

The Institute of Marine Engineers

76 Mark Lane, London EC3R 7JN



Annual Report of the Council for the year ended 31 December 1976 and accounts for the year ended 30 September 1976

1976 has been a very much better year than might have been expected, although if one looks below the surface there are a number of areas of cause for anxiety. The following highlights the more important events of the year.

The Council has directed its endeavours throughout the year in such a way as to ensure the greatest possible economy without destroying the foundations on which the Institute was built. Successful results have followed from endeavours to provide new substantial sources of profitable revenue. Some of these are short term such as the high level of activity in the Middle East with particular emphasis on the provision of technical information from the library through Marine Activities Management Limited and MARLIB. Another is the planned high intensity use of the hire of conference facilities on the first floor of the Mark Lane building on those occasions when the Institute is not using them itself.

Gratitude is expressed to the members who have accepted yet another increase in the annual subscription and to those in particular who have adopted the direct debit method of payment which, with the ever-rising cost of money and the ever-present cash flow problems, has been of the inestimable value. The sum total of all

this has turned a deficit into a surplus and as is suggested in the financial paragraph of the Report has made possible the foundation of a special fund to take some account of possible problems in 1979 (unless the property market improves) consequent upon the falling in of the tenants' leases in Mark Lane.

The re-organization of CEI has been completed with the submission to Her Majesty's Privy Council of a Resolution seeking changes in the Charter and By-Laws to bring the agreed new organization into operation.

Council extends its best wishes to the new institution inaugurated in Canada, the Canadian Institute of Marine Engineers. This organization has been created as a result of a wish by members resident in Canada that they should have their own sovereign society and it is hoped that the determined collaboration between the Canadian society and the Institute will bring benefit to both.

The detailed factual report of the year's work follows.

OFFICERS

Mr. G. Victory succeeded Mr. T. Kameen as President and Mr. G. McNee was elected Deputy President. Mr. J. McNaught was re-elected to serve as Honorary Treasurer.

Mr. and Mrs. T. Kameen were presented with mementos of Mr. Kameen's term of office as President in 1975 at the Presidential Address in October.

COUNCIL

During the year there became a casual vacancy for a second Associate Member of Council when the number of Associate Members of the Institute reached 1000. This casual vacancy will be filled at the Annual General Meeting in 1977.

To help to meet the effects of inflation, the subsistence and travel allowances for members of Council were amended, it being agreed that all Council and Committee travel would in general be at second-class rate.

The Council Dining Club was reactivated and held its first luncheon in the new building in July. A dinner was organized following the Council meeting on 24 November.

Vice-Admiral Sir George Raper ceased to be Honorary Vice-President for the Royal Navy upon his retirement from the Service and Rear Admiral P. R. Marrack, R.N., C.Eng., F.I.Mar.E., has been elected to serve in this capacity.

The new elections to Council for the year were published in the June issue of the Marine Engineers Review and a full list of the Council is on the last page of this report. A list of the Committees of the Institute is available on request.

HONOURS AND AWARDS

The following members were honoured during the year:

Sir Frederic Bolton, M.C., F.I.Mar.E.—Knight Bachelor.
Captain L. W. Bartlett, R.N., C.Eng., F.I.Mar.E.—C.B.E.
J. M. Langham, M.A., C.Eng., F.I.Mar.E.—C.B.E.
Commander T. R. Shaw, R.N., C.Eng., F.I.Mar.E.—O.B.E.
Commander E. Bradshaw, R.N., C.Eng., F.I.Mar.E.—O.B.E.
Commander D. M. Spiller, R.N., C.Eng., F.I.Mar.E.—O.B.E.
M. P. Holdsworth, C.Eng., F.I.Mar.E.—M.B.E.

REPRESENTATIVES ON OUTSIDE BODIES

Mr. T. W. Bunyan was re-elected to represent the Institute on the Lloyd's Register of Shipping Technical Committee.

Mr. J. Stuart Robinson was elected to President of the Euro-port Advisory Committee for a period of three years from November.

