



PROPOSAL FOR FELLOW

H. H. Henline, *Secretary*

Dear Sir:

The undersigned hereby propose for advancement to Fellow grade

Luigi Pancrazio Emanuelli

(Name of Candidate)

94, viale Abruzzi

(Address)

Milano, Italy

We believe that he meets the requirements of the Constitution and a detailed statement of professional record, showing wherein he has attained the distinction required, and list of five Fellow references is attached.

Yours truly,

Signatures  
of  
five  
Fellows  
or  
Members

- 1.
- 2.
- 3.
- 4.
- 5.

[Signature] M  
Allen G. Pettie F  
Wallis K. Sels F  
William J. Richard M  
Randolph W. Burrell M

Date June 5 1956



# American Institute of Electrical Engineers

33 West 39th Street

New York 18, N. Y.



June 8, 1956

Mr. W. A. Del Mar  
Habirshaw Cable & Wire Div.  
Phelps Dodge Copper Products Corp.  
Yonkers, New York

Dear Sir: A proposal for transfer to the grade of FELLOW in the American Institute of Electrical Engineers has been submitted on behalf of the person whose name appears below, and your name is given as one of the five references required by our Constitution, excerpts from which appear on the reverse side of this form.

For the confidential information of our Board of Examiners, will you kindly reply to the following inquiries and return this form as promptly as convenient in the enclosed envelope.

Name of Applicant:

Very truly yours,

Luigi Pancrazio Emanuelli  
Vice Chairman, Board of Directors &  
Consulting Engineer  
Pirelli, S.P.A. Milano, Italy

*M. S. Habirshaw*  
Secretary.

### READ NEW REQUIREMENTS ON REVERSE BEFORE ANSWERING THESE QUESTIONS

For how long a period have you personally known the applicant?.....

Are you of the opinion that (a) his character is such that if transferred he will prove a creditable FELLOW of the Institute, and that (b) he meets the other constitutional requirements for the grade of FELLOW?

(a) *yes* ..... (b) *yes* .....

Kindly state instances within your personal knowledge of work performed by the applicant which renders service to electrical engineering or electrical science and your opinion of such work. Also, please indicate your own company, title, and in what way you are associated with the applicant i.e.: are you his employer, his employee, a co-worker, etc.....

*Inventor of the Oil-filled Cable  
Mr. Emanuelli needs no endorsement  
He is recognized internationally as  
a great engineer and a fine gentleman.*

Statement may be continued on back of this form.

NOTE: If you desire the applicant's record before replying, please check here and return this form. . . .

*W. A. Del Mar*  
SIGNED

*June 11, 1956*  
DATE

*Fellow* *over*



DVLE

SIGNED

NOTE: If you are a member of the Society, please sign your name in the space provided below.

I have had many meetings with Emanuel and considerable correspondence. I am also familiar with his numerous patents. My company has been a licensee under these patents.

His development of the oil-filled cable has enabled electrical transmission voltages to be raised from 69 kv. to 425 kv.

QUESTIONS ON THESE QUESTIONS

NAME OF MEMBER

ADDRESS

CITY AND STATE

DATE

NAME OF MEMBER

ADDRESS

Date

June 11 56

Signed

W. A. Hillman

EXTRACTS from the CONSTITUTION

Qualifications for grade of Fellow

SEC. 4—A Fellow shall at the time of transfer be at least 40 years of age and shall be a Member actively engaged in the electrical field (temporary unemployment excepted). He shall have had at least 15 years of active experience and shall have been in good standing in Member grade for at least 10 consecutive years immediately prior to the date of proposal for transfer to Fellow and shall qualify under paragraph "a" or "b" of this section. A person who at the time of admission to the grade of Member held in good standing in a cognate electrical engineering society of national scope in any country a grade of membership for which the qualifications indicate a standing equivalent to that required for

the grade of Member herein, may have such years of prior membership in that equivalent grade to a maximum of nine considered as a part of the requisite ten years in Member grade.

a. He shall have attained distinction in the design, construction, manufacture or operation of important electrical work or products or in the teaching of a major course in electrical engineering or science in an educational institution whose curriculum is approved by the Board of Directors, and as a measure of such accomplishment he shall have been in responsible charge of such work for at least five years.

b. He shall have attained distinction by reason of inventions, original work in electrical science, arts, or literature, or as an engineering executive of electrical engineering work of large scope, or the application of electricity to important engineering projects.



