

ADDITIONS TO LIBRARY—*continued.*

SUBJECT.	PRESENTED BY
Transactions of the Liverpool Engineering Society, Vol. 39	The Council
Transactions of the Society of Engineers, 1918	The Council
The Steamship, Vol. 30	J. Lockie (Member)
Tod's Arithmetical Guide for Marine Engineers	Frank R. Lindley
Wannan's Marine Engineers' Guide (6th Edition)	(Member)
Verbal Notes and Sketches (Sothorn)	Do.
Text Book of Mechanical Engineering (Lineham)	Do.
B.T. Elementary Questions and Answers (McGibbon)	Do.
Transactions of the Inst. of Mechanical Engineers, Jan. to May, 1919 ..	The Council
The Marine Engineer and Naval Architect (Vol. 41)	Purchased
Transactions, of the Institution of Naval Architects, Vol. 61	The Council
Transactions of the Institution of Naval Architects (Vol. 61) ..	Sir R. Lyle, Bart.
Boiler Chemistry and Feed Water Supply (J. H. Paul)	Purchased
Efficient Boiler Management (E. F. F. Wade)	Purchased
Simple Problems in Marine Engineering Design (R. M. Sothorn)	J. W. M. Sothorn
Transactions of the N.E. Coast Inst. of Engineers and Shipbuilders (Vol. 35)	(Member)
Elements of Machine Design	The Council
The Marine Steam Engine (by Sennett)	S. G. Martlew
The British Dominions Year Book, 1919	(Member)
Lloyd's Register	S. G. Martlew
	(Member)
	Purchased
	Lloyd's Register Committee
The Journal Inst. of Metals, Vol. 22	The Council

ADDITIONS TO LIBRARY—*continued.*

SUBJECT.	PRESENTED BY
The Running and Maintenance of the Marine Diesel Engine (J. Lamb)	Purchased
Marine Oil Engine Handbook . . .	Purchased
Hot Bulb Oil Engines and Suitable Vessels	W. Pollock (Member)
Official Year Book of Scientific Societies	Purchased
Oil Tank Steamers (by H. J. White)	Purchased
Sir Hiram Maxim (Biography) . .	S. H. Terry (Member)
Oil Tank Steamers, Capt. H. J. White	Jas. Brown & Son
Brown's Elementary Questions and Answers for Marine Engineers. .	Do.
Brown's Arithmetical Guide for Marine Engineers	Do.
Brown's Arithmetical Guide, Vol. I.	Do.
Brown's Slide Valve for Engineers . .	Do.
Ships' Boats, by E. W. Blockside . .	Longmans, Green & Co.
Mensuration for Marine and Mech. Engineers, J. W. Anglas	Do.
The Running and Maintenance of the Marine Diesel Engine, J. Lamb. .	Chas. Griffin & Co.
Steamship Co-efficients, Speed and Powers, Fife	E. & F. Spon
Afloat and Ashore, P. L. Waldron. .	Jas. Munro & Co.
Shipbuilding, Vol. I.	The Bennett College, Sheffield
Shipbuilding, Vol. II.	Do.
Marine Engineering	Do.
Structure in Concrete and Steel . .	Do.
Engine and Boiler Accessories . . .	Do.
Beams	Do.
Boiler Fittings Design Testings . .	Do.
Mechanics	Do.
Strength of Materials	Do.
Laying Off	Do.
Internal Combustion Engines, Vol. I.	Do.
Motor Engineering, Vol. I.	Do.

READING ROOM.—PAPERS AND MAGAZINES.

1919 - 20.

