

JAN 31 1931



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

January 16, 1931

Mr. E. H. Everit  
Southern New England Telephone Co.,  
New Haven, Conn.

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  
William H. Harrison, Plant Engineer  
American Tel. & Tel. Co.,  
New York, N.Y.

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?

*About twenty (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 Mr. Harrison in connection with Bell System engineering work and have the greatest respect for his knowledge and achievements. He is one of the outstanding young men at 195 Broadway. I unhesitatingly recommend his transfer.*

Date *Jan 29th 1931* Signed *E. H. Everit*

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.

JAN 22 1931



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

January 16, 1931

Mr. F. J. Chesterman  
The Bell Telephone Co. of Pa.,  
416 Seventh Ave.,  
Pittsburgh, Pa.

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

Dear Sir:

A

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 William H. Harrison, Plant Engineer American Tel. & Tel. Co., New York, N.Y.

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?

About 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.

1909-1915 - Telephone and telegraph repair and installation work.  
1915-1919 - Telephone circuit design work.  
1919-1924 - Telephone maintenance engineering work.  
1924-1928 - Equipment and Building Engineer, American Telephone and Telegraph Company. In this position he was in general charge of Bell System engineering work as affecting the overall planning, construction and operation of its central office and subscribers' station plant including buildings.

Date Signed

Statement may be continued on the back of this form.

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1928 - Plant Engineer, American Telephone and Telegraph Company.

In this position he is in general charge of the engineering of all phases of the Bell System plant. This involves direction of the overall planning and engineering of the various parts of the Bell System plant including engineering of numerous specific projects. In addition, the work involves the establishment of standards of practice covering construction and maintenance of the different parts of the plant.

Date January 20, 1931.

Signed

*J. P. Deeslorman*

Fellow

## EXTRACTS FROM CONSTITUTION

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.

JAN 22 1937

Transfer No.....



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

January 16, 1931

Mr. C. O. Bickelhaupt  
Southwestern Bell Telephone Co.,  
Atlanta, Ga.

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

Dear Sir:

A

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

William H. Harrison, Plant Engineer  
American Tel. & Tel. Co.,  
New York, N.Y.

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?

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. Harrison, I believe, has been in telephone work since 1909 and during the last fifteen years since I have known him has been in charge of important engineering design, construction engineering

Date ..... Signed .....

Statement may be continued on the back of this form.

(OVER)

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and maintenance engineering work. From 1924 to 1928 he had general charge of all Bell System engineering work having to do with central office and subscribers' station plant, including buildings. Since 1928, as Plant Engineer of the American Telephone and Telegraph Company, he has had general charge of the engineering aspects of all Bell System plant. He has directed the planning and engineering of many large projects, including long distance telephone cables, large buildings and large central office equipment installations. He also directs the establishment of standards of practice for maintenance and construction of the entire Bell System plant.

Date.....

Signed

*C. B. B. B. B. B.*

Fellow

## EXTRACTS FROM CONSTITUTION

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.

JAN 21 1931



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

January 16, 1931

Mr. H. S. Osborne  
American Tel. & Tel. Co.,  
195 Broadway  
New York, N.Y.

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 William H. Harrison, Plant Engineer American Tel. & Tel. Co., New York, N.Y.

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?

Five 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.

As Building and Equipment Engineer of the American Telephone and Telegraph Company and more recently as Plant Engineer of that company. Mr. Harrison has responsible charge of important electrical

Date 20 Jan 1931 Signed H. S. Osborne

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.

work concerned with the design of extensions to telephone plant  
throughout the United States.

Date January 19, 1931.

Signed

## EXTRACTS FROM CONSTITUTION

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."

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Qualifications for the  
grade of Member.



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

January 16, 1931

Mr. L. F. Morehouse  
American Tel. & Tel. Co.,  
195 Broadway  
New York, N.Y.

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  
William H. Harrison, Plant Engineer  
American Tel. & Tel. Co.,  
New York, N.Y.

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?

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.

Following an experience of about 15 years in connection with repair, design, installation, and maintenance work, Mr. Harrison became Equipment Engineer of the American Telephone and Telegraph Company in 1924. He held this position for four years in which position he was in general charge of the overall engineering work for the Bell System, which had to do with

Date \_\_\_\_\_ Signed \_\_\_\_\_

Statement may be continued on the back of this form.

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general planning, construction, and operation of the central office and subscriber's station plant. In 1928 he became Plant Engineer of the A. T. & T. Co., which position he now holds. As Plant Engineer he is in general charge of the overall engineering and all phases of the Bell System plant. The job is one of great responsibility, and I have no hesitation at all in recommending his transfer to the grade of Fellow.

Date January 19, 1931

Signed

*H. Marchant*

## EXTRACTS FROM CONSTITUTION

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.

January 16, 1931

Mr. K. W. Waterson  
American Tel. & Tel. Co.,  
195 Broadway  
New York, N.Y.

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  
William H. Harrison, Plant Engineer  
American Tel. & Tel. Co.,  
New York, N.Y.

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?

*About 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.

*Mr. Harrison is Plant Engineer of the A. T. & T. Co. and in such position is in charge of all Headquarters Staff Plant Engineering*

Date \_\_\_\_\_ Signed \_\_\_\_\_

Statement may be continued on the back of this form.

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work for the whole Bell System - it is a position  
of great responsibility - I am quite familiar  
with Mr. Harrison's work and know it  
to be of high quality - Any number of examples  
could be provided if desired.

Date Jan 23, 1931 Signed R. W. Watson

Fellow

### EXTRACTS FROM CONSTITUTION

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

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Qualifications for the  
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Qualifications for the  
grade of Member.