Transfer No. 8293

# American Institute of Electrical Engineers

33 West 39th Street

Form 138-1000-8-38

New York, N. Y.

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Dear Sir: An application has been filed for transfer to under Clause(s) of Sec. 4 of the Conperson whose name appears below. Your name is given our Constitution, excerpts from which appear on the rev	stitution (see back of this form), for the as one of the five references required by
For the confidential information of our Board of following inquiries and return this form as promptly as	
Name of Applicant Very	truly yours,
D. A. Quarles, Director of Transmission  Bevelopment  Bell Tel. Labs.	H. H. Henline National Secretary
For how long a period have you personally known the About 20 years.	applicant?
Are you of the opinion that (a) his character is such the FELLOW of the Institute, and that (b) he meets the	at if transferred he will prove a creditable
grade of FELLOW?	
grade of FELLOW?	other constitutional requirements for the
grade of FELLOW?	Yes of important work in the field of elec-
(a) Yes (b) Kindly state instances within your personal knowledge	Yes  of important work in the field of electroplicant, and your opinion of such work.  Ar. Quarles' work, especially at development for the Belliong that line was considered by successful as an engineering of engineers.  ment and his present work as ment Department of the Bell Tell is responsible for development of coaxial transmission system,

DATE

February 4,

# American Institute of Electrical Engineers

33 West 39th Street

Form 138-1000-8-38

New York, N. Y.

Jan. 28, 1941 193
Mr. A. B. Clark
THE CONTROL OF MENTS OF A STREET OF
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.  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

DATE

# American Institute of Electrical Engineers

33 West 39th Street	New York, N. Y.
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	Jan. 28, 1941 193
Mr. R. L. Jones 463 West St., New York, N.Y.	a section grade  a consequent who has done denotes another rest to sixteen a  a section grade.
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under Clause(s)of Sec. 4	r transfer to the grade of FELLOW in this Institute, of the Constitution (see back of this form), for the me is given as one of the five references required by
	Board of Examiners, will you kindly reply to the promptly as convenient in the enclosed envelope.
Name of Applicant	Very truly yours,
D. A. Quarles, Director of Transmis  Development  Bell Tel. Labs.	H. H. Henline National Secretary
For how long a period have you personally	known the applicant?
About twenty years	
	er is such that if transferred he will prove a creditable meets the other constitutional requirements for the
(a) Yes All A Market And A Mark	(b) Yes
Kindly state instances within your personal trical engineering or the allied arts performe	knowledge of important work in the field of elec- d 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 asso	ociates. I am very familiar with
his work and it is most outsta	anding. During the early '20's
ne made contributions to our o	quality control philosophies and pro-
	charge of the Outside Plant Departmen
Note: If you desire the applicant's record before replying, please check here and return this form	SIGNED

DATE

Form 138-1000-8-38

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. griald Date February 5. 1941

## 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."

Transfer No. 8293

# American Institute of Electrical Engineers

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	ard of Examiners, will you kindly reply to the
following inquiries and return this form as pror	
Name of Applicant	Very truly yours,
	11 11 11 1
D. A. Quarles, Director of Transmission Development	n H. H. Henline National Secretary
Bell Tel. Labs.	
For how long a period have you personally know	vn the applicant?
About 20 years.	
Are you of the opinion that (a) his character is FELLOW of the Institute, and that (b) he med grade of FELLOW?	
(a) Yes	(b) Yes
Kindly state instances within your personal knot trical engineering or the allied arts performed by	owledge of important work in the field of elec-
Mr. Quarles came into 1919 and began work at once in t	the Bell System at the end of the Transmission Department.
After a few years be became a su this department. During this ti	pervisor over a small group in
transmission engineer in a way wattention in connection with my	which frequently came to my work in charge of the development
ment Department. This work was	er systems in the Systems Develop- followed by about 5 years in which
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Date February 7, 1941	Signed	go rend	ell.	
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(a) Yes (b) Y	es
Kindly state instances within your personal knowledge of imperical engineering or the allied arts performed by the applicant,	portant work in the field of elec-
I have been closely associated with the	applicant in his
work in charge of Apparatus Inspection En	gineering and as head
of the Outside Plant Development of the Bo	ell Telephone Labora-
tories. As an associate of Mr. Quarles di	uring this period
I have been familiar with the contribution	ns he has made to the
Note: If you desire the applicant's signed record before replying, please check here and return this form	

DATE

development of new and improved materials and designs and method	S
of conducting inspection and development work. In my opinion,	
his work fully qualifies him as a FELLOW of the Institute.	
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Date January 30, 1941. Signed	

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