,

many thanks for you kind letter of March 3, and for your very kind invitation to visit your Company, that I will accept with pleasure if I may find the necessary time. My travel schedule is very tight and therefore I shall remain very short time in Canada. I shall be in Montreal from April 20 till 23 and I shall have to be in New York on April 24 in the afternoon. As I must give a lecture during the U.S. Canada Chemical Engineering Conference in Montreal, I do not know if I shall be able to come to Sarnia from Montreal, and to arrive in the afternoon of April 24 to New York. In any way, I do hope to have the opportunity to meet you in Montreal or in New York.

During the lecture that I shall give in California and in New York, most probably I do not refer anything about synthetic rubbers, although important progresses have been gained recently, not only in the field of copolymers, but also in the one of production of highly pure 1-4 cis/polybutadiene. The pilot plant of Montecatini for copolymers, in Ferrara, will shortly start, by employing news processes, very simple from a technological point of view, which should give a very cheap copolymer. We may dispose shortly therefore of quantities of copolymers that allow us to <sup>letter</sup> evaluate the properties of new products, that I believe to be very interesting.

I think therefore, that within two or three months, your Company will probably receive news concerning licensing for ethylene-propylene rubbers, directly from Montecatini.

Hoping to have the pleasure to meeting you during my trip through the States, I send you may best regards.

Sincerely yours,

G.Natta





POLYSAR

POLYMER CORPORATION LIMITED - SARNIA, CANADA

March 3, 1958.



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


Dear Professor Natta:

We note with much pleasure that you will be visiting North America during the latter part of April. Representatives from Polymer will be attending the meetings in Montreal and New York to hear your lectures.

We have not yet heard from Montecatini on the terms of licensing for ethylene-propylene rubbers and would be interested in discussing the matter further with you. We would be very pleased if you could visit Polymer during your trip. If that is not possible, perhaps you could let me know a suitable time and place where I could meet with you again for further discussions.

With best regards,

Yours sincerely,



E. J. BUCKLER,  
Manager, Research and  
Development Division.

EJB:gm



POLYSAR

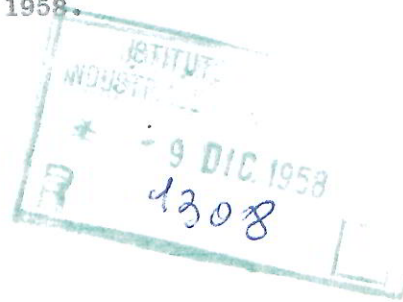
*Cuckler  
Polysar*

POLYMER CORPORATION LIMITED - SARNIA, CANADA

November 28, 1958.

*rispondere*

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



Dear Professor Natta:

I have just returned from my trip to Europe and would like to take this opportunity of saying how very much I enjoyed meeting you and Mrs. Natta again in Milano.

I believe that, with your assistance, Mr. Dougan and I had a very constructive discussion with the representatives of Montecatini. We shall now look forward to making an effort to work out a suitable technical agreement with Montecatini in the field of synthetic rubbers.

I was sorry that I was not back in Sarnia at the time we were visited by Dr. Orsoni, because I would like to have had the opportunity to show him more of our research and pilot plant facilities. However, I hope that he had a satisfactory visit to Sarnia and elsewhere in North America.

My wife was particularly interested in the wonderful dinner that we had in your apartment. She will, no doubt, be writing to Mrs. Natta at Christmas time, but in the meantime, sends her very best regards.

May I offer you our best wishes for continued success in your research program and thank you again for a very delightful meeting in Milano.

Yours sincerely,

*E. J. Buckler*  
E. J. BUCKLER,  
Manager, Research and  
Development Division.

EJB:gm

December 12, 1958

/mb

Mr. L. Breitman,  
POLYSAR  
Polymer Corp. Ltd.,  
Sarnia (Canada)

Dear Mr. Breitman,

I am most grateful for the note on the distribution of the monomeric units in ethylene-propylene copolymers, you were so kind to send me.

From your note it would result that, for the case  $r_1 = r_2 = 1$ , there should exist distributions somewhat different from the ones corresponding to the case:  $r_1$  and  $r_2 \neq 1$ , whereas the product  $r_1 \times r_2 = 1$ .

Such a finding is most likely based only on the numerical calculation of the monomeric units distribution for  $r_1 = r_2 = 1$  and respectively  $r_1 = 30$ ,  $r_2 = 0,3$ .

We want, however, to draw your attention to the fact that, most probably due to an oversight, the product  $30 \times 0,3$  was considered nearly equal to 1, whereas is equal to 9.

Should one effect the calculation of the monomeric units distribution, assuming  $r_1 = 30$  and  $r_2 = 0,03$  (product  $r_1 \times r_2 = 0,9$ ), a distribution would be found which is practically equal to the one corresponding to  $r_1 = r_2 = 1$ .

Also without having recourse to such a numerical verification, it may be easily noticed that the distributions for  $r_1 = r_2 = 1$  and  $r_1 \neq 1$ ,  $r_2 \neq 1$ , but  $r_1 r_2 = 1$ , result to be equal also on the basis of the equations recorded on pages 4 and 5 of the above Note.

I think you might be interested in receiving some of our most recent reprints concerning the ethylene-propylene copolymerization field. *They will be sent under separate cover -*

My best regards,

Yours very truly,  
( Prof. G. Natta )

223 - 224 - 230 - 278

~~En~~

# Polymer Sarvia

Buckler chiodi:

per volume:

5 pounds

15 "

1000 "

per volume Danbury

per pneumatici .

the Method vulcanizzazione (<sup>compressione</sup> weight reduction)

---

Poli-butadiene

idem

---

1) Marsia senza solventi.

Cost.  $VC_3$ . rapporti migliore =

Filtrazione a ciclo. (trazioni!)

2) Marsia con solventi. (propene?)

Procedimenti:

Laboratorio:                      2 20 l.                      6 5 l.                      autolevi  
già ordinati

ciclo propene,                      manca                       $18 \cdot 10^6$

centrifugazione                      manca

filtrazione                      solo in parte.

triple estrazione

Autoleggiare Ferroni ad ordinare solo ad una certa somma! ( $50 \cdot 10^6$ )  
max. in 6 mesi.

Ferroni può battere solo una strada: (non più strade).



*Polysar*

POLYMER CORPORATION LIMITED - SARNIA, CANADA  
RESEARCH AND DEVELOPMENT DIVISION

October 27th, 1958

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

Dear Sir:

Thank you very much for the copies of the reprints  
which you were kind enough to send us upon our request of  
September 12th.