SUBJECT.	PRESENTED BY
American Marine Engineer	The Proprietors
American Machinist	Do.
Automotor Journal	Do.
Bulletin de l'Association Technique Maritime	The Council of the Association
Cold Storage and Ice Trades Review Engineer	The Proprietors
Engineer and Iron Trade Advertiser	Purchased
Engineering and Industrial Management	The Proprietors
Engineering	Do.
Fairplay	Purchased
Flight	Do.
Gas and Oil Power	The Proprietors
Graphic	Do.
Ice and Cold Storage	Purchased
Illustrated London News	The Proprietors
Iron and Coal Trades Review	Purchased
Journal of the American Society of Naval Engineers	The Proprietors
Journal of Commerce (daily)	The Council of the Society
Journal of the American Society of Mechanical Engineers	Purchased
Marine Engineering and Canadian Merchant Service Review	The Publishers
Marine Engineer and Naval Architect (2 copies)	The Proprietors
Mechanical World	Do.
Motor ship	Do.
Motor Ship and Motor Boat	Do.
Munro's Engineers' Annual	Purchased
Naval Engineers' Journal	The Publishers
Punch	The Editor
Reports on Boiler Explosions	Purchased
Regulations and Instructions to Surveyors	The Board of Trade
	Do.

READING ROOM—*continued.*

SUBJECT.	PRESENTED BY
Report of the Australasian Institute of Marine Engineers	The Council
Report, Marine Engineers' Association	The Association
Scientific Societies' Year Book ...	Purchased
Scottish Year Book	Do.
Shipbuilding and Shipping Record...	The Proprietors
Shipping Monthly	Purchased
Sibley Journal of Mechanical Engineering	The Proprietors
Steamship	Do.
South African Engineering	Do.
Steel Structures (several copies) ...	Do.
Syren and Shipping	Purchased
The Camel (Messrs. Cammel, Laird and Co.)	The Editor
The Engineering Review	The Proprietors
The Indented Bar Bulletin	Do.
The Motor Ship (sample copy) (British)	The Editor
The Motor Ship (American)	Do.
The Navy List	Purchased
The Practical Engineer	The Proprietors
The Power User	Do.
The Shipbuilder	Purchased
The Shipping World	The Proprietors
The Journal of the Institution of Electrical Engineers	Do.
The Marine Review	Do.
The Sperryscope	Do.
The Times	Purchased
The Technical Review	The Proprietors
Transactions, American Society of Civil Engineers	The Council of the Society
Transactions, Société Ingénieurs Civils de France	Do.
University of Illinois Bulletin ...	The Proprietors
Wireless World	Do.

DONATIONS.

L. C. Holthusen (Member), 10s. 6d.; F. G. Ritchie (Member), £2 2s.; W. J. Root (Member), £1; G. F. Underwood (Member), £5 5s.; I. W. J. Evans (Member), £3; J. B. Linn (Member), £2.

THE TITANIC ENGINEERING STAFF MEMORIAL BENEVOLENT FUND has been utilised for the purpose of assisting widows and children deprived of the bread winner. Donations have been given to the Royal Merchant Seamen's, the Royal Caledonian, the Wanstead Infant, Orphanages, and the Royal Scottish Corporation. The Balance Sheet shows interest on investments and donations, also the amounts allocated from the Fund.

The P. & O. Engineers' Club at Bombay was closed on account of an amalgamation and on winding up affairs it was decided to give the amount realised to the Barnado Homes, handing it over through the medium of the Institute. The sum amounted to over £400, which was passed to the Manager of the Homes on the occasion of a personal visit to Stepney Causeway.

THE AWARDS for papers, as per the subjects specified, were accorded to the following, based upon the recommendation of the Committee and endorsed by the Council:—

Harold Bullen (Member), "Hints and Deductions from practical experience." Value £3 in instruments.

J. D. Boyle (Associate Member), "Hints and Deductions from practical experience." Value £1 in instruments.

Alan J. Walker (Associate), "The Internal Combustion Engine." £2 in instruments.

W. C. Grant (Graduate), "A visit to the Shipping, Engineering and Machinery Exhibition." £1 in instruments.

A deck watch has been given for presentation as an award by Mr. R. Thompson.

