

INSTITUTE OF MARINE ENGINEERS
INCORPORATED

SESSION



1908-1909

President: JAMES DENNY, Esq.

REPORT OF THE PROCEEDINGS

AT THE

ANNUAL MEETING

HELD AT

58, ROMFORD ROAD, STRATFORD, E.,

ON FRIDAY, MARCH 19TH, 1909

CHAIRMAN :

JAMES DENNY, Esq. (PRESIDENT).

Programme of the
Twentieth Annual Meeting

ON FRIDAY, MARCH 19th, 1909,

HELD AT

58, ROMFORD ROAD, STRATFORD, E.

Chairman: JAMES DENNY, Esq. (PRESIDENT).

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| 7.0. The CHAIRMAN. | 8.40. Vote of Thanks to Office Bearers and Members of Council.
Proposer, Mr. J. R. RUTHVEN (Member).
Seconder, Mr. W. C. ROBERTS, R.N.R (Vice-President).
Response, The HON. SECRETARY. |
| 7.5. Appointment of Scrutineers.
Proposer, Mr. R. H. DALTON (Member).
Seconder, Mr. ROBT. BRUCE (Member). | 8.50. Vote of Thanks to and Appointment of Hon. Auditors (Messrs. J. CLARK and A. Robertson).
Proposer, Mr. J. H. REDMAN (Member).
Seconder, Mr. J. T. MILTON (Member of Council). |
| 7.10. The Annual Report.
The HON. SECRETARY. | 9.0. Recommendations from Members. |
| 7.25. The Financial Statement.
The HON. TREASURER. | 9.45. Report of Scrutineers.
Messrs. J. C. ANDERSON and F. M. TIMPSON. |
| 7.40. Adoption of Reports.
Proposer, The PRESIDENT.
Seconder, Mr. ROBT. LESLIE, R.N.R. (Vice-President). | 9.55. Vote of Thanks to Chairman.
Proposer, Mr. J. E. ELMSLIE (Member of Council).
Seconder, Mr. A. E. SHARP (Member). |
| 8.25. Vote of Thanks to retiring President.
Proposer, Mr. W. T. SEATON (Member).
Seconder, Mr. T. F. AUKLAND (Companion). | |

SESSION



1908-1909

President : JAMES DENNY, Esq.

Minutes of Proceedings

AT THE

Annual Meeting of the Institute of Marine Engineers

HELD IN THE

INSTITUTE PREMISES, 58, ROMFORD ROAD, E.

On FRIDAY, MARCH 19, 1909.

CHAIRMAN : JAMES DENNY, Esq. (*President*).

THE Twentieth Annual General Meeting of the Institute of Marine Engineers was held at 58, Romford Road, Stratford, E., on Friday, March 19, 1909.

The Chairman formally opened the meeting, and Mr. R. H. Dalton then proposed that Messrs. J. C. Anderson and F. M. Timpson be appointed as Scrutineers. The motion was seconded by Mr. Robert Bruce, and these gentlemen were unanimously elected. The Scrutineers then retired to carry out the duties and report the result during the course of the evening.

The Chairman then called upon the Hon. Secretary to read the Annual Report as follows :—

ANNUAL REPORT FOR YEAR 1908-9

IN presenting the Twentieth Annual Report of the Institute of Marine Engineers to the members, it seems fitting that a few prefatory comments should be made on the progress which

has been witnessed since the Institute was founded and proceedings opened by the establishment of a small reading room on February 1st, 1889, in the Langthorne Rooms, Stratford. The preliminary work of arranging and organizing was initiated in the autumn of 1888. A circular was framed and a large number of copies issued, calling a meeting of marine engineers interested in the aims and objects set forth as a basis for the proposed Institute. The attendance at the meeting was very discouraging, very few were present, and although it appeared to the majority of those who met to discuss the question that apathy rather than enthusiasm was the predominant feature in the situation, the minority was possessed with the important factor of enthusiasm and urged that a committee should be formed at once to go ahead and risk the following. It was so determined, and the justification was soon made manifest. The first sovereign subscribed was by a chief engineer—John Tait, now gone to his rest, who, at one of the Committee meetings, recognized that expenses had already been incurred and were being incurred, and it was necessary to form a fund. It is a pleasant reminiscence and an appropriate one that a sea-going marine engineer should be the one to lay down the first coin to establish an Institute for the advancement professionally of marine engineers. The Committee appointed their office bearers and set to work organizing, with the result that enthusiasm gathered, and the Reading Room was opened; then followed the opening paper and discussion. The membership increased to an extent which justified the incorporation of the Institute in July 1889. The work prospered, and confidence in its stability having been established, the Council looked around for freehold premises, obtained subscriptions, and after much searching and deliberation, the premises at 58, Romford Road, were purchased, and fitted up for the efficient carrying on of the operations. With these few words on the initiation of the Institute, we turn to the Report of the year ending January 31st, 1909.

It is with extreme pleasure that the Council notes the increase in the activity and in the value of the work of the Institute during recent sessions, and especially during the past session. The attendances at the various meetings held in the home premises have been better than formerly; the papers and lectures given have been well worthy of the support they have received, some by reason of their great practical utility, others,

on account of their suggestions as to application of new methods of motive power and power transmission, indicative of the advance in engineering science. Additional incentives to professional study have been offered to the various grades of the membership, and in each of the other branches of the Institute's operations, improvement and greater efficiency have prevailed. The increased number added to the membership roll during the year is another matter for congratulation, but a regrettable feature is the number of members whose names have had to be removed through non-payment of subscriptions. This has been due, largely, to members omitting to notify changes of address, and it is therefore urged that notification of such changes be duly sent as occasion requires. It is suggested that it might add to the convenience of members in regard to payment of their subscriptions if they gave instructions to their Bankers or those entrusted with their finances to pay their subscriptions when due.

Obituary Notices.—The Council regrets to have to place on record loss of the following members by death, and takes this opportunity of again tendering sympathy to the bereaved relatives:—

Mr. JAMES BLACK (Member), was elected in November, 1898. He was for some time engaged in the Albert Dock Engine Works, and Messrs. Price's, of Birkenhead, where he served his apprenticeship. Latterly he was employed at the Dry Docks at Southampton, where he died in February, 1908.

Mr. JOHN CORRY (Companion): Born at Belfast in 1831. Mr. Corry was keenly interested in the design and construction of machinery in his younger days. After a short career as an architect he entered the firm of Messrs. James P. Corry & Co., managing owners of the "Star" line, in 1859, in which company he ultimately became senior partner. He was President of the Institute during session 1901-2, and on the occasion of the Annual Dinner that year he read the poem on "The Engineer," by the late Mr. J. A. Rowe. Mr. Corry was President of the Chamber of Shipping in 1885, and was a member of the Committee of Lloyd's Register for thirty years.

Mr. WM. DAVIES (Member) died at Galveston of yellow fever in February, 1908. He served his apprenticeship with

Messrs. Laird Bros., of Birkenhead. His first voyage was in the *Kendal Castle* and he was afterwards guarantee chief for Messrs. Laird Bros., on the Chilian torpedo boat *Capitan O'Brien*. Subsequently he acted as assistant manager for the Perim Coal and Salvage Co., at Perim, and his last voyage was on the Booth S.S. Co's s.s. *Crispin*. He was elected a member in April, 1907.

Engineer-Captain R. W. EDWARDS, R.N. (Member), served as a student in H.M.S. dockyard at Keyham, and joined the Royal Navy in 1874. He was promoted through the various grades to that of fleet engineer, and during the South African war he achieved distinction by his services in that capacity on H.M.S. *Powerful*. He was afterwards promoted to be Engineer Captain. His death took place suddenly while away in the North of Scotland cruise in the *Agamemnon* on duty as Engineer Captain with a division of the Home Fleet. He was elected a member in July, 1901, and was Vice-President as representative of the engineers of the Royal Navy.

Mr. EDWARD ELLIOTT (Member) died on March 5, 1908, at Bombay. He served his apprenticeship with Messrs. D. Rowan & Sons, and Messrs. Chaplin & Co., both of Glasgow, afterwards being engaged for two years in the Clyde Shipping Co.'s steamers. He joined the British India Steam Navigation Co. in 1881 and was promoted through the various grades to chief engineer. In 1886 he was appointed workshop foreman at Mazagon, Bombay, which position he held at the time of his death. He was elected a member in October, 1894, and Vice-President in 1907.

Mr. J. F. ELLIS (Member) died on December 15, 1908, at Bona in Algeria. He began his career with Messrs. Blythe & Co., Millwall, completing his apprenticeship with Messrs. Davies' Steam Steering Gear Co., Limehouse. After a short sea experience he joined the Royal Indian Marine as Assistant Engineer, serving ten years in that capacity and afterwards as Engineer. He held both the China and South African Medals. He was elected a member in October, 1903.

Mr. A. GIBB (Member) was born in Glasgow in 1850. His first years of service were with Messrs. Barclay, Curle & Co., of Glasgow, and he was afterwards a draughtsman for

some time with a firm of engineers at Millwall. Originally appointed works manager, he ultimately became managing partner in the firm of Messrs. Rait & Gardiner. He was an alderman of the borough of Greenwich, where he was much esteemed for his philanthropy and public service. His connexion with the Institute dated from the first year of its existence, he having been elected a member in January, 1889.

Mr. G. A. HARRIS (Member) died in April, 1908, from heat apoplexy, while on a voyage from London to the Colonies as chief engineer of the s.s. *Omrak*. He was born at Greenwich in 1860. After serving his apprenticeship with Messrs. John Penn & Sons, he joined the Orient Steam Navigation Co. in 1883 as junior engineer in the s.s. *Cusco*, subsequently occupying the positions of second engineer of the *Chimborazo*, and chief engineer of the *Lusitania*, *Austral* and *Orient*. He received the King's decoration for his services in connexion with the transporting of troops during the South African war. He was elected a member in August, 1891.

Mr. HARRY JEFFRIES (Member) was apprenticed with Messrs. J. Simpson & Co., of Pimlico, in July, 1894. In 1902 he entered the service of the Asiatic Steam Navigation Co. as fifth engineer, and in 1907 was appointed second engineer of the s.s. *Bahadur*, which position he held at the time of his death. He died of enteric fever at the General European Hospital, Bombay, in July, 1908, at the early age of 31 years. He joined the Institute in February, 1907.