Yours very truly,

A handwritten signature in dark ink, appearing to read "R. J. Orr".

R. J. ORR,  
Group Leader,  
Technical Information Section.

/it

A handwritten mark or signature in dark ink, possibly a stylized "M" or "W".



POLYSAR

POLYMER CORPORATION LIMITED - SARNIA, CANADA

October 20, 1958.



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

Dear Professor Natta:

An appointment has been arranged for the morning of Wednesday, October 29, between Dr. De Varda and Dr. Giustiniani of Montecatini, and Mr. L. D. Dougan, Vice President - Operations, and myself, of Polymer. On Friday, October 31, we shall visit the A.N.I.C. plant at Ravenna. Since we shall be travelling out of Milano, we were wondering whether it would be possible for us to visit your Pilot Plant at Ravenna on Thursday.

The principal purpose of my letter is to inquire if Mr. Dougan and I could have the pleasure of your company and that of Mrs. Natta for dinner in Milano on the evening of Wednesday, October 29. If this time is inconvenient for you, perhaps you would consider the evening of Tuesday, October 28, since I shall arrive in Milano from New York on that afternoon and stay at the Hotel Excelsior Gallia.

My wife is, of course, disappointed she is not coming with me but she sends her best regards to Mrs. Natta. I look forward to the possibility of seeing you again.

Yours sincerely,



E. J. BUCKLER,  
Manager, Research and  
Development Division.

EJB:gm

*Polymer*

September 17, 1958

E. J. Buckler  
Polymer Corp. Ltd.  
Sarnia - Ontario  
(Canada)

941/mb

Dear Mr. Buckler,

I have duly received the copy of your letter of August 19 addressed to Ing. B. Orsoni of Montecatini.

Please excuse my long delay in writing due to my being out Milan to spend the last days of vacations. Presently, I shall stay at the Institute and I look forward the pleasure of meeting you and Mr. L.D. Dougan in Milan at the end of October.

In the meantime I send you my best regards.

Yours sincerely,  
Prof. G. Natta



ISTITUTO N  
INDUST  
\* 26 AGO 1958  
R 941

August 19, 1958.

**C** Dr. Ing. Bartolomeo Orsoni,  
Direttore Centrale Tecnico Della Societa Montecatini,  
Milano-Via F. Turati. 18,  
Italy.

Dear Dr. Orsoni:

**O** We were pleased to learn from Professor Natta during his recent visit to Nottingham that steady progress is being made by Montecatini in ethylene-propylene and cis-polybutadiene rubbers. Our own studies confirm that these polymers show greatest promise of achieving commercial importance as synthetic rubbers.

**P** We are particularly interested in your opinion on the patent position, and in examining with you the terms of licenses you are prepared to offer. If the time is appropriate, we would also like to review your evaluation of these polymers in the vulcanized form, and, if possible, to receive samples for evaluation.

**Y** We would like to propose that Mr. L. D. Dougan, Vice President, Manufacturing, and I should travel from Detroit on October 28 via London arriving in Milano on October 29, and visit you on Thursday, October 30, 1958.

We would appreciate your advice as to whether the proposed visit is at a convenient time for you and will avoid making other appointments until we hear from you.

Yours sincerely,

*E. J. B.*  
E. J. BUCKLER,  
Manager, Research and  
Development Division.

EJB:gm

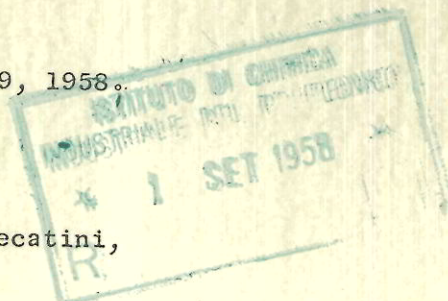
c.c. Dr. G. Natta

*can Verde*  
*(W) Concludere*  
*le attività rapporti and*  
*anch'ora differenziazione*  
*de Orsoni*

POLYSAR

POLYMER CORPORATION LIMITED - SARNIA, CANADA

August 19, 1958.



Dr. Ing. Bartolomeo Orsoni,  
 Direttore Centrale Tecnico Della Societa Montecatini,  
 Milano-Via F. Turati. 18,  
 Italy.

Dear Dr. Orsoni:

We were pleased to learn from Professor Natta during his recent visit to Nottingham that steady progress is being made by Montecatini in ethylene-propylene and cis-polybutadiene rubbers. Our own studies confirm that these polymers show greatest promise of achieving commercial importance as synthetic rubbers.

We are particularly interested in your opinion on the patent position, and in examining with you the terms of licenses you are prepared to offer. If the time is appropriate, we would also like to review your evaluation of these polymers in the vulcanized form, and, if possible, to receive samples for evaluation.

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We would appreciate your advice as to whether the proposed visit is at a convenient time for you and will avoid making other appointments until we hear from you.

Yours sincerely,

E. J. BUCKLER,  
 Manager, Research and  
 Development Division.

EJB:gm

c.c. Dr. G. Natta

*Non ho tempo  
 per altre cose  
 a parte di  
 che di  
 di Natta -  
 RL*

POLYSAR

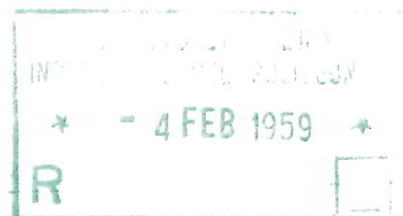
Castello  
Polymer

POLYMER CORPORATION LIMITED - SARNIA, CANADA

RESEARCH AND DEVELOPMENT DIVISION

January 28th, 1959

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



Dear Sir,

I would greatly appreciate receiving copies of the following reprints of your papers:

261 (1) Atti Accad. naz. Lincei, Rend. Classe Sci. fis. mat. nat.  
24, 479-487 (1958) - Radiochemical determination of the number  
of active centres in stereospecific catalysts.

266-267 (2) Chimica e Industria, 40, 628-633 (1958)  
280-281-312 Stereopolymerization of styrene. III.

284 (3) Chimica e Industria, 40, 556-560 (1958)  
Kinetics of polymerization of C<sub>3</sub>. VI.

242 (4) J. Inorg. Nuclear Chem., 8, 612-619 (1958)  
Crystalline complexes containing titanium  
and aluminum, catalytically active in the  
polymerization of ethylene.

243 (5) J. Inorg. Nuclear Chem., 8, 589-611 (1958)  
Stereospecific polymerizations by means of  
coordinated anionic catalysis.

