



## AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 WEST 39TH STREET, NEW YORK

## APPLICATION FOR ADMISSION.

Receipt acknowledged JUL 13 1914 Recommended by Board of Examiners.....  
 References communicated with JUL 13 1914 Elected by Board of Directors.....

## QUALIFICATIONS FOR MEMBERSHIP

The qualifications for membership in the respective grades will be found in the extracts from the constitution and by-laws reprinted on the last page of this application.

In order that the applicant may have a perfect understanding of the requirements, he is urged to read these extracts carefully.

The undersigned hereby makes application for admission to the American Institute of Electrical Engineers in the grade of Member and submits the information given in the following pages for consideration.  
 (Insert word Associate, Member or Fellow)

Applicant's signature.....

Title, position or occupation Superintendent, Transformer, Winding & Insulating Dept.

Business address The British Westinghouse Elec. & Mfg. Co., Ltd., Trafford Park, Manchester.

Residence address West Gables, Hale Road, Hale, Cheshire, England.

Mailing address for publications and notices of the Institute The British Westinghouse Elec. & Mfg. Co. Ltd. Trafford Park, Manchester.

## ENTRANCE FEES AND DUES.

(Constitution).

SEC. 18. The entrance and transfer fees, payable on admission to the Institute, or upon transfer, shall be as follows:

Admission to the grade of Fellow, twenty (20) dollars.

" " " " " Member, fifteen (15) "

" " " " " Associate, five (5) "

The transfer fee from one grade of membership to another shall be the difference between the corresponding admission fees

SEC. 19. The annual dues shall be as follows:

For Fellows, twenty (20) dollars:

" Members, fifteen (15) "

" Associates, ten (10) "

## REFERENCES

(Constitution).

Sec. 10. Applicants shall give references to members of the Institute as follows:

For the grade of FELLOW, to FIVE FELLOWS

For the grade of MEMBER, to FOUR FELLOWS or MEMBERS

For the grade of ASSOCIATE, to THREE FELLOWS, MEMBERS, OR ASSOCIATES.

References should be named who have personal knowledge of the applicant's experience. As references occasionally fail to reply promptly to inquiries, it is suggested that applicants send more than the required number of references.

Member

Robert Stuart Stewart.

814 Penobscot Buildings,

Detroit, Michigan, U.S.A.

Member

W. M. McConahey.

270 University St.  
Transformer Dept.

Westinghouse E. & M. Co.

East Pittsburgh, Pa. U.S.A.

Fellow

C. E. Skinner. Westinghouse E. & M. Co.,

East Pittsburgh, Pa. U.S.A.

Fellow

John S. Peck.

The British Westinghouse E. & M. Co.

Trafford Park

Manchester. England.

W. W. Blunt. Westinghouse E. & M. Co. Ltd.

Manchester, England.



The following information is required by the Board of Examiners. Failure to give details will delay action on the application.

1. Give full name, date and place of birth.
2. Give general and technical education, where and how acquired.
3. If applying for admission to the grade of ASSOCIATE, give briefly record of electrical experience and present employment.
4. If applying for admission to the grade of MEMBER or FELLOW, state under which one or more of the clauses, a, b, c, d, of Sections 4 or 5, Article II of the constitution the application is made, and give full record of professional career, with particular reference to the period of responsible charge or the experience upon which application is based.

Dates here	APPLICANT'S RECORD
	(1) Arthur Percy Morris Fleming. Born January 16th/1881 at Newport, Isle of Wight, England.
	(2) Received general education at Portland House Academy, Newport, Isle of Wight, up to 1896. Received technical education at Finsbury Technical College, London, (Principal Dr. Sylvanus Thompson), during sessions 1897-1898, and received Diploma in Electrical Engineering.
	(4) I apply for admission to the grade of Member under Clause A. Section 5. of the constitution.
1898-1899	Assistant Engineer, London Electric Supply Corporation, Deptford, London S.E. The plant here consisted of about 12000 KVA. in single phase generators, 10000 volts.
1899-1900	With Messrs. Elliott Bros. Electrical Instrument Makers, in charge of experimental test.
1900-1902	With The Westinghouse Elec. & Mfg. Co. East Pittsburgh, Pa. U.S.A. as a special student, spending about 1 year in various manufacturing depts., and 1 year on insulation research work.
1902-1905	With The British Westinghouse E. & M. Co. Ltd. Manchester, England. Insulation Specialist, in charge of design and research work in connection with insulation.
1905-1908	With The B.W.E. & M. Co. Ltd. Transformer Designer in charge of design of all kinds and types of transformers, aggregating during this period from 100,000/350,000 KVA. annually.
1908-1911	With The B.W.E. & M. Co. Ltd. Assist. Supt. in charge of manufacture and design of transformers.
1911 to date	Supt. Transformer, Winding & Insulating Dept., in charge of the design and manufacture of transformers, design and manufacture of windings, insulation research work.  During the <sup>past</sup> 6 years I have <sup>also</sup> had charge of the practical training of the Technical Graduates serving their apprenticeship with The B.W. Company, of whom there are about 100 always in the works.  I have further organised and have control of an apprentice school in connection with the Company for the training of

Dates here	APPLICANT'S RECORD (continued)
	trade apprentices, of whom there are about 300 in the works.  I am a member of the Institution of Electrical Engineers (M.I.E.E.), and am part author of the following papers read before that body - Transformers - Some practical and theoretical considerations (Fleming & Daye-Hansen) (1908) Chemical Action in the Windings of High Voltage Machines. (Fleming & Johnson) (1911)  I am also part author of the following books - "Engineering as a Profession" - scope, training and opportunities for advancement. Published by John Lang London. 1913. (Fleming & Bailey)  "Insulation & Design of Electrical Windings". Published by Messrs. Longmans, Green & Co. London. 1913. (Fleming & Johnson)  I have served as a special lecturer at the Manchester University, giving there Courses to advanced students on "Insulation and its commercial application", in 1908, and on "Works Management" in 1914.
The undersigned certifies that the above statements are correct, and agrees if elected by the Institute, that he will be governed by its Constitution and By-laws as long as his connection with it shall continue. He furthermore agrees to promote the objects of the Institute as far as shall be in his power, and in case of his severing his connection therewith that he will return his membership badge, if he has purchased one, for which, if in good condition, a credit of \$2.00 shall be given.	
Signed <u>A.P.M. Fleming</u>	
Dated <u>July 3-</u> 19 <u>14</u>	
NOTE: The Applicant's personal signature, in ink, must appear at the end of this record. If not sufficient space, the record may be continued on separate sheets of this size.	



Received..... July 10, 1914.....

# AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

Application for

ADMISSION TO THE GRADE OF **ASSOCIATE**

MEMBER

Application No. 13040.....

Name Arthur Percy Morris Fleming..... Folio No. 5862.....

Address The British Westinghouse Elec. & Mfg. Co. Ltd. ....

Trafford Park, Manchester, Eng. ....

Acknowledged..... July 13, 1914.....

References communicated with..... July 13, 1914.....

Passed by Board of Examiners..... Recommended 8/7/14.....

Elected by Board of Directors..... OCT 9 1914.....