



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK, N. Y.

Nov. 13, 1933

Mr. R. E. Hellmund
Westinghouse Elec. & Mfg. Co.,
East Pittsburgh, Pa.



To avoid delay in consideration
of this application, please return the
form promptly. Typewritten copy
preferred.

Dear Sir:

An application for transfer to the grade of FELLOW in this Institute, under Clause(s) A
of Sec. 4 of the Constitution (see back of this form), has been filed by

Arthur P. M. Fleming, Director of Research and Education
Metropolitan Vickers Electrical Co. Ltd.,
Manchester, England.

who has referred to you as having personal knowledge of his qualifications and experience.

For the confidential information of the Board of Examiners will you kindly reply to the following inquiries?

Very truly yours,

Acting National Secretary

(See qualifications for the grade of Fellow, printed on the back of this form)

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

Ten or twelve 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 important work in the field of electrical engineering or the allied arts performed by the applicant, and your opinion of such work.

I have been acquainted with Mr. Fleming for ten or twelve years and, through an exchange arrangement existing between the Metropolitan-Vickers and the Westinghouse Elec. & Mfg. Company until a few years ago, I have had frequent contact with him. During all this time, Mr. Fleming was in charge of the Research Department and other important activities of the M-V. Company and was the leading spirit in a great many research activities carried on by his company, as well as in many national association,

Date _____ Signed _____

Statement may be continued on the back of this form.

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

commission, and committee activities in England Without question, he has proven himself qualified for having responsible charge of important electrical work.

Mr. Fleming's contributions to electric science and electric literature are numerous. He has read papers before the Institution of Electrical Engineers, the World Power Conference, the British Association for the Advancement of Science, Assoc. of Technical Institutes, Manchester Assoc. of Engineers, Institute of Engineers & Shipbuilders in Scotland, International Mathematical Congress, Canada, Institute of Physics, etc., etc.

Mention might also be made of his books, as follow: "Engineering as a Profession," "Principles of Apprentice Training," "Insulation & Design of Electrical Windings,"
Date 12/20/33 Signed P. E. Fleming
"History of Engineering," and "Principles of Industrial Administration."

EXTRACTS FROM CONSTITUTION

Fellow

SEC. 4. A Fellow shall be not less than thirty-two years of age and shall be either:

a. An electrical engineer by profession. As such he shall be qualified to design and to take responsible charge of important electrical work; he shall have been in the active practise of his profession for at least ten years, and shall have had responsible charge of important electrical work for at least three years.

When the applicant holds in a principal national society of an allied branch of engineering, membership of a grade for which the qualifications indicate a standing equal to that required for the grade of Fellow herein, such membership shall be considered equivalent to five of the requisite ten years of active practise of the electrical profession.

b. A professor of electrical engineering or of electrical science. As such he shall have attained special distinction as an expounder of the principles of electrical science and of electrical engineering; he shall have had at least ten years' experience as a teacher of electrical subjects, and shall have had responsible charge for three years, in an electrical course of a principal school of engineering. Any years of experience as defined in paragraph "a" that the applicant may have had as an electrical engineer shall be considered the equivalent of the same number of years of experience as a "teacher of electrical subjects."

c. A person who has done notable original work in electrical science of a character to give him a recognized standing equivalent to that required for Fellows under paragraphs "a" and "b."

d. A person regularly engaged in electrical work for at least ten years, who, by inventions or by special proficiency in contributions to electrical science or the electrical arts or electrical literature has attained a standing equivalent to that required for Fellows under paragraphs "a" and "b."

Qualifications for the grade of Fellow.

SEC. 5. A Member shall be not less than twenty-seven years of age, and shall be either:

a. An electrical engineer by profession. As such, under general direction, he shall have designed and taken responsibility for important electrical engineering work; he shall have been in the active practise of his profession for at least five years.