Yours very truly,

/it

*R. J. Orr*  
R. J. Orr,  
Group Leader,  
Technical Information Section.

*Miss Natta*  
*20*  
*2/2/59*

Castella  
Polysar

May 27, 1959

H. Leverne Williams, Manager  
Research & Development Project  
Polymer Corporation Ltd.  
Sarnia (Canada)

our ref. 650/1v

Dear Dr. Williams,

I received your kind letter of May 20.

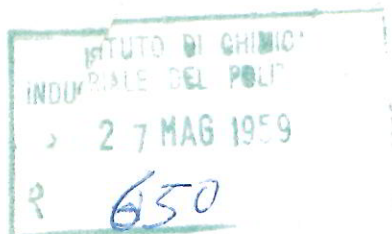
I shall be very glad to meet you during your stay in Europe. We shall meet in Wiesbaden and in Milan, after the above-mentioned conference.

We are making good progresses in our works; we hope that the patent situation which is rather complicated in America, will become clearer in a short time.

I shall be very glad to discuss various items of mutual interest when you come to Milan.

With my best regards.

G. Natta



POLYMER CORPORATION LIMITED - SARNIA, CANADA

May 20, 1959

Dr. G. Natta,  
Istituto Politecnico,  
Milano, Italy.

Dear Dr. Natta:

It was always with regret that I recall that my heavy timetable two years ago did not permit me to visit you in Milan. I am now planning a trip for this October and if at all possible I would like to visit you October 23rd. I shall be spending the early part of that week at Dusseldorf at the various plastics meetings. No doubt you will be there but if not we shall meet the preceding week at the Wiesbaden Conference.

Our work is making very good progress along several lines. We note from your publications that you are also making excellent progress and I look forward to the opportunity of discussing items of mutual interest with you.

With best wishes from Mrs. Williams and myself to Mrs. Natta and yourself and best wishes for your continued success.

Yours sincerely,

POLYMER CORPORATION LIMITED

H. Leverne Williams  
Manager, Research &  
Development Projects

HLW:AL  
Via Air Mail

Antella Polysar

May 14, 1959

G. Redlich, Manager,  
Economics and Yield Dept.  
Polymer Co. Ltd.  
Sarnia, Canada

our ref. 595/lv

Dear Mr. Redlich,

thank you very much for your letter of May 6,  
1959, and for the annual report you kindly sent me.

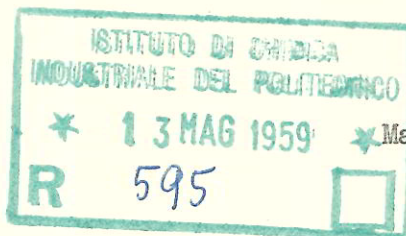
I was very pleased to meet you in Milan and  
I hope to see you again.

With my best regards,

G. Natta


 POLYSAR

POLYMER CORPORATION LIMITED - SARNIA, CANADA



\* May 6, 1959.

AIR MAIL

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

Dear Professor Natta:

I have just returned to Sarnia from Europe and would now like to thank you and Dr. Crespi for the interview you accorded me on April 25th in Milan. I appreciated very much the opportunity to learn from you at first hand about some of the important developments which are taking place in the field of ethylene-propylene copolymers and polybutadiene.

I am enclosing a copy of our annual report which will bring you up-to-date about our operation in Sarnia, and give you some details on our research efforts.

Dr. Buckler has asked me to give you his best regards.

Yours sincerely,



G. Redlich, Manager,  
 Economics and Yield Department.

GR:dh  
 Encl.

*20000 per l'anno  
 del rapporto*

May 6, 1959.

C  
O  
P  
Y  
  
AIR MAIL

Dr. Ing. Piero Giustiniani,  
Amministratore Delegato,  
Montecatini,  
Via F. Turati 18,  
MILANO, Italy.

Dear Dr. Giustiniani:

I have just returned to Sarnia from Europe and would now like to thank you for the interesting meeting which you arranged for me in Milan on April 25th. I am very grateful to you, Dr. De Varda and Dr. Orsoni for the generous amount of time which you all devoted to a general review of the situation and the discussion of our interest in a license.

It was very kind of Professor Natta and Dr. Crespi to see me on April 25th, and to discuss with me the important developments in the polybutadiene and ethylene-propylene co-polymer field. It was a great experience to hear from Professor Natta personally about the important progress which has been made.

In the afternoon I visited the Montecatini exhibit at the Milan Fair. I was greatly impressed, and I would like to congratulate you on this excellent presentation of the accomplishments of Montecatini.

Our 1958 annual report was published during my trip, and I am enclosing a copy which may be of interest to you.

Dr. Buckler has asked me to give you his best regards.

Yours sincerely,

*G. Redlich*

G. Redlich, Manager,  
Economics and Yield Department.

GR:dh



*Castella  
Polysar*



POLYMER CORPORATION LIMITED - SARNIA, CANADA

May 7, 1959.

Professor G. Natta,  
Mario Pagano 54,  
Milano, Italy.

Dear Professor Natta:

Thank you very much for the last set of reprints that you forwarded to me. As you know we are trying to obtain a complete file on all of your polymerization and compounding studies. Just when I think that our file is complete another four or five papers are "discovered" that have previously not come to my attention.

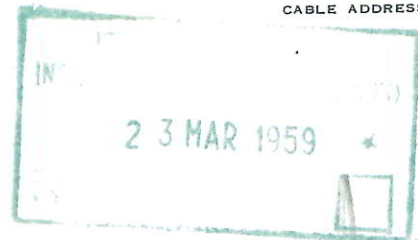
Again, my thanks for your continuing kindness in locating and sending us copies of your reprints.

Yours very truly,

*W. G. Forbes.*

WGF:am

W. G. Forbes,  
Research Chemist,  
Research and Development Division.



POLYMER CORPORATION LIMITED - SARNIA, CANADA

RESEARCH AND DEVELOPMENT DIVISION  
Literature Research Project

March 17th, 1959

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

Dear Sir,

Thank you very much for the nine reprints which you  
were kind enough to send us upon our request of January 28th.

/it

Yours very truly,

A handwritten signature in dark ink, appearing to read "R. J. Orr".

R. J. Orr,  
Supervisor,  
Literature Research Project.

A small, handwritten mark or signature in dark ink, possibly a stylized "N" or similar character.