# American Institute of Electrical Engineers

33 West 39th Street

New York 18, N. Y.



June 8, 1956



Mr. Herman Halperin  
Commonwealth Edison Co.  
72 West Adams Street  
Chicago 90, Illinois

Dear Sir: A proposal for transfer to the grade of FELLOW in the American Institute of Electrical Engineers has been submitted on behalf of the person whose name appears below, and your name is given as one of the five references required by our Constitution, excerpts from which appear on the reverse side of this form.

For the confidential information of our Board of Examiners, will you kindly reply to the following inquiries and return this form as promptly as convenient in the enclosed envelope.

Name of Applicant:

Very truly yours,

Luigi Pancrazio Emanuelli  
Vice Chairman, Board of Directors &  
Consulting Engineer  
Pirelli, S.P.A. Milano, Italy

*M. S. Halperin*  
Secretary.

### READ NEW REQUIREMENTS ON REVERSE BEFORE ANSWERING THESE QUESTIONS

For how long a period have you personally known the applicant? 32 years

Are you of the opinion that (a) his character is such that if transferred he will prove a creditable FELLOW of the Institute, and that (b) he meets the other constitutional requirements for the grade of FELLOW?

(a) Yes (b) Yes

Kindly state instances within your personal knowledge of work performed by the applicant which renders service to electrical engineering or electrical science and your opinion of such work. Also, please indicate your own company, title, and in what way you are associated with the applicant i.e.: are you his employer, his employee, a co-worker, etc.

*Emanuelli's contributions to advancement of the art of designing, manufacturing & installing electric power cables of all types and voltages have been very outstanding in the whole world. I have been in touch directly & indirectly with him over the years. Many consider him as the top "cable researcher & engineer" of the past 50 years. In addition he has been an executive (now one at the very top of his company)*

NOTE: If you desire the applicant's record before replying, please check here and return this form.

SIGNED

DATE

Fellow

*Herman Halperin  
Senior Staff Engineer  
Commonwealth Edison Co. 6/11/56*



# American Institute of Electrical Engineers

33 West 39th Street

New York 18, N. Y.



June 8, 1956



Mr. L. I. Komives  
The Detroit Edison Company  
2000 - 2nd Avenue  
Detroit 26, Michigan

Dear Sir: A proposal for transfer to the grade of FELLOW in the American Institute of Electrical Engineers has been submitted on behalf of the person whose name appears below, and your name is given as one of the five references required by our Constitution, excerpts from which appear on the reverse side of this form.

For the confidential information of our Board of Examiners, will you kindly reply to the following inquiries and return this form as promptly as convenient in the enclosed envelope.

Name of Applicant:

Very truly yours,

Luigi Pancrazio Emanuelli  
Vice Chairman, Board of Directors &  
Consulting Engineer  
Pirelli, S.P.A., Milano, Italy

*M. S. Hilborn*  
Secretary

### READ NEW REQUIREMENTS ON REVERSE BEFORE ANSWERING THESE QUESTIONS

For how long a period have you personally known the applicant? 20 years

Are you of the opinion that (a) his character is such that if transferred he will prove a creditable FELLOW of the Institute, and that (b) he meets the other constitutional requirements for the grade of FELLOW?

(a) Yes (b) Yes

Kindly state instances within your personal knowledge of work performed by the applicant which renders service to electrical engineering or electrical science and your opinion of such work. Also, please indicate your own company, title, and in what way you are associated with the applicant i.e.: are you his employer, his employee, a co-worker, etc. Besides many other achievements

in the making and testing of electrical cables, Mr. Emanuelli was responsible for the first cable in the world which operated successfully over 100 Kv.

He is known the world over as the premier cable engineer, and engineers under him serve as experts on cable matters all over the world. I am

Statement may be continued on back of this form.

NOTE: If you desire the applicant's record before replying, please check here and return this form.

*L. I. Komives*  
SIGNED

DATE

*Fellow*



DVICE

AGIAD

NOTE: If you desire the certificate...

connected with The Detroit Edison Company which is a major cable user in the capacity of Assistant General Superintendent of the Underground Lines Department, responsible for the installation, maintenance and operation of all cable lines. I have been associated with Mr. Emanuelli through international cable committees.