Dr. R. A. Goodman was appointed the Institute's representative on the Joint British Committee for Stress Analysis, in place of Mr. W. McClimont.

Mr. R. E. Goddard was appointed the Institute's representative on the North Humberside County Advisory Committee on Nautical

Training, and Mr. W. H. Sampson was appointed the Institute's representative on the Court of Bath University for a further three years.

Mr. C. I. R. St. John Brown was appointed to represent the Institute on the CEI Personal Services Working Party.

DIVISIONS AND BRANCHES

Australia/New Zealand Division

The Division held a Divisional Conference and two-day Symposium in Melbourne, on 15 and 16 September, on "Modern Diesel Propulsion Today" at which papers from eight different countries were presented.

Indian Division

The Director and Secretary attended a meeting of the Indian Division in Bombay on 15 January after visiting all the branches in India. The meeting agreed a target of forming The Institute of Marine Engineers India by 1 January 1977, with a maximum development period by mutual agreement of two years, in the intervening period resuscitating the Indian Division of the Institute with the Branches continuing to function as such. The Division appointed an Executive and a working party was set up, its convener being Mr. T. M. Sanghavi. The Indian Division office was reactivated and Council agreed a sum of Rs. 10 000 to run the Division during 1976/77.

Canada

Following the Divisional Conference in December 1975, Council agreed to help in any way with the establishment of the Canadian Institute of Marine Engineers. Detailed proposals for this were discussed by the Canadian Working Party in February and finally agreed by Council, after a Canadian Divisional meeting, which was attended by the Director and Secretary, in Ottawa on 22 April. A successful application was made to the Canadian Government for incorporation of the new organization, The Canadian Institute of Marine Engineers, which was granted on 23 April 1976. The Institute and the Canadian Institute agreed that provision would be made for new entries to the Canadian Institute automatically to become members of the Institute, such membership being limited to the provision of practical services and also that subscription collection, on behalf of those individuals who were members of both institutions, would be by the Canadian Institute, the appropriate amount being transferred to London. However, the Institute's implementation of the By-Law amending the membership year and the consequent decision to collect a nine months subscription for 1977 necessitated the Institute collecting its own subscriptions. Council wishes the new Institute well and hopes that close association will be beneficial to both organizations.

Much gratitude is due to Mr. T. M. Pallas for all his work as the Secretary for Canadian Affairs during the past 17 years.

Annual Report of the Council for 1976

COUNCIL REPRESENTATIVES

Overseas

Mr. Frank Menzies was appointed Council Representative in the Caribbean, Mr. O. Rooney in Townsville, New South Wales, and Mr. B. M. Moloney in Cairns, New South Wales.

BRANCHES

The system of funding U.K. branches was amended to revert to a two-part system of a basic grant of £100, together with a *per capita* grant of 50p, in the hope that this would alleviate some of the financial difficulties being encountered by the smaller Branches. Special cases for financial assistance had been made during the financial year by some smaller Branches as a result of which the Institute met some deficits shown in U.K. Branches' accounts at the end of the financial year 1974/75.

Arab Branch

In April a new branch was inaugurated in the Middle East, based in Egypt. To mark the inauguration of the Arab Branch of the Institute, a four-day conference was held in Alexandria. The conference, which was opened by the Egyptian Minister of Maritime Transport, was attended by the Director and Secretary of the Institute, Mr. J. Stuart Robinson.

Hong Kong

A joint branch has been formed between the Institute and the Royal Institution of Naval Architects in Hong Kong.

Singapore

Additions and amendments to the Singapore branch rules were approved by Council, particularly to comply with the Registrar of Societies in Singapore. The branch organized a most successful seminar on Marine Technology from 4-6 November.

Pakistan

The joint branch of the Institute and the Royal Institution of Naval Architects in Pakistan was inaugurated at the beginning of the year.

* * *

The U.K. Branch Honorary Officers held their annual meeting at the Institute on Friday, 12 March.