September 14th 1959

Dr. W.G. Forbes  
POLYMER CO. LTD.,  
Sarnia, Ontario  
Canada

Dear Sir,

We acknowledge receipt of your request of one reprint of our paper entitled: "The structure of crystalline 1,2 polybutadiene and of other syndiotactic polymers - J.Poly.Sci., 20 251 (1959).

We are sorry to inform you that we have run short of copies.

Truly yours

The Secretary

Castelle  
Polysar

Sept. 4. 1959

Dr. H. Leverne Williams  
Polymer Co. Ltd.  
Polysar  
Sarnia, Canada

our ref. 948/1v

Dear Dr. Williams,

from your kind letter of August 26,  
I learn with pleasure that you will attend to  
the Wiesbaden Conference where I shall be very  
glad to meet you. Also my wife will come to  
Wiesbaden with me.

As regards your visit to my Institute  
on Oct. 26, I am not sure to be in Milan at the  
time: considering my previous engagements I should  
not be in Milan, anyway I shall do my best to wel-  
come you here.

In any case you can meet some co-workers of mine:  
either Dr. Crespi or Dr. Porri who are both working  
in the field of the new rubber.

Mrs. Natta and I send you and Mrs. Williams  
our kindest regards.

G. Natta



POLYSAR

948

POLYMER CORPORATION LIMITED - SARNIA, CANADA

August 26, 1959

Professor G. Natta,  
Istituto Politecnico,  
Milano, Italy.

Dear Professor Natta:

Early this year I wrote to you regarding the possibility of visiting you in Milan in the Fall. You were kind enough in your letter of May 27th to agree to a visit. I am now sending more details of my itinerary.

I shall be at the Wiesbaden Conference and will plan to discuss my visit with you. I shall be in Milan, October 26th rather than the 23rd. I hope that this change in date will not be inconvenient but I find that I must be elsewhere the preceding week. I shall be staying at the Principia Savoia Hotel. We can arrange other details later.

With best regards from all of us here to yourself and to Mrs. Natta.

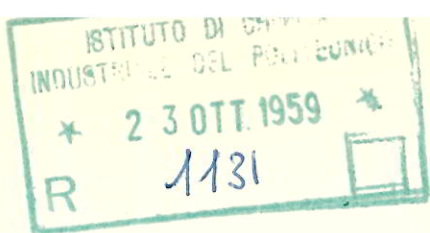
Yours sincerely,

POLYMER CORPORATION LIMITED

*H. Leverne Williams*  
H. Leverne Williams  
Manager, Research &  
Development Projects

HLW:AL  
Via Air Mail

Cartella  
Polysar



Handelshof Hotel  
Essen, Germany  
OCT-18, 1959

Dear Professor Rotta:-

I regret that I did not meet you in Wiesbaden.  
I am still planning to visit your Laboratory to talk  
to you if you can be available:

Monday OCT 26.

I shall be staying at the Principe e Savoia  
Hotel and perhaps you could leave a message  
there letting me know when you and your  
colleagues (also <sup>from</sup> Montecatini) would be available.  
I am looking forward to my visit.

With very best wish.

Yours sincerely

Heaven Williams

Sarnia, Canada

in mail

Imp. 10,30 II

frans

ev. tando

16 → poi

el. Orsini

Mossanti

*Polymer*

Nov. 20, 1959

Dr. H. Leverne Williams,  
Manager, Research &  
Development Projects,  
Polymer Co. Ltd.,  
Sarnia - Canada

our ref. 1176/lv

Dear Dr. Williams,

this morning, arriving in Milan after my long staying abroad, I found your kind letter of November 10.

Mrs. Natta and I wish to express our regret not to have been able to meet you and Mrs. Williams during your visit to Italy. I hope, anyway, that you will find another opportunity of coming to Europe and of visiting us.

I am glad you appreciated my lecture in Wiesbaden: as you wish to read it carefully, I inform you that it will be published in "Makromolekulare Chemie", and that I shall send you a reprint of it as soon as available.

Best regards from Mrs. Natta and myself to you and to Mrs. Williams.

Sincerely Yours,

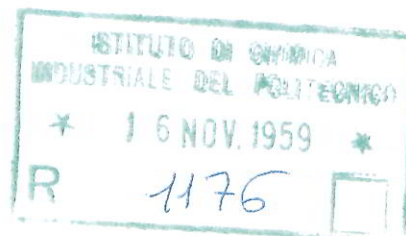
G. Natta



POLYMER CORPORATION LIMITED - SARNIA, CANADA

November 10, 1959

Professor G. Natta,  
Istituto Politecnico di Milano,  
Milano, Italy.



Dear Professor Natta:

I was very sorry to miss you during my recent visit to Italy. I hope that you are well and back in Milan regularly now.

In your absence I was given a most interesting tour of your laboratories by Professor Mazzanti and Professor Crespi. I appreciated greatly the time and effort they expended on my behalf and I hope that you will thank them for me.

I was much impressed with your laboratories. They were spacious and neat, well equipped and well kept. I am certain that this reflects in the volume and quality of the works produced.

I heard your excellent paper in Wiesbaden and look forward to studying it in more detail when it is published. Professor Mazzanti kindly gave me some reprints of your papers on ethylene-propylene copolymers.

Perhaps we shall meet again soon. In the meantime, very best wishes from Mrs. Williams and myself to you and to Mrs. Natta.

Yours sincerely,

POLYMER CORPORATION LIMITED

A handwritten signature in cursive script, appearing to read "H. Leverne Williams".

H. Leverne Williams  
Manager, Research &  
Development Projects

HLW:AL  
Via Air Mail



*Artella  
Polysar*

June 10, 1960

Dr. E. J. Buckler, Manager  
Research and Development Div.  
Polymer Co. Ltd.  
Sarnia - Ontario  
Canada

our ref. 628/lv

Dear Doctor Buckler:

My co-worker of mine, Dr. Crespi will come to America in connection with the Gordon Conference. He would very much appreciate an opportunity to visit you and the Polymer Co. Laboratories in Sarnia.

Owing to the fact that Dr. Crespi is leaving Italy very soon, I beg you to answer him to the following address:

Dr. G. Crespi,  
c/o Dr. Loris Luciano,  
Chemore Corporation,  
Two Broadway,  
New York 4, N.Y. (USA)

Thanking you in advance, I send you my kindest regards.

Sincerely yours,

G. Natta

*Castello  
Polymer*

19.1.1961

GN/r1

Egr. Ing. G. deVarde  
Ufficio Brevetti  
Società Montecatini  
Sede

c.p.c. Ing. B. Orsoni - New York e Sede  
Ing. G. Ballabio - Sede

Ricevo la Sua lettera del 12 u.s. relativa alle iniziative in Francia della Polymer Corporation Sarnia.

