

#### AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

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Dr.	S.S. Wheele				
	Ampere, N. J				
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		Columbia	University		
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In order to avoid unnecessary delay in considering this case, please return this form at your earliest convenience.

Signed

Fellow



#### AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK

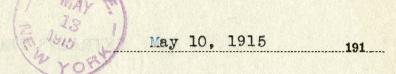
May 10, 1915 191
Dr. C. T. Hutchinson 60 Wall Street New York, N. Y.
Dear Sir:
An application for transfer to the grade of FELLOW in this Institute, under Clause(s) B, C of Sec.
of the Constitution (see back of this form), has been filed by  Michael I. Pupin
Professor of Electro-Mechanics Columbia University
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 followin inquiries?
Very truly yours,
Very truly yours,  Authors  Secretary
Secretary Secretary
For how long have you personally known the applicant?
Les twenty years, outrinately.
Kindly state instances within your personal knowledge of work performed by the applicant and you
opinion of same.
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#### AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK



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). 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,  A Secretary.
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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
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telephony 'y well known He is one of
hi! formost electricians in the Mored
Date May 12, 1915. Signed 1000 DWG au.

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## 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:

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,

L. Hutchinson.

Secretary.

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

Tano Dunne

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
A TOWN TO A COURT OF THE COURT	
Mr. J. J. Carty 15 Dey Street	
New York, N. Y.	
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Dear Sir:	
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of the Constitution (see back of this form), has	s been filed by
Michael	I. Pupin
	sor of Electro-Mechanics ia University
	ew York. N. Y.
who has referred to you as having personal kno	HEROTE MARKET HER END OF THE SECOND S
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inquiries?	
Ver	ry truly yours,
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More than twenty-five y	years.
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opinion of same.	Sonar knowledge of work performed by the approant and yo
opinion of Samo.	
Please see sheet attached	

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Date May 11, 1915. Signed



# 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) $\frac{B \cdot C}{C}$  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,

FAL Hutehiuson.

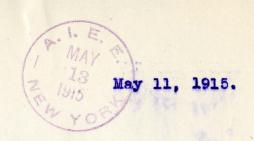
Secretary.

Thave been intimately associated with Professor Pulsin 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.

Surring all that time he has been in charge of the instinction in 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 Followship in the Institute.

Date 711 2427, 15, Signed I Pour March 1980 April 1980 Ap

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



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. "

- Development of the theory of the transmission of speech over loaded lines.
- 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. In Carty