

GODFREY L. CABOT, INC.
RESEARCH AND DEVELOPMENT DEPARTMENT
38 MEMORIAL DRIVE
CAMBRIDGE 42, MASSACHUSETTS

Am

April 22, 1960

UNIVERSITY 4-1430

Professor and Mrs. Giulio Natta
54 via Mario Pagano
Milano, Italy

Dear Professor and Mrs. Natta,

It was so thoughtful of you to include Mr. MacKenzie and me among your guests for lunch at your home on April 11. I enjoyed renewing our acquaintance and having the opportunity to meet your son and daughter.

I hope your trip to Russia will be pleasant and that we will be favored by a visit from you in the United States in the not too distant future.

With best personal regards.

Very truly yours,

C. LeRoy Carpenter

C. LeRoy Carpenter

CLC:sjb

Am.

November 12, 1958

J.C. MacKenzie Head
Organic & Polymer Research Sec
Godfrey L. Cabot Inc.,
38 Memorial Drive
Cambridge 42, Mass.

1192/mb

Dear Mr. MacKenzie,

I have duly received the paper on "Peroxide Crosslinked Carbon Black/Polyethylene Compositions" you have so kindly sent to me. Thank you very much for it and do accept my best regards.

Yours very truly,

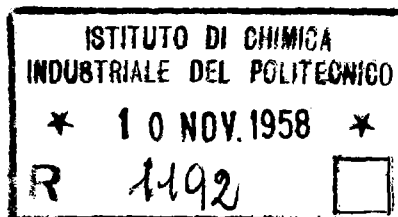
Prof. G. Natta

GODFREY L. CABOT, INC.
RESEARCH AND DEVELOPMENT DEPARTMENT
38 MEMORIAL DRIVE
CAMBRIDGE 42, MASSACHUSETTS

November 3, 1958

UNIVERSITY 4-1430

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



Dear Professor Natta:

Many thanks for sending those copies of your papers which were still available. These arrived a few weeks ago.

I am enclosing a reprint of the Dannenberg et al paper on "Peroxide Crosslinked Carbon Black/Polyethylene Compositions" which appeared in the August issue of the Journal of Polymer Science. This will supplement the pre-print copy I sent to you March 31. Should you desire additional copies, please let me know.

With best personal wishes,

Very truly yours,

GODFREY L. CABOT, INC.

J. C. MacKenzie, Head
Organic & Polymer
Research Section

JCM:abm
Enclosure

July 29, 1958

Am

Our ref. 877/mb

J. C. MacKenzie
Organic & Polymer
Research Section
38 Memorial Drive
Cambridge 42, Mass.
U. S. A.

Godfrey L. Cabot, Jr.

Dear Mr. MacKenzie,

Soon after being come back from
England I found your kind letter of July 11.

I had the chance to meet Mr.
Orzechowski at Nottingham whom I charged to greet you
in my name.

Under separate cover, I am sending
you the copies of the papers which are presently avail-
able, among those you ask me for.

My renewed greetings,

Godfrey L. Cabot, Jr.

176-179

181-184

192-194-195-197-199

201-204-205-206-207-208

210-213

231-232-233

Sincerely yours,

G. Natta

Dear Mr. MacKenzie,

ll'Inghilterra

appena ora ritornato da ~~Nottingham~~ ho trovato

la Sua gentile lettera dell'11 luglio.

Ho avuto occasione di incontrare a Nottingham Mr. Orzechowski che ho incaricato di portarLe i miei saluti.

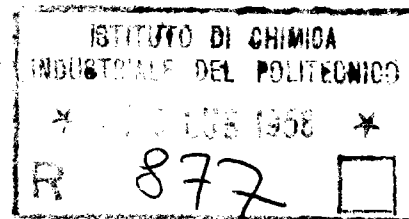
A parte Le invio gli estratti da Voi richiesti, di cui mi sono rimaste delle copie disponibili.

(Saluti).

GODFREY L. CABOT, INC.
RESEARCH AND DEVELOPMENT DEPARTMENT
38 MEMORIAL DRIVE
CAMBRIDGE 42, MASSACHUSETTS

UNIVERSITY 4-1430

July 11, 1958



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

Dear Professor Natta:

As you know, we are very interested in your excellent work on polymerization. We are trying to have as many as possible of your publications on hand; unfortunately, we do not have copies of a number of papers by you and your co-workers. I am attaching a list of those in which we are most interested. Would you be able to supply us with a reprint of all or some of these papers? We would certainly be most appreciative if you could, and will gladly pay for all expenses incurred.