THE DENNY GOLD MEDAL was awarded to Mr. J. T. Milton by the Council for his paper on "Brass and other Copper Alloys in Marine Engineering," read May 1st, 1917.

LLOYD'S REGISTER SCHOLARSHIP.—The results of the examination showed the following to be the first three candidates, and arrangements were made to interview them at the

Institute premises by a Committee nominated by Lloyd's Register of Shipping and by the Council of the Institute; a report was afterwards submitted to Lloyd's Register on each of the three candidates:—

1. Percival Higgs, who had also sat for the Whitworth Scholarship and had gained this, hence was ineligible to receive another.

2. John Ford who had gained another Scholarship in connection with the London Polytechnic and whose practical experience and proposed technical and theoretical training were not quite in keeping with the regulations as to Marine Engineering—largely due to the Scholarship otherwise obtained.

3. Ewen H. Smith, who was in respect to the theoretical and practical training approved, while his views were also in harmony with the regulations, was awarded the Scholarship. Unfortunately congestion at the University prevented his entrance at the beginning of the Session and he had promptly made arrangements to continue at work and study privately meantime under the guidance of a tutor.

Lloyd's Register Committee kindly repaid all the necessary expenses in connection with the examination.

The Notices and Subjects with Syllabus for the forthcoming Session have been issued, including the proposed examination for Student Graduates.

THE JUNIOR SECTION has been increasing. Several models have been kindly presented for the use of the Juniors by Mr. J. Thorburn (Member), these are placed in the room set apart for the Juniors to examine and study.

THE BRITISH MARINE ENGINE AND BOILER CONSTRUCTION COMMITTEE have had under consideration important details and made recommendations with a view to harmonising the Rules and Regulations of the Board of Trade and the various classification Societies.

Several details have been placed before the Council from time to time for an expressed opinion. Messrs. B. P. Fielden, J. McLaren, H. Rennie, and A. Walker are our representatives on the Committee.

THE ADVISORY COMMITTEE TO THE BOARD OF TRADE during the year have considered important questions

relating to merchant shipping. Our representative, Mr. J. Shanks, has attended the Committee meetings regularly and has reported to the Council any vital questions which have arisen.

THE PROPERTY of the Institute has been kept in good order; necessary repairs, including re-decorating the Lecture Hall have been carried out; certain additions have been made and others are in prospect when circumstances permit. The sale of the Stratford Property has been completed and the Deeds handed over to our former tenants, the North West Ham Conservative Club. The purchase of the Ground Rent for the 99 years' lease of our present premises, referred to at our last Annual Meeting, has been completed and the necessary insurances effected. The Basement, when vacated by the City of London Volunteers, was let to a tenant, Mr. A. H. Pickering (Companion), on an Agreement. Certain overhauling and fitting necessary for occupancy were carried out on a mutual agreement as to payment between the Institute and the tenant. Accommodation has been granted to the Aeronautical Institute for lectures on Aeronautics, also to The Surveyors' Association for meetings, and more recently to a Social Welfare Club connected with a Works, with which one of our members is officially associated.

THE VISITS TO WORKS on Saturday afternoons were resumed when the following visits were paid and we tender our thanks to the Companies for the courtesy extended to us. Reports of these visits have been previously given in the monthly issues.

May 17th.—Power Plant Works, West Drayton.

.. 31st.—Submersible Motors, Southall.

June 28th.—Ball & Roller Bearings Works, Chelmsford.

July 12th.—Visit to Atlantic Transport S. *Mississippi*, Royal Albert Docks.

.. 26th.—Nautical Instrument Works, Fairlop.

THE SOCIAL EVENTS were resumed and the Dinner held on October 31st—a summarised report of which appeared in the December issue—was a successful gathering. A Concert and Dance was held in the Institute premises on January 9th to inaugurate a revival of the pleasant Social Evenings associated with our operations in former years.

