

American Institute of Electrical Engineers

33 West 39th Street

New York, N. Y.

Jan. 28, 1941 193

Mr. O. B. Blackwell

Dear Sir: An application has been filed 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), for the person whose name appears below. 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,

D. A. Quarles, Director of Transmission Development
Bell Tel. Labs.

H. H. Henline
National Secretary

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

About 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 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 in close touch with Mr. Quarles' work, especially when he was in charge of outside plant development for the Bell Telephone Laboratories. His work along that line was considered outstanding. He has been particularly successful as an engineering leader in charge of sizeable groups of engineers.

His work in outside plant development and his present work as Director of the Transmission Development Department of the Bell Telephone Laboratories, which department is responsible for developments of tremendous importance, such as the coaxial transmission system, qualify him fully to be a Fellow of the A.I.E.E.

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

SIGNED *O. B. Blackwell*

DATE February 4, 1941 Fellow

American Institute of Electrical Engineers

33 West 39th Street

New York, N. Y.



Jan. 28, 1941 193

Mr. A. B. Clark

Dear Sir: An application has been filed for transfer to the grade of FELLOW in this Institute, under Clause(s) of Sec. 4 of the Constitution (see back of this form), for the person whose name appears below. 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,

D. A. Quarles, Director of Transmission
Development
Bell Tel. Labs.

H. H. Henline
National Secretary

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

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

Mr. Quarles has been in Bell Telephone Laboratories more than 20 years, during which time he has had charge of much important development work, holding at various times titles of Apparatus Inspection Engineer, Assistant Director of Apparatus Development and Outside Plant Development Director. At present he is Director of Transmission Development and has charge of a department consisting of 175 engineers and assistants.

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

SIGNED

February 3, 1941.

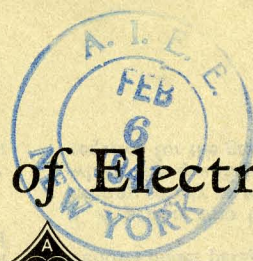
DATE

Fellow

American Institute of Electrical Engineers

33 West 39th Street

New York, N. Y.



Jan. 28, 1941

193

Mr. R. L. Jones
463 West St.,
New York, N.Y.

Dear Sir: An application has been filed 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), for the person whose name appears below. 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,

D. A. Quarles, Director of Transmission
Development
Bell Tel. Labs.

H. H. Henline

National Secretary

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

About twenty 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.

For the past twenty years Mr. Quarles has been one of my intimate business and professional associates. I am very familiar with his work and it is most outstanding. During the early '20's he made contributions to our quality control philosophies and procedures, and while he was in charge of the Outside Plant Department

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of the Laboratories he not only was an inspiring leader but he also made many technical contributions which have found their way into the plant practices of the Bell System. In my judgment, he is a very outstanding engineer with fine technical judgment, and has coupled with it brilliant personality and power of leadership. He is eminently qualified to become a Fellow of the Institute and probably should have become one long since.

Date February 5, 1941 Signed

Raymond D. Jones
Fellow

EXTRACTS from the CONSTITUTION

ARTICLE II

Qualifications for grade of 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; and he shall have been in good standing in the grade of Member for a period of at least five years immediately preceding the date of application for Fellow grade.

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.

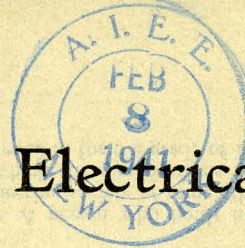
b. A professor of electrical engineering or of electrical science. As such he shall have attained special distinction as an expounder

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." He shall have been in good standing in the grade of Member for a period of at least five years immediately preceding the date of application for Fellow grade.

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."

e. A person who holds in a principal national electrical engineering society of some other country membership of a grade for which the qualifications indicate a standing equivalent to that required for the grade of Fellow under "a" and "b."



American Institute of Electrical Engineers

33 West 39th Street

New York, N. Y.



Jan. 28, 1941 193

Mr. B. W. Kendall

Dear Sir: An application has been filed 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), for the person whose name appears below. 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,

D. A. Quarles, Director of Transmission
Development
Bell Tel. Labs.

H. H. Henline
National Secretary

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

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

Mr. Quarles came into the Bell System at the end of 1919 and began work at once in the Transmission Department. After a few years he became a supervisor over a small group in this department. During this time he showed his ability as a transmission engineer in a way which frequently came to my attention in connection with my work in charge of the development of telephone repeaters and carrier systems in the Systems Development Department. This work was followed by about 5 years in which

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he was in charge of inspection engineering. Following this he had charge for about 11 years of the Outside Plant Development Department. Among other things which he handled in this work was the development of lead-covered cable and coaxial cable structures, and a year ago he took charge of the development of carrier, coaxial and repeater systems in the Systems Development Department. Mr. Quarles has thus had a very broad experience in telephone engineering and has been a very successful supervisor in a number of branches of the art. He has shown great ability and clarity in the problems he has handled, and I believe you will be amply justified in transferring him to the grade of Fellow.

Date February 7, 1941 Signed

B. W. Kendall

Fellow

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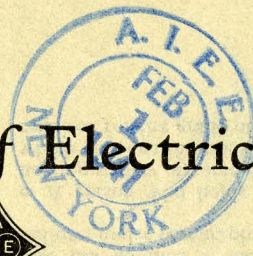
b. A professor of electrical engineering or of electrical science. As such he shall have attained special distinction as an expounder

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TRANSFER No. 8293

American Institute of Electrical Engineers

33 West 39th Street

New York, N. Y.



Jan. 28, 1941
.....193.....

Mr. H. H. Lowry

Dear Sir: An application has been filed 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), for the person whose name appears below. 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,

D. A. Quarles, Director of Transmission
Development
Bell Tel. Labs.

H. H. Henline
National Secretary

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

I have known the applicant about 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 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 closely associated with the applicant in his work in charge of Apparatus Inspection Engineering and as head of the Outside Plant Development of the Bell Telephone Laboratories. As an associate of Mr. Quarles during this period I have been familiar with the contributions he has made to the

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SIGNED
DATE

development of new and improved materials and designs and methods
of conducting inspection and development work. In my opinion,
his work fully qualifies him as a FELLOW of the Institute.

Date January 30, 1941. Signed

M. H. Newmyer
Fellow

EXTRACTS from the CONSTITUTION

ARTICLE II

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