Desidero informarla che il comportamento della Sarnia rispetto alla Montecatini è sempre stato sino ad ora, per quanto ne sappiamo, corretto. Alcuni tecnici della Sarnia, ad esempio Mr. Buckler e Mr. Williams, hanno più volte fatto visita alla Montecatini, ed a noi stessi, ed hanno manifestato il desiderio di trattare con la Montecatini per una licenza sui copolimeri per il Canada. La Montecatini ha sempre rinviato ogni trattativa in attesa dell'ottenimento dei brevetti in USA ed in Canada.

Appare perciò strano che la Sarnia pensi di fare impianti in Francia senza ricorrere ad una licenza Montecatini, tanto più che in Francia i brevetti base sui copolimeri sono già stati concessi.

Sarebbe bene perciò appurare la notizia di SPED/PROS, soprattutto nel senso di stabilire quale procedimento la Sarnia intenda adottare e se si tratta di un procedimento diverso dal nostro.

E' da tener presente che in Francia esiste il brevetto di prodotto e che la scoperta dell'impiego come elastomeri dei copolimeri etilene-propilene è generalmente riconosciuta in tutto il mondo, anche in USA, come nostra.

I migliori saluti.

Giulio Natta

# MONTECATINI

SOC. GEN. PER L'INDUSTRIA MINERARIA E CHIMICA  
ANONIMA - CAPITALE VERSATO L. 100.000.000.000  
MILANO

SETTORE STUDI PROGETTAZIONI E BREVETTI  
SERVIZIO BREVETTI

Egregio Signor  
Chiar.mo Prof. G. Natta  
Istituto Politecnico  
Piazza Leonardo da Vinci  
Milano

MILANO. 12 gennaio 1961

Si prega indirizzare a: } Montecatini BREV  
Please reply to: } Largo G. Donegani 1-2  
} Milano, Italy.

Phone: 6333 MILANO

Cables: GABBROBREVETTI MILANO

Telex: MI-085 GABBRO (Begin message with: BREV)

AP/cv

13 GEN 1961

Oggetto : Polymer Corp. Sarnia - Iniziative in Francia

Le alleghiamo, per Sua conoscenza, fotocopia  
di una lettera indirizzata al Settore Idrocarburi .

Voglia gradire nell'occasione i nostri migliori  
saluti.

" MONTECATINI "

All.

\*

MONTECATINI

EMITTENTE

BREV/AFAR Sez. Brevettazione Marchi e Consulenze

DATA

11.1.1961

RIFERIMENTI

DESTINATARIO

VS.

Ns. AP/cv

S E I D - Sede

OGGETTO

Polymer Corp. Sarnia - Iniziative in Francia

SPEB/PROS ci informa che la Polymer Corp. Sarnia è in procinto di iniziare la produzione di copolimeri C<sub>2</sub>C<sub>3</sub> coperti dal nostro brevetto francese 1.138.290 (nostro rif. U.59+U.63+Ut.76).

Presumiamo che siate a conoscenza del procedimento che la Polymer Corp. intende adottare e delle caratteristiche dei copolimeri prodotti.

Onde predisporre un'eventuale azione di diffida nei confronti della Polymer Corp. per contraffazione, Vi alleghiamo i seguenti testi di brevetto francesi :

<u>Nostro rif.</u>	<u>data dep.</u>	<u>Data conc.</u>	<u>N° conc.</u>
U.96	20.12.56	14.4.58	1.162.882
U.96/b	24.7.58	12.9.60	73.877

pregandoVi di comunicarci se dalle notizie in Vostro possesso risulta qualche dato sulle caratteristiche del prodotto e sul procedimento che la Polymer Corp. adotterebbe.

In attesa di una Vostra risposta Vi porgiamo cordiali saluti.

SERVIZIO BREVETTI

All. 2 testi di brevetto

(o) in Francia

COMUNICAZIONE INTERNA



## POLYMER CORPORATION LIMITED - SARNIA, CANADA

June 17, 1960.

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



Dear Professor Natta:

Your letter to Dr. Buckler relative to the visit of Dr. Crespi has been referred to me for reply, in the absence of Dr. Buckler who is attending the Macromolecular Conference.

We would be very happy to receive Dr. Crespi at Polymer Corporation and will make whatever provisions are necessary to make his visit enjoyable. Dr. Crespi has been informed by letter to the New York address given in your letter to Dr. Buckler.

Yours sincerely,

M.J. McCracken,  
Assistant Manager,  
Research and Development  
Division.

NJM:eb  
Att.

June 17, 1960.

C  
O  
P  
Y  
Dr. G. Crespi,  
c/o Dr. Loris Luciano,  
Chemore Corporation,  
Two Broadway,  
New York 4, N.Y.

Dear Dr. Crespi:

We have been informed, by letter from Professor G. Natta to Dr. E.J. Buckler, of your impending visit to America to attend the Gordon Conference. As Dr. Buckler is at present attending the Macromolecular Conference in Europe I am taking this opportunity of extending a welcome to you to our laboratories in Sarnia.

Dr. H.L. Williams and Dr. L. Breitman of Polymer Corporation will be attending sections of the Gordon Conference, and you may meet them there. Dr. Williams will be in attendance at the session on Elastomers, June 20 - 24, and Dr. Breitman will attend the session on Polymers, July 4 - 8.

If you will inform us of the date of your proposed visit to Sarnia and of your point of arrival we could assist you by arranging for your accommodation in Sarnia and by having a car meet you if you arrive in Detroit.

Please let us know how we can be of assistance to you in this matter.

Yours sincerely,



N.J. McCracken,  
Assistant Manager,  
Research and Development  
Division

NJM:eb

c.c. Professor G. Natta  
b.c.c. L. Breitman  
H.L. Williams  
Circulating File

December 12, 1960

Am.

Prof. D. Basmadjian,  
Université d'Ottawa  
Faculté des Sciences Pures et  
Appliquées  
Ottawa (Canada)

our ref. 1039/eg

Dear Professor Basmadjian,

Professor Natta, who is now absent from Milan, charged me to answer your letter of November 21, 1960.

The catalyst pellets used in our experiments, had sizes such as to be comprised between screens having meshes of 0.6 and of 0.9 mm respectively.

By operating under these conditions, we observed (experimentally and by calculations) that the heat-transfer and the mass-transfer phenomena between catalyst and homogeneous phase, do not determine the overall behaviour of the reaction.