* * *

The Council is most grateful to all the honorary officers in branches throughout the world for their enthusiasm and untiring efforts in promoting the Institute and its activities.

Full reports of the activities of the Divisions and Branches are published separately.

FINANCE AND ACCOUNTS

During the year, in which inflation was running between 26 per cent and 16 per cent, the Institute's costs rose by only 7.3 per cent which contributed substantially to the turn-round from a £17 073 deficit, last year, to a surplus of £14 707, after creating a special reserve fund, on the capital account, to provide for any unknown or unexpected financial problems which may occur during 1979, consequent upon the expiry of the tenants' leases at the beginning of that year. As it is predicted by all the economic signs in the U.K. that an inflation rate of 15 per cent can be expected in 1977, it will be seen that complacency must not be allowed and that the close surveillance of costs, that has been exercised by the Council and staff in 1976, must continue. This exercise must also include an examination of the suitability of some of the current services, possibly even the creation of new ones more in line with the conditions of today.

Income from members' subscriptions increased by 24 per cent (£60 616). Rents received showed an increase of £53 346, mainly derived from additional rents of £38 000 and extra service charges of £12 486, with garage rents contributing an extra £1267. Cost of services, in which rates (local taxes) play a big part, have increased by £30 179.

Publications have not quite maintained the position achieved in 1974/75, for, while advertising revenue has increased by £7 033 (7.1 per cent), services sales have decreased this year by £3 669 (6.0 per cent). Direct costs have been held down to an increase of £2 869. It is perhaps helpful, when considering the static position on publications, to bear in mind that the economic climate in the U.K. did not show any appreciable improvement during 1975/76, which must have affected advertising budgets and thus the Institute's income. It can be expected that the recession in U.K. trade for 1976/77 will not greatly alter from that which occurred in 1975/76, therefore very close monitoring of the way publications are progressing during the coming months will be mounted.

During the year £5 825 was awarded in Educational Grants, an increase of £425 over 1974/75.

Professional services were 8.2 per cent (£4 608) up on 1974/75, of which the expenditure on Divisions and Branches accounted for £3 251.

The Balance Sheet shows that Net Current Assets reflect the improved cash flow situation during 1975/76, particularly an increase of cash in hand of £68 584. It was not felt to be propitious to enlarge the Quoted Securities by further investment, because of the uncertain climate in industry.

The Capital Development Fund referred to earlier has been set up also to insure against the increases in interest rates in U.K., which directly affect the Institute's indebtedness to Merchant Bankers.

Members will be aware that the Council has been acutely sensitive to the monitoring of costs during the year under review and the result fully justifies Council's determination in this respect. It is interesting to note that the "Excess of Expenditure over Income from Members" figure of £14 192 compares with the fact that, if subscriptions had not been increased, that figure would have been £74 808. Income from other sources would not have absorbed this and the future of the Institute would have been bleak.

Nevertheless, one result such as 1975/76 should not be allowed to colour attitudes and to bring complacency. In the short term, as well as the long run, it is essential that future years show surpluses of figures at least similar to 1975/76. At the same time, members must appreciate that the internal organization has been costed to a fine degree and that it has now reached the point where no further good would come from cutting back in this area. In fact rather the reverse, because any further economy must reduce the ability to carry out the actual purposes for which the Institute exists.

BY-LAWS

The proposed revisions to the By-Laws, which were approved by the members at the Annual General Meeting in April, copies of the proposed revisions having been circulated in the March issue of M.E.R., have been approved by the Privy Council, subject to minor and (mainly editorial) amendments. The revisions will be brought into effect as applicable.