Mr. JOHN McLACHLAN (Member) died at Glasgow in March, 1908. He served his apprenticeship with Messrs. Nelson, Bros., of Glasgow, and was elected a member of the Institute in January, 1891.

Mr. KENNETH McINNES (Member) was born at Kilbrandon, near Oban, in 1853. After serving his apprenticeship with the Fairfield Shipbuilding and Engineering Co., he joined the Orient Steam Navigation Co. as a junior engineer in 1880. He was appointed in 1886 to the s.s. *Ormuz*. Three years later he took up the position of chief engineer of the s.s. *Orient*, subsequently holding that position on the s.s. *Ormuz* till the

time of his death on March 21, 1908. He was elected a member in 1890.

Mr. WM. RAMSAY (Member) was born in 1850 at Leith, his apprenticeship being served with Mr. T. M. Tenant of that town. He afterwards worked for some time in Newcastle, then went to sea as third engineer in 1872, joining the s.s. *Riga*, belonging to Messrs. D. R. MacGregor & Co., of Leith. He remained in that Company (which was afterwards formed into the Scottish Oriental Co.) till April, 1893, serving as third, second, chief and superintendent engineer, and when Messrs. Butterfield & Swire (China Navigation Co.) took over the agency of the Scottish Oriental Co. in 1893, Mr. Ramsay was appointed superintendent engineer of the joint companies at Hong-Kong. He died on board the German Mail s.s. *Roon* in the Red Sea while on his way home for medical treatment in July, 1907. He joined the Institute as a member in October, 1893.

Mr. J. S. ROGERS (Associate) died in October, 1908. In his younger days Mr. Rogers was a noted designer of yachts and sailing craft in the Bristol Channel. He had a large business in Cardiff since he was eighteen years of age; also at Plymouth, where he was engaged in general repairing, yacht and tug building. He was elected an Associate in April, 1896.

Capt. A. R. SMITH (Companion) was a marine superintendent and shipowner, well known in Cardiff, where he died in 1907. His association with the Institute as a companion dates to October, 1899.

Mr. WALKINSHAW STEVENSON (Member): After serving his apprenticeship at the Britannia Works, Kilmarnock, Mr. Stevenson joined H.M. Indian Marine at Calcutta, and some time afterwards transferred his services to the British India Steam Navigation Co., with which Company he was engaged for nearly twenty years. He came home from India in October on furlough, and died at Kilmarnock in February, 1908. He was elected a member of the Institute in December, 1906.

Membership Roll.—The roll of membership to the end of January 1909 was as follows:—

GRADE	1908. Roll Jan. 31	Lapsed.	Trans. from.	Trans. to.	Died.	Re- signed.	Elected.	1909. Roll Jan. 30.
Past Presidents (Non-Members)	8	—	—	—	1	—	—	7
Hon. Vice-Presidents	1	—	—	—	—	—	—	1
Hon. Members	1	—	—	—	—	—	—	1
Members	781	35	—	11	11	12	62	796
Companions	62	3	1	—	2	1	7	62
Associate Members ..	61	2	2	1	—	—	11	69
Associates	48	4	2	2	1	—	2	45
Graduates	25	—	2	—	—	—	8	31
Probationary	23	6	7	—	—	—	15	25
TOTALS	1,010	50	14	14	15	13	105	1,037

The President.—The Institute has been fortunate in again having as President a member of the Denny family, whose cordial sympathy with, and support of, the work of the Institute have been a source of gratification to the members from the first year of its existence. The tributes paid on the occasion of the Annual Dinner to Mr. James Denny, in virtue of his professional eminence and personal charm, are evidences of the respect and esteem in which he is held by the engineering community, and the Council records with pleasure its high appreciation of his readiness to place himself at the service of the Institute. The Presidential Address was delivered on October 5th, when Mr. Denny gave some of the results of his observations during his long experience in marine engineering.

Papers and Lectures.—The following is a list of the papers read and lectures delivered during the session :—

1908.

- Feb. 3. The Treatment of Copper for Steam Pipes. By Mr. J. T. Milton (Member of Council).
- Feb. 10. Part II of above lecture.
- Feb. 24. Fertility of Resource in the Engine Room. By Mr. J. G. Hawthorn (Hon. Min. Secretary).
- Mar. 2. The Organization of the Personnel in Engineering Works. By Mr. Matthew Lang (Assoc. Member).
- Mar. 9. Artificial Illumination, Historical and Practical. By Mr. A. E. Battle (Member of Council).
- Mar. 23. History of Lloyd's. By T. F. Auckland (Companion).
- Mar. 30. An Improved Forced Draught Arrangement. By Mr. J. Macdonald Stratton (Member).
- July 18. The Generation and Electrical Transmission of Power for Main Marine Propulsion and Speed Regulation. By Mr. W. P. Durtnall (Member).
- Sept. 5. The Corrosion and Decay of Metals. By Mr. J. T. Milton (Member of Council).

- Oct. 5. Presidential Address. By Mr. James Denny.
 Oct. 12. Thrust Bearings. By Mr. Geo. B. Woodruff.
 Oct. 19. Timber used in Marine Installations for the Carriage of Refrigerated Cargoes. By Mr. C. M. B. Dyer (Member).
 Nov. 9. Scientific Boiler Control. By Mr. G. A. H. Binz.
 Dec. 7. Ventilation by Induced Currents. By Mr. Robt. Gregory.
 Dec. 14. The Gas Engine and Producer Gas Plant, and its adaptability for Marine Work. By Mr. E. Shackleton.
1909.
 Jan. 25. Some Notes on the International Congress of the Refrigerating Industries, held at Paris. By the Hon. Secretary.

Appended to this report will be found a complete list of papers and lectures given since the foundation of the Institute, which it is considered will prove of considerable interest at this time.

Experimental Department.—Various fuel tests have been conducted under the convenership of Messrs. J. Clark and W. McLaren, the results being duly entered in the report book and copies of the report sent on to the members on whose behalf the tests were made, and to other members who have made application. On one evening a demonstration was given showing the analysis of flue gases by means of a CO₂ recorder, the boiler-house of the Municipal Technical Institute being very kindly placed at our disposal for the occasion by Mr. Duncan, head of the engineering department.

The work of this department has hitherto been confined to fuel testing, and the desire has been expressed that its scope should be widened in order to embrace facilities for conducting tests to ascertain the conductivities of insulating materials and other tests which would be of value to the members. It is hoped that financial assistance may be received during the coming session which will make it possible to carry this desire into effect.

Visits.—The following visits were made during the summer months :

- April 11th. The West Ham Power Station.
 May 16th. Messrs. Geo. Jennings, Ltd., Lambeth.
 July 18th. The Franco-British Exhibition.
 September 5th. The Franco-British Exhibition.

On the occasion of the first visit to the Exhibition the members met in the Congress Hall in the evening, when Mr. W. P. Durnall read his paper on "The Electrical Transmission of Power for Main Marine Propulsion," and on the second occasion

Mr. J. T. Milton (Member of Council) delivered a lecture on "The Corrosion and Decay of Metals."

A course of visits for the coming summer months is being arranged for Saturday afternoon in April to September and the announcements will be issued in due course. It is probable that an Exhibition will be held at Shepherd's Bush during 1909, when greater prominence will be given to subjects with which engineers are immediately concerned. The Council is in touch with what is in contemplation by the promoters with a view to co-operate.

Congress of the Refrigerating Industries.—The first International Congress of the Refrigerating Industries was held at Paris from October 5th to 12th, when the Institute was officially represented by the Hon. Secretary. The importance of this gathering and the varied nature of the subjects treated may be gathered from a reference to the notes on the Congress read by the Hon. Secretary on Monday, January 25th, 1909.

Congress of the International Association for Testing Materials.—An International Congress in connexion with the Association for Testing Materials is to be held at Copenhagen in September, 1909. The President has been invited to attend, and the Institute is further invited to appoint a representative to the Congress.

AWARDS.

Lloyd's Register Scholarships.—As a result of the generous offer of Mr. James Dixon, Chairman of Lloyd's Register of Shipping, made at the Annual Dinner in October, 1907, the Council has pleasure in placing on record the establishment, under the auspices of the Institute, of two Scholarships, to be known as the "Lloyd's Register Scholarships," each to the value of £50 per year, tenable for two years. Owing to the necessity of completing the examination before the beginning of the college terms in October, very little time was at the disposal of the Awards Committee to formulate arrangements and details before giving publicity to the scheme, to allow of intending competitors to prepare; consequently there were but few applicants eligible to sit for examination. The examinations were held on September 18th and 19th, simultaneously in Glasgow under the supervision of Mr. James Stark, and in Newcastle-on-Tyne, under the supervision of Mr. James Stewart, to whom

the regulations and questions were forwarded; the papers executed by the candidates were returned and adjudicated upon under the direction of the Awards Committee, whose work in connection with this is recognized as having been very exacting and worthy of special note. The winner was declared to be Mr. James Richmond Thomson (Graduate), 19 years of age, apprentice with Messrs. Wm. Beardmore & Co., Ltd., of Clydebank, who elected to enter Glasgow University, where he is now pursuing his studies. The subjects of the examination papers were as undernoted:—

	Max.
a. Algebra, including Quadratics	200
b. Elements of Statics, Dynamics, Thermodynamics, and Hydrostatics	200
c. Euclid, Books I, II, III, and IV	200
d. General Knowledge, English Grammar and Com- position	200
e. Mechanics, Principles and Problems	200
f. French, Construction and Translation	200
g. Plane Trigonometry, including Logarithms	200
h. Practical Engineering and Workshop Practice	200
Total	1,600

This additional opportunity is taken of expressing the thanks of the Council to Mr. Dixon and the Committee of Lloyd's Register for their generosity in founding these valuable scholarships, also to the Awards Committee for their painstaking labour, and to Messrs. Stark and Stewart for the time and labour expended in connection with the examination.

Denny Gold Medal.—The Denny Gold Medal was awarded to Mr. Robert Elliott, B.Sc. (Vice-President), of Greenock, for his paper on "Repairs to the Hull of Iron and Steel Ships and to Machinery," read during session 1907-8. This medal is open for competition to the whole of the membership of all grades.

Stephen Award.—It has been decided to devote the interest on the Stephen legacy to the purchase of books or instruments to the value of £2 each for the Associate Member and the Associate who contribute the best papers on the following subjects, provided they be of sufficient merit:—

Associate Member.	"The Turbine for Marine Work."
Associate.	"Feed Heating," with descriptions of any types which have been seen by the writer.

