

JAN 10 1913

HARRIS J. RYAN

PROFESSOR OF ELECTRICAL ENGINEERING
LELAND STANFORD JUNIOR UNIVERSITY

P. O.: STANFORD UNIVERSITY
CALIFORNIA

Jan. 4, 1913.

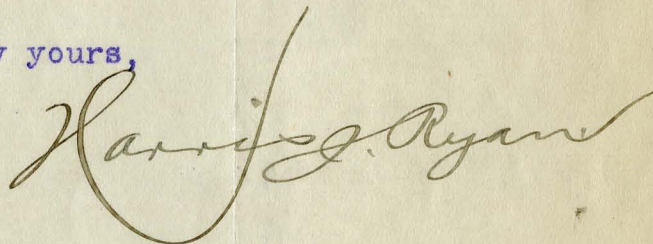
The Secretary of the
American Institute of Electrical Engineers,
33 West 39-th St., New York City.

Dear Sir;-

I desire herewith to make application for transfer from the grade of Member to that of Fellow in the Institute. As evidence to establish my eligibility for the membership grade of Fellow I offer my record as Head of the Department of Electrical Engineering in Cornell University from 1889 to 1905 and in Leland Stanford Jr. University since 1905. I present the following references:

- Fellow Mr. Ralph D. Mershon
- Fellow Prof. Henry H. Norris
- Member Prof. A. E. Kennelly
- Fellow Prof. Dugald C. Jackson
- Fellow Mr. Gano Dunn
- Fellow Mr. C. O. Mailloux

Very truly yours,



FOR	DATE
F. L. H.	_____
J. G. Z.	_____
G. R. M.	_____
G. N. L.	_____
W. H. M.	_____
I. M. G.	_____
✓ C. M. N.	JAN 10 1913
F. B. H.	_____
H. B. L.	_____
F. A. N.	_____

Mem. Apr. 17-1895

JAN 28 1913

HARRIS J. RYAN

PROFESSOR OF ELECTRICAL ENGINEERING
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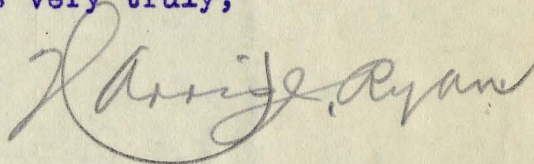
Jan. 16, 1913.

The Secretary, A.I.E.E.,
American Institute of Electrical Engineers,
33 West 39th St., New York City.

Dear Sir;-

I thank you for the courtesy of your letter
dated January 10: I have filled in the official blank
with the desired information and I return it to you herewith.

Yours very truly,



Enc. bland &
Prof. Charters
obituary
notice.

ENCLOSURES
RECEIVED

March 15, 1913

Professor Harris J. Ryan,
Leland Stanford University,
California

My dear Professor Ryan:

Your communication of the 8th inst., addressed to the Board of Directors of the Institute requesting that action upon your application for transfer to the grade of Fellow under the Special Section of the Constitution be deferred, was received yesterday, and was presented at the meeting of the Board held yesterday afternoon. I was directed by the Board to withdraw your application for transfer in accordance with your request; otherwise, you would have been transferred to the grade of Fellow at yesterday's meeting of the Board of Directors, as your application had been approved by the special committee to which all applications for transfer under the special section of the Constitution are referred, and was included in the report made to the Board of Directors by that committee yesterday morning.

I note that you desire to renew your application when the regular and not the special section requirements of the Constitution are in force.

I am, therefore, sending you herewith the proper form for making an application under the regular section of the Constitution. This application can be made at any time as these sections of the Constitution are in force at present; that is, it is not necessary for you to wait until after May 1st, which is the last date upon which applications under the special section can be made.

Very truly yours,

Enclosure

Secretary.

Mr Farrer;
Pls take up at next meeting
JTBd of Ex - 8-27-20 JLK

July 6, 1920.

Subject: Proposed Transfer of Mr.
Harris J. Ryan to grade of Fellow

Attention: Mr. Farrer

At the recent Annual Convention, Mr. N. A. Carle stated that during his recent visit to California, he learned from other Institute members that Professor Harris J. Ryan has never applied for transfer to the grade of Fellow because he fought the constitutional amendment to create the grade of Fellow. Therefore, he feels that it would be inconsistent for him to apply for this grade. Prominent members in California, however, inform Mr. Carle that in their opinion Mr. Ryan would appreciate being transferred to the grade of Fellow, and Mr. Carle, therefore, suggests that we present the matter informally to the Board of Examiners of the Institute and ask whether or not they would place Mr. Carle in a position to take the matter up as an individual with Professor Ryan, or some of the California members, transmitting an application for transfer made out from the information that we have in this office, so that all Professor Ryan has to do is to sign his name to it, and return it to this office.