SUBSCRIPTIONS

The By-Law aligning the membership year of the Institute with the financial year is being implemented and it has been agreed that the rates of subscription for the 9 months from 1 January 1977 will be:

Fellow	}	£16.00
Member		
Companion		
Associate Member		
Consociate of 22 years of age and over		
Consociate below the age of 22 years		£6.50

Subscriptions for those members retired from remunerative service will be £5.50 with publications, or £4.00 without publications. Subscriptions for those in Bangladesh, Pakistan, Sri Lanka and India will be the same for Consociates below the age of 22 and retired members, but £12.00 for other classes. The registration fee for automatic receipt of Transactions will be £2.00 per annum from 1 January 1977.

MEMBERSHIP

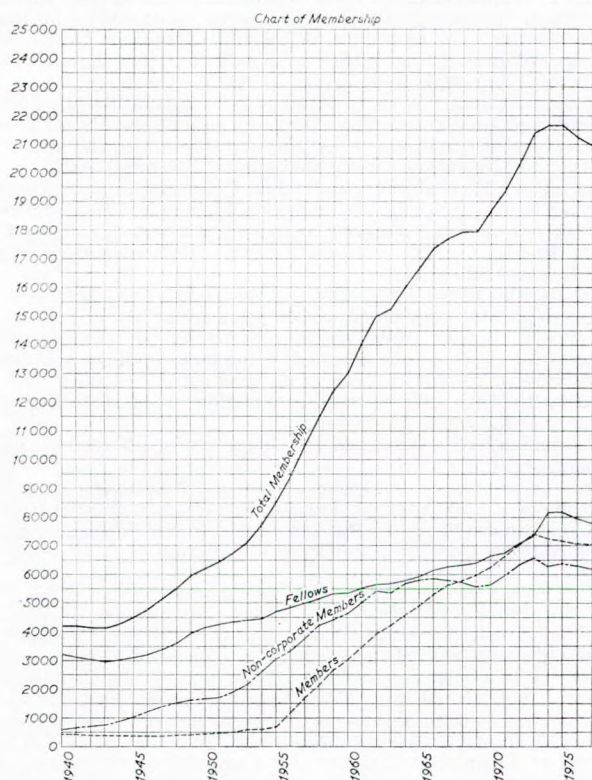
It is disappointing that, for the second successive year, there has been a net reduction in membership, this year a net loss of 437. A new method of compiling the membership statistics has been introduced and this has brought to light an accumulative error in those prepared in preceding years. An amendment, which is of the order of 1 per cent, has been made and is shown under the heading "Adjustment for prior years". The net result of this is that the 437 loss is reduced to 219. A total of 724 new members were elected and 196 transferred to another class. Unhappily, however, there were 456 resignations, of whom 234 were Corporate members, 124 being over 60 years of age and 97 over 65. 630 members were deleted for non-payment of subscription and the total loss during the year, including those who died, was therefore, 1161. It was encouraging that a high proportion of elections were from overseas, including 80 from Egypt, presumably as a result of the newly formed Arab Branch. Despite fears that recruitment to the Associate Member class might fall as a result of those holding the First Class Certificate of Competency not being accepted for Corporate membership, it has not proved to be the case and the elections to the Associate Member class have been second only in numbers to those to Consociate.

The study group, set up to consider the membership trends within the Institute, circulated questionnaires to various membership groups and made comments, suggestions and recommendations as a result, in particular that the membership structure should be reappraised, considering the possibility of having a simplified structure with one, or at most two, classes of membership. It was recommended that a new approach be made to the Privy Council to permit the fuller use of designatory letters. The viability of student membership from both the Institute's and the individual student's viewpoint was questionable. Further investigations into

Annual Report of the Council for 1976

MEMBERSHIP TABLE

	Total 31 Dec. 1975	Transfer To	From	Elected	Died	Resigned	Removed from Roll	Adjustment for prior years	Total 31 Dec. 1976	Increase or Decrease
Fellows	7919	27		44	63	183	56	80+	7768	151-
Members	7019	40	23	78	5	51	116	73+	7015	4-
Companions	4								4	
Associate Members	885	102	14	220	1	8	10	13+	1187	302+
Associates	610	28	29	130	1	5	12	8+	729	119+
Consociates	4758		131	252	4	209	436	44+	4274	484-
Honorary Members and Past Presidents	21				1				20	1-
	21 216	197	197	724	75	456	630	218+	20 997	219-



the requirements of seagoing members were agreed. Council is considering a possible new class of membership to meet the needs of members qualified overseas. Subscriptions for those retired from remunerative service are under constant review.