The papers to be the certified sole work of the competitor, to 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, 58, Romford Road, Stratford, London, E." not later than July 1st, 1909. The wrapper should be endorsed "Stephen Award Paper."

Ritchie Award.—By the kindness of Mr. A. Ritchie (Member), of Hong-Kong, books or instruments to the value of £2 will also be awarded to the graduate of the Institute who sends in the best paper on "The Functions of Air and Circulating Pumps," with descriptions of any types which have been seen by the writer, subject to the same conditions as stated for the Stephen award with the exception that the wrapper should be endorsed "Ritchie Award Paper."

RECREATION SECTION.

Annual Dinner.—The Annual Dinner was held at the Holborn Restaurant on October 28th. The official report of the Dinner has already been issued.

Annual Conversazione and Ball.—Owing to Mr. F. Cooper's removal to Birmingham, Messrs. A. H. Mather and J. McLaren kindly acted as Joint-Conveners for the Annual Conversazione and Ball, which was held in the Holborn Restaurant on December 11th, and, in view of the short time left to them for making the arrangements, are to be congratulated on the undoubted success of the evening. A pleasing feature was the attendance of the President and Mrs. Denny, who held a reception immediately after the Concert and before the commencement of the Ball.

The Council notes with regret that the financial aspect of these functions, during recent years especially, has not proved so gratifying as the social, and arrangements are being made which it is hoped will obviate this defect in succeeding years.

Bohemian Concerts.—The following Bohemian Concerts have been held in the premises of the Institute :—

Feb. 14th, 1908.	On the invitation of Mr. A. E. Battle.
Mar. 13th, 1908.	„ „ Mr. F. Cooper, R.N.R. and others.
Oct. 16th, 1908.	„ „ Messrs. W. Lawrie and John Weir.
Nov. 20th, 1908.	„ „ I.M.E. Tennis Club.
Jan. 18th, 1909.	„ „ Messrs. J. Adamson and W. E. Farenden.

The large attendances at these Concerts are sufficient to indicate their enjoyable nature, and the thanks of the Council are due to the Conveners, who have borne the expenses and all the arrangements in connection with these pleasant gatherings, which are practically "At Homes," especially for the juniors and the sons and daughters of members at sea.

City Premises.—The Committee appointed by the Council to consider and report upon the subject of the proposed new premises for the Institute had before them the suggestions either to rent rooms in the City where members might meet during the day and in the evening, retaining the Institute at Stratford as the headquarters, or to dispose of the Institute building and purchase or build new premises. The undernoted premises have been personally inspected by one or more members of the Committee, and their suitability in regard to situation, accommodation and cost carefully considered.

Premises for sale near Charing Cross were considered to be fairly suitable, but a good deal of expense would have been necessitated to adapt them for the use of the Institute, added to which there was the responsibility of letting the portion which would not be required. The necessity for almost immediate tenancy was another feature which militated against these premises.

Some buildings were examined near Bishopsgate Street, but the situation and surroundings were not considered quite suitable, while the rental of £256 per annum, added to the other costs of adapting this building for the purposes of the Institute, were prohibitive.

Various buildings in Fenchurch Street, the Minories and elsewhere were inspected and reported upon, but in each case the rents to cover the requirements were prohibitive, ranging from £40 to £110 per room, and in several cases the use of the premises for evening meetings was not allowed.

Bishopsgate Institute.—Negotiations were opened with a view to renting rooms in this Institute and the premises were examined and particulars obtained. Ultimately, after the Committee of the Bishopsgate Institute had the matter under consideration, it was found that the spare rooms would probably be required by themselves in the near future and they were not disposed to let them.

London Institution.—Negotiations were opened with the London Institution whose wealth of property, of library, and opportunity for good are well known, but these were delayed pending the decision of the trustees and fellows of that Institution regarding the question of rebuilding on the present site, and considerations affecting the charter and other internal points. A tentative proposal was made, in which case they offered to provide suitable accommodation for the sum of £2,000 per annum. This was thought too heavy an expense for the Institute to bear. Subsequently the Institution adopted another line of policy in connection with the rebuilding and adaptation of the proposed new building; negotiations were again opened and are now proceeding. Their most recent proposal, and which is likely to be carried into effect by the heritors, is to unite with the Society of Arts and erect a fine building to suit the purpose of their joint occupation at Kingsway.

Institution of Electrical Engineers.—Application was also made to see if an arrangement could be arrived at with the Institution of Electrical Engineers to rent or take over some of the rooms in the building on the Thames Embankment which the Institution is about to occupy. The Committee of that Institution are still considering the matter, but stated that as they did not enter into possession until June, a few months might elapse before they could make any arrangements to accommodate the Institute should they be disposed to lease any of the rooms.

After fully considering the various proposals, and with a full knowledge of the comparative values and advantages of situation, the Committee are of opinion that when the Institute makes a move it should be to the neighbourhood of Westminster, chiefly because of the prohibitive cost of ground rents and buildings within the boundary of the City of London, in addition to which the Westminster neighbourhood would pro-

bably be more convenient. They also consider that it would be highly inadvisable to rent rooms, which would entail a heavy revenue expenditure annually, thus frittering away a large amount of money which might be saved or put aside and devoted to the purpose of ultimately acquiring premises. As a tentative scheme they therefore proposed that an effort should be made to raise the sum of £12,000, with the object of purchasing a building in the selected neighbourhood. If it were necessary part of the building could be mortgaged and the interest on the mortgage raised by sub-letting a portion of the proposed new premises.

Some months ago a circular was issued to every member of the Institute asking him to favour the Committee and Council with his views on this subject generally, but a very small number of replies was received, and it was a matter of disappointment and regret to the Committee and Council, after having devoted so much of their time to the subject, to find that only a very small minority of the members appeared to be interested in the proposed change, while the large majority seemed to regard the question as not of sufficient importance meantime to deliver an opinion upon the matter. A second circular was issued to the membership in the hope that further replies of a definite character would be received in time to incorporate with the Annual Report to be presented at the Annual Meeting of the members, or to form an addendum to it.

Several of the meetings during the session were held in the lecture theatre of the London Institution, but the attendances on those occasions were very disappointing.

The Council appreciate the thoroughness and detail with which the Committee have gone into the subject, and tenders to the members special thanks for the large amount of time and attention bestowed upon the matter referred to them for their consideration and report.

Advisory Committee of the Board of Trade.—Mr. George Shearer, the representative of the Institute on this Committee, reports that among the many subjects which received consideration, the following more particularly interest marine engineers :—

Manning of vessels ; deck and stokehold.

Suicides of firemen (Inquiry).

Ventilation of engine rooms and stokeholds.

Qualifications for a 2nd class Certificate of Competency as Engineer, as modified by the Board of Trade for the purposes of adaptation to vessels propelled by oil engines (for passenger coasting vessels only).

The Council in Committee considered these subjects in detail along with Mr. Shearer, with a view to rendering any assistance with regard to the several points involved. The two subjects last named were specially considered and have been brought before the members incidentally at the ordinary meetings for discussion in connexion with papers bearing on these subjects. The questions affecting the introduction of gas and oil engines in coasting and other vessels are growing in importance, hence the necessity of marine engineers becoming familiar with the details and working conditions of these engines is manifest.

Junior Section.—The increase of the number of junior members of the Institute attending the meetings was an encouraging feature of the session.

The annual New Year's Eve social evening and dance, on the invitation of the Conveners of the junior section, Messrs. J. G. Hawthorn and J. Lang, R.N.R., maintained the high standard of excellence and met with the thorough appreciation which this function has evoked since its inception. Proposals are now being made among the members of the Junior section, under the guidance of the Conveners, to arrange meetings for that section exclusively, for the reading of papers and holding of discussions, also to arrange visits to works and in other ways to assist in the development of the section.

Lawn Tennis Club.—The Lawn Tennis Club has shown a good deal of activity during 1908-9, with a membership of 28. The session proper was opened by a social gathering on May 2, and closed by a similar event on September 26, both being held in the premises of the Institute. Two gold medals, kindly provided by Mr. John McLaren (Recreation Joint Convener and President of the Club), were awarded at the close of the season to the players—one lady and one gentleman—most successful in scoring at the tournaments held in the course of the season. The members of the Club met from time to time during the off season to maintain continuity of membership to some extent, and on November 20 provided the con-

cert which was held at the Institute premises on that date. It is desired to call the attention of members to the existence of the Club with the object of enrolling names for the coming season. The Finances of the Club show an expenditure of £35 8s. 7d., and income of £37 10s. 11½d., with a balance to credit of £2 2s. 4½d. Mr. Alf. Robertson (Member) was captain, and Mr. J. H. Redman (Member) secretary.

Transactions.—The arrangement of issuing the Transactions monthly has evidently met with the approval of the entire membership, and still brings forward letters of appreciation from members in different parts of the world. Members are requested to notify the Secretary should they not receive their copies during the course of the month.

The attention of members is called to the desirability of keeping before them notes and records of experiences in connexion with the working of machinery, which may serve as bases for papers or communications to be submitted for reading at the ordinary meetings of the Institute. The early intimation of papers in preparation will be esteemed by the Committee, to facilitate the arrangements which require to be made well in advance.

Library and Reading Room.—The Council is indebted to those members who have presented works to the library of the Institute during the session, and it is hoped that works on the latest discoveries and practice in marine engineering will be forthcoming during the ensuing year. The list of additions made during the session will be found on succeeding pages.

Press Cuttings.—Members are also invited to contribute newspaper cuttings giving items of interest or records of extraordinary occurrences which they think worthy of preservation in the pages of the press cuttings book.

Exchange of Transactions. During the course of the year the Transactions have been exchanged for those of other Institutions and Societies, a list of which is given on succeeding pages.

In all seventy-one volumes were disposed of, including the above; also copies supplied to University libraries, Colonial institutions, firms whose works were visited in the summer, etc. In addition to these a complete set of nineteen volumes was presented to the Committee of Lloyd's Register for the library

of the Society, and the Council records its further indebtedness to the Committee of Lloyd's for their very kind offer to present the Register of the Society to the Institute in future years, this valuable work having hitherto been purchased.

By-laws.—A new edition of the By-laws has been printed and copies are available on application for members who have not already been supplied.