Yours sincerely,

I. Pasquon,  
Assistant Professor of  
Industrial Chemistry

UNIVERSITÉ D'OTTAWA

FACULTÉ DES SCIENCES PURES ET APPLIQUÉES



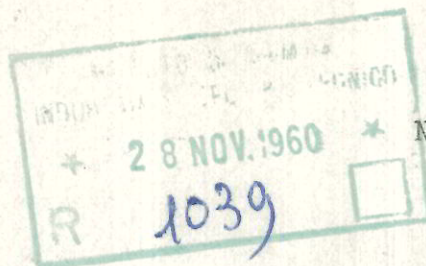
UNIVERSITY OF OTTAWA

FACULTY OF PURE AND APPLIED SCIENCE

OTTAWA, CANADA

GÉNIE CHIMIQUE

CHEMICAL ENGINEERING



November 21, 1960.

Professor Dr. G. Natta,  
Department of Chemistry,  
Polytechnic Institute,  
Milan, Italy.

*D. Basmadjian*

Dear Professor Natta:

I recently had occasion to read your article on methanol synthesis in Vol. III of Emmett's "Catalysis" in connection with some studies of mine on diffusion into catalyst pellets.

I noticed that no mention is made in your paper of the particle size used in your experiments and I was wondering if you would be kind enough to send me some information on this point. I presume the size was small enough to include any retardation due to diffusion into the particles.

Yours sincerely,

*D. Basmadjian*

D. Basmadjian,  
Assistant Professor of  
Chemical Engineering.

DB/ar

*I presume l'etoffe aveva dimensioni tali da essere comparati tra <sup>severi</sup> stadi aventi maglie mesh di 0,6 e 0,9 mm di lato.*



18.9.1962

BREVLEC-AS/el

Polymer Corporation Ltd.

Sarnia, Ontario

CANADA

To the attention of Mr. G. Redlich - Manager, Economics & Development

Gentlemen,

Re: Ethylene - Propylene Copolymers in Canada.

We are referring hereby to the meeting we have had on July 20th, 1962 during the visit paid by Mr. Redlich and Mr. Whitman of your Company to our offices of Milan.

During our talks you have showed again your interest in acquiring some licence rights under Montecatini's patents to produce ethylene-propylene rubbers in Canada, as well as in obtaining some selling rights in other markets, on account of your plans to erect some facilities for the production of ethylene-propylene rubbers. At the same time, you have requested some samples of material produced by our Company in this field.

First of all, we inform you that our Department concerned will ship to you the samples of your interest in the next days.

In regard to a possible license agreement (a matter which has been touched upon by you) we feel, however, that our expectations to have some further explanations on a greater detail on your part concerning your intentions and programs have not yet been materialized. Also in connection with our patent position in the field your point of view is not clear to us.

We are consequently of opinion that, before we can start concrete negotiations with your Company, it is first of all necessary that your Company let us know some fundamental premises in respect of the granting of a patent license by Montecatini and namely:

./..

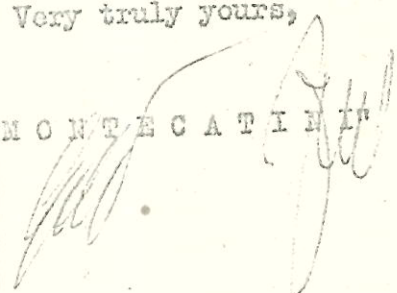
EVLEEC-MS/gl

- 1) that your Patent Department performs, informally and not bindingly, a forecast on the rough percentage of the probability for our patents in the field of ethylene-propylene copolymers for elastic uses to be granted in Canada and to be dominating said field;
- 2) a clear declaration of intent in regard to the future policy of your Company when such patents in this field will be granted;
- 3) that the productive capacity of your plant to be erected is sufficiently clarified, as well as the limits of the chemical field in which said production will be carried out;
- 4) that your commercial plans are also clarified, in connection with the other commercial commitments of your Company relating to the competitive types of rubbers which are at present produced;
- 5) the subsequent arguments of a possible understanding (considerations, export rights, further selling activities of ours and of our American Licensees on the Canadian market, etc.) could successively be dealt with.

We think our point of view -hereinabove stated- is offering the sole concrete possibility to start clear negotiations between our two Companies and, looking forward to hearing from you, we are,

Very truly yours,

"MONTECATINI"



*Marie  
Frouin*

18.10.1962

Egr. Sig. Tony DARIN  
P.O. Box 1013  
INUVIK M.W.T. (Canada)

Egregio Signor Darin,

ho ricevuto la Sua gentile  
lettera con la fotografia da Lei scattata alla  
Esposizione di Seattle, e La ringrazio del Suo  
gentile pensiero.

La prego di gradire i miei  
migliori saluti.

Giulio Natta

TONY. DARIN.  
P.O. Box. 1013  
INUVIK N.W.T.  
Canada

To

Istituto di Industria Chimica  
Del  
Politecnico di Inverno

Inuvik N.W.T. Sept. 27/62

Mr Squeri,

Sono stato all'Esposizione di Seattle.  
Nel Padiglione del Common ~~Market~~ Market ho  
scattato questa photo del Prof. Giulio Nutta  
direttore di questo Politecnico.

Mando questa foto senza interesse da  
parte mia.

La dicitura in Inglese e un elogio di  
per se stesso.

Con l'augurio che vi sia gradita:

Sinceramente

Tony  
Darin

P.S. Se vi interessasse vi mando duplicato della negativo

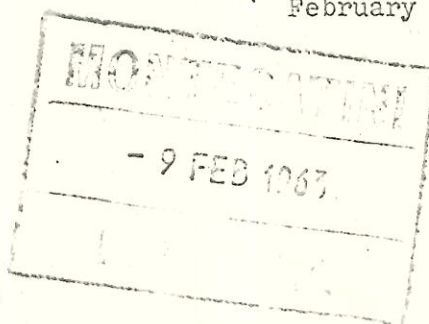
in riprendere



POLYMER CORPORATION LIMITED - SARNIA, CANADA

February 4th, 1963.

Montecatini,  
Brevetti,  
Largo Guido Donegani, 1-2  
Milan, Italy.



To the attention of Dr. De Varda

Gentlemen:-

We would like to acknowledge receipt of your letter of September 18, 1962. We sincerely regret the delay in replying but it was necessary for us to review the patent situation on ethylene-propylene rubbers in detail before answering the questions contained in your letter. This review of the patents delayed our reply.