THE SHIPPING, ENGINEERING AND MACHINERY EXHIBITION held at Olympia from September 25th to October 21st, was opened by our President. Sir Archibald

Denny (Past President) was Chairman of the Committee of Experts and took an active part in the arrangements in connection with it. Four papers were read under the auspices of the Institute and on these occasions tea was provided for visiting members by the courtesy of the Management.

The revision of the Patents' Act received consideration at Conferences by a General Committee consisting of Representatives of Technical Institutions with a view to improvements in several of the details of the proposed new Act. The Act has now been passed with modifications, but it does not embody all the recommendations and improvements aimed at with a view to give, as it ought to give, the most ample encouragement to the inventive faculty for the benefit of the nation.

The Act of Parliament which the Institution of Civil Engineers proposed to introduce to define the designation and scope of civil engineers, was considered in Committee and communications were exchanged with other Engineering Institutions on the subject. It is considered that while the definition and status of an engineer should be placed on record as to his actual sphere of action, it is not the duty or privilege of any Institution to arrogate to itself the drastic lines within which all engineers must be brought. The claim put forward by The Institution of Civil Engineers is that all engineers, whatever their training or special field of action in civic life are civil engineers. The subject is still under discussion and modifications of the proposed Act are under consideration.

OUR PRESIDENT'S ADDRESS which was delivered on December 2nd was listened to with attention, the seriousness of the several points being realised and the consideration of the public was called to it by the Press.

We enter upon the new Session with hearty anticipation and desire to increase our usefulness in the Marine Engineering World and uphold our status, assisting to promote the best aspirations of all associated with us.

On behalf of the Council,

JAS. ADAMSON.

Hon. Secretary.

The PRESIDENT: I will now call upon the Hon. Treasurer.

The HON. TREASURER: In submitting the Balance Sheets prepared by the Auditors, I will also read their letter referring to the Income and Expenditure:—

To the Members,

THE INSTITUTE OF MARINE ENGINEERS,

TOWER HILL, E.1.

GENTLEMEN,

We have to report that we have examined and checked the Accounts of your Institute for the year ended 31st January, 1920.

The Revenue Account shows a loss of £140 8s. 7d. against a profit last year of £22 1s. 2½d., a difference of £162 9s. 9½d.

The Gross Revenue for the year is £2,802 2s., an increase of £427 12s. 11d., made up as follows:—

	Decrease.			Increase.		
	£	s.	d.	£	s.	d.
Subscriptions	—			170	6	2
*Entrance Fees	—			250	3	2
Interest	86	11	9	—		
Transactions Section	—			22	10	4
Advertisements	—			39	1	0
†Rent Receivable	—			113	1	2
Heating and Cleaning Basement	—			12	13	4
Special Donations	93	10	6	—		
	180	2	3	607	15	2
Deduct Decrease ..				180	2	3
Increase as above ..				£427	12	11

	Decrease.			Increase.		
	£	s.	d.	£	s.	d.
General Expenses	—			76	7	6
Rent, Taxes and Rates	36	6	9	—		
House Account	—			30	13	2½
Insurance	15	13	3	—		
Papers, Discussions and Printing	—			305	6	11
Interest	5	0	0	—		
Depreciation—Furniture	—			47	14	2
Do. Electric Fittings	—			9	6	3
Legal Expenses	—			0	8	6
Repairs and Redecorations	—			73	4	7
Transactions Section	—			82	6	1
Agents' Commissions	—			15	0	0
Loss on—Exhibition Tickets	—			0	10	6
Do. Dance and Concert	—			6	5	0
	£57	0	0	£647	2	8½
Less Decrease ..				57	0	0
Increase as above ..				£590	2	8½

*The total received for entrance fees has been brought to credit of Revenue Account. The entrance fees have increased from £189 8s. 5d., for previous year to £316 6s. 0d.

†This increase caused by letting basement.

The difference between the increase of £590 2s. 8d. in Expenses and £427 12s. 11d. in Revenue is £162 9s. 9½d. as mentioned in paragraph 2.