Committees.—Undernoted are the various Committees and Conveners of the different departments of the work of the Institute for session 1908-9.

<i>Annual Dinner</i>	. . .	MR. W. I. TAYLOR.
<i>Awards</i>	. . .	THE HON. SECRETARY.
<i>City Premises</i>	. . .	MR. W. LAWRIE.
<i>Experimental</i>	. . .	MESSRS. J. CLARK AND W. McLAREN.
<i>Issue of Transaction</i>	. . .	MR. J. E. ELMSLIE.
<i>Junior Section</i>	. . .	MESSRS. J. G. HAWTHORN AND J. LANG.
<i>Library</i>	. . .	MR. J. FELL REDMAN.
<i>Papers</i>	. . .	MR. A. E. BATTLE.
<i>Press Cuttings</i>	. . .	MR. GEO. ADAMS.
<i>Property</i>	. . .	MR. JOHN McLAREN.
<i>Reading Room</i>	. . .	MR. D. HULME.
<i>Recreation</i>	. . .	MESSRS. A. H. MATHER AND J. McLAREN.

Members of Council.—The Council considers it may be of interest to note that seventy-six members have acted upon the Council of the Institute since its foundation.

On behalf of the Council,

JAS. ADAMSON,

Hon. Secretary.

REVENUE

Dr.

From 1st February, 1908, to

	£	s.	d.	£	s.	d.
To General Expenses :						
Bank Charges	0	19	6			
Postages, etc.	37	0	2			
Telegraphic Address	1	1	0			
Inscription on Medal	0	6	6			
Engrossing Certificate	2	2	0			
Stationery and General Printing, including						
Bye Laws	28	4	8			
Assistant Secretary's Salary	150	0	0			
Chartered Accountants' Fees	10	10	0			
Telephone	8	10	0			
Refrigerating Congress :						
Representatives' Subscriptions	4	0	0			
Expenses	6	0	0			
	10	0	0			
Exhibition Expenses. (Cost of Meetings held at Franco-British Exhibition, including hire of lantern, operator and preparing hall)	5	14	0½			
				254	7	10½
„ Rates, Taxes, etc. :						
Rates and Taxes	33	0	7			
Gas and Electricity	14	12	2			
Water	4	3	9			
				51	16	6
„ House Account :						
Caretakers	69	14	0			
Coals	10	2	0			
Sundries	3	3	11½			
				82	19	11½
„ Insurance,				3	15	0
„ Repairs, Additions, and Alterations				11	2	5
„ Depreciation, Furniture at Institute				16	7	3
„ Reading Room Expenses				14	15	7½
„ Books for Library				5	7	10
„ Papers and Discussions :						
Printing and Postages	464	1	9			
Hire for Lecture Halls	12	12	0			
				476	13	9
„ Interest on Denny Gold Medal Fund				10	0	0
„ Interest on Stephen's Legacy Fund				2	10	0
„ Recreation Section :						
Expenses, Dinner	186	1	6			
„ Conversation	127	3	1			
				313	4	7
„ Annual Meeting Expenses				6	12	11½
„ Opening Meeting Expenses				1	6	0
„ Transaction Section :				11	1	5
„ Legal Expenses				2	12	6
„ Experimental Department Expenses				0	6	2
„ Lloyd's Register Scholarship Account Expenses				12	12	6
				£1,277	12	4

ACCOUNT.

31st January, 1909.

Cr.

		£	s.	d.	£	s.	d.	
By Subscriptions :								
Members	.. .. .	793	1	6			
Associate Members	.. .. .	40	4	3			
Associates	.. .. .	18	3	3			
Graduates	.. .. .	5	14	2			
Companions	.. .. .	39	14	6			
		<hr/>			896	17	8	
„ <i>Less</i> Subscriptions in Advance—								
Members	.. .. .	£97	4	3			
Associate Members	.. .. .	2	10	5			
Graduates	.. .. .	0	4	7			
Companions	.. .. .	3	17	0			
		<hr/>			103	16	3	
					793	1	5	
„ Interest :								
Consols	.. .. .	14	14	0			
Transvaal Stock	.. .. .	5	14	0			
Local Loans	.. .. .	10	13	9			
Deposit Account	.. .. .	3	10	0			
		<hr/>			34	11	9	
„ Recreation Section :								
Sale of Dinner Tickets	.. .. .	126	13	0			
„ „ Conversation Tickets	.. .. .	105	11	0			
		<hr/>			232	4	0	
„ Donation, James Denny, Esq.	.. .. .	55	17	4			
„ Donation R. Clark, Esq.	.. .. .	1	1	0			
„ Donations to Library	.. .. .	1	11	0			
„ Transaction Section	.. .. .	14	3	1			
„ Advertisements	.. .. .	102	6	6			
„ General Revenue :								
Sale of Bye-Laws	.. .. .	0	1	0			
National Telephone Company (Wayleave and Calls)	.. .. .	0	9	2			
Sundries	.. .. .	0	1	8			
Billiard Table Receipts	.. .. .	0	18	6			
		<hr/>			1	10	4	
„ Balance	.. .. .	41	5	11			

 £1,277 12 4

THE INSTITUTE OF MARINE ENGINEERS.

BALANCE SHEET, 31st JANUARY, 1909.

DR	LIABILITIES.						ASSETS.						CR.
	£	s.	d.	£	s.	d.		£	s.	d.	£	s.	d.
To Sundry Creditors				80	8	4	By Cash—						
„ Subscriptions in advance				103	16	3	At Bank	189	4	2			
„ Denny Gold Medal Fund				261	13	4	On Deposit	100	0	0			
„ Stephen's Legacy Fund—							In Hand	1	12	11			
Balance, 1st February, 1908 ..	112	12	6								290	17	1
Add Interest	2	10	0				„ Sundry Debtors for Conversazione Tickets ..				7	11	1
				114	12	6	„ Investments—						
„ Revenue Account—							£618 13s. 6d. Consols 2½% ..	525	17	6			
Balance, 1st February, 1908 ..	2,695	19	10				£200 0 0 Transvaal 3% Stock	198	1	0			
Add Entrance Fees, etc., for year	116	16	3				£500 0 0 Local Loans 3% ..	494	2	3			
								1,218	0	9			
				2,812	10	1	„ Freehold of Institute Buildings				1,500	0	0
Less Balance of Revenue Account	41	5	11	2,771	4	2	„ Furniture of Institute—						
							Balance, 1st February, 1908 ..	315	12	2			
							Additions during year	11	13	0			
								327	5	2			
							Less Depreciation	16	7	3			
											310	17	11
							„ Rates and Taxes in advance				4	7	9
											£3,331	14	7

CHAIRMAN : I will now ask the Hon. Treasurer to submit the balance sheet and revenue account for the past session.

Mr. A. H. MATHER (Hon. Treasurer) : In presenting the financial statement for the session just concluded, I will commence by reading to you the report of the chartered accountants who examined the books.

To the Members of the
 INSTITUTE OF MARINE ENGINEERS,
 58, ROMFORD ROAD, STRATFORD, E.

95, Cannon Street,
 London, E.C.
February 24, 1909.

GENTLEMEN,

We have to report that we have examined and checked the accounts of your Institute for the year ended January 31, 1909.

The revenue account shows a loss of £41 5s. 11d., as compared with a profit last year of £139 13s. 8d., being a difference of £180 19s. 7d., which is mainly accounted for by the following items :—

Subscriptions have decreased by £115 3s. 3d. ; general expenses have increased £32 12s. 6d. ; paper and discussions have cost £118 6s. 11d. more.

On the other hand, repairs have cost £41 12s. 11d. less, and the item of £26 3s. 9d. for additions and alterations to building, which appeared in the revenue account for last year, does not appear in the revenue account for the present year.

The difference is accounted for by various small increases and decreases, which need not be particularly referred to.

We have obtained all the information and explanations we have required. In our opinion the balance sheet of your Institute has been properly drawn up so as to exhibit a true and correct view of the state of the Institute's affairs, according to the best of our information and the explanations given us and as shown by the books of the Institute.

We have inspected the title deeds of the freehold property.

We have verified the balances at the bank and the investments.

We are, Gentlemen,

Yours truly,

WEST AND DRAKE,

Chartered Accountants

Perhaps just a word or two in addition to the report of Messrs. West & Drake would be of value to the members in explanation of the financial position of the Institute. One or two of the accountants' notes without any further explanation might lead to misunderstanding, and I have accordingly prepared a few notes which may make the matter clear. The accountants state that the subscriptions have decreased by £115 3s. 3d. This is quite true as compared with the immediately preceding year, when £908 4s. 8d. was received for subscriptions; but if we look back to the figures for the two preceding years, we find that we are not only maintaining but increasing on the nett amount of subscriptions received in proportion to the membership. In 1906 the nett amount received was £709 14s. 9d. The next year the amount received was exceedingly low; through circumstances well known to the members at that time the notices regarding arrears were not sent out with the regularity with which they should have been sent out and with which they have been sent out since, consequently the nett amount of subscriptions received reached the low figure of £568 13s. 4d. The succeeding year, with a reorganization of office methods, produced a very large amount of arrears, resulting in the nett amount of subscriptions received being increased to £908 4s. 8d. For comparison, taking the average of these two years, it amounts to £738, as compared with the present session's income of £793, so that we are on the right side from that point of view. With regard to arrears, this has always been a bugbear of treasurers, and I do not think we are alone in that respect. It might be of interest to the members to know that at the present time the number of members who are over one year in arrears is 165. This is a position that the Council would like very much to be able to improve upon. During the past year we had to strike off the roll forty-four members who were over four years in arrears. This has been done with due notice, even to a final notice as to possible removal from the membership roll. A very good warning at the end of the second year of arrears is given when the transactions are stopped, and greater margin is thus allowed than in other societies. In view of these statistics it would be of great assistance if members who are in arrears would kindly take note and bring themselves up to date. With regard to the Transactions, we have a very heavy outlay this session. The amount being

£118 6s. 11*d.* in excess of last year. This appears to be a very heavy increase, and it is the principal reason for the difference between the credit balance of last and the debit of this year. But the Transactions, provided the expenses in connexion with them are kept within the bounds of financial considerations, ought not to be economized upon too much, as they are practically the only method of keeping in touch with the general membership, and it should be our aim to give the members good value for their subscriptions. The annual volume varies considerably, and this year it is much larger than usual. These are the three principal features with regard to the revenue account; the balance sheet is incorporated with the Report before you, and if there are any questions on that matter I shall be pleased to answer them. The amount transferred to capital account for entrance fees, composition fees, etc., is £116 16s. 3*d.* this year as compared with £93 16s. for session 1907-8 and £69 6s. for session 1906-7.