Please prepare such a tentative application, and take the matter up with the Board of Examiners at its next meeting. Then advise Mr. Carle what view was expressed, at the same time transmitting him a tentative application.

Signed J. L. Hutchinson
Secretary.

Mr. Hutchinson:

H:C

I explained Prof Ryan's case to the Bd of Ex at the meeting of July 26th and it seemed to be opinion that there could be no question of Ryan's transfer, should he so apply. However the old board could not answer for the actions of board after Aug. 1. I did not again put question at meeting of Aug 9 as there were only 5 present, two of whom were entirely new members, and familiar with the procedure of Bd of Ex.
J. L. H. 10/20

PROFESSOR HARRIS J. RYAN

On January 16, 1913, Professor Harris J. Ryan made application for transfer from the grade of Member to that of Fellow (Special Section), as follows:

I hereby apply for transfer from the grade of Member to that of Fellow under the Special Section of the Constitution, adopted May 21, 1912.

My age is 47 years.

I consider myself eligible for transfer under Clause (b), Section 4, of the Constitution.

The specific work upon which my application is based covers a period of 25 years.

1888-9 Instructor in Physics, Cornell, in charge Dynamo Laboratory for Electrical Engineering Students.

1889-92 Assistant Professor Electrical Engineering, Acting charge Electrical Engineering Dept., Sibley College, Cornell Univ.

1892-95 Associate Professor Electrical Engineering in charge Electrical Engineering Dept., Sibley College, Cornell Univ.

1895-1905 Professor Electrical Engineering in charge Electrical Engineering Dept., Sibley College, Cornell University.

1905-Date Professor Electrical Engineering, in charge Electrical Engineering Dept., Leland Stanford Jr. University and A.I.E.E. papers

In compliance with the constitutional requirement, I give the names of the following references to be communicated with by the Secretary, as indicated upon the back of this form.

REFERENCES.

Fellow - Mr. Ralph D. Mershon
Fellow - Prof. Henry H. Norris
Member - Prof. A.E. Kennelly

Fellow - Prof. Dugald C. Jackson
Fellow - Mr. Gano Dunn
Fellow - Mr. O. O. Mailloux

Signature - Harris J. Ryan
Present Occupation - Professor of Electrical Engineering, Leland
Stanford Jr. University
Address - (P.O.) Stanford University, California.

Professor Harris J. Ryan

This application was approved by the Special Committee, appointed to consider all applications for transfer under the Special Section of the Constitution, but before final approval by the Board of Directors at their meeting on March 14, 1913, a letter was received from Professor Harris J. Ryan on March 8, 1913, requesting that action upon this application be deferred. Professor Ryan stated at that time that he intended to renew the application when the regular and not the Special Section requirements of the Constitution would be in force.

A copy of the form for making application under the regular section of the Constitution was sent to Professor Ryan at that time, and he was advised that this application under the regular section could be filed at any time.

(7-21-20)

M:C

SUBJECT:

AMERICAN TELEPHONE AND TELEGRAPH COMPANY

DEPARTMENT OF DEVELOPMENT AND RESEARCH

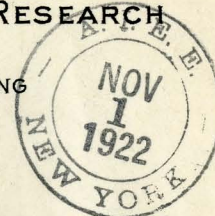
TELEPHONE AND TELEGRAPH BUILDING

195 BROADWAY

NEW YORK October 30, 1922.

JOHN J. CARTY
VICE PRESIDENT

LYMAN F. MOREHOUSE
EQUIPMENT DEVELOPMENT ENGINEER
FREDERICK L. RHODES
OUTSIDE PLANT DEVELOPMENT ENGINEER
OTTO B. BLACKWELL
TRANSMISSION DEVELOPMENT ENGINEER
HOWARD S. WARREN
ELECTRICAL INTERFERENCE ENGINEER
GEORGE A. CAMPBELL
RESEARCH ENGINEER



Mr. F. L. Hutchinson, Secretary,
American Institute of Electrical Engineers,
33 West 39th Street,
New York, N.Y.