The increase in General Expenses is mainly accounted for by an Increase of £52 10s. in the Honorarium voted to the Hon. Secretary, who devotes his whole time to the work of the Institute.

The Decrease in the Rent, Taxes, Rates, etc., is due to the purchase of the Ground Lease. The Rates and Taxes have increased.

The decrease in Interest is due to sales of Investments.

The Freehold Property at Stratford has been sold. With the exception of £15 5 per cent. War Bonds (1927) all Stocks and Shares held by the Institute on general account have been sold. Out of the proceeds of these realisations the Ground Lease direct from the City Corporation has been purchased.

The total expenditure on the City Premises, including the Premium paid on Royal Exchange Assurance Company's Redemption Policy, amounts to £15,160 17s. 1d. The Policy is for £10,000. No provision has been made in the Accounts for the redemption of the excess over the amount of the Policy as it is understood that the taking out of another Policy is under consideration.

The Investments in Stocks and Shares that remain are taken at the values as at 31st January, 1919.

We have verified the Investments and the Bank Balances and have inspected the Title Deeds. 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 Institute's affairs according to the best of our information and the explanations given us and as shown by the books of the Institute.

Yours faithfully,

(Signed) WEST & DRAKE,

Chartered Accountants.

THE HON. TREASURER.—The increased income from entrance fees is particularly marked this year, and a comparison with previous years will not be out of place. The receipts from this source for the last four years are:—

					£	s.	d.
1916/17	...	...	...	...	199	6	0
1917/18	...	...	...	...	113	14	10
1918/19	...	...	...	...	198	8	5
1919/20	...	...	...	...	316	6	0

It was deemed advisable to place all entrance fees to Revenue Account, and this has been done, otherwise the debit balance would have been correspondingly higher. The time for placing a portion of these to Capital Account passed when the new premises were built and paid for.

The total of subscriptions received during the year is up by £170 6s. 2d., but I should like to draw the attention of all our members to the necessity of keeping their subscriptions up to date. You will readily realise what this means to us when I tell you that the outstanding subscriptions to end of January, 1920, form a heavy item.

The members may like to know exactly how we stand as to cost of these premises annually, for Ground Rent, Taxes, etc., now that the basement is let. We pay:—

	£	s.	d.
Ground Rent	80	0	0
Land Tax	11	2	10
Tithe Redemption	26	17	8
Rates	273	0	0
Income Tax	186	6	0
	<hr/>		
	577	6	6
Less Rent Receivable	300	0	0
	<hr/>		
Nett cost ...	£277	6	6

Our total investments last year stood at £2,899 11s. 2d., these with the exception of £200, 2½ per cent. Consols and three £5 National War Bonds, have been sold and realised, in all £2,696 6s. 3d., the £200 Consols remaining being on account of the John I. Jacobs Memorial. The Denny Gold Medal, Sir Archibald Denny Award, and the Stephen's Legacy are all a charge on the Revenue Account, the capital, having first been utilised to assist in purchasing the Stratford Property and invested in securities, is now sunk in these premises. It is hardly advisable that these capital values should be increased as liabilities on our Balance Sheet, owing to accrued interest, so the Hon. Auditors suggest that these be altered in our next year's accounts to £250, £100 and £100 each respectively, the balance of £95 10s. 8d. being placed to credit of Revenue Account.

We have to acknowledge with thanks the kindly generosity of our President in meeting the deficit of £20 17s. 7d. on our Annual Dinner.

The Concert and Dance seemed to be appreciated by all who attended, but, unfortunately, shows a small loss of £6 5s. 0d.

The Stratford Property appears at first sight to have been disposed of at a loss; this is really not the case, because had we not accepted the offer of £1,450 we should have had to spend about £250 in rebuilding the boundary wall, as it was in a very bad state of repair. By adding this contingent liability to the price obtained it brings the figure to £1,700, which, considering the length of lease which had been granted to the tenants was thought by your Council to be quite good.