CHAIRMAN : Perhaps it may be as well, while Mr. Mather's remarks are before you, to give an opportunity of asking any questions on the financial statement, and I know Mr. Mather will be only too glad to give any necessary explanations.

It may be assumed that Mr. Mather's explanation of the financial position of the Institute is satisfactory as no one has raised any question in regard to it. The next business is the adoption of the Reports, and your Council has asked me to propose that these reports should be adopted. The reports are so complete and so fully detailed that they do not call for much comment. There should be no hesitation in adopting these reports, because they are in every respect satisfactory, and indicate the progress your Institute is making and the very excellent work it is doing from year to year. This is the Twentieth Annual Report, as you will have seen, and therefore this Institute of yours is very near the attainment of its majority. In reading the historical account of the Institute, one is struck by the very great progress made in a comparatively short time. You will have seen that the preliminary work was initiated in the autumn of 1888. We all know that engineers, especially marine engineers, are pushing and energetic; but even so it is surprising that a meeting held in the autumn of 1888, where the attendance was discouraging, where the majority was apparently apathetic, but leavened by an ener-

getic minority, should have been the initiation of a great work and the foundation of such an Institute as this. The conditions at that first meeting, as your report informs you, were distinctly discouraging, in spite of which the energetic minority had so far advanced matters that by July, 1889, barely one year later, your membership was such as to justify the incorporation of the Institute, which is a very excellent record for marine engineers and a still more excellent certificate to Mr. Adamson and those who were associated with him in the founding of your Institute. One very interesting fact stated in your report is that Mr. John Tait subscribed the first coin to the funds of the Institute. Mr. Tait was a very zealous and conscientious engineer who had very definite ideas of his own on the principles and practice of marine engineering, and it is pleasant to find that this gentleman, who has now gone to his rest, was, in addition to his other good qualities, far-seeing enough to perceive the benefits of such an Institute and to be the first to give it some small financial assistance. The work prospered; the report does not state exactly when your premises at 58, Romford Road were secured, but one must judge from it that the Council, at a very early period, felt themselves justified in securing, no doubt either by expenditure of money or by incurring financial responsibilities, those premises which the Institute still occupies and which, though not quite what your Institute might reasonably look for, are still found very serviceable for the purposes and convenience of most of the members.

As to this year's proceedings, your Council must be very gratified to know that the attendance at the reading of the papers is still increasing—an excellent sign of the prosperity of the Institute. Many of the papers read this year were of great value, and it would be quite invidious to single out one more than another.

The Report mentions the membership, and there is nothing exceptional in this respect on a casual reading. The membership last year was 1,010 and this year it is 1,038, apparently only an increase of twenty-eight; but, as the Hon. Secretary has pointed out, the Council, for financial reasons, dealt drastically with some of the members, and if you turn to what are called "lapsed" members, whom, I suppose, Mr. Mather referred to, you will find that they number fifty in all. If the Council had been less peremptory in dealing with these mem-

bers, your increased membership this year, instead of twenty eight, would have been in the region of seventy-eight. Mr Mather and those associated with him felt considerable reluctance in taking any extreme action, but it was thought better to have names removed rather than maintain on paper a supposititious financial reserve which might in the end be found to have no real existence. The Council have made a very valuable suggestion which may appeal to you. Many of our members inevitably go abroad for long periods in the course of their employment, and perhaps have a difficulty in always remembering to pay their subscriptions, now if those members would instruct their bankers once a year to do this on their account—and of course all marine engineers are prosperous enough to have banking accounts—they would be saved much personal trouble and your Council would have less difficulty in dealing with your finances.

Your Council are to be congratulated on the selection they have made of your President for the coming season. You may be quite sure that with him at the head of your Institute it will prosper even more than it has ever done before.

Your report gives information as to your experimental department, and certainly that department has done very good work in trying to ascertain the values of different qualities of coal. All marine engineers know well the difficulty of ascertaining the value of the different coals they work with. Sometimes they get North Country coal, at other times Scotch, and again Welsh, and when abroad, say in Australasia, they get New Zealand or Newcastle coal, and other classes of coal in other parts of the world. To get a really fair idea of the value of these different coals would be an exceedingly valuable piece of work and might be carried out if the Institute had a suitable laboratory. Chief engineers, at stated intervals, could take out a shovelful of the coal being used and put it aside, thus getting a fair average of the coal used during the voyage; at the end of the voyage these sample shovelfuls would be mixed together, and a small quantity taken out and sent to the Institute for a test, along with a statement showing the ostensible class of coal it was from. In this way an immense amount of valuable information could be got; those who read engineers' logs very seldom see it recorded that the coal is of "excellent quality." Too often you find logged "very indifferent quality," sometimes "very bad quality, and impossible to maintain

steam." If such a work as has been indicated could be systematized, it would be of the greatest value. If such of you as are at sea and handling coal every voyage could bring in average samples, with the approval, of course, of your superintendent engineers, if proper means of testing them existed in the Institute and if such a system went on from year to year, the information finally obtained would be of incalculable value not only to yourselves, but to superintendent engineers and ship-owners. Curiously enough, a paragraph in reference to your experimental department indicates what many have been otherwise trying to ascertain—that is, the relative values of different insulating materials; the means of making such tests have always been rough and ready, and it is very satisfactory to note that your experimental department are dealing with this question in a proper manner; it is a very important one to all concerned. Marine engineers and superintendents all know there are dozens of boiler insulating materials in the market, each of which, of course, is represented to be the very best possible of its kind; they cannot all be the best, and if we could get some reliable data it would be very helpful, as perfect insulation means economy in coal consumption.

The next part of the Report refers to visits paid by the Institute, which seem to have been not only successful as visits but, of practical value also. In regard to this matter, it may be pointed out that we in the North have, to our regret, never been honoured by a visit from the members of this Institute. If you can see your way to go to Scotland you will get a very hearty welcome.

Your Hon. Secretary attended the Refrigeration Congress referred to at very considerable personal inconvenience, and although a foreigner in a strange land he went through his duties exactly as we would have had our representative do.

A very interesting paragraph in your Report deals with Awards. Perhaps a word of explanation from your Hon. Secretary might be of service on one point. From the Report it is not quite clear what are the terms of the Lloyd's Register Scholarships. It says there are two, each to the value of £50 per year, tenable for two years, but it says also that one gentleman has won this scholarship.

THE HON. SECRETARY: The examination for the other scholarship will be held during this year.

Mr. J. T. MILTON (Member of Council) : Mr. Chairman, may I say a word or two in connexion with this matter. The Committee of Lloyd's Register gave this scholarship originally to be held for two years by one individual, and, of course, when that time is up, the examination will be held for that scholarship again. The Committee, however, thought it desirable to have the examination every year and so arranged another scholarship for two years, both the scholarships to be in perpetuity. So that there will be an examination every year and the Committee, although they are only contributing £50 this year, will in succeeding years give £100 per year.

CHAIRMAN : We are very much indebted to Mr. Milton for clearing up this matter, and all the members of this Institute must feel greatly indebted to the Committee of Lloyd's Register for what they have done, and it must be a very special satisfaction to our members to know that their Council had succeeded in securing Mr. Dixon, who is Chairman of Lloyd's Committee, as their President for next session. In connexion with the "Stephen" Award, your Report states that it is to be given provided the papers be of sufficient merit. Of that it may be assumed there can be no doubt, but for those who compete it may be said that whether their papers are of sufficient merit or not, the mere fact of undertaking a task very unusual to many of us, the actual writing of a paper for competition with others and open to the criticism of those who award the prize, must be a very valuable training. Then you have the Ritchie Award for the best paper on "The Functions of Air and Circulating Pumps." That is a subject of increasing importance for the members of this Institute. In former days the air pumps or circulating pumps did not require much consideration. There was always the difference of opinion as to how far you could go in reducing vacuum to obtain hot feed and still obtain coal economy. But since the turbine has been introduced the functions of the air and circulating pumps have come much before us, and the gentleman who has selected that subject for competition has hit on one which may produce results of much value to all concerned.

Your technical functions were admirably carried out, but so also were your social. From personal knowledge of two of them it may be said they were admirably conducted and

reflected great credit on the Council and on the enthusiasm of the members.

The most important subject before you to-night is the question of City Premises and it will be considered fully later on. Donations have been mentioned and the members have been approached in regard to this. If this matter is taken up, the Council should not confine their requests for donations to members of the Institute. All shipowners and builders of marine engines are very closely associated with and dependent upon you, and if you go to them you may be sure of receiving very liberal support. The only disquieting feature in connexion with this proposal of City premises appears in the statement that "Several of the meetings during the session were held in the lecture theatre of the London Institution, but the attendances on those occasions were very disappointing." No such remark is made in connexion with any of the meetings that have taken place here, but the members who advocate the change may be able to explain why it is, that when meetings were held in a central district, the attendances were so disappointing. Possibly it is that London is not so convenient for the majority of the members as your premises here. Certainly no one can complain that this proposal has not received ample consideration from the Committee appointed for the purpose.

It is very gratifying to learn that a member of this Institute has been appointed to act on the Advisory Committee of the Board of Trade. It is a compliment to the Institute, but also wise policy on the part of those who had the nominating of this Committee. When matters of moment are in question this member meets your Council to discuss these with them, for, after all, whoever is appointed is merely a representative, and it is right and proper he should confer with those who have been selected to guide this Institute.

A very valuable suggestion is made in connexion with the Transactions, that all engineers should keep notes and records of everything abnormal they come across, and have it not only logged in the ship's books, but also in the books of the Institute. No doubt these abnormal experiences at sea would be very helpful to other engineers, and if those records are carefully entered and are open for inspection they will be of much service.

Mr. Mather has given an excellent report of the condition

of the finances. As he said, from the face value of his report a wrong impression might have been taken, but his explanations have done away with the impression that the finances of the Institute were falling behind; in reality he shows that the Council have been wiping off all fictitious credits and are now giving a true statement of the present financial position which shows that there is no cause for any anxiety on this account. I must apologize for occupying so much of your time. I have pleasure in formally moving that the Annual Reports be adopted, and now call upon Mr. Leslie to second the proposal.