The sample of ethylene-propylene rubber mentioned in your letter has been received and Dr. Buckler, Vice-President Research and Development, has written to Dr. Ing. B. Orsoni acknowledging its receipt. I would like to thank you for your assistance on this matter. We have completed the evaluation of this sample and we note with great interest its attractive properties. A report containing the test data is being prepared and it will be sent to you when it is completed. We look forward to receiving your comments on the sample of Polymer produced ethylene-propylene rubber that was sent to Dr. Ing. Orsoni.

Before discussing your questions, we would like to re-affirm our interest in obtaining license rights under Montecatini's patents that issue in Canada to manufacture ethylene-propylene rubbers and to market these rubbers on a broad basis. As you know, an economically sized ethylene-propylene rubber plant will require access to a large market in order to sell its full output.

With reference to your questions, we would like to discuss them in the order in which you presented them.

1. The patent situation in Canada is very difficult to appraise and we believe that it will be a number of years before the situation becomes clear. In our opinion, based on patents that have been issued in other countries, Montecatini will eventually obtain patents in Canada relating to ethylene-propylene rubbers. We are unable to express an opinion as to whether these patents will dominate the field and believe that other companies will obtain patents in Canada. In order for Polymer to obtain flexibility to manufacture and market a range of ethylene-propylene rubbers,

we feel patent rights from Montecatini and Ziegler should be obtained. You have advised us that Montecatini has exclusive licensing rights to all of Ziegler's patents relating to ethylene-propylene polymers in all countries except the United Kingdom and Germany.

2. In the event that a patent reads on our process, we are prepared, through amicable discussions, to attempt to reach an agreement to license the patent. Polymer's request for a license from Montecatini at this time is made in the expectation that Montecatini will obtain patent rights in Canada of interest to us.

3. As you well know, there is a minimum plant size below which an economic operation is not practical. Present work indicates that a 10,000 ton/year plant is not an economical plant and we accordingly are interested in building a larger plant to reduce manufacturing costs. The size of our plant will depend on the markets available to us. We are interested in as large a market as possible in order to build a large economical plant. You are aware, of course, that companies in the United States are constructing E.P. plants of the order of 15,000 tons/year.

Polymer is interested in the production of ethylene-propylene rubbers; both copolymers and terpolymers are of interest. Developments in the United States are being closely followed and we have recently noted a preference for the terpolymer.

4. Polymer is basically interested in producing a complete line of rubbers. It intends to develop and promote vigorously the application of new rubbers where such rubbers have economic or quality advantages over present grades of rubber. We believe that ethylene-propylene rubbers will gradually assume an important share of the world rubber market and that Polymer must take an active part in promoting and producing these rubbers in keeping with its position.

With reference to Polymer's current line of products, Polymer produces a range of styrene-butadiene, butadiene-acrylonitrile and butyl rubbers. Polymer has brought on stream a specialty rubber plant at Strasbourg and is presently starting up a polybutadiene plant at Sarnia. These activities are not inconsistent with our declared interest in the ethylene-propylene rubber field and will not affect our decision to enter into the production of these rubbers.

5. We have considered what markets Polymer will require to support an economic operation. The United States market has two conditions that will affect the extent of Polymer sales to that country. First, the duty on rubber entering the United States from Canada is currently 7 1/2%, although a reduction to 6 1/2% will occur in July, 1963. Secondly, we have been advised by our Patent Department that marketing rights from Montecatini will not ensure access to the United States. In their opinion, certain U.S. companies might obtain patent rights and consequently be in a position to bar or severely limit Polymer's freedom to sell in the U.S. We conclude that the U.S. market is uncertain and that access to other important industrial countries is essential in order to market the full output from an economically sized plant.

We have listed the countries in which Polymer desires marketing rights. It should be recognized that freedom to market in a country would not ensure that Polymer would obtain a major portion of that market as it would no doubt have to compete with local production and the export of other countries.

Consistent with our world-wide marketing activities, we request sales rights in the following countries:

U.S.A.	South Africa
Japan	Sweden
United Kingdom	Netherlands
France	Belg. - Luxembourg
W. Germany	Mexico
Canada	Austria
Brazil	Spain
India	Switzerland
Argentina	Eastern Europe
Australia and New Zealand	

We trust this answers your questions concerning Polymer's interest and intent in the ethylene-propylene rubber field. We would like very much to have the opportunity to discuss the situation further with you.

Mr. Dyke and I plan to be in Europe towards the end of March and we would like at that time to meet with you in Milan to consider this matter.

Yours sincerely,



G. Redlich, Manager,  
Economics and Development

/sb

*Cartella  
Polysar*

21 febbraio 1963

ns.rif.110/1v

cc :

Egr. Ing. P. Giustiniani,  
Amministratore Delegato,  
Sec. Montecatini  
Sede

Ing. B. Orsoni  
Ing. G. DeVarde  
Ing. G. Ballabio

Caro Ingegnere,

Con riferimento alla Sua lettera dell'11 febbraio, sarei del parere che la Montecatini licenziasse a Sarnia non soltanto i brevetti sui copolimeri S P, ma anche quelli sui terpolimeri.

Se, come speriamo, i terpolimeri ottenuti con ciclobutadiene sono indipendenti da altri brevetti di terzi, la loro inclusione nelle trattative dovrebbero molto rafforzare la posizione della Montecatini sia in Canada che negli Stati Uniti.

E' logico che la Sarnia non sia contenta del mercato canadese, dato che la sua produzione di site gomme sintetiche è per la massima parte esportata.

Penso che si possano concedere licenze di esportazione in altri paesi, valevoli soltanto sino a quando non vi sia produzione diretta di tali copolimeri negli stessi paesi su licenza Montecatini.

Per maggiormente cautelare l'interesse Montecatini si potrebbe richiedere una licenza suppletiva per i profitti esportati.

Naturalmente la posizione francese deve essere considerata separatamente a causa degli accordi con la SSSO.

Come Lei sa io ho visto gli impianti della Polymer a Sarnia ed i loro laboratori di ricerca e di controllo ed ho avuto una ottima impressione sull'attività di tale Società e sulla sua serietà.

Siccome la Sarnia è molto conosciuta dai gommai di tutto il mondo, sono convinto che un accordo con essa potrà influire favorevolmente su altri accordi in altri paesi.

Cordiali saluti.

G. Natta



# MONTECATINI

Società Generale per l'Industria Mineraria e Chimica

AMMINISTRATORE DELEGATO

## PROMEMORIA

Data, .....  
11 febbraio 1963

G/ra

per il Sig. ....



