



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

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



June 4, 1926

Mr. John B. Fisken,  
Box 2158,  
Spokane, Washington.

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 MEMBER in this Institute, under Clause(s) A and B of Sec. 5 of the Constitution (see back of this form), has been filed by

Fred Orville McMillan, Associate Professor of Electrical Engineering  
Oregon State Agricultural 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 Member, printed on the back of this form).

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

*I have known him for about four years*

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

(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.

*Construction and arranged of apparatus for making the test, and the testing of insulators up to 60K.V. nominal capacity*

Date *June 21, 1926* Signed *John B. Fisken*  
Statement may be continued on the back of this form.

Follow

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



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

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

June 4, 1926



Mr. O. B. Coldwell,  
504 Spring Street,  
Portland, 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 **MEMBER** in this Institute, under Clause(s) A and B of Sec. 5 of the Constitution (see back of this form), has been filed by  
Fred Orville McMillan, Associate Professor of Electrical Engineering  
Oregon State Agricultural 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 Member, printed on the back of this form).

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

*About 5 years*

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

(a) *I am* (b) *He does*

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 made an enviable record in his field as an instructor and professor.*

Date *June 15* Signed *O B Coldwell*  
Statement may be continued on the back of this form. Follow

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





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

June 4, 1926



Mr. George E. Quinan,  
Box 1879,  
Seattle, Washington.

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 **MEMBER** in this Institute, under Clause(s) A and B of Sec. 5 of the Constitution (see back of this form), has been filed by

Fred Orville McMillan, Associate Professor of Electrical Engineering  
Oregon State Agricultural 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. Hutchinsay*  
National Secretary.

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

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

*About four years*

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

(a) *yes* (b) *yes - clause (b) 1*

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 work as a teacher and tests conducted by him on H.T. line insulators on behalf of the overhead systems committee of N.W. Electric & Power Assoc.*

Date *June 28 '26* Signed *G. E. Quinan*

Statement may be continued on the back of this form.

**Fellow**

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



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

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



June 4, 1926

Mr. W. A. Hillebrand, Ohio Insulator Company, Barberton, Ohio.

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 MEMBER in this Institute, under Clause(s) A and B of Sec. 5 of the Constitution (see back of this form), has been filed by

Fred Orville McMillan, Associate Professor of Electrical Engineering Oregon State Agricultural 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. Hutchison National Secretary.

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

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

Nearly fifteen years.

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

(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 can not refer to specific instances but from personal acquaintance I know that he occupies a recognized position among the engineering profession of the Pacific Northwest. He has been responsible for the

Date June 9, 1926 Signed W. A. Hillebrand

Statement may be continued on the back of this form.

Member

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design and management of the Oregon Agricultural College electrical engineering laboratories for instruction and high voltage testing and for some years has had charge of a program of high voltage testing for the Northwest Geographic Division of the N.E.E.A.

Date June 9, 1926 Signed W. A. Hillbrand

### EXTRACTS FROM CONSTITUTION

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 practice 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 practice of the electrical profession.

b. A teacher of electrical engineering or of electrical science. As a teacher of electrical subjects he shall have had at least five years' experience in a school of recognized standing. Any years of experience 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 engineering or of electrical science."

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

SEC. 6. An Associate shall be not less than twenty-one years of age, and shall be either:

a. An electrical engineer by profession.

b. A teacher of electrical subjects.

c. A person who is qualified to fill a subordinate position in engineering work, or who is identified, in a responsible capacity, with an electrical enterprise.

Qualifications for the grade of Associate



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

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



June 4, 1926

Mr. H. H. Schoolfield,  
Pacific Power & Light Company,  
Portland, 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 MEMBER in this Institute, under Clause(s) A and B of Sec. 5 of the Constitution (see back of this form), has been filed by

Fred Orville McMillan, Associate Professor of Electrical Engineering  
Oregon State Agricultural 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 Member, printed on the back of this form).