Mr. R. LESLIE, R.N.R. (Vice-President): I have very much pleasure in seconding the adoption of the report. It is a very clear report, and I think our worthy President has gone very fully into the matter. So far as can be seen, of course, the financial state of the Institute does not appear to be very bright, but we cannot, in bad times like the present, expect great brightness in that respect, we must take the good with the bad and hope for better. No doubt everything is being done that can be done to keep the financial position of the Institute right, and it is almost impossible, really, to look forward to getting in the subscriptions so regularly as one would like. Having been Treasurer for some time I had an experience of that and found it a very difficult matter; but the great trouble is that a good many of our members get away out of reach of the Institute and forget their subscriptions. I know instances where members have lapsed for two or three years and when called upon they paid at once;] so I think it is a very good thing for our finance committee to keep pegging away at the members, reminding them that the subscriptions are due. There are other matters of great importance to the Institute that should be commented upon. In the first place we remember the kind friends we have had, beginning with our past and best friend, Dr. Denny, who, we might say, started the ball rolling; the second was one of our chief engineer members Mr. Stephen, and now it is a pleasure to see our worthy friends from Lloyd's taking such an interest as to help us along very materially. We are very deeply indebted to the Committee of Lloyd's for the great interest taken in the Institute in that way, because one may come down here and look around and take part in

the meetings, but without material help the Institute cannot get along very well, and when gentlemen of the position of Lloyd's Committee take such an interest in the Institute it augurs well for the future. The only thing I would like to see added to the Report is a list of the members who have gained the Denny Medal from the beginning. Lists are given of nearly everything else, and it would be interesting to have a list of the members who have been fortunate enough to get that medal and also the other awards. I only throw out this suggestion more with the object of showing the younger members what has been done in the past, because I think the Denny Gold Medal is something to be proud of, and that little bit of pride ought to be put on paper. The various papers read have been very interesting; I have gone through them, and some of them were very highly interesting, and I think as far as the Institute is concerned we are not going back in any way in that direction. The question of City premises, of course, is a matter that will have to be dealt with on a basis of what may be considered to be the requirements of the members. Those requirements may be considered from various points of view, but it seems to me that a question of this kind should be thoroughly gone into—not at this meeting, because we cannot cover the whole subject at a meeting of this kind. We should have a separate meeting for the purpose of thoroughly debating and going into the matter to make sure whether we are on the right or the wrong side. I think the time is approaching, if it has not already come, when this matter ought to be thoroughly thrashed out. There is no use in trying to squeeze it into a ten minutes' lecture; it is better to have one meeting devoted to the subject, letting all who come to the meeting know that it is the intention of the whole of the Council and those who take an interest in the Institute that the question should be thoroughly considered. A great many think we ought to have premises in the City. It may not mean removal to the City altogether, but a place where members would be able to get the use of the telephone, and for the making of appointments and other purposes. I know from experience there are a good many engineers who in that case would join, but otherwise they will not do so; they would join at once if we had a place in the City. I think the main point is the question of adding to our membership, for if once we

come to a stop, we will, I fear, be going back; with a steady increase in membership, the better it will be for the Institute. The right course, in my opinion, regarding the City premises is to start a fund with that object in view, keep it open for about twelve months and at the end of that time get as many of the members together as possible, have another meeting and decide what is to be done. I am quite sure, as our worthy President said, all the shipowners and shipping companies who have an interest in engineering matters would not be behind if we went to them in a courteous way. We want to show them that it is for their own interest as well as for the interests of the Institute, and that what we are doing will benefit their pockets as much as the engineer's. I venture to hope this matter will be thoroughly and carefully considered, and I hope that during the evening we may have a few expressions of opinion about it. I have much pleasure in seconding the adoption of the reports.

The motion was then put and carried with applause.

Mr. W. T. SEATON (Member): I have been asked to propose a vote of thanks to Mr. James Denny, our retiring President, and I do so with great pleasure because I feel that no words of mine are necessary to commend this vote to your hearty appreciation; I have just to press the button and you, by your hearty applause, will do the rest. I can assure you, sir, that every one here present and all the members of the Institute most thoroughly appreciate your services to the Society. But, sir, I think only those who have come across you in your other spheres of activity can really appreciate the amount of sacrifice and inconvenience you must have put yourself to in coming from the North country from time to time to be with us and to take part in the proceedings, because only those who have seen you elsewhere know what calls are made upon your time.

Gentlemen, I have to remind you that Mr. James Denny is the third member of his family to sit in the presidential chair of this Institute, and it seems to me that this is a very proper and appropriate position. We all know that the name of Denny stands for all that is best, most progressive and most go-ahead in shipbuilding and marine engineering, and I think we may say also that the marine engineers of this country who are most capable, most scientific, most advanced, are members

of this Institute, and therefore it seems to me a very proper thing that the gentleman who represents the most progressive shipbuilding and engineering should be connected with an Institute which contains the most progressive and scientific engineers. I am sure we all hope that the firm of Denny may long continue to flourish as builders of fast and soundly built ships which may be run and manned by members of the Institute of Marine Engineers. Gentlemen, I ask you to pass, and to pass with acclamation, a vote of thanks to Mr. James Denny for his services to the Institute, and to join with me in hoping there may never be wanting a member of the firm of Denny to take an interest in, and if necessary to provide a President for, this Institute.

Mr. T. F. AUKLAND (Companion) : I rise with very great pleasure equivalent to that of the proposer of this resolution to second the vote of thanks which he has so ably proposed. I could talk about the firm of Messrs. Denny for a long time, as I have known it by reputation for so many years, but I do not think it is necessary to go beyond what Mr. Seaton has said so very ably and so very explicitly in admiration of that wonderful name. We are very privileged indeed to have a member of that family to take the Chair of this Institute, and I am sure we wish the firm of Messrs. Denny the most hearty success, and we thank Mr. Jas. Denny very much indeed for coming so many times from Scotland to attend the deliberations of this Institute during his year of office. I cordially second the resolution.

Mr. W. I. TAYLOR (Member of Council) : I do not wish to take up much of your time, but, as Convener for the annual dinner I would just like to add a few words. The Convener for that function depends very much upon the President and the success of the dinner depends very much on the help of the President, and I can assure you, gentlemen, Mr. Denny has devoted a great amount of time in coming to help me and to give me his advice. The whole success of the dinner—and I think we can flatter ourselves that it was a success—is due to Mr. Denny alone ; it is to him that I give all the credit. At one time we had to arrange not only the speeches, but also those who were to speak—Mr. Denny did the whole thing, I simply did as I was told, and it was a very great pleasure to me to be associated with him in this duty. I was very pleased to

hear the remarks of Mr. Seaton and my friend, Mr. Aukland, and could not keep my seat without giving expression to my feelings in this matter. Mr. Denny also came the whole of the way from Glasgow to be present at our annual ball, and I am certain his presence had a lot to do with the success of that evening. Personally, sir, I thank you very much and am sorry we are parting with you so soon. Gentlemen, it is not necessary to formally put that vote to the meeting ; let us honour it with " three times three " and include Mrs. Jas. Denny.

The motion was carried with prolonged cheers.

CHAIRMAN : Mr. Seaton, Mr. Aukland, Mr. Taylor and gentlemen, I hope none of you have ever been in the same embarrassing position as, owing to your kindness, I am in at this moment. I would like to believe and accept all the kind things that have been said, but that is difficult. Just one word in reference to Mr. Taylor's remark that in connexion with the annual dinner he " did as he was told." Mr. Taylor was Convener of that Committee, and all who have been associated with him in the work of that Committee will agree that he is not at all the kind of gentleman to do as he is told. In all matters connected with the dinner Mr. Taylor was full of unbounded enthusiasm. It was a pleasure to give him all the assistance possible, but such assistance was necessarily small, due to Mr. Taylor's capacity and enthusiasm. Mr. Seaton referred to so many members of my family occupying this Chair, and all of us have felt it to be a very great compliment to be asked to do so. Mr. Seaton spoke of a difficulty in coming to London to attend your meetings. It has always been a pleasure to do so and to meet the members of this Institute ; the only complaint that might be made in connexion with this matter is that the demands you make upon the time of your Presidents are too modest. They are only asked to attend your functions of special importance, to give a presidential address, and to be present at your annual dinner and your annual assembly. Perhaps that is one of the little defects of being your President, that while you are asked to fill a very honourable position, very small demands are made on your time ; but no doubt all your Presidents would have been only too pleased to give more of their time if that had been asked of them. In connexion with what Mr. Leslie said as to City premises, opportunity must be

given of going more fully into this matter. Mr. Leslie spoke of getting subscriptions in ; it is an admirable suggestion and no doubt will be carried out. If the meeting Mr. Leslie spoke of is to be held soon, it may be well for the members to consider whether the actual attempt to raise money should not be postponed until times are less hard, as if shipowners are at present in the same position as shipbuilders they will not feel inclined to be too generous. If you can postpone this until the good times, which we are hoping for, come, it is more certain to be better responded to. Gentlemen, I thank you from my heart for the kindness with which you have received Mr. Seaton's proposal.

Mr. J. R. RUTHVEN (Member) : I have great pleasure in rising to propose a hearty vote of thanks to the office-bearers and Members of Council. I am glad to think that the junior section is receiving more encouragement than was possible a few years ago, and I should very much like to see a larger number of juniors. Another thing I would like the members to think of, and that is in connexion with the voting. In previous years we have not had above one-seventh of the membership sending in the voting papers at all, which I think shows lack of interest. It is very little trouble, and as there are three or four months before the papers are due more members might think of it. With regard to the financial statement I think that is very satisfactory. The finances have been managed to a very fine degree, the current account money has all been used for the benefit of the Institute, as it should be, as I think it is the right policy not to save this money for the future but to spend it on the members while they are alive. I have very much pleasure in proposing a vote of thanks to the office-bearers and Members of Council.

Mr. W. C. ROBERTS, R.N.R. (Vice-President) : I have very much pleasure in seconding this vote of thanks. Having been a Member of Council myself for a considerable time I know the duties are very onerous, and this vote of thanks is well deserved. I would say that while I was a Member of Council I considered the Council meetings were held far too frequently, taking up a great deal of valuable time, and I think if these meetings were reduced in number and more work done at each of them, it might be more conducive to the welfare of the Institute and to the members of Council themselves.

