

EDUCATION
Recd.

Regd.

} 1915.

Enclosures

Spare copies

G.O. No. 1404, 13th December 1915.

Mr. H. B. Matthews.

Forwarding to the Government of India a statement showing the age, places of education and the educational qualifications of — who has been appointed Professor of Higher Electrical Engineering in the College of Engineering, Madras.

Government of Madras.

EDUCATIONAL DEPARTMENT.

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G.O. No. 1404, 13th December 1915.

Mr. H. B. Matthews.

Forwarding to the Government of India a statement showing the age, places of education and the educational qualifications of -- who has been appointed Professor of Higher Electrical Engineering in the College of Engineering, Madras.

No. 1404, EDUCATIONAL, 13TH DECEMBER 1915.

GOVERNMENT OF MADRAS.
EDUCATIONAL DEPARTMENT.

Read—the following papers :—

I

Memorandum No. 4283-1, Educational, dated 6th December 1915.

The Director of Public Instruction is requested to report the date on which Mr. H. B. Matthews took charge of his duties as Professor of Higher Electrical Engineering in the College of Engineering, Madras.

(By Order.)

E. A. HARVEY,
Under Secretary to Government.

To the Director of Public Instruction.

II

Letter—from the Hon'ble Mr. J. H. STONE, M.A., F.R.H.S., C.I.E., Director of Public Instruction.

To—the Secretary to Government, Educational Department.

Dated—the 7th December 1915.

No.—Ref. on Cur. 4901.

With reference to Memorandum No. 4283-1, Educational, dated 6th December 1915, I have the honour to state that Mr. H. B. Matthews joined the post of Professor of Higher Electrical Engineering in the College of Engineering on the forenoon of the 15th November 1915.

Order—No. 1404, Educational, dated 13th December 1915.

The following letter will be addressed to the Government of India :—

[Here enter letter No. 1405, Educational, dated 13th December 1915.]

(True Extract.)

C. G. TODHUNTER,
Ag. Secretary to Government.

GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

No. 1405.

From

THE HON'BLE MR. C. G. TODHUNTER, I.C.S.,

Acting Secretary to the Government of Madras,

Educational Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

DEPARTMENT OF EDUCATION

Dated Fort St. George, the 13th December 1915.

SIR,

With reference to Mr. Marris' letter No. 72, Education, dated the 1st February 1904, I am directed to forward a statement showing the age, places of education and the educational qualifications of Mr. H. B. Matthews who has been appointed Professor of Higher Electrical Engineering in the College of Engineering, Madras. Mr. Matthews took charge of his duties on the 15th November 1915.

I have the honour to be,

Sir,

Your most obedient servant,

C. G. TODHUNTER,
Ag. Secretary to Government.

[Annexure.]

1. Name in full	Harry Bryant Matthews.
2. Address	Indian Institute of Science, Bangalore, India.
3. Age, last birthday, with date and place of birth.	Thirty-eight years. August 8th, 1876, Lincoln, England.
4. Married or single (<i>Number and ages of children, if any</i>).	Married. Two children, five years and one year old respectively.
5. Health (<i>past and present</i>)	Very good. Medical Officer has recently certified me a first class life for insurance.
6. Father's name, nationality, and occupation (State whether living or dead).	Rev. Amos Baker Matthews, British non-conformist minister. Dead.
7. Post and approximate salary desired . .	Professor of Engineering (Electrical). College of Engineering, Madras, Rs. 1,000 per mensem.
8. Duration of visits or residence abroad . .	Two and half years in Bangalore, India.
9. Names of districts abroad of which the applicant has special knowledge.	Associate Head of Department of Electrical Engineering at the Northampton Polytechnic Institute, Clerkenwell, E. C. Salary £400 per annum. Responsible for running of Generating Plant, Laboratories, Lectures, etc. I was one of <i>four</i> finally selected candidates in succession to Dr. C. V. Drysdale.
10. Particulars and dates of any important appointments, <i>e.g.</i> , Headmasterships, or Principalships, Administrative posts, University Professorships, Lectureships, or the like, for which the applicant has stood or is standing.	I was one of three candidates nominated for interview by Mr. Runciman, Minister for Education, for an appointment as Inspector of the Board of Education, Technological Branch, salary £400-20-800 per annum. Dr. Lea obtained the appointment, February 21st, 1911.
11. Athletics—(<i>a</i>) experience in organizing games; (<i>b</i>) proficiency in athletics.	(<i>a</i>) No experience in organising games, (<i>b</i>) I play tennis a little.
12. Date of application	June 29th, 1915.