As you are undoubtedly aware, Dr. A. Orzechowski of our laboratory is presenting a paper at Nottingham. I hope he will have the pleasure of meeting you there.

With kindest regards.

Very truly yours,

GODFREY L. CABOT, INC.

J. C. MacKenzie
Organic & Polymer Research Section

JCM/pb

*Perg non
reception pli white
Verona ?*

Mc

Am. Cabot

13th May, 1958

Ref.n.504/el

Mr. J.C. MacKenzie
Organic & Polymer Research
Section
Godfrey L. Cabot Inc.
38, Memorial Drive
CAMBRIDGE, 42 - Mass., U.S.A.

Dear Mr. MacKenzie,

coming back to Milan, from my very interesting travel through the States, I wish to thank you very much for all kindnesses I received from you and your collaborators during my stay in the United States.

I found your kind letter of March 31, and the copy of the paper "Peroxide Cross-linked Carbon Black/Polyethylene Compositions" and I thank you very much for sending me a report printed for internal distribution only.

In regard to your interest on carbon black production from carbon monoxide, I shall try to collect the data of our old experiences to examine if they will be interesting to you.

Mrs. Natta joins me in sending you the deepest thank and best wishes, hoping to have soon another occasion to meet Mrs. MacKenzie and you in Italy.

Sincerely yours,

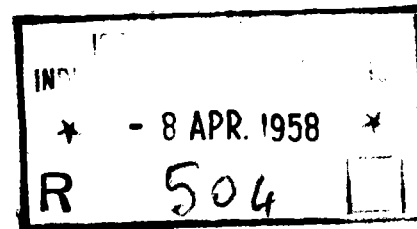
G. Natta

GODFREY L. CABOT, INC.
RESEARCH AND DEVELOPMENT DEPARTMENT
38 MEMORIAL DRIVE
CAMBRIDGE 42, MASSACHUSETTS

UNIVERSITY 4-1430

March 31, 1958

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



Dear Professor Natta:

Since it will be some three months before the paper "Peroxide Cross-linked Carbon Black/Polyethylene Compositions" by Dannenberg et al will be published and reprints available, I am enclosing for you a copy of the paper as printed "For Internal Distribution Only." I think you will find this useful in your various polymer-reinforcement studies.

I was pleased to see that you will participate in the San Francisco ACS meeting. I am looking forward to the opportunity of seeing you and Mrs. Natta there.

Very truly yours,

GODFREY L. CABOT, INC.

J. C. MacKenzie
Organic & Polymer Research Section

ba

cc: Dott. J. Boveri
Carbocrom S.p.A.
Via Col del Rosso
Milano, Italy

Air Mail

*Allegato a
ing Boveri*

April 11, 1958

Mr. J. C. MacKenzie

Organic & Polymer Research Section
GODFREY L. CABOT, INC.

Research & Development Dept.

38 Memorial Drive

CAMBRIDGE 42 - Mass. - U.S.A.

Dear Mr. MacKenzie,

In the absence of Prof. Natta, who left already Milan to the States, I wish to thank you for your kindness in sending us the paper : "Peroxide Cross-linked Carbon Black/Polyethylene Compositions".

With best regards.

Very truly yours,

R. Lamma (secretary to Prof. Natta)

(2)

HOTEL

Mark Hopkins

NOB HILL · SAN FRANCISCO

related to its manufacture. Was your work sufficiently extensive to gather information pertaining to yield, particle size, and performance in rubber systems? Do you have any of the product available for us to look at under the electron microscope. Sufficient material for more extensive evaluation would of course be of value.

As a Canadian I am pleased that you will have an opportunity to visit Canada. I think you will enjoy yourself.

Looking forward to seeing you in Montreal, with best regards to you and Mrs. Vatta and enjoy the rest of your stay in San Francisco.

J.C. MacKenzie

(S.F. Francis Hotel
leaving 7:45am Friday 4/18/58)

G. Cabot

HOTEL
Mark Hopkins
NOB HILL · SAN FRANCISCO

April 17, 1958.