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

5 1/2 5 years

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

(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. McMillan has been Associate Professor of Electrical Engineering at the

Oregon State Agricultural College for a number of years and his duties have required a thorough knowledge of electrical engineering, especially in high tension laboratory work. He has to my knowledge had personal supervision and complete responsibility for a very considerable amount of high tension testing work, especially insulator

Date Signed

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testing. The O.A.C. undertook about three years ago to make a series of tests on various types of insulators, using the A.I.E.E. testing specifications as a basis. This work was all under the direct supervision and responsibility of Mr. McMillan and required considerable number of changes in the laboratory equipment in order to meet the institute specification requirements. The design and arrangement of adequate testing facilities was handled entirely by Mr. McMillan and especially the design of a piece of laboratory equipment for obtaining the strength of insulators when subjected to simultaneous mechanical and electrical stresses. I would not hesitate to recommend Professor McMillan's transfer to the grade of Member.

Date June 29, 1926

Signed



Member

## EXTRACTS FROM CONSTITUTION

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 practice 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 practice of the electrical profession.

b. A teacher of electrical engineering or of electrical science. As a teacher of electrical subjects he shall have had at least five years' experience in a school of recognized standing. Any years of experience 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 engineering or of electrical science."

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

SEC. 6. An Associate shall be not less than twenty-one years of age, and shall be either:

a. An electrical engineer by profession.

b. A teacher of electrical subjects.

c. A person who is qualified to fill a subordinate position in engineering work, or who is indentified, in a responsible capacity, with an electrical enterprise.

Qualifications for the grade of Associate



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

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

June 4, 1926

Mr. C. W. Fick,  
General Electric Company,  
Portland, 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 MEMBER in this Institute, under Clause(s) A and B of Sec. 5 of the Constitution (see back of this form), has been filed by Fred Orville McMillan, Associate Professor of Electrical Engineering Oregon State Agricultural 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 Member, printed on the back of this form).

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

*Twelve years.*

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

(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. McMillan's most distinctive work has been the laying out and building of a high voltage testing laboratory at Corvallis, and his study of insulators.*

Date *June 11, 1926* Signed *C. W. Fick* Member

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.







AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

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



June 4, 1926

Mr. R. H. Dearborn,  
Oregon Agricultural 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 **MEMBER** in this Institute, under Clause(s) A and B of Sec. 5 of the Constitution (see back of this form), has been filed by  
Fred Orville McMillan, Associate Professor of Electrical Engineering  
Oregon State Agricultural 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 Member, printed on the back of this form).

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

*Four years*

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

(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.

*Excellent work in the field of teaching  
electrical engineering, directing thesis  
work and investigation of insulator  
characteristics*

Date *June 12-26* Signed *R. H. Dearborn*

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.

Member



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

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



June 4, 1926

Mr. E. J. Des Camp, 6012 - 32nd Avenue, N. E. Seattle, Washington.

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 MEMBER in this Institute, under Clause(s) A and B of Sec. 5 of the Constitution (see back of this form), has been filed by

Fred Orville McMillan, Associate Professor of Electrical Engineering Oregon State Agricultural 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 Member, printed on the back of this form).

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

About 4 or 5 years.

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

(a) I am (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.

Professor McMillan served with me on the overhead systems committee of the Northwest Electric Light and Power Association for three years, and during that time conducted all the tests for

Date Signed

Statement may be continued on the back of this form.

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standardization of insulator and line material ratings for that organization.

He has been an assistant professor of electrical engineering during that time and surely would be entitled to full membership grade.

Date

June 15

Signed

E. J. DesCamp

### EXTRACTS FROM CONSTITUTION

Member

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 practice of his profession for at least five years.

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Qualifications for the grade of Member

SEC. 6. An Associate shall be not less than twenty-one years of age, and shall be either:

a. An electrical engineer by profession.

b. A teacher of electrical subjects.

c. A person who is qualified to fill a subordinate position in engineering work, or who is identified, in a responsible capacity, with an electrical enterprise.

Qualifications for the grade of Associate