

LLOYDS REGISTER SCHOLARSHIPS AND ESSAY COMPETITIONS.

Attention is directed to the following named awards in connection with the Institute, and the Regulations anent these:—

LLOYD'S REGISTER SCHOLARSHIPS (One Open for 1921).

SIR ARCHIBALD DENNY AWARD.

STEPHEN AWARDS.

JOHN I. JACOB'S MEMORIAL AWARDS.

Lloyd's Register Scholarships. These Scholarships, two in number, were founded in 1908 through the instrumentality of the late Mr. Jas. Dixon (Chairman, Lloyd's Registry of Shipping), Past President of the Institute. They were each tenable for two years at £50 per year, and are now £100 per year for 3 years. The Committee of Lloyd's Register have kindly added one more to make three available.

Application should be made by intending candidates not later than March 10th, in order that arrangements may be made for the examination which will be held in June or early in July. The examination will take place simultaneously in various centres selected to suit the convenience of candidates. The rules and regulations, with lists of subjects for examination, are as follows:—

I. The Scholarship is open for competition by examination to candidates who are British subjects*, and Graduates or Associates of the Institute of Marine Engineers, apprentices or junior engineers (not necessarily connected with the Institute), the age limit being not under 18 or over 23 years. Preference will be given, in the event of equal marks, to the candidate who has been connected with the Institute for the longer period. The successful candidate, if not already associated, must join the Institute in the grade for which he is qualified.

II. The Scholarship is intended for the assistance of Marine Engineering Students, desirous of gaining higher attainments, to better qualify them for the duties of life in their chosen profession. An undertaking must be given by the successful candidate that he will continue his studies for the full period of the term, extending over three years.

III. The examination papers will be set from and based upon the following subjects and the award will only be given in the event of a candidate showing sufficiently good qualifications.

- (a) Arithmetic, including the Metric System, and Algebra, to Quadratics.
- (b) Elements of Statics, Dynamics, Thermodynamics, and Hydrostatics.
- (c) Geometry, based upon Euclid, Books I., II., III., and IV.
- (d) General Knowledge, English Composition.
- (e) Mechanics, Principles and Problems.
- (f) Language, Elementary French, German, Italian, Russian or Spanish, Construction and Translation.
- (g) Plane Trigonometry, including Logarithms.
- (h) Practical Engineering and Workshop Practice.

* "British subjects" denotes all subjects who are of British parentage in its Imperial sense.

IV. The object and intention of the Scholarship is to enable an Apprentice Engineer, or young Marine Engineer, to undertake or continue a course of study at the day classes of a University or College, and will only be tenable while such studies are being continued, and for three years.

V. The holder of the Scholarship must show satisfactory progress in his course of study at the termination of the first session, in addition to which it is desirable that he should satisfy the Committee as to the employment of his time during the recess.

VI. The Scholarship, the conditions attached to it, and the continuance of it, are entirely reserved in the hands of the Council, who may cease to continue it, or may alter the terms from time to time, on six months' notice prior to the date appointed for the examination.

VII. As the object of the Scholarship is to provide means for young engineers to add to their proficiency as Marine Engineers, only those are eligible who have served at least two years in a commercial engineering workshop, and until the time of application have been employed at engineering, either ashore, afloat, or at College, with the intention of entering upon the business of Marine Engineering, but not necessarily to remain a sea-going engineer.

VIII. Subject to the approval of the Council, the successful candidate may choose the University or College most convenient to himself, but he must take all the classes in the recognised curriculum for engineering students at the University or College chosen.

ESSAY COMPETITIONS.

Sir Archibald Denny Award, value £4, in Books or Instruments. This is open to sea-going Members only.

Two Stephen Awards, value £2 each, in Books or Instruments, or towards payment of class fees. These are open to Associate Members and Associates.

John I. Jacob's Memorial Award, value £2, in Books or Instruments, or towards class fees. This is open to Graduates and Student Graduates.

John I. Jacob's Memorial Open Competition Award, value £2, in Books or Instruments, or towards class fees. This is open to Graduates, Student Graduates and Apprentice Engineers who are eligible for the position of Graduates.

These awards will be granted to the writers of the best papers—if deemed of sufficient merit—as undernoted, or the amounts may be divided if the merits of the papers are such as to render a division desirable.

Sir Archibald Denny Award for Sea-Going Members.—Subject, “Hints and Deductions from Practical Experience which may be useful towards improving ship and engine design. Reports upon Consumption of Coal or Oil; water per I.H.P. per hour or similar comparison to show results.”

Award for Associate Members.—“Steam Boilers; application of Heat to obtain best Results in Maintenance of Steam and Circulation; comparative Merits of Fuels, Coal and Oil.”

Award for Associates.—“Engine-Room Auxiliaries; their Services in respect to Economy and Safety.”

Award for Graduates and Student Graduates.—“The Main Engine Shafting from and including the Crank Shaft; how lined off and fitted into a new vessel from the Propeller; also the Stern Tube, with detailed description of the latter.”

Award for Open Competition.—The Internal Combustion Engine; historic sketch and comparison with the steam engine; the use of oil versus coal.

The Paper, to be the certified sole work of the competitor, may consist of approximately 2,000 words, to be signed with a *nom-de-plume* (the name and address of the writer being also enclosed in a sealed envelope with the *nom-de-plume* written on the outside), and to be delivered addressed to "The Secretary, Institute of Marine Engineers, The Minories, Tower Hill, London, E., not later than October 1st. The wrapper containing the paper should be endorsed "Sea-going Member," "Associate Member," "Associate," "Graduate," or "Open Competition" as the case may be. Associates and Graduates are allowed the option of selecting the subject and competing in the class above them, but no candidate can compete for more than one award.

Student Graduates.—Applications to sit at the examinations will be received till March 30th.

Dates and Subjects:—

Tuesday, May 10th.—10-1, Theoretical Mechanics; 2-5, Heat and Heat Engines.

May 11th.—10-1, Machine Construction and Drawing; 2-5, Applied Mechanics.

May 12th.—10-1, Mathematics, including Geometry; 2-5, English Language, including Composition.

May 13th.—10-1, Electrical Engineering.

Candidates (engineering apprentices and/or pupils after a 12 months Technical School course) may take all the subjects set for the pass, or for one or more days, and complete the requirements subsequently. An award or awards will be given in the event of the examination being passed with a high degree of credit.

Examination Fee, 2s. 6d.; Entrance Fee to the Institute, 7s. 6d.; Annual Subscription, 5s.