Dear Prof: Natta.

It was a pleasure seeing you again yesterday. Also we enjoyed listening to your two papers.

As I mentioned I and other representatives from Cabot will be at the A.I.C.H.E. meeting in Montreal and would like to have the opportunity of getting together with you. Tentatively I would suggest dinner on Sunday April 20 or perhaps lunch or dinner on Monday. Like yourself we shall be at the Sheraton Mount Royal and shall be in touch with you.

One particular subject we would be interested in hearing your comments is the reaction CO (carbon monoxide) to carbon black. I understand you have some patents on this subject. Being carbon black manufacturers we are of course interested in all possibilities.

24 Ottobre 1957

Ref.n.1769/

Mr. James C. MacKenzie, Head
Organic & Polymer
Research Section
GODFREY L. CABOT, Inc.
38, Memorial Drive
CAMBRIDGE, 42 - Massachusetts, U.S.A.

Dear Mr. MacKenzie,

I thank you very much for your kind letter of
October 16.

I thank you also for your assistance in procuring us
samples of carbon black and for the reprint of E.M. Dannenberg's
paper you promised to send us.

I send you, under separate cover, some recent publi-
cations in the field of stereospecific polymerization, but I
regret not being able to send you reprints of the past papers,
as I have no more at my disposal.

Hoping to meet you soon in Europe, Mrs. Natta and I
send Mrs. MacKenzie and yourself our best regards.

Sincerely yours,

(Prof. G. Natta)

*initiated 25/10
226-224-223
222-221*

Mr. James C. MacKenzie, Head
Organic & Polymer
Research Section
GODFREY L. CABOT, Inc.

38, Memorial Drive
CAMBRIDGE, 42 Massachusetts

*Inviare pubblicazioni
a pag. 19
405 ultime.*

Dear Mr. MacKenzie,

La ringrazio per la Sua gentile lettera del 16 ottobre.

Grazie anche per il Suo interessamento di farci inviare i campioni di Carbon black e per i promessi invii di un estratto del lavoro di E.M. Dannenberg.

Le invio a parte alcune pubblicazioni recenti nel campo della polimerizzazione stereospecifica; sono invece spiacente di non poter inviare gli estratti dei vecchi lavori, di cui sono rimasto sprovvisto.

Sperando di vederLa presto in Europa, invio a Lei e Mrs. Mac.Kenzie molti cordiali saluti anche da parte di Mrs. Natta.

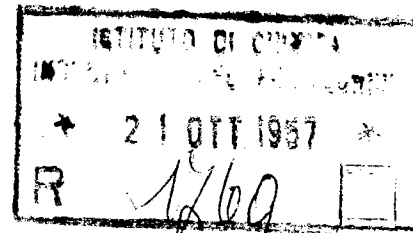
G.Natta

GODFREY L. CABOT, INC.
RESEARCH AND DEVELOPMENT DEPARTMENT
38 MEMORIAL DRIVE
CAMBRIDGE 42, MASSACHUSETTS

UNIVERSITY 4-1430

October 16, 1957

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



Dear Professor Natta:

Although somewhat belatedly, I should like to express my sincere thanks for the fine hospitality you extended me in Milan on August 1 and 2. In particular, I appreciated Mrs. Natta's special trip from the mountains to join us for lunch on the Friday. I would also like to say with gratitude that Mrs. Natta's selection of cameos proved to be much to the liking of my wife and daughters. It was with regret that I had to decline your kind invitation for the week end; however, I did find Rome most impressive and enjoyable.

During our discussions you requested recommendations and samples of carbon black for study in your various polymer systems, including PVC, ethylene-propylene copolymers, and polymers similar to Hypalon. Since I expect your principal interest is to upgrade the properties of your new polymers, perhaps similar to that effected in polyethylene by the Cab-XL process, we suggest that you evaluate a broad spectrum of carbon blacks ranging from the larger particle size thermal blacks through the finer, Super-Abrasion Furnace (SAF) type. I am, therefore, requesting Dr. J. Boveri, Carbocrom S.p.A., Milan, to send to your attention or that of Ing. Creopi samples of the following carbon blacks:

Sterling MT (Medium Thermal - MT)
Sterling FT (Fine Thermal - FT)
Spheron 9 (Easy Processing Channel - EPC)
Sterling S (Semi Reinforcing Furnace - SRF)
Sterling V (General Purpose Furnace - GPF)
Sterling SO (Fast Extruding Furnace (FEF))
Vulcan 3 (High Abrasion Furnace (HAF))
Vulcan 6 (Intermediate Super-Abrasion Furnace - ISAF)
Vulcan 9 (Super-Abrasion Furnace - SAF)

Should your interests include pigmentation and U.V. screening, then Carbolac 2 (high-color black) and Monarch 74 (medium-color black), respectively, should be investigated.