The motion was then put by the Chairman and carried with applause.

The HON. SECRETARY : I am sorry it has fallen to my lot to respond on behalf of the office-bearers and Council, as I hoped that Mr. Lawrie might have been present to take the duty. On behalf of the office-bearers and Council, I thank you very much for the vote of thanks thus accorded. Mr. Roberts has referred to the attendance at the Council meetings. Could we ensure every Member of Council attending twelve times per annum if the meetings were held monthly ; no doubt it might be quite sufficient, allowing the conveners and sub-committees to do their own work in the meantime, but by having the meetings once a fortnight we certainly ensure a fair attendance at most of the meetings. We are all liable to be called away by business in our various spheres of duty, and in the event of a Member of Council not being present at one meeting he might be present at the following one a fortnight later, and as it is desirable that the members should be able to follow the continuity of the business of the Institute throughout the year and thus save the time of the Council by avoiding explanations to be given to bad attenders at each meeting. I think, myself, the fortnightly meetings are good, although more exacting on some of us. Perhaps that is a point that the new Council might consider, only I should add the proviso, that every Member of Council attends the twelve meetings during the year to preserve the continuity. When a member has been absent for four or five meetings the business is quite foreign to him, and each one has to enter into an explanation of all that has been done at the previous meetings, and you will understand that not only is the time of the members attending regularly wasted, but their patience is severely tested. I think when a Member of the Institute takes in hand to do the work of the Institute on the Council, it is his duty as well as his privilege to attend every possible meeting he can. With regard to the ordinary meetings, as our members are largely composed of a floating population, if we do not have the meetings frequently, members coming into port for a short stay can perhaps only attend one meeting throughout the year, whereas if we held them frequently they have a better opportunity of attending, and when I referred to the continuity and keeping in touch with the business of the Institute, I would say that the mem-

bers, by attending the ordinary meetings of the Institute, preserve the continuity in connexion with that progress we aim at in our daily business. We have here, and especially so during the past session, matters of importance brought before our notice from many sources, and such is a matter of congratulation. So that, by maintaining continuity of attendance at the various meetings here, we are maintaining continuity of progress in connexion with the profession. With regard to additional members, I am pleased to say that in the last two years the membership has been increasing in greater ratio than in the previous years, while for this year already we have elected 25 per cent. of the whole number of the previous year, and if we take that as a guarantee, we may reckon upon a very much larger membership to show on next year's report. With reference to arrears, it is very painful that we have so many members in arrears, and as the members rub shoulders with one another they might remind those whom they know are in arrears to pay in their subscriptions. As Mr. Leslie said, it has always been a trouble, and many members, when told, have come forward, and paid up. It only requires a few words to remedy the matter, and I only hope any who is in this position will search his inner consciousness and find out where he stands. It is very pleasant to know that the work of the Council is appreciated. It has always been the case that a good work finds those who will throw stones at it ; that must be looked for, and I consider it a hopeful sign, as no good work has ever been taken in hand that has not had half a dozen people to throw stones at it. Not only so, but very often the more stones that are thrown the better for him who builds, it nerves him for the struggle and shows him something to live for, giving him an incentive. I hope that when the Institute is depreciated by cynics every member will be quite able to defend it and its work. With regard to criticism, the Council has ever tried to provoke criticism and is always anxious to get recommendations from members and to consider and adopt such recommendations if desirable, not only from members, but from outside friends. We are always willing and anxious to learn. There is no perfection in this world, but we are always aiming to arrive at it, and if we are aiming at perfection and happiness these are the two good things that we ought to strive after, according to Kant in his *Metaphysics*, who also adds that the only good thing in this world is a good will, and if every member of this Insti-

tute had a good will for it and exercised it, it would flourish more and more, and prosper, reaching to greater things in the future than it has in the past.

Mr. J. H. REDMAN (Member) : I have very much pleasure in proposing a hearty vote of thanks to the Honorary Auditors, Messrs. J. Clark and A. Robertson, and propose that they be reappointed for the succeeding year.

Mr. MILTON : I have great pleasure in seconding that motion.

The motion was then put and carried unanimously.

CHAIRMAN : The next and very important part of the business is the receiving of recommendations from members. There are several subjects that may be mentioned this evening, and we shall discuss them as members bring them up.

Mr. JOHN McLAREN (Member of Council) : Mr. Leslie has touched upon the subject of City premises. A year ago, at the Annual Meeting here we were authorized by the members to look about for City premises, within limits specified. Tonight I wish to propose that the Council receive authority to investigate with a view to rent or build or buy, so that when the Committee is formed they may have plenty of scope for their recommendations. I am very pleased that several members in the City are taking this matter up, and I am sure the Committee would be delighted to co-operate with them. It is my intention to propose that some of these members be appointed to act upon this Committee and thus get them to take a part in the scheme. I consider that Mr. Leslie and several other gentlemen here present should be appointed on this Committee, as their advice would be of great service to the Institute.

CHAIRMAN : Is the position quite clear, is it the reappointment of this Committee that is suggested ?

Mr. McLAREN : The Committee was composed of five members appointed by the Council, and I propose that it be extended to include members outside the Council who have taken a special interest in this matter.

CHAIRMAN : Shall we put it that the Committee be re-

appointed "with power to add to their number such gentlemen as the Committee think will be helpful and who are willing to act"?

Mr. McLAREN : Yes, to include a few of the members who are enthusiastic for City premises. If we had a meeting of this Committee now and came to the conclusion that the Institute ought to buy premises, we have not the power to consider such a thing, we have only power to consider the renting of premises.

CHAIRMAN : Is it not your idea that you should have power to consider proposals for buying, building or renting, but not to actually buy?

Mr. P. T. CAMPBELL (Member of Council) : How long is this City premises committee elected for? I understood it was only elected by the Council. Are they to go on for ever, or are they only constituted for the same time as the Council?

CHAIRMAN : I understand Mr. McLaren to propose the reappointment of this Committee with power to add to their number, and to bring before the Institute a proposal to buy, build or rent premises.

Mr. CAMPBELL : I take it, then, that it is proposed that the Council re-elect this Committee.

CHAIRMAN : Yes, that is so.

Mr. McLAREN : The matter for this meeting to pass is to give further power to the Committee to bring forward proposals either to build or buy. At present we cannot consider any proposal other than renting; the new committee may consider something else more suitable.

Mr. A. H. MATHER (Hon. Treasurer) : May I make a remark to help the meeting to understand the position? The City premises committee is not a committee appointed by the members of the Institute, it is a committee of the Council appointed by the Council. The Council for last year has ceased to exist, and we will have the names to-night of the members of the new Council, who will, at their meeting elect any committees required for the year's work. I take it that the position of Mr. McLaren is to the effect that, seeing the membership only gave the Council power to go to the extent of considering the renting

of premises, the members this year should extend those powers to the consideration of either buying or building premises, in addition to the consideration of the proposals for renting. Then that would become a recommendation to the committee selected by the new Council for the lines they are to work upon. The addition of outside help is, I think, a most necessary feature. The committee of the Council would thus get the knowledge and experience of members whose assistance would be of value, and any proposition to that effect I would very cordially fall in with. If Mr. McLaren would make his proposition "that the members be asked to give powers to the Council to consider buying, building or renting, and to elect this committee which would report to the Council first, and then have a meeting of the Institute to discuss it fully," that, I think, would meet the situation.

Mr. LESLIE : I quite agree with Mr. Mather. A committee can be elected by the new Council to consider the question of City premises, with power to add to their number. So far as this meeting is concerned, what we want to do now is to instruct the new Council to give power to the Committee appointed to consider the buying, renting or building of premises as the case may seem best.

CHAIRMAN : It is put to the meeting in this way, "That the Council be instructed to appoint a committee to consider the question of City premises, and in constituting this committee they need not necessarily confine themselves to their own number, but may go outside into the general body of the members for gentlemen to add to this committee, and, further, instead of giving them power to bring before the members proposals for renting, to give them power also to bring forward, should they consider it advisable, proposals for renting, building or buying premises."

Is it the general wish that it should be arranged in this way ? Of course it does not committ you to anything, it only means that the Council will bring proposals before you next year.

Mr. W. McLAREN (Member) : Before putting that to the meeting, I would like to say it would be well that the present committee be continued as the members got a great deal of experience in making their inquiries in connexion with the various properties. I consider we should not rent premises ; if

we do anything at all we should build or purchase. One point that appears to have given great concern to the committee, as it gave to me and others, is that so few responded to the circular which was issued. It caused me to write to the Secretary, and I got a very considerate reply, but the Council evidently have not received any backing up or the second circular would not have been issued. The way I look at it is this ; if we aim at a certain amount, would it be for a total sum to be acquired at once, or by amounts contributed at stated periods ? The latter course would help some of us who have not a great amount to give, and would afford us an opportunity of showing our grit and our willingness to assist this scheme. Seeing this is our twentieth annual meeting, I would like something done for our twenty-first birthday. I should like to get an expression of opinion of the members here as to whether it would not be better to be in a position to say, when we forward the subscription list to our President's friends and to our other friends, " we have contributed so much, or propose to contribute so much ; what will you help us with ? "

Mr. P. S. DOHERTY (Member): I received the Council's circular, and I believed I answered it, but like a good many other members I am subject to being called away suddenly, and only yesterday it was put before me unsigned and I was ashamed to send it in so late. My ideas are somewhat like those of Mr. Wm. McLaren. I take it from the circular that there is a decided expression of feeling that other premises must be obtained, and although I speak as a new member, that is my opinion also. In my case I have a twelve-mile journey before I get home—not so far as our President, certainly, but still a pretty heavy journey to take from ordinary meetings of the Institute. My opinion is that some other premises should be taken. If they were in the City they would be most convenient to meet in, to make appointments and to use as an informal club where we could meet our business friends. It would advertise the Institute and advertising is the soul of a club as it is of business, and if we do not advertise we are sure to get " left." We must go forward with our membership, and the more extensively we can bring the Institute before the marine engineering profession the better, and if it is in a more convenient position, then I think the membership will increase to an even greater extent than it is. With regard to the raising of funds, there

are many firms, in addition to the shipbuilders, shipowners and marine engineers, who, I believe, would contribute. Many of our members would do so if not called upon at once; if bonds were issued in the form of stock they could be called up in the same manner. I think the suggestion made by Mr. W. McLaren is a good one, and if there is any way in which I can do anything to assist, my services are at the disposal of the Institute.