	Name of Name of school or college.	Name of Principal.
13. School education— Central Higher Grade School, Sheffield.	1889 to 1892.—Attended a three years' course at the Central Higher Grade Science School, Sheffield, and obtained Elementary First Class (S. & A.) Certificates in eight Science subjects and Advanced Second Class in Machine Drawing, spending considerable time in the workshops, having charge of Gas Engine and Dynamo and gaining experience in Wiring. Mr. W. H. Watkinson who is now Harrison Professor of Engineering at the University of Liverpool was in charge of the Engineering section.	J. E. Taylor, M.A., B.Sc.
14. University education, if any— University of Sheffield, 5 years.	1892 to 1895.—Attended a three years' course in Electrical and Mechanical Engineering at the Technical Department, University College, Sheffield, gaining a free Studentship and subsequently a Scholarship value £50 a year for three years, being awarded the Mappin medal and Premium for Honours in Engineering and the Associateship of the Sheffield Technical School. 1895 to 1896.—Assisted Professor Ripper, D. Eng., M. Inst. C. E., Principal of Technical Department, in about 70 six-hour Superheated Steam Engine trials (Proc. Inst. C. E., 1907) and subsequently in working these out and preparing the Theta-Phi diagrams. Attended courses in Mathematics, Bridge Construction and Surveying (Practical). 1896 to 1897.—In the workshops (Pattern making chiefly) and Laboratories of the above College and attended courses in Physics and Mathematics by Principal Hicks, M.A., D.Sc., F.R.S., and Professor Leahy, M.A.	Dr. Hicks.
University of Birmingham, 2 years.	1901 to 1903.—Was engaged on Research work at the University of Birmingham as Bowen Research Scholar under Professor J. H. Poynting, Professor F. W. Burstall and Dr. D. K. Morris. Chief work was investigation upon Flux Distribution in the air gaps, and inter-polar spaces of continuous current machines under varying conditions of load. Values of magnetic leakage were obtained and actual displacement of magnetic lines due to load, hysteresis, etc., shown. Results throw light on conditions necessary to obtain sparkless commutation. Effect of armature slots on Flux Distribution was measured directly and effective air gaps deduced and compared with empirical constants used by designers (Proc. I. E. E., Vol. 40, page 572). The candidate carried out a small investigation on the Nodon Valve for Sir Oliver Lodge, Principal.	Sir Oliver Lodge.

	Name of school or college.	Name of Principal.
15. Professional training as a teacher, if any— (If a holder of the Board of Education's parchment certificate, the date of the examination and class in which the applicant was placed in each part of the examination must be shown.)	No professional training as a teacher.	
16. Teaching employment— 14 years.	1913 to 1915.—Three years' experience in lecturing on Electrical Engineering subjects at the Indian Institute of Science, and arranging and supervising Laboratory Courses for first and second year students. Indian Institute of Science. 1903 to 1912.—Nine years' experience of teaching in Electrical Engineering subjects Senior, Advanced and some Elementary work at the Birmingham Municipal Technical School. As Chief Lecturer and Demonstrator in the Department of Electrical Engineering, the candidate had charge of all lectures, demonstrations and laboratory work, and of classes in design of Electrical Machinery. He was also responsible to the Principal for the Design, Equipment, and Organization of the Electrical Engineering Laboratories. Birmingham Municipal Technical School.	Dr. Morris Travers and Dr. Alfred Hay. Dr. W. E. Sumpner, M.I.E.E.
16. Teaching employment— 14 years— <i>cont.</i>	1900 to 1901.—One year teaching and organisation experience at the Municipal Technical School, Storey Institute, Lancaster. Subjects:—Steam, Applied Mechanics and Theoretical Mechanics, including laboratory and lecture work. Storey Institute, Lancaster. 1898.—One year teaching experience in Practical Plane and Solid Geometry and Machine Drawing at the Technical Evening Department, University College, Sheffield. University College, Sheffield. 1904.—Two terms Lecture and Laboratory work, teaching fourth year Electrical Engineering students at the University of Birmingham. University of Birmingham.	Dr. Schlosser, F.R.S., F.I.C. Professor Ripper, D. Eng. M. Inst. C.E. Sir Oliver Lodge.
	Name of school or place where employed.	Name of Principal or employer.