(a) Yes (p) Yes

Signature of Applicant: [Signature]

Signature of Board of Directors: [Signature]

Date June 13, 1956 Signed L. J. Ramirez

EXTRACTS from the CONSTITUTION

Qualifications for grade of Fellow

SEC. 4—A Fellow shall at the time of transfer be at least 40 years of age and shall be a Member actively engaged in the electrical field (temporary unemployment excepted). He shall have had at least 15 years of active experience and shall have been in good standing in Member grade for at least 10 consecutive years immediately prior to the date of proposal for transfer to Fellow and shall qualify under paragraph "a" or "b" of this section. A person who at the time of admission to the grade of Member held in good standing in a cognate electrical engineering society of national scope in any country a grade of membership for which the qualifications indicate a standing equivalent to that required for

the grade of Member herein, may have such years of prior membership in that equivalent grade to a maximum of nine considered as a part of the requisite ten years in Member grade.

- a. He shall have attained distinction in the design, construction, manufacture or operation of important electrical work or products or in the teaching of a major course in electrical engineering or science in an educational institution whose curriculum is approved by the Board of Directors, and as a measure of such accomplishment he shall have been in responsible charge of such work for at least five years.
- b. He shall have attained distinction by reason of inventions, original work in electrical science, arts, or literature, or as an engineering executive of electrical engineering work of large scope, or the application of electricity to important engineering projects.



# American Institute of Electrical Engineers

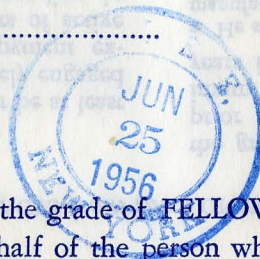
33 West 39th Street

New York 18, N. Y.



June 8, 1956

Mr. D. M. Simmons  
1307 Linden St.,  
Sewickley, Pennsylvania



Dear Sir: A proposal for transfer to the grade of FELLOW in the American Institute of Electrical Engineers has been submitted on behalf of the person whose name appears below, and your name is given as one of the five references required by our Constitution, excerpts from which appear on the reverse side of this form.

For the confidential information of our Board of Examiners, will you kindly reply to the following inquiries and return this form as promptly as convenient in the enclosed envelope.

Name of Applicant:

Very truly yours,

Luigi Pancrazio Emanuelli  
Vice Chairman, Board of Directors &  
Consulting Engineer  
Pirelli, S.P.A. Milano, Italy

*M. S. Hilborn*  
Secretary.

### READ NEW REQUIREMENTS ON REVERSE BEFORE ANSWERING THESE QUESTIONS

For how long a period have you personally known the applicant? ... 30 years

Are you of the opinion that (a) his character is such that if transferred he will prove a creditable FELLOW of the Institute, and that (b) he meets the other constitutional requirements for the grade of FELLOW?

(a) Yes (b) Yes

Kindly state instances within your personal knowledge of work performed by the applicant which renders service to electrical engineering or electrical science and your opinion of such work. Also, please indicate your own company, title, and in what way you are associated with the applicant i.e.: are you his employer, his employee, a co-worker, etc.

Outstanding invention of the oil-filled high voltage underground cable. Specifically his design and supervision of the first 138,000 cables in the U.S.A., in 1927. I believe he is a life member of the AIEE.

Statement may be continued on back of this form.

NOTE: If you desire the applicant's record before replying, please check here and return this form.

*Donald M. Simmons*  
SIGNED

DATE June 30, 1956

*Fellow*



# American Institute of Electrical Engineers

33 West 39th Street

New York 18, N. Y.



June 8, 1956

Mr. O. W. Titus  
Canada Wire & Cable Co.,  
Postal Station "R"  
Toronto 17, Canada

Dear Sir: A proposal for transfer to the grade of FELLOW in the American Institute of Electrical Engineers has been submitted on behalf of the person whose name appears below, and your name is given as one of the five references required by our Constitution, excerpts from which appear on the reverse side of this form.

For the confidential information of our Board of Examiners, will you kindly reply to the following inquiries and return this form as promptly as convenient in the enclosed envelope.

Name of Applicant:

Very truly yours,

Luigi Panerazio Emanuelli  
Vice Chairman, Board of Directors &  
Consulting Engineer  
Pirelli, S.P.A., Milano, Italy

*M. S. Hilborn*  
Secretary

### READ NEW REQUIREMENTS ON REVERSE BEFORE ANSWERING THESE QUESTIONS

For how long a period have you personally known the applicant? .....