A paper authored by E. M. Dannenberg, Director of Carbon Black Research, and others, relating to our study of carbon black in polyethylene has been accepted for publication in the Journal of Polymer Science. Preprints should be available in about two months, and I will gladly send you a copy as soon as one is available.

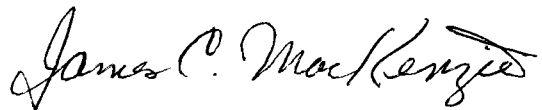
As you know, we have been following with interest your excellent work in the field of stereospecific polymerization. We would appreciate receiving reprints of your forthcoming papers. If you still have available copies of recent and past papers in this field, we would be interested in receiving a copy of each. We will gladly pay for any cost involved.

Mr. R. P. Rossman asked me to extend his regrets that he was unable to get together with you in Milan or Rome. Unfortunately, his schedule was such that he could not await your arrival in Rome.

Again thank you for your courtesies, and I extend best regards to Mrs. Natta and yourself.

Very truly yours,

GODFREY L. CABOT, INC.



James C. MacKenzie, Head
Organic & Polymer
Research Section

JCM:abm

Proveoli
Piazza delle Ore 11
Telefono

PALACE HOTEL LUCERNE

TÉLÉPHONE (041) 2 19 01
TÉLÉGR. PALACE

1401

Ames

July 28, 1957.

Dear Prof. Natta.

Thank you for your telegram of July 25 telling me that both you and Dr. Orsoni would be glad to see me in Milan next week.

This is to confirm my time of arrival as Thursday, Aug. 1, about 12:15 at the Milan airport. I am expecting our representative in Milan, Mr. J. Boveri, to meet me at the airport, and after lunch we can journey to your Institute. If you prefer that we go directly to Montecatini perhaps you can phone Mr. Boveri to that effect or any other arrangement you might prefer. I plan to spend Friday, Aug 2, in Milan

leaving for Rome at 18¹⁵. I would
much appreciate seeing your laboratories and
if possible inspecting samples of your
new elastomers etc.

It was indeed a pleasure seeing
you in Paris and having lunch together
with Mrs Natta.

Looking forward to our meeting
again Thursday, I am

Sincerely yours.

Dr J.C. MacKenzie
Mr. Boveri's address:

J. Boveri
Carbocrom
Via Col del Rosso, 3
Milan

Telef. Milan-848 2844

Hotel Continental - Via Manzoni
Godfrey L. Labot

92 ESTERO MMA

N. di recapito. Rimesso al fattorino alle ore

Mod. 30 (Ediz. 1955)

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= ELT = PROF GIULIO NATTA

POLYTECHNIC INSTITUTE PIAZZA

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= EXPECT BE IN MILAN EARLY THURSDAY AFTERNOON AND FRIDAY STOP WOLL.

CONFIRM WHEN ITINERARY COMPLETE = MACKENZIE =

~~_____~~

Mr. MacKenzie
Hotel Prince de Galles
33 George Sand
PARIS

Answer

Dr. Orsoni from Montecatini and I glad to meet you in Milan next week

NATTA

292125

25-7-57 - ou 11, 20



HOTEL PRINCE DE GALLES

(PRINCE OF WALES HOTEL)

33, AVENUE GEORGE V
PARIS

TÉLÉPHONE: BALZAC 39-90
TÉLÉGR. WALESOTEL-PARIS-34

7/21/57.

Dear Prof. Natta:

I enjoyed your opening lecture of the Congress and I trust we will be able to get together this week.