	Name of school or place where employed.	Name of Principal or employer.
17. Other employment— (All employment to be entered in order of time.)	(a) 1897—1899.—Works of F. H. Stacey & Co. (now Charles Ross), Heeley, Sheffield. (b) 1899—1900.—Works of Moorwood & Sons, Attercliffe, Sheffield. (c) 1900.—Ganwood Brothers, Sheffield. (d) 1900.—Wallsend Shipway and Engineering Company, Wallsend, Newcastle-on-Tyne. (e) 1901.—J. H. Holmes & Co., Newcastle-on-Tyne.	F. Harvard Stacey. Thos. Moorwood.
Date of joining and leaving.		Scholarships, certificates, degrees and other honours.
I hold the following South Kensington Certificates:— Honours, Practical Plane and Solid Geometry (Medal) 1898—1900 Honours, Steam 1898 2nd Class, 5th Stage Mathematics 1900 1st Class, 3rd Stage Mathematics 1899 1st Class, Advanced Stage Applied Mechanics 1898 1st Class, Advanced Stage Magnetism and Electricity 1898 1st Class, Advanced Stage Machine Drawing 1898 1st Class, Advanced Stage Theor. Mechanics (Solids). 1896 1st Class, Advanced Stage Heat 1900 1st Class, Advanced Stage Freehand Drawing 1900 2nd Class, Advanced Stage Light 1900 2nd Class, Advanced Stage Theoretical Mech. (Fluids) 1900 1st Class, Elementary Stage Inorg. Chemistry (Theor.). 1891 1st Class, Elementary Stage Inorg. Chemistry (Pract.). 1891 City & Guilds:— 2nd Class, Ordinary Grade, Electrical Engineering 1893		1892.—A Free Studentship at University College, Sheffield (held one year). 1893.—Scholarship value £50 a year for three years at University College, Sheffield (held three years). 1900.—Whitworth Exhibition and National Free Studentship (tenable at Royal College of Science) also Exhibition value £80 at University College, Sheffield. 1901.—A Bowen Research Scholarship value £96 a year tenable at the University of Birmingham held for two years. Whitworth Exhibitioner 10th place 1900 Associate of Sheffield Technical School (Mapping Medallist), 1896; Bronze Medallist, South Kensington, 1898. Full Member of the Institution of Electrical Engineers, 1912. Honorary Local Secretary of the Institution of Electrical Engineers (Birmingham), 1905 to 1912.
Dates of joining and leaving.		Position and character of work done, also salary received.
(a) August 1897—March 1899	Improver in Fitting and Turning, also two months in Drawing Office, wages 10 shillings per week.	
(b) April 1899—February 1900	Improver Turner and Planer, worked Lathe and Planing Machines, wages 15 shillings per week.	
(c) March 1900—June 1900	Improver Turner, worked Lathe, wages 25 shillings per week.	
(d) July 1900—October 1900	Improver Fitter, Erecting large Marine Engines, wages 25 shillings per week.	
(e) August 1901—October 1901	Draughtsman, Electrical Motors, etc., wages 25 shillings per week.	

qualifications of Mr. H.B. Matthews
who has been appointed Professor of
higher electrical engineering in the
College of Engineering, Madras.
Mr. Matthews took charge of his
duties on the 15th November 1915

I have etc.