D I I B  
D I I B / BREV

e. p. c. Prof. NATTA  
Ing. BALLABIO

### LICENZE SUL NOSTRO C-23 ALLA POLYMER SARNIA CANADESE

Sono d' avviso che alla lettera di Sarnia del 4 febbraio u. s. si debba rispondere al più presto, comunicando che noi siamo volentieri disposti ad intrattenerci con quei Signori sulle possibilità di intese per la cessione di nostri diritti per i copolimeri ed eventualmente terpolimeri, limitatamente però al mercato canadese e nord-americano.

Dovrà invece essere messo l' accento sull' interesse che tutti i Paesi indicati nella lettera di Sarnia presentano per la nostra Società sotto il duplice punto di vista e di concessione di licenze a terzi, e di esportazione dei nostri prodotti che sono già fabbricati da un impianto industriale entrato in esercizio in questi giorni nello stabilimento di Ferrara.

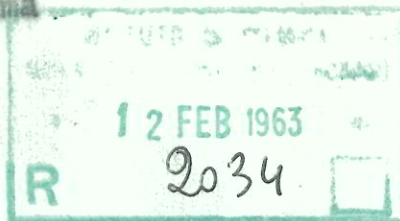
A quest' ultimo riguardo potrete citare gli elementi che sono contenuti nella press-release che tratta appunto dell' entrata in marcia dell' impianto copolimeri di Ferrara.

Cordiali saluti.

A large, stylized handwritten signature in dark ink, consisting of a long vertical stroke and a horizontal crossbar.

9 Febbraio, 1963

dv/ma



*Carlo  
Polsan*

Sig.  
Ing. Piero GIUSTINIANI  
S E D E

e p.c. Sigg.ri Ing. ORSONI  
Ing. BALLABIO  
Prof. NATTA

Oggetto: Licenze sul nostro C-23 alla Polymer Sarnia  
Canadese -

I signori della Sarnia vennero a trovarci a Milano il 20 luglio 1962.

Come da Sue istruzioni, per porre fine ai loro continui tergiversamenti, che i canadesi giustificavano con l'asserita loro impossibilità di prendere delle ragionevoli decisioni in una situazione ancora così fluida, feci loro allora chiaramente capire che non avevamo tempo da perdere fino a quando si presentavano "impreparati."

L'allegata lettera di BREV a Sarnia del 18/9/62 confermava per iscritto quanto già detto a voce, invitando i signori della Sarnia a risolvere i problemi di loro specifica competenza (valutazione Sarnia della posizione brevettuale Montecatini, potenzialità minima di un impianto economico, valutazione del mercato canadese, valutazione comparativa dei prodotti Montecatini, interessano solo C-23 o anche terpolimeri?, diritti di esportazione verso gli USA, ecc.).

La Sarnia risponde ora come da lettera allegata che ritengo interessante e costruttiva, anche se è assai dubbia la nostra convenienza (a parte gli impegni che già abbiamo per la Francia e il Giappone) di concedere alla Sarnia tutti o gran parte dei mercati di esportazione richiesti.

Sarà pure interessante sapere se i campioni Sarnia, opportunamente analizzati da DIPE, sono paragonabili ai nostri.

Con ossequio.

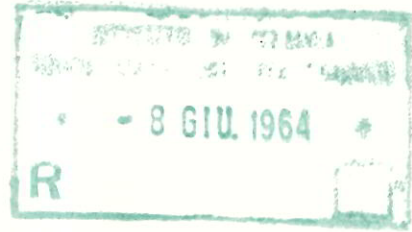
allegati  
lettera Brev a Sarnia 18/9/62  
lettera Sarnia a Brev 4/2/63

*Paragon  
Dente  
Fanno  
25/6/64*

*Am*



McGILL UNIVERSITY  
MONTREAL



Dept. of Chemical Engineering,  
June 1, 1964.

Dear Professor Bozza:

*messaggio all'albo  
1/7/64*

I enclose an announcement of research in Chemical Engineering as carried out by candidates for the Ph.D. degree, or by those already holding the Ph.D. degree. Much, but not all, of the research in the Chemical Engineering Department is carried out in association with the Pulp and Paper Research Institute of Canada. However, it should be emphasized that specific pulp and paper technology is not part of the postgraduate research program, but rather the program consists of fundamental physical, chemical, and engineering research which may be pertinent to present or future processes.

There are some openings with financial support still available to begin in September 1964. Interested candidates should write me for application forms as soon as possible.

Yours sincerely,

*W. J. M. Douglas*  
W.J.M. Douglas,  
Associate Professor.

WJMD:nb  
Encl.

*Rinviare a preparare a lettera (Gruppo Chimici)  
RS*

al chiar. mo prof. Giulio NATTA

Nov.10, 1964

Dr.S.Bywater,  
National Research Council Canada  
Division of Applied Chemistry,  
OTTAWA 2 - Canada -

our ref.769/lv

Dear Doctor Bywater:

Thank you for your letter of Oct.26, 1964 and for the information contained in it.

I am glad that you can include the two footnotes on our papers on allyl acrylate and sorbates in your review article.

Kind personal regards,

Giulio Natta



CABLE ADDRESS "RESEARCH"

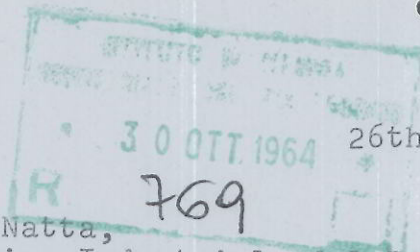
IN YOUR REPLY PLEASE QUOTE

FILE NO. ....

NATIONAL RESEARCH COUNCIL  
CANADA

DIVISION OF APPLIED CHEMISTRY

OTTAWA 2,



26th October, 1964

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

Dear Professor Natta:

I regret that due to unfortunate oversight your paper on allyl acrylate and sorbates did not appear in my review article. It is difficult now to fit them into the text, but I have suggested to the editor that two footnotes could be included.

I do not believe that my review article should contain data on aldehydes and ketones. A separate article on the polymerization of aldehydes and ketones by all types of catalyst would be a valuable topic for 'Advances in Polymer Science' and should include lithium catalysis. I deliberately restricted myself to vinyl monomers because it is not possible in 50 pages to discuss adequately all the compounds which can be polymerized by lithium based catalysts.

Sincerely,

*S. Bywater*

S. Bywater

*N.B. Il Prof. ne aveva parlato con Tarino ✓  
negoziazione  
d'accordo*

SB/jar

*della lettera  
e delle note  
che che -  
proprio*