There remains a need to recruit into all classes of membership.

MEMORIAL BUILDING

The reconstructed and rearranged accommodation, consisting of Lecture Hall, public rooms and Marine Engineers Club, on the first floor, has been in use throughout the year, accommodating most of the Institute meetings and being increasingly used by outside organizations to the benefit of the Institute.

The ability to cater for up to 185 people with a great deal of flexibility in the available accommodation on the first floor has contributed to a far greater use of the Institute's building, and it is most encouraging that so many members should come to Mark Lane.

Marine Activities Management Limited

The MARLIB information service formed the basis for certain overseas activities at the expense of encouraging subscribers. The most important of these was a visit to the Middle East, where in Basrah, Kuwait and Bahrain contacts were established, in particular with the Academy for Maritime Studies in Basrah. A steady income from technical enquiries, book sales and photocopying service operated by MARLIB has been maintained.

The Chairman of the Board, Mr. W. McClimont, resigned during the year and the Company Secretary, Miss E. G. Overton, left the Institute's employ.

A lubricating oil survey has been undertaken at the request of leading producers and a final report of the statistics supplied will be published.

In other activities, cost saving has been the keynote and the outlay on book binding, journal and reference book subscriptions and library book purchases has been carefully controlled.

SOCIAL EVENTS

The following social functions were held during 1976:

Cocktail Party for Engineers Registration Board representatives, 12 February at The Institute.

Annual Dinner at Grosvenor House, 12 March.
Attendance 1505.

IMAS 76

Institute of Marine Engineers Reception, 27 April.
Attendance 175.

Government Reception Lancaster House, 28 April.
Lloyds Reception, 29 April.

Attendance approximately 230.

Charity Ball at Hilton Hotel, 21 May.

Attendance 353.

Cocktail Party following Presidential Address at Institute, 5 October.

Attendance 56.

Luncheon for some diplomatic staff at The Institute, 7 October.
Conversazione at Grosvenor House, 5 December.

Attendance 953.

Conversazione at Grosvenor House, 19 December.
Attendance 1087.

Golf Meetings:

Spring Institute	Attendance 54
Guild of Benevolence	Attendance 72
Autumn Institute	Attendance 50

Marine Media Management Limited

The company is responsible for organizing the technical meetings and conferences, and is also the publisher for the Institute.

TECHNICAL MEETINGS AND CONFERENCES

The first meeting in the modernized lecture hall was held on 13 January and grateful thanks were sent to the Royal Institution of Naval Architects for their hospitality and loan of their comfortable facilities during the period of alterations to the Institute. During the year 12 meetings and 4 conferences, including the three and a half day IMAS 76 conference on "The Effect of Energy Supply on World Shipping", were held.

PUBLICATIONS

A contract for printing *Marine Engineers Review*, which had been undertaken by St. Stephen's Bristol Press Limited, was given to Blackfriars Press Limited, of Leicester, from the July issue onwards. St. Stephen's Bristol Press Limited continue to print *Transactions*.

i) M.E.R.—*Marine Engineers Review*

It was not an easy year for any of the marine publications. Steps initiated last year to make *MER* fully commercial were further implemented and included a tight control over the ratio of advertisements to editorial, the cancellation of the abstracts, for which there was little demand, and the removal of Branch and membership news from the *MER* which is now provided instead as an I.Mar.E. news loose insert.

The October issue contained a special feature on compressed air, aimed at the reader who wanted a short review of the growing uses of compressed air in ships and on offshore structures. It is planned to produce similar special features bi-monthly.

ii) *Technical Reports (Transactions)*

Transactions have been re-named *Technical Reports*, which is more explicit and at the same time should improve sales to non-members, an important source of revenue.