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9.12.15

[Annexure.]

No. 1052, EDUCATIONAL, 24TH SEPTEMBER 1915.

Annexure
GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

READ—the following papers:—

I

G.O. Nos. 607, 608, Educational, dated 30th June 1913.

ABSTRACT.—Approving generally the proposals submitted by the Director of Public Instruction for the provision of facilities for the teaching of higher electrical engineering at the College of Engineering, Madras, and addressing the Government of India on the subject.

II

G.O. No. 770, Educational, dated 14th July 1915.

ABSTRACT.—Confirming the despatch of a telegram to the Secretary of State for India regarding the appointment of Mr. H. B. Mathews as Professor of Electrical Engineering in the College of Engineering, Madras.

~~ENCLOSURE~~

1. Name in full	Harry Bryant Matthews.
2. Address	Indian Institute of Science, Bangalore, India.
3. Age, last birthday, with date and place of birth.	Thirty-eight years. August 8th, 1876, Lincoln, England.
4. Married or single (<i>Number and ages of children, if any</i>).	Married. Two children, five years and one year old respectively.
5. Health (<i>past and present</i>)	Very good. Medical Officer has recently certified me a first class life for insurance.
6. Father's name, nationality, and occupation (<i>State whether living or dead</i>).	Rev. Amos Baker Matthews, British non-conformist minister. Dead.
7. Post and approximate salary desired ..	Professor of Engineering (Electrical), College of Engineering, Madras, Rs. 1,000 per mensem.
8. Duration of visits or residence abroad. ..	Two and half years in Bangalore, India.
9. Names of districts abroad of which the applicant has special knowledge.	Associate Head of Department of Electrical Engineering at the Northampton Polytechnic Institute, Clerkenwell, E. O. Salary £400 per annum. Responsible for running of Generating Plant, Laboratories, Lectures, etc. I was one of four finally selected candidates in succession to Dr. C. V. Drysdale.

Government of Madras.

EDUCATIONAL DEPARTMENT.

No. 1052, EDUCATIONAL, 24TH SEPTEMBER 1915.

Recd.

Regd.

1915

Enclosures

Spare copies

G.O. No. 1052, 24th September 1915.

College of Engineering, Madras.

Informing the Director of Public Instruction that the Secretary of State has sanctioned the addition to the Indian Educational Service of a professorship of higher electrical engineering in the — and the appointment of Mr. H. B. Matthews to the post on an initial salary of Rs. 750 per mensem and sanctioning the employment of a laboratory assistant on a salary of Rupees 200—40—400 per mensem.

10. Particulars and dates of any important appointments, e.g., Headmasterships, or Principalships, Administrative posts, University Professorships, Lectureships, or the like, for which the applicant has stood or is standing.

I was one of three candidates nominated for interview by Mr. Runciman, Minister for Education, for an appointment as Inspector of the Board of Education, Technological Branch, Salary £400—20—800 per annum. Dr. Lea obtained the appointment, February 21st, 1911.

11. Athletics—(a) experience in organizing games; (b) proficiency in athletics.

(a) No experience in organising games, (b) I play tennis a little.

12. Date of application

June 29th, 1915.

13. School education—
Central Higher Grade
School, Sheffield.

1889 to 1892.—Attended a three years' course at the Central Higher Grade Science School, Sheffield, and obtained Elementary First Class (S. & A.) Certificates in eight Science subjects and Advanced Second Class in Machine Drawing, spending considerable time in the workshops, having charge of Gas Engine and Dynamo and gaining experience in Wiring. Mr. W. H. Watkinson who is now Harrison Professor of Engineering at the University of Liverpool was in charge of the Engineering section.

J. E. Taylor, M.A.,
B.Sc.

14. University education, if
any—
University of Sheffield, 5 years.

1892 to 1895.—Attended a three years' course in Electrical and Mechanical Engineering at the Technical Department, University College, Sheffield, gaining a free Studentship and subsequently a Scholarship value £50 a year for three years, being awarded the Mappin medal and Premium for Honours in Engineering and the Associateship of the Sheffield Technical School.