When the applicant holds in a principal national society of an allied branch of engineering, membership of a grade for which the qualifications indicate a standing equal to that required for the grade of Member herein, such membership shall be considered equivalent to two and one-half years of the requisite five years in active practise of the electrical profession.

b. A teacher of electrical engineering or of electrical science. As such, under general direction, he shall have taken responsibility for instruction in electrical subjects in a school of recognized standing; he shall have been in the active practise of his profession for at least five years. Any years of experience as defined in paragraph "a" that the applicant may have had as an electrical engineer, shall be considered the equivalent of the same number of years of experience as a "teacher of electrical subjects."

c. A person regularly employed in electrical or closely allied work for at least five years, who, by inventions or by proficiency in electrical science, the electrical arts, or electrical literature, or as an executive of an electrical enterprise of large scope, has attained a standing equivalent to that required for Members under paragraphs "a" and "b." In the case of such an executive the applicant must be qualified to take responsible charge of the broader features of electrical engineering involved in the work under his direction.

Qualifications for the grade of Member.

NOV 18 1933

Form 138-1000-9-32

Transfer No. 6681



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK, N. Y.

Nov. 13, 1933

Prof. D. C. Jackson
Mass. Inst. of Tech.,
Cambridge A, Mass.

To avoid delay in consideration
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form promptly. Typewritten copy
preferred.

Dear Sir:

An application for transfer to the grade of FELLOW in this Institute, under Clause(s) A
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Manchester, England.

who has referred to you as having personal knowledge of his qualifications and experience.

For the confidential information of the Board of Examiners will you kindly reply to the following inquiries?

Very truly yours,

H. H. Henline

Acting National Secretary

(See qualifications for the grade of Fellow, printed on the back of this form)

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

Many 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 important work in the field of electrical
engineering or the allied arts performed by the applicant, and your opinion of such work.

Dr. Fleming has had a broad experience in industry in this country and his home in England,
and has held numerous posts on British governmental committees pertaining to industry and
education. Since 1912 he has been a lecturer at the City and Guilds Engineering College,
University of London, and is the author of several books and articles.

As Director of Research and Education of the Metropolitan-Vickers Electric Co. he has
introduced new methods that have been of great service to the electrical industries in
Great Britain.

Date November 16, 1933.

Signed

Dugald C. Jackson

Statement may be continued on the back of this form.

Fellow

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and return this form.

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AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK, N. Y.

Nov. 13, 1933

Dr. F. B. Jewett
195 Broadway
New York, N.Y.



To avoid delay in consideration
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Dear Sir:

A

An application for transfer to the grade of FELLOW in this Institute, under Clause(s) _____
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Very truly yours,

Acting National Secretary

(See qualifications for the grade of Fellow, printed on the back of this form)

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

Over fifteen 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 important work in the field of electrical
engineering or the allied arts performed by the applicant, and your opinion of such work.

Mr. Fleming has for years been an outstanding figure in
British engineering circles, both as an engineer and a
director of engineering enterprises. For a number of years
he has specialized in insulation research and design. I
consider Mr. Fleming's contributions to electrical engineering
of a high order. He has also been active and prominent in the
affairs of the Institution of Electrical Engineers.

Date Nov 22 33

Signed F. B. Jewett

Statement may be continued on the back of this form.

Fellow

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AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK, N. Y.

Nov. 13, 1933



Prof. C. F. Scott
Yale University
New Haven, Conn.

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Dear Sir:

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Very truly yours,

Acting National Secretary

(See qualifications for the grade of Fellow, printed on the back of this form)

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

Since 1900-1902 when he was with WECo at East Pittsburgh

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 important work in the field of electrical
engineering or the allied arts performed by the applicant, and your opinion of such work.

As Research Engineer and Writer he ranks high
A man of ability and high caliber.

Date Nov 14 '33 Signed H. H. Henline

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Fellow



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK, N. Y.



Nov. 13, 1933

Dr. Clayton H. Sharp
294 Fisher Ave.,
White Plains, N.Y.

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For the confidential information of the Board of Examiners will you kindly reply to the following inquiries?

Very truly yours,

Acting National Secretary

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

Over 10 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 important work in the field of electrical engineering or the allied arts performed by the applicant, and your opinion of such work.

I have known of his outstanding work as Director of Research of
Metco-Vic Co. Also of his publications on engineering

Date Nov. 14 Signed Clayton H. Sharp Fellow

Statement may be continued on the back of this form.

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