Are you of the opinion that (a) his character is such that if transferred he will prove a creditable FELLOW of the Institute, and that (b) he meets the other constitutional requirements for the grade of FELLOW?

(a) Yes ..... (b) Yes .....

Kindly state instances within your personal knowledge of work performed by the applicant which renders service to electrical engineering or electrical science and your opinion of such work. Also, please indicate your own company, title, and in what way you are associated with the applicant i.e.: are you his employer, his employee, a co-worker, etc.....

Conceived and developed the Oil Filled Cable design - an  
outstanding contribution to electrical science and the  
transmission of electrical energy. *(See reverse side)*

Statement may be continued on back of this form.

NOTE: If you desire the applicant's record before replying, please check here and return this form. . . .

*M. S. Hilborn*  
SIGNED  
July 5, 1956  
DATE

*Fellow*



NOTE: If you desire the original of this letter, please specify on the reverse side of this letter.

*[Handwritten signature]*

.....

.....

While I have not known Dr. Emanuelli personally, I have had good knowledge of him and his career through mutual friends and from watching cable development over a period of about thirty years.

He is outstanding!

.....

.....

.....

.....

.....

Date July 5, 1956 Signed *[Handwritten signature]*

.....

EXTRACTS from the CONSTITUTION

Qualifications for grade of Fellow

SEC. 4—A Fellow shall at the time of transfer be at least 40 years of age and shall be a Member actively engaged in the electrical field (temporary unemployment excepted). He shall have had at least 15 years of active experience and shall have been in good standing in Member grade for at least 10 consecutive years immediately prior to the date of proposal for transfer to Fellow and shall qualify under paragraph "a" or "b" of this section. A person who at the time of admission to the grade of Member held in good standing in a cognate electrical engineering society of national scope in any country a grade of membership for which the qualifications indicate a standing equivalent to that required for

the grade of Member herein, may have such years of prior membership in that equivalent grade to a maximum of nine considered as a part of the requisite ten years in Member grade.

- a. He shall have attained distinction in the design, construction, manufacture or operation of important electrical work or products or in the teaching of a major course in electrical engineering or science in an educational institution whose curriculum is approved by the Board of Directors, and as a measure of such accomplishment he shall have been in responsible charge of such work for at least five years.
- b. He shall have attained distinction by reason of inventions, original work in electrical science, arts, or literature, or as an engineering executive of electrical engineering work of large scope, or the application of electricity to important engineering projects.



# American Institute of Electrical Engineers

33 West 39th Street

New York 18, N. Y.



.....June 8., 1956.....

Mr. C. T. Hatcher.....  
Consolidated Edison Co. of N.Y., Inc.  
4 Irving Place  
New York 3, N.Y.



Dear Sir: A proposal for transfer to the grade of FELLOW in the American Institute of Electrical Engineers has been submitted on behalf of the person whose name appears below, and your name is given as one of the five references required by our Constitution, excerpts from which appear on the reverse side of this form.

For the confidential information of our Board of Examiners, will you kindly reply to the following inquiries and return this form as promptly as convenient in the enclosed envelope.

Name of Applicant:

Very truly yours,

Luigi Pancrazio Emanuelli.....  
Vice Chairman, Board of Directors &  
Consulting Engineer  
Pirelli, S.P.A., Milano, Italy

*M. S. Hilborn*  
Secretary.

### READ NEW REQUIREMENTS ON REVERSE BEFORE ANSWERING THESE QUESTIONS

For how long a period have you personally known the applicant?.....30 Years.....

Are you of the opinion that (a) his character is such that if transferred he will prove a creditable FELLOW of the Institute, and that (b) he meets the other constitutional requirements for the grade of FELLOW?

(a) .....Yes..... (b) .....Yes.....

Kindly state instances within your personal knowledge of work performed by the applicant which renders service to electrical engineering or electrical science and your opinion of such work. Also, please indicate your own company, title, and in what way you are associated with the applicant i.e.: are you his employer, his employee, a co-worker, etc.....

Mr. Emanuelli is known throughout the world as one of the foremost engineers in the development of high voltage cables. He was the designer of the highly successful low pressure oil-filled cable system which has been extensively used in all parts of the world. At the present time, he is actively engaged

Statement may be continued on back of this form.

NOTE: If you desire the applicant's record before replying, please check here and return this form. . . .