Dr. Hicks.

1895 to 1896.—Assisted Professor Ripper, D. Eng., M. Inst. C. E., Principal of Technical Department, in about 70 six-hour Superheated Steam Engine trials (Proc. Inst. C. E., 1907) and subsequently in working these out and preparing the Theta-Phi diagrams.

Attended courses in Mathematics, Bridge Construction and Surveying (Practical).

1896 to 1897.—In the workshops (Pattern making chiefly) and Laboratories of the above College and attended courses in Physics and Mathematics by Principal Hicks, M.A., D.Sc., F.R.S., and Professor Leahy, M.A.

	Name of School or College.	Name of Principal.
14. University education, if any— <i>cont.</i> University of Birmingham, 2 years.	1891 to 1903.—Was engaged on Research work at the University of Birmingham as Bowen Research Scholar under Professor J. H. Poynting, Professor F. W. Burstall and Dr. D. K. Morris. Chief work was investigation upon Flux Distribution in the air gaps, and inter-polar spaces of continuous current machines under varying conditions of load. Values of magnetic leakage were obtained and actual displacement of magnetic lines due to load, hysteresis, etc., shown. Results throw light on conditions necessary to obtain sparkless commutation. Effect of armature slots on Flux Distribution was measured directly and effective air gaps deduced and compared with empirical constants used by designers (Proc. I. E. E., Vol. 40, page 572). The candidate carried out a small investigation on the Nodon Valve for Sir Oliver Lodge, Principal.	Sir Oliver Lodge.
15. Professional training as a teacher, if any. (If a holder of the Board of Education's parchment certificate, the date of the examination and class in which the applicant was placed in each part of the examination must be shown.)	No professional training as a teacher.	
16. Teaching employment—14 years.	1913 to 1915.—Three years' experience in lecturing on Electrical Engineering subjects at the Indian Institute of Science, and arranging and supervising Laboratory Courses for first and second year students. Indian Institute of Science. 1903 to 1912.—Nine years' experience of teaching in Electrical Engineering subjects Senior, Advanced and some Elementary work at the Birmingham Municipal Technical School. As Chief Lecturer and Demonstrator in the Department of Electrical Engineering, the candidate had charge of all lectures, demonstrations and laboratory work, and of classes in design of Electrical Machinery. He was also responsible to the Principal for the Design, Equipment, and Organization of the Electrical Engineering Laboratories. Birmingham Municipal Technical School.	Dr. Morris Travers and Dr. Alfred Hay. Dr. W. E. Sumpner, M.I.E.E.

