



GENERAL CABLE CORPORATION

26 WASHINGTON STREET

PERTH AMBOY, N. J.

M. H. McGRATH
VICE-PRESIDENT
AND
CHIEF ENGINEER

June 4, 1956

Mr. J. T. O'Halloran, Secretary
Board of Examiners
American Institute of Electrical Engineers
33 West 39th St.
New York 18, N. Y.

Luigi Emanuelli
Proposal for Transfer to Grade of Fellow

Dear Mr. O'Halloran:

Attached hereto is a "Proposal for Transfer to the Grade of Fellow" for Luigi Emanuelli of Milan, Italy.

Mr. Emanuelli is a very eminent, perhaps the most eminent, cable engineer in the world. He is famous everywhere for the part he played in the development of the Pirelli Oil-Filled Cable, the first successful insulated cable ever developed to transmit power underground at voltages in excess of 66,000 volts. He was also the guiding spirit behind the first commercial cable installations in the world at 138,000 volts, namely two installations which went into service almost simultaneously in New York City and Chicago in 1927 and he is also a co-author of the paper describing these installations, i.e. a paper entitled "132,000 Volt Single-Conductor, Lead Covered Cable" (Journal of AIEE, February 1928, also published in AIEE Transactions). The success of the Pirelli oil filled cable has been unparalleled in the annals of cable history and today the highest voltage cables in the world, namely those operating at 425 kv in Sweden, are of the Pirelli oil filled design. In an introduction to a book entitled "High Voltage Cables" written by Emanuelli in 1930 (John Wiley and Sons, 1930), W. A. Del Mar, one of the references listed in the attached stated in part:

"Wherever electric cables are used, the name of Luigi Emanuelli is recognized as representing progress and originality. The appearance of a book by him is therefore an event of importance to cable engineers and dielectricians generally. As a rule, books by European Cable experts have limited value to Americans because of the great differences in practice on the two continents. Here, however, we have a work which deals with principles rather than details of practice and which therefore has no geographical limits to its usefulness."

PR OK
TO PROCESS
SON

June 4, 1956

Mr. J. T. O'Halloran
American Institute of Electrical Engineers

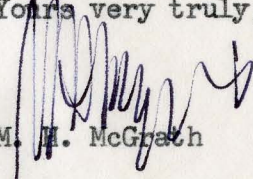
That this high regard for Emanuelli's contributions has been enhanced rather than diminished in the intervening years is evidenced by the following excerpt from a discussion by Mr. Del Mar of an article ("Research on the Electric Breakdown of Fully Impregnated Paper Insulation for High-Voltage Cables" by Palandri and Gazzana-Priaroggia, Power Apparatus and Systems, February 1956, pages 1343-1365) by two of Emanuelli's proteges:

"A paper on cables from the engineers of the Pirelli Company is an event of importance to the Institute, particularly as it may be assumed to have been sponsored by such a distinguished authority as Luigi Emanuelli."

Insofar as a citation is concerned, it would seem that something such as the following might be considered:

"For outstanding achievement in research and development of insulated cable for power transmission at extra high voltage."

Yours very truly,



M. H. McGrath

MHM:A

June 8, 1956

Mr. M. H. McGrath, Vice President
General Cable Corporation
26 Washington Street
Perth Amboy, New Jersey

Dear Mr. McGrath:

This will acknowledge receipt of your letter of June 4 enclosing the proposal for transfer to the grade of Fellow on behalf of Mr. Luigi Emanuelli.

The proposal is in order and will be processed for consideration by the Board of Examiners after replies have been received from the references. You will receive notification of the action taken after the Board of Directors act on the recommendation of the Examiners.

Very truly yours,

John T. O'Halloran
Secretary
Board of Examiners

JTO.AL.

LUIGI PANCRAZIO EMANUELI

#26203

Vice Chairman, Board of Directors & Consulting Engineer
Pirelli, S.P.A.

94 viale Abruzzi, Milano, Italy

For Mail: the same

TRANSFERRED TO GRADE OF FELLOW - AUGUST 17, 1956

STEPS TO BE TAKEN:

NOTE INDEX BOOK

8 17 '56

NOTE LEDGER

HW

NOTE CATALOGUE

JWH

CORRECT ADDRESSOGRAPH STENCIL AUG 17 1956
TO SHOW FELLOW GRADE

28

PRINT STENCIL NOTIFICATION FOR SECTIONS AUG 17 1956

DIPLOMA ORDERED: 8-27-56 EH

mailed

A1

8/17/56

August 20, 1956

Mr. Luigi P. Emanuelli
Pirelli
S.P.A.
Milano, Italy

Dear Mr. Emanuelli:

I am glad to inform you that, at its meeting on August 17, 1956, the Board of Directors voted to invite you to be transferred to the grade of Fellow in the Institute.

The citation which was approved by the Board of Directors is quoted below:

"For the outstanding development of oil-filled cable which made practical underground power transmission at extra high voltages."

We shall appreciate your signing the enclosed record of your experience and returning it to this office.

We plan to publish a personal item in ELECTRICAL ENGINEERING, and shall be glad to receive a recent photograph for this purpose.

Sincerely yours,

N. S. Hibshman
Secretary

Enclosure

Emanueli
Citation

Sponser

For outstanding achievement
in research and development
of insulated cable for power
transmission at extra high
voltages

LFA

For ^{the} outstanding development
of ~~the~~ oil-filled cable which
made practical underground
power transmission at extra
{ extra high voltages
{ ~~voltages above 69000 volts~~

CABLE ADDRESS: "PIRELLI" NEW YORK
PHONE: PENNSYLVANIA 6-9683

PIRELLI

11 WEST 42ND STREET
NEW YORK 36, N. Y.

NICOLO M. BASEGGIO
REPRESENTATIVE

001576

PIRELLI S. P. A.-MILAN, ITALY
AND ASSOCIATED COMPANIES

September 11, 1956

SOCIETE INTERNATIONALE PIRELLI
BASLE, SWITZERLAND
AND ASSOCIATED COMPANIES

American Institute of
Electrical Engineers,
33 West 39th St.,
New York 18, N.Y.

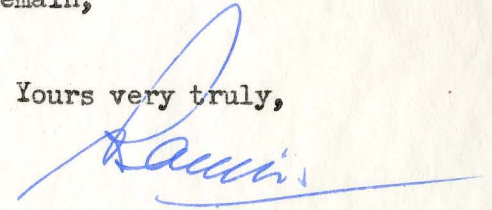
Att. Membership Dept.

Gentlemen:

Enclosed please find Proposal for Transfer to the Grade of
Fellow concerning Mr. Luigi Emanuelli of Milano, Italy.

We trust you will find all in order and remain,

Yours very truly,



N. BASEGGIO

R

Encl.

9/12/56 - FELLOW Diploma of LUIGI PANCRAZIO EMANUELI sent, AIR MAIL, to
him at -
Pirelli, S.P.A.
✓ 94 Viale Abruzzi
Milano, ITALY.

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September 12, 1956

Mr. M. H. McGrath, Vice President
General Cable Corporation
26 Washington Street
Perth Amboy, New Jersey

Dear Mr. McGrath:

I am pleased to advise you, as sponsor, that the Board of Directors has approved the proposal that Mr. Luigi P. Emanuelli be transferred to the grade of Fellow in the AIEE, and he has signed the proposal form.

The citation approved in connection with Mr. Emanuelli's transfer to Fellow grade reads as follows:

"For the outstanding development of oil-filled cable which made practical underground power transmission at extra high voltages".

Very truly yours,

John T. O'Halloran
Secretary
Board of Examiners

JTO.AL.