The main purpose of this note is to ask your advice about a matter that may be of interest to Montecatini. Have you heard of Cabot's Cab-X6 process. This is a development wherein one can "reinforce" polyethylene with high loadings of carbon black, up to 250 parts. I have some data with me and a couple of samples of the product. Do you think Montecatini would be interested in discussing these with me?

If so, whom should I see? My itinerary is such that I can be in Milan the afternoon of Thursday Aug 1 and Friday the 2nd if necessary.

Cabot's process is particularly effective

MÊME GROUPE { HOTEL MEURICE - LE GRAND HOTEL PARIS
HOTEL DE FRANCE, CONAKRY, GUINÉE FRANÇAISE

p. T. O.

in improving the strength of polyethylene pipe.
It is too early yet to say whether this will
allow usage in ^{hot} water applications, but the
data indicates a possibility.

I would appreciate hearing from
you in this regard.

Very truly yours.

J. C. MacKenzie.
Sr., Godfrey L. Cabot Inc.

Am.

1112
Am.
June 4, 1957

Mr. J. C. MacKenzie, Section Head
Organic & Polymer Research
Godfrey L. Cabot, Inc.
Research and Development Dept.
38 Memorial Drive
CAMBRIDGE 42 - Mass. - U. S. A.

Dear Mr. MacKenzie,

I received your kind letter of
May 24, and I too am very pleased to have the opportunity
to see you again, during the Paris Congress. Mrs. Natta
shall be in Paris with me and also she will be very glad
to meet Mrs. MacKenzie, if she will come to Europe.

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

Very sincerely yours,

Giulio Natta

GODFREY L. CABOT, INC.
RESEARCH AND DEVELOPMENT DEPARTMENT
38 MEMORIAL DRIVE
CAMBRIDGE 42, MASSACHUSETTS

UNIVERSITY 4-1430

May 24, 1957

Prof. Giulio Natta
Polytechnico Institute
Piazza Leonardo da Vinci 32
Milan, Italy

Dear Prof. Natta:

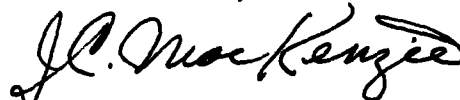
I am planning to attend the International Congress, and subsequent symposium on Elastomers, Fibers and Plastomers in Paris this July, and I am pleased to see that you are going to honor us with three papers during this time.

I am looking forward to the opportunity of renewing the acquaintance we made last summer when you visited our laboratory, and subsequently at the Gordon Conference.

With kind regards to you and Mrs. Natta,

Very truly yours,

GODFREY L. CABOT, INC.



J. C. MacKenzie, Section Head
Organic & Polymer Research

JCM LMD

Responde

*Recevo a V. gentile lettera
con grande piacere. In occasione
di Parigi, dove sono ancora
per qualche giorno, ho l'onore
di informarvi che MacKenzie
verrà con noi a Parigi.*

Mac

GODFREY L. CABOT, INC.

TELEPHONE LIBERTY 2-7300

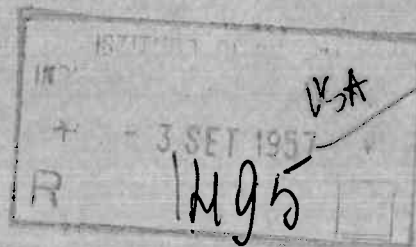
CABLE ADDRESS
CHANDERYAR, BOSTON



77 FRANKLIN STREET
BOSTON 10, MASSACHUSETTS

August 28, 1957

Dr. Bartolomeo Orsoni
Head, Development Dept.
Montecatini-SEPS
Via Turati, 18
Milano, Italy



Dear Dr. Orsoni:

Mr. Rossman has referred your letter of August 1, 1957 to my attention. In reply I can only say that at the present time we have not yet determined what our licensing policy will be abroad. However, we are well aware of the importance of your concern in the polyolefin field and would hope that some mutually agreeable licensing program could be reached.

In view of your request, Mr. Rossman who will be in Europe the 1st of September hopes to call on you in Milano. He will plan to make contact with you as soon as he knows in more detail what his itinerary will be. It is possible that he will be able to visit you either toward the end of the week of September 1st or during the week of September 8th, depending, of course, on your convenience as well.

Sincerely yours,

Kenneth W. Brown
Manager, Patent Dept.

KWB:feo

*Blitene ad alto contenuto
di carbonio - black,*