



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK

May 10, 1915 191

Dr. S.S. Wheeler  
Ampere, N. J.

Dear Sir:

An application for transfer to the grade of FELLOW in this Institute, under Clause(s) <sup>B,C</sup> of Sec. 4 of the Constitution (see back of this form), has been filed by  
Michael I. Pupin  
Professor of Electro-Mechanics  
Columbia University  
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*

Secretary.

KINDLY RETURN THIS FORM PROMPTLY

For how long have you personally known the applicant?

*Since 1878*

Kindly state instances within your personal knowledge of work performed by the applicant and your opinion of same.

*unnecessary*

*One of leading Scientists of America*

*Very fully qualified to be Fellow*

Date

Signed

*J. L. Hutchinson*

In order to avoid unnecessary delay in considering this case, please return this form at your earliest convenience.

Fellow



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK

May 10, 1915 191

Dr. C. T. Hutchinson  
60 Wall Street  
New York, N. Y.

Dear Sir:

An application for transfer to the grade of FELLOW in this Institute, under Clause(s) <sup>B, C</sup> of Sec. 4 of the Constitution (see back of this form), has been filed by  
Michael I. Pupin  
Professor of Electro-Mechanics  
Columbia University  
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*

Secretary.

KINDLY RETURN THIS FORM PROMPTLY

For how long have you personally known the applicant?

*For twenty years, intimately.*

Kindly state instances within your personal knowledge of work performed by the applicant and your opinion of same.

(B) *During his entire career as professor at Columbia,*

(C) *Detailed knowledge at the time of his work in developing the "Pupin" Coil, - the true grandeur of modern telephony.*

Date *11 May*

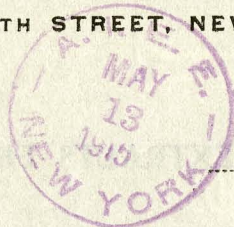
Signed *Carly J. Hutchinson*  
FELLOW

In order to avoid unnecessary delay in considering this case, please return this form at your earliest convenience.



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK



May 10, 1915

191

Dr. Louis Duncan  
50 Church St.  
New York, N. Y.

Dear Sir:

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

Michael I. Pupin  
Professor of Electro-Mechanics  
Columbia University  
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*

Secretary.

KINDLY RETURN THIS FORM PROMPTLY

For how long have you personally known the applicant?

*Over twenty years.*

Kindly state instances within your personal knowledge of work performed by the applicant and your opinion of same.

*Prof. Pupin's work, especially in telephony is well known. He is one of the foremost electricians in the world.*

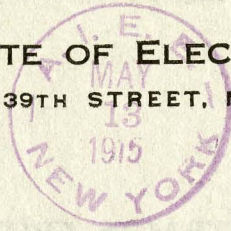
Date *May 12, 1915* Signed *Louis Duncan*

In order to avoid unnecessary delay in considering this case, please return this form at your earliest convenience.



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK



May 10, 1915 191

Mr. Gano Dunn  
43 Exchange Place  
New York, N. Y.

Dear Sir:

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

Michael I. Pupin  
Professor of Electro-Mechanics  
Columbia University  
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*

Secretary.

KINDLY RETURN THIS FORM PROMPTLY

For how long have you personally known the applicant?

27 Years.

Kindly state instances within your personal knowledge of work performed by the applicant and your opinion of same.

I am more or less familiar with all of the contributions Dr. Pupin has made to science and engineering. His work in resonance and in harmonic and wireless telegraphy, together with his work in the analysis of the properties of the electric circuit, including his invention of the loaded circuit, is of an importance and caliber that have by common consent ranked him among the greatest of electrical engineers. I count it an honor to endorse his qualifications for transfer to Fellowship.

Date May 11, 1915.

Signed

*Gano Dunn*

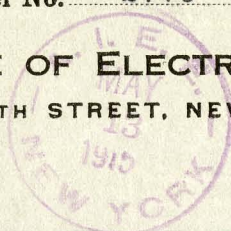
Fellow

In order to avoid unnecessary delay in considering this case, please return this form at your earliest convenience.



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK



May 10, 1915 191

Mr. J. J. Carty  
15 Dey Street  
New York, N. Y.

Dear Sir:

An application for transfer to the grade of FELLOW in this Institute, under Clause(s) <sup>B, C</sup> of Sec. 4 of the Constitution (see back of this form), has been filed by  
Michael I. Pupin  
Professor of Electro-Mechanics  
Columbia University  
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*

Secretary.

KINDLY RETURN THIS FORM PROMPTLY

For how long have you personally known the applicant?

More than twenty-five years.

Kindly state instances within your personal knowledge of work performed by the applicant and your opinion of same.

Please see sheet attached.

Date May 11, 1915.

Signed

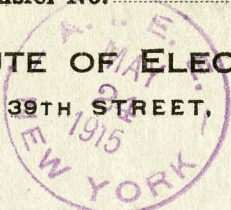
*J. J. Carty*  
Fellow

In order to avoid unnecessary delay in considering this case, please return this form at your earliest convenience.



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK



May 10, 1915

191

Dr. F. B. Crocker  
14 West 45th St.  
New York, N. Y.

Dear Sir:

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

Michael I. Pupin  
Professor of Electro-Mechanics  
Columbia University  
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*

Secretary.

KINDLY RETURN THIS FORM PROMPTLY

For how long have you personally known the applicant?

*I have been intimately associated with Professor Pupin in Electrical Engineering work for 26 years*

Kindly state instances within your personal knowledge of work performed by the applicant and your opinion of same.

*During all that time he has been in charge of the instruction in the theoretical subjects in the Electrical Engineering Course at Columbia University. I personally observed the development of his invention of "loading coils" for telephone lines. He is certainly qualified for Fellowship in the Institute*

Date *May 22, 1915* Signed

*F. B. Crocker*  
Fellow

In order to avoid unnecessary delay in considering this case, please return this form at your earliest convenience.



May 11, 1915.

Sheet Accompanying Mr. J. J. Carty's Endorsement of Dr. Pupin's  
Application for Transfer to Grade of Fellow in American Institute  
of Electrical Engineers.

"Kindly state instances within your personal knowledge of work performed by the applicant and your opinion of same."

1. Development of the theory of the transmission of speech over loaded lines.
2. The inventing of the successful method of loading telephone and telegraph lines by applying inductance in lumps at intervals along the line, and giving the rule for the spacing of these lumped inductances, or "loading coils". When these coils are applied to the line in accordance with the formula of Dr. Pupin the transmission of speech over the line is very greatly improved. When these same coils are applied in violation of his rule, they act as barriers to the transmission of speech.

Dr. Pupin's work in connection with this subject of loaded telephone lines occupies a foremost place among mathematical and physical achievements.

.....*J. J. Carty*.....  
Fellow