	Name of school or place where employed.	Name of Principal or employer.
16. Teaching employment—14 years— <i>cont.</i>	1890 to 1901.—One year teaching and organisation experience at the Municipal Technical School, Storey Institute, Lancaster. Subjects:—Steam, Applied Mechanics and Theoretical Mechanics, including laboratory and lecture work. Storey Institute, Lancaster. 1898.—One year teaching experience in Practical Plane and Solid Geometry and Machine Drawing at the Technical Evening Department, University College, Sheffield. University College, Sheffield. 1904.—Two terms Lecture and Laboratory work, teaching fourth year Electrical Engineering students at the University of Birmingham. University of Birmingham.	Dr. Schloesser, F.C.S., F.I.C. Professor Ripper, D. Eng. M. Inst. C.E. Sir Oliver Lodge.
17. Other employment— (All employment to be entered in order of time).	(a) 1897—1899.—Works of F. H. Stacey & Co. (now Charles Ross), Heeley, Sheffield. (b) 1899—1900.—Works of Moorwood & Sons, Attercliffe, Sheffield. (c) 1900.—Ganwood Brothers, Sheffield. (d) 1900.—Wallsend Slipway and Engineering Company, Wallsend, Newcastle-on-Tyne. (e) 1901.—J. H. Holmes & Co., Newcastle-on-Tyne.	F. Harvard Stacey. Thos. Moorwood.
Dates of joining and leaving.		Scholarships, certificates, degrees and other honours.
I hold the following South Kensington Certificates:—		
Honours, Practical Plane and Solid Geometry (Medal) .. 1898-1900		1892.—A Free Studentship at University College, Sheffield (held one year).
Honours, Steam .. 1898		1893.—Scholarship value £50 a year for three years at University College, Sheffield (held three years).
2nd Class, 5th Stage Mathematics .. 1900		1900.—Whitworth Exhibition and National Free Studentship (tenable at Royal College of Science) also Exhibition value £80 at University College, Sheffield.
1st Class, 3rd Stage Mathematics .. 1899		1901.—A Bowen Research Scholarship value £95 a year tenable at the University of Birmingham held for two years.
1st Class, Advanced Stage Applied Mechanics .. 1893		Whitworth Exhibitioner 10th place 1900 Associate of Sheffield Technical School (Mappin Medalist), 1896; Bronze Medalist, South Kensington, 1898.
1st Class, Advanced Stage Magnetism and Electricity. 1893		Full Member of the Institution of Electrical Engineers, 1912.
1st Class, Advanced Stage Machine Drawing .. 1893		Honorary Local Secretary of the Institution of Electrical Engineers (Birmingham), 1905 to 1912.
1st Class, Advanced Stage Theor. Mechanics (Solids). 1896		
1st Class, Advanced Stage Heat .. 1900		
1st Class, Advanced Stage Freehand Drawing .. 1900		
2nd Class, Advanced Stage Light .. 1900		
2nd Class, Advanced Stage Theoretical Mech. (Fluids). 1900		
1st Class, Elementary Stage Inorg. Chemistry (Theor.). 1891		
1st Class, Elementary Stage Inorg. Chemistry (Pract.). 1891		
City & Guilds:—		
2nd Class, Ordinary Grade, Electrical Engineering .. 1893		

Dates of joining and leaving.	Position and character of work done, also salary received.
(a) August 1897—March 1899	Improver in Fitting and Turning, also two months in Drawing Office, wages 10 shillings per week.
(b) April 1899—February 1900	Improver Turner and Planer, worked Lathe and Planing Machines, wages 15 shillings per week.
(c) March 1900—June 1900	Improver Turner, worked Lathe, wages 25 shillings per week.
(d) July 1900—October 1900	Improver Fitter, Erecting large Marine Engines, wages 25 shillings per week.
(e) August 1901—October 1901	Draughtsman, Electrical Motors, etc., wages 25 shillings per week.

18. References—

- | | |
|--|---|
| (1) Name,
Address,
Occupation or position. | Sir John F. G. SNELL,
President,
Institution of Electrical Engineers
Victoria Embankment, London W.C. |
| (2) Name,
Address,
Occupation or position. | Morris W. TRAVERS, Esq., D.Sc., F.R.S.,
43, Warwick Gardens, London W.,
Late Director, Indian Institute
of Science, Bangalore. |

(These should be persons resident in the United Kingdom, who have known the applicant intimately, and are in a position to answer any enquiries that may be made of them. They should not be relations, and should be holders of responsible positions who are acquainted with the applicant's character and work in recent years. The names of Officers of the Board of Education should not be given.)

19. Copies of testimonials from—

W. E. SUMPNER, Esq., D. Sc., (London), M.I.E.E., Principal, Birmingham Municipal Technical School, Past-Chairman of the Birmingham Local Section of the Institution of Electrical Engineers.

Professor ALFRED HAY, D. Sc., M.I.E.E., Professor of Electrical Engineering, Indian Institute of Science, Bangalore.

Professor GISEBERT KAPP, D. ENG., M. INST. C. E., M.I.E.E., Professor of Electrical Engineering at the University of Birmingham, Past President of the Institution of Electrical Engineers.

The late Professor J. H. POYNTING, M. Sc. Sc. D., (Cantab.), F.R.S., late Dean of the Faculty of Physics, Birmingham University.