Dear Sir:

In connection with the request for transfer to the grade of Fellow of Harris J. Ryan, Professor of Electrical Engineering, Stanford University, I am returning herewith the form for the information of the Board of Examiners. Professor Ryan received his education at Baltimore City College, and Lebanon Valley, and later was graduated from Cornell University with the degree of M.E. He was a member of the Western Engineering Company of Lincoln, Neb., in 1888, and was made instructor in charge of the electrical machinery laboratory in Cornell University in 1889. Later, as Assistant Professor of Electrical Engineering he was in provisional charge of the department from 1890 to 1895, and as Professor of Electrical Engineering was in charge of the department at Cornell University from 1895 to 1905. He has been Professor of Electrical Engineering in charge of the department at Stanford University from 1905 to the present date.

Professor Ryan is one of the outstanding figures in the scientific and engineering phases of the electrical industries.

He is a pioneer and has distinguished himself as an investigator.

In 1890, he published a theory of the alternating current transformer which is generally regarded as establishing a basis not theretofore available for proper design. He made substantial contributions to the theory of armature reaction in direct current machinery, and the pole face winding considered a requisite to the ultimate development of this type of machinery is credited to him. His paper containing the results of a thorough scientific investigation of the law of corona is regarded as establishing a basis for the treatment of air as a dielectric and for many publications that followed.

Professor Ryan was among the first to study and to report upon the nature of brush discharges at sustained radio frequencies, a matter of fundamental importance in the design of radio stations of high power. He has contributed largely to our understanding of the behavior and proper utilization of dielectrics for high voltage insulation purposes.

At Stanford University he has developed a laboratory for the study of high voltages which is a recognized center for the study of phenomena relating to the insulation of high voltage, high power transmission lines. In collaboration with others, he is the author of an important text book on alternating currents and, individually, or with others, of numerous papers or discussions on topics relating to electrical engineering.

A number of electrical patents have been granted to him.

During the war he was Director of the Pasadena Anti-submarine Laboratory of the National Research Council for the Navy.

Among his other activities are the following: Juror, Board of Awards, World's Fair, Chicago, 1893, and Panama-Pacific International Exposition, San Francisco, 1915. Appointed by the United States Government a member of the International Chamber of Delegates to the International Electrical Congress, St. Louis, 1904. He has been a member of the Board of Consulting Engineers, for the Power Development of the Los Angeles Aqueduct from 1909 to the present.

Professor Ryan's activities in the Institute of Electrical Engineers include the Vice Presidency from 1896-1898, and appointment as Honorary Vice President, 1915, "to act as special honorary representative and officer of the Institute on the Pacific Coast during the Panama-Pacific Exposition." He is a member of many leading scientific and technical societies including the National Academy of Sciences.

I have been acquainted with Professor Ryan for many years and I have come in contact with his engineering and scientific work in many ways. His distinguished accomplishments and abilities, in my opinion, meet perfectly the high requirements for the grade of Fellow and I recommend favorable action on his application.

Yours very truly,

J. Hearty,

Fellow

SEVENTH FLOOR
45 WILLIAM STREET
NEW YORK



October 31, 1922.

Mr. F. L. Hutchinson, Secretary
American Institute Electrical Engineers
33 West 39th Street
New York, N. Y.

3988

Dear Mr. Hutchinson:

I am glad to enclose to you
the application of Professor Ryan for transfer to the
grade of Fellow together with eleven endorsements by
members of the Institute.

Yours very truly,

W. H. Sullivan

12 Encls.

To	ACK'D OR NOTED	
	DATE	BY
SECY		
EDIT.		
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MAIL ROOM		
APPLIC.		
ACCTS.		
OFF. SEC.		

November 1, 1922.

Prof. Harris J. Ryan
Stanford University
C a l i f o r n i a.

Dear Sir:-

We have received from Dr. Wm. McClellan your application for transfer from the grade of Member to that of Fellow, which is in proper form.

As all the necessary endorsements were attached to this application, it will be presented to the Board of Examiners for consideration at their next meeting and later to the Board of Directors for final action, after which you will receive further notification.

Very truly yours,

Secretary.

November 1, 1922.

Dr. William McClellan
45 William Street
New York, N. Y.

Dear Dr. McClellan:-

I have received your letter of October 31st, in which you enclose Prof. Harris J. Ryan's application for transfer from the grade of Member to that of Fellow. As this application is in complete form we will present it to the Board of Examiners for consideration at their next meeting.

Very truly yours,

Secretary.

-L-