.....  
SIGNED

July 17, 1956

.....  
DATE



NAME: If you desire the address of the member...

SIGNED

in the administrative affairs of the Pirelli Company.

I am Division Engineer, Consolidated Edison Company of New York, Inc. and have had the pleasure of working with Mr. Emanuelli as a purchaser of their products and in the inter-change of engineering information. It gives me great pleasure to sponsor his transfer to the grade of Fellow.

(S)

(P)

Name of Member

Name of the organization (S) his certificate is such that it is considered as being in accordance with the provisions of the constitution...

For how long a period shall the member be recommended for the grade of Fellow?

REPLY HERE TO THE QUESTIONS ON REVERSE BEFORE ANSWERING THESE QUESTIONS

Name of Member

Name of the organization

Name of Member

Name of Member

Following members and their names as brought to the attention of the committee...

Date July 17, 1956 Signed

[Handwritten Signature]

EXTRACTS from the CONSTITUTION

Qualifications for grade of Fellow

SEC. 4—A Fellow shall at the time of transfer be at least 40 years of age and shall be a Member actively engaged in the electrical field (temporary unemployment excepted). He shall have had at least 15 years of active experience and shall have been in good standing in Member grade for at least 10 consecutive years immediately prior to the date of proposal for transfer to Fellow and shall qualify under paragraph "a" or "b" of this section. A person who at the time of admission to the grade of Member held in good standing in a cognate electrical engineering society of national scope in any country a grade of membership for which the qualifications indicate a standing equivalent to that required for

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# American Institute of Electrical Engineers

33 West 39th Street

New York 18, N. Y.



June 8, 1956

Mr. R. J. Wiseman  
The Okonite Company  
Passaic, New Jersey



Dear Sir: A proposal for transfer to the grade of FELLOW in the American Institute of Electrical Engineers has been submitted on behalf of the person whose name appears below, and your name is given as one of the five references required by our Constitution, excerpts from which appear on the reverse side of this form.

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Name of Applicant:

Very truly yours,

Luigi Pancrazio Emanuelli  
Vice Chairman, Board of Directors &  
Consulting Engineer  
Pirelli, S.P.A. Milano, Italy

*M. S. Hilborn*  
Secretary.

### READ NEW REQUIREMENTS ON REVERSE BEFORE ANSWERING THESE QUESTIONS

For how long a period have you personally known the applicant? ..... Since 1924 .....

Are you of the opinion that (a) his character is such that if transferred he will prove a creditable FELLOW of the Institute, and that (b) he meets the other constitutional requirements for the grade of FELLOW?

(a) ..... Yes ..... (b) ..... Yes .....

Kindly state instances within your personal knowledge of work performed by the applicant which renders service to electrical engineering or electrical science and your opinion of such work. Also, please indicate your own company, title, and in what way you are associated with the applicant i.e.: are you his employer, his employee, a co-worker, etc.....

I have known Dr. Emanuelli since 1924. Since then, I have met him many times in Milan and I have had considerable correspondence with him. He is recognized as the outstanding cable engineer in the world, having developed the low pressure oil-filled cable system, which has made

Statement may be continued on back of this form.

NOTE: If you desire the applicant's record before replying, please check here and return this form. . . .

SIGNED

DATE

*Fellow*



successful transmission of high tension electric power by means of electric cables. He has many patents pertaining to the electric cable art and has lectured on the subject of electric cables. It is with great pleasure that I endorse his transfer to the grade of Fellow. It should have been done years ago.

(S) \_\_\_\_\_ (P) \_\_\_\_\_

Board of Directors  
 for the year ending \_\_\_\_\_

BY THE BOARD OF DIRECTORS

Secretary

Date July 17, 1956

Signed *Robert Wiseman*

EXTRACTS from the CONSTITUTION

Qualifications for grade of Fellow

SEC. 4—A Fellow shall at the time of transfer be at least 40 years of age and shall be a Member actively engaged in the electrical field (temporary unemployment excepted). He shall have had at least 15 years of active experience and shall have been in good standing in Member grade for at least 10 consecutive years immediately prior to the date of proposal for transfer to Fellow and shall qualify under paragraph "a" or "b" of this section. A person who at the time of admission to the grade of Member held in good standing in a cognate electrical engineering society of national scope in any country a grade of membership for which the qualifications indicate a standing equivalent to that required for

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