Professor W. RIPPER, D. ENG., M. INST. C.E., Dean of the Faculty of Applied Science, University of Sheffield.

M. RAILING, Esq., Director, General Electric Company, Past Chairman of the Birmingham Local Section of the Institution of Electrical Engineers.

Original testimonials may be required, should the applicant be selected for interview. Copies of testimonials should be submitted in duplicate.

20. *Observations.*—My present salary is Rs. 625—750+10 per cent. of this retiring allowance+Rs. 100 house allowance (or house free).

(Subjects the applicant is prepared to teach and any special qualifications or experience (e.g. music and singing, commercial subjects, languages, literary work, organization or inspection) not mentioned under heads 13-17 above should be given here.

Electrical Engineering and Cognate Subjects—

1903 to 1912.—During this period the candidate held the position of Senior Lecturer and Demonstrator in Electrical Engineering at the Birmingham Municipal Technical School. In this capacity he had full control of all classes in Electrical Engineering, and gave Senior and Advanced Lectures.

In addition he was responsible to the Principal for the organization, equipment and development of the Electrical Engineering Laboratories and Workshops. This work involved the design, preparation of drawings, drafting of specifications, erecting, arrangement for laboratory works of six switch-boards, 50 Machines and

Special experience in organisation.

Transformers (total 200 K. W.), 120 measuring instruments at a cost of about £3,000. The plant is capable of employing 50 students simultaneously on Machine Testing.

The candidate developed an original scheme of testing, whereby every student received on each attendance full written individual instructions how to carry out his test on a particular machine and to work out and to plot the results.

The students dealt with ranged from the ordinary artisan youth to works' managers, engineers to large firms and the Corporation, members of their technical staffs, graduates of London and other Universities, some of whom obtained their degrees from the School.

Afternoon Apprentice Courses in Electrical Engineering were organised and conducted by the candidates.

ORDINARY.

PRESS SLIP.

PREFERENCE.

URGENT (a).

EDUCATIONAL
LEGISLATIVE DEPARTMENT.

Current No. 4332 dated 7 12 1905.
G.O., No. 1404, dated 13 12 1905.

Number of MS. pages sent { Correspondence including order or orders (b)
(b) Notes, nil

Docket.....

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(b) For rules regarding printing of notes, see the rules in G.O., No. 1220, Public, dated 30th November 1900.

(c) The number of copies and the details of distribution should be filled in by the Superintendent or reference concerned.

(d) In the absence of special instructions to the Press to keep matter standing for a specified period, ordinary papers of 8 pages and under will be kept standing for one week, and larger papers for two weeks only. The type of notes and of all confidential papers is distributed immediately after striking.

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INSTRUCTIONS FOR THE PRESS.

(a) If, in the opinion of the Superintendent of the Press, a paper has been marked urgent unnecessarily, he should send the Press slip to the Deputy Registrar with a remark to that effect.

(b) Unless a note to the contrary is made against the matter, pencil entries should not be printed. The Superintendent of the Press may bring to the notice of the Deputy Registrar any instance of incomplete or careless editing.

(c) Signature copies of letters to the Secretary of State or to the Government of India should be printed on hand-made paper.

(d) This slip should be returned by the Press to the Secretariat when proofs are furnished; it will be sent back to the Press when proofs are returned corrected and should be finally returned to the Secretariat when struck-off copies are supplied.

(e) The names of the Secretary and Members should be printed in full when they occur on the right hand side, but only the first time when they appear on the left side, the initials alone being printed later.

Number (c) of copies required when struck off (not including copies for volumes and editors' table which are retained in the Press).

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~~OOTY.~~

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(b) Three copies of proof of all notes should be sent for approval, except when instructions are given to the contrary.

Mr. H. B. Matthews SPECIAL INSTRUCTIONS.

Forwarding to the Govt. of India a statement showing the age, places of education and the educational qualifications of — who has been appointed Professor of higher electrical engineering in the College of Engineering, Madras.

TO BE FILLED IN BY THE PRESS.

Diary.	Initials of Press Official.		
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