Mr. A. E. BATTLE (Member of Council): It has been remarked to-night that if our Institute was in a more convenient position our membership would increase, and that our membership is chiefly composed of a floating population.

The rank and file and young members are clearly the life of this Institute, and if we do not have that life blood flowing into us we cannot live. It is only the golden corpuscles of the sea-going engineers that we must look to to keep us alive.

It has been stated that we must increase our membership, and the question is, what is the best course to pursue?

Last year I was picked up upon a moral standpoint when suggesting that the west would meet our requirements and be a decided advantage in preference to a site in the City between Liverpool Street and Fenchurch Street stations, and as I said last year, I repeat again, the City east of the Mansion House, after 7 o'clock at night, is deserted by those who frequent it during the day and is a promenade for undesirable aliens. What is there in the City of any value for an engineer home for, say, 24 hours? Absolutely nothing. I say, speaking from a standpoint which a member raised last year, the moral standard of the western district is not so bad as that of the City east of the Bank after 7 o'clock at night. We do not want an Institute in the middle of the day, we want it for the marine engineer, and we must always consider the young engineers, they are the greatest in number.

If we go into the City they will go right past the Institute rooms. If we have the rooms further west, we may get them for the hour before going to the theatre, from 6 to 7; the second time they may stay two hours. However, if we cultivate a swelled head in the City, we may have the head but nothing more. Therefore I move as an amendment that the word "City" be deleted, and "other suitable premises" be substituted in its place. That will give the committee a wider field if they find it better to go beyond the bounds of the City.

Mr. P. T. CAMPBELL (Member of Council) : There are more members present who have something to say on this subject than will be able to speak upon it to-night. The progressive members have got this City premises "on the brain." The fact of the matter is, these premises are going to cost something like £12,000, and the bald fact remains that this year's annual statement shows a deficit of £41 on the current account. At that rate, how long will it take to accumulate £12,000? You, Mr. President, very kindly gave us a hint about the present times being rather hard and advised us not to go begging just now; I also believe in the "ca' canny" principle. I would like the progressive members to explain some of these difficulties. Where are we going to raise the money? It is no use talking about raising a house before you have the money to build it. The next point is that the progressive members say they will get many more members to join the Institute if we get these premises in the City. I very much doubt it. I think it is true 1,000 circulars were sent out recently asking the members to send in their opinions on this matter, and out of that number sixteen replies were received. That shows the extent of the interest taken by the members in City premises, and it does not seem to show a great amount of enthusiasm. Fundamentally we are an Institute of Marine Engineers; we are not City men at all, and many would rather have the Institute of Marine Engineers here than anywhere else. My ideas, gentlemen, are to ask you to fall in with my way of thinking and postpone this matter for about another five years. First let us recognize the man who has made the Institute what it is before finding fault with the premises. After that we can go in for this other thing heart and soul. I am not altogether against it; I believe we might probably get premises better than this, but it is asking a great deal from business men to devote their time to discussing a matter every fortnight which, after all, is meantime beyond us, and I think the City premises subject should be deferred for some time yet.

Mr. SHARP : Before that is put to the meeting I should like to say that there has been a decided consensus of opinion from the members of this Institute that there should be City premises. I can say that as many members have expressed themselves in favour of City premises as will be found to have voted for the Members of Council this evening, and I should be very

sorry indeed to have it shelved. There are the interests of the members of the Institute to be considered. It is not a selfish thing as far as we are concerned ; we owe something to them, and it is not satisfactory to them that this Institution should be rustivating here.

Mr. CAMPBELL : Mr. Sharp seems to think City premises a cause which is creating great enthusiasm, but unfortunately the members of Council cannot find where the enthusiasm is. If Mr. Sharp would tell us, he would enlighten us greatly. He does not, however, touch upon the financial side of the question. Another remark of Mr. Sharp's made me think whether it is usual for men who have risen in the world to be ashamed of their birthplace. Our President is not above coming from Dumbarton to Stratford to associate with us. Who are the members who are ashamed to come to Stratford ? It seems to me that if our enthusiasm is to go into the Institute, we must first of all come to the Institute and not ask the Institute to come to us.

Mr. ROBT. BRUCE (Member) : As a member of some twenty years' standing, I think I may claim to be particularly interested in the progress of the Institute. There has been a great deal said upon this subject which, I venture to say, is not to the point. Was it not the proposal that this meeting reappoint the Committee, and give that Committee power to add the names of other members who are taking an interest in the project ? I think if the meeting falls in with that, the question can be shelved until the Committee finds it convenient to deal with it. In regard to the response to the circular which has been sent out, I cannot see how any one can wonder that so little came of it. If it had been said that the Council wanted to discuss the means whereby the Institute might make provision for such a scheme, it would not have been so bad. The appeal for £12,000 in these times satisfied me that nothing more would be heard of it. Now that is passed, and I think Mr. McLaren's proposition is one which deals very well with the matter. Let us get on with our business, and have the resolution put to the meeting.

Mr. CAMPBELL : Before putting that proposal, I must ask that no appeal be made for outside help for the next twelve months.

Mr. BATTLE : I second that proposition.

Mr. BRUCE : That is a matter for the Committee appointed to decide.

CHAIRMAN : Do you not think that it will be more satisfactory to pass this resolution, Mr. Campbell, in view of the fact that whatever this Committee do they can only look about and recommend. They cannot commit the Institute to any scheme until a general meeting has been held at which proposals have been submitted to the members.

Mr. CAMPBELL : The matter is purely and simply a business one ; it is for the members to decide.

CHAIRMAN : I do not think this Committee would have any justification to appeal to anybody for money until they had put a scheme before the Institute which the Institute had accepted.

Mr. CAMPBELL : Mr. McLaren's proposition is to build, buy or rent.

CHAIRMAN : No, the Council will have to get the sanction of the members of the Institute first ; the Committee can only investigate.

Mr. LESLIE : I hope Mr. Campbell will give a little benevolent thought to the members who will be elected to this New Premises Committee ; I do not think, myself, that they are likely to be men who will not know anything about the matter. They would be able to form a fair judgment of what is required, and, besides, they would not be able to do anything decisive until a general meeting was called for that purpose. A body of men elected by the Council of this Institute is not likely to be too precipitate, and I do not think Mr. Campbell is adopting a wise course in putting a brake on the scheme.

Mr. CAMPBELL : I should be very sorry to do so. My position is perfectly clear. I do not wish to stop the Committee from pursuing their investigations. All I want to make quite clear is that there should be no appeal from the City Premises Committee meantime for money for the reasons stated and as indicated by the President.

CHAIRMAN : When the Committee comes before you with a scheme, then you can debar them from proceeding with it if such are the views held by the majority of the members, or delay it for a certain time. At present there is nothing before the Institute ; it is merely an investigation. It is a pity if the members are divided on this point. The original proposition was " that this Committee should be reappointed with power to add to their number, and that members outside the Council could be called in ; and in addition to having power to look out for premises which they could rent, they have also power to bring a proposal before the members for building or buying." Mr. W. McLaren's idea was that instead of getting donations in a lump sum to get it by annual instalments, but that is not before the meeting. All that is now before you is whether this Committee is to be appointed and whether it is to have increased powers. Mr. Campbell, you are perfectly safe, your views will have due consideration later on. I suppose, gentlemen, we may take it that this will go through on that understanding.

Mr. J. McLAREN : The proposition I made was merely to seek for further powers, and then the meeting of members would give instructions to the Council. As far as finance is concerned, personally I do not think the Committee could have it all arranged by another year.

CHAIRMAN : Mr. Campbell has agreed to withdraw his suggestion—as a formal resolution, at least.

The motion was then put and carried *nem. con.*

The Scrutineers, Messrs. F. M. Timpson and J. C. Anderson, were then called upon to give their report as follows :—

President, James Dixon, Esq.
 Hon. Treasurer, A. H. Mather.
 Hon. Secretary, James Adamson.
 Hon. Finan. Sec., E. W. Ross.
 Hon. Minute Sec., J. G. Hawthorn.

Members of Council : Messrs. G. Adams, D. Hulme, W. Lawrie and W. I. Taylor. Mr. Lawrie having resigned his position as Chairman and Member of Council owing to prolonged absences abroad on business, the next highest number

of votes were recorded in favour of Mr. K. C. Bales, who was duly declared elected.

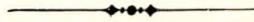
Mr. J. E. ELMSLIE (Member of Council) : I have pleasure in proposing a hearty vote of thanks be accorded to the Chairman for presiding this evening. We owe him a great debt of gratitude for coming so great a distance to attend this meeting.

Mr. A. E. SHARP : I have great pleasure in seconding the motion.

The motion was carried with applause.

CHAIRMAN : I have equal pleasure in thanking you for your kind appreciation.

The meeting then adjourned to the Council Room, where refreshments were provided.



The following members were elected at the meeting of Council held April 15th, 1909 :—

AS MEMBERS :—

<i>Name</i>	<i>Proposer</i>	<i>Seconder</i>
W. G. Cornell, London	Jas. Martin	J. Adamson
R. D. Lloyd, Birkenhead	A. J. Maginnis	J. Adamson
A. C. Morgan, Bombay	H. G. How	R. D. Robertson

AS ASSOCIATE MEMBER :—

Wm. F. Webb, Bombay	W. Birkett	A. E. Robinson
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At a meeting of Council held subsequent to the Annual Meeting, the undernoted appointments were made :—

Chairman of Council :—

Mr. J. T. MILTON.

Vice-Chairman :—

Mr. J. McLAREN.

Conveners of Committees :—

Mr. GEO. ADAMS, Press Cuttings.

Mr. JAS. ADAMSON (Hon. Secretary), Awards.

Mr. A. E. BATTLE, Papers.

Mr. J. E. ELMSLIE, Issue of Transactions.

Mr. D. HULME, Reading Room.

Mr. J. T. MILTON, City Premises.

Mr. J. FELL REDMAN, Library.

Mr. J. H. SILLEY, Property.

Mr. W. I. TAYLOR, Annual Dinner.

Experimental Committee :—

Messrs. K. C. Bales and J. CLARK, Joint Conveners.

Junior Section :—

Messrs. J. G. HAWTHORN and J. LANG, R.N.R., Joint Conveners.

Recreation Committee :—

Messrs. J. McLAREN and A. H. MATHER, Joint Conveners.