

JUN 20 1932



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS
33 WEST 39TH STREET, NEW YORK, N. Y.

June 15, 1932

Mr. O. B. Coldwell
General Electric Co.,
Portland, Oregon

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

Dear Sir:

B

An application for transfer to the grade of FELLOW in this Institute, under Clause(s) of Sec. 4 of the Constitution (see back of this form), has been filed by
Fred O. McMillan, Research Prof. of Elec. Engg.,
Oregon State College
Corvallis, Oregon

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,

J. L. Hutchinson
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?

At least 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) I am.

(b) I am.

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.

He has been concerned with a great number of research problems. Has made studies of the electrical fish screen upon which he has written a bulletin. Has made a number of studies of insulators, with particular reference to radio interference. Among articles written by him are the following:

(over)

Date June 28, 1932.

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.

"Corona Related to Failure of Cable Terminals"

F. O. McMillan and S. B. Clark

Electrical World,
V. 92, Sept. 8, 1932, p. 453.

"The Influence of Polarity on High-Voltage

Discharges" -- F. O. McMillan and E. C. Starr

Journal A.I.E.E., v 49,
Oct., 1930, p. 859.

"Radio Interference from Insulator Corona"

F. O. McMillan

Electrical Engineering,
(formerly Jr., A.I.E.E.)
V. 51, Jan., 1932, p. 3.

Date

June 28, 1932

Signed

O. B. Coldwell

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.



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS
33 WEST 39TH STREET, NEW YORK, N. Y.

June 15, 1932

Prof. R. H. Dearborn
Oregon State College
Corvallis, Oregon

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) B of Sec. 4 of the Constitution (see back of this form), has been filed by

Fred O. McMillan, Research Prof. of Elec. Engg.,
Oregon State College,
Corvallis, Oregon

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,

F. L. Hutchinson
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?

12 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.

Radio interference investigation for N.E.L.A.
Investigation for Fisheries Dept. U.S.A.
" of lightning for U.S. Forest Service

Date June 21 - 1932 Signed R.H. Dearborn

Statement may be continued on the back of this form.

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Follow



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS
33 WEST 39TH STREET, NEW YORK, N. Y.

June 15, 1932

Mr. John B. Fisker
Washington Water Power Co.,
Spokane, Wash.

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) B of Sec. 4 of the Constitution (see back of this form), has been filed by
Fred O. McMillan, Research Prof. of Elec. Engg.,
Oregon State College
Corvallis, Oregon

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,

F. L. Hutchinson
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?

Five or six 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.

He has been engaged for several years in a study of pin type insulators with a view to developing remedial measures to prevent inductive interference with communication lines. This work is being done on behalf of the N.E.E.A.

Date June 24, 1932 Signed John B. Fisker

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.

Fellow

JUN 27 1932



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS
33 WEST 39TH STREET, NEW YORK, N. Y.

June 15, 1932

Mr. G. E. Quinan
Puget Sound Power & Light Co.,
Seattle, Wash.

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

Dear Sir:

B

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

Fred O. McMillan, Research Prof. of Elec. Engg.,
Oregon State College,
Corvallis, Oregon

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,

F. L. Hutchinson
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?

Eight or ten 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.

His study of transmission line interference with radio reception and recommendations for its minimization as published by the N.E.E.A. is the

Date *June 22 1932* Signed *G. E. Quinan*

Statement may be continued on the back of this form.

Fellow

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most important work done there far in this field.



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS
33 WEST 39TH STREET, NEW YORK, N. Y.

June 15, 1932

Mr. E. D. Searing
Portland General Elec. Co.,
Portland, Oregon

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

Dear Sir:

b

An application for transfer to the grade of FELLOW in this Institute, under Clause(s) of Sec. 4 of the Constitution (see back of this form), has been filed by
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who has referred to you as having personal knowledge of his qualifications and experience.

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Very truly yours,

F. L. Hutchinson
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?

between 10 and 15 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.

Has conducted original research and developed electric fish screens in conjunction with work at Oregon State College, National Electric Light Association and U.S. Department of Fisheries.

Has conducted high tension laboratory tests in investigation of insulators at Oregon State College.

Date June 20, 1932.

Signed

E. D. Searing

Fellow

Statement may be continued on the back of this form.

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