Series A contain the papers presented normally at evening meetings, which are available free to members on request.

Series B contain the papers presented at conferences, members qualifying for the reduced price.

Annual Report of the Council for 1976

iii) Technical Books

During the year the following new books have been published by the Institute:

- a) *Materials for Marine Machinery*
This is a major new book on the subject with contributions from eleven recognized experts in the field of marine metallurgy, edited by H. Capper and S. H. Frederick.
- b) *Pumping Systems and Their Ancillary Equipment*
by L. Sterling.
- c) *Ship Maintenance—A Quantitative Approach*
by S. Shields, K. J. Sparshott and E. A. Cameron.
- d) *Marine Engineering Practice Volume 2*
Part 11—"Corrosion for Marine and Offshore Engineers"
by J. C. Rowland and B. Angell.
Part 12—"Commissioning and Sea Trials of Machinery in Ships" by A. Norris.
Part 13—"The Theory and Practice of Controllable Pitch Propellers" by Commander E. R. May, R.N.

SALES AND ADVERTISING

i) Sales

In total, publications sales have shown some fall off. While *Technical Reports (Transactions)* have maintained an increasing sales trend, books have not met with the hoped for demand. To some extent last year was exceptional with the availability of M.E.P. Volume 1, for which a substantial demand had accrued during 1974. Sales to students through training establishments were also higher than normal. As many titles have passed peak sale and become dated, future sales expansion will depend on new titles. The main problem continues to be to get the Institute's services better known throughout the world and to find agents who will actively sell the Institute's books abroad, in particular *Technical Reports* which are a unique source of up-to-date technical information of use to libraries and research organizations.

ii) Advertising

The small increase in *MER* advertisement revenue, during a difficult year for international shipping, reflects the status and authority of the journal. Extension of representation in certain overseas countries is being actively pursued and the support given to advertisement representatives has been greatly strengthened. Classified advertising has been actively pursued and shows an encouraging trend. Members can assist by recommending *MER* as an advertising medium and seeking inclusion of the journal in their own company's advertising media schedules, wherever possible.

WEST EUROPEAN CONFERENCE ON MARINE TECHNOLOGY

The provisional conference programme for the second conference, organized jointly by the Western European institutions of naval architects and marine engineers, has been agreed and the conference on "Safety at Sea" will take place in London in May 1977.

IMEX 76

The IMEX 76 exhibition was held concurrently with IMAS 76 at Earl's Court and was jointly sponsored by the Institute and BMEC. Although reservations were expressed about IMEX as an exhibition, attendance at the Institute's stand was good.

The Director and Secretary continued to represent the Institute as a member of the Advisory Board.

GUILD OF BENEVOLENCE

To strengthen the working relationship between the Guild and the Institute, two further members of Council, Mr. F. C. Bown and Mr. J. H. Milton, were appointed to serve on the Guild Committee.

Mr. R. R. Strachan retired as Chairman of the Guild in July and Mr. R. Munton accepted this position.

Mrs. Ayres, Matron to the Guild House, retired in June and Miss J. Sandford was appointed.

It was with very great sadness the death of Mr. Robert Cook, Treasurer of the Guild, was reported in August. He was succeeded by Mr. J. McNaught.

Every endeavour is being made to reduce the deficit on the Guild House and priority must be given to ways and means of filling the vacant rooms.

Council of Engineering Institutions

The Institute's subscription to CEI for 1976 was £12 160. The total membership of constituent institutions for 1975/76 (as at 1 July) was:

	1975	1976
Corporate	211 431	210 703
Non-Corporate	113 022	115 070
	<hr/> 324 453	<hr/> 325 773

Mr. G. Victory represented the Institute on the Board and Mr. W. McClimont represented both the Institute and the R.I.N.A. on the Executive Committee, Mr. B. Hildrew being on the committee in his individual capacity.

The Institute was represented on Standing Committees A, B and C by Mr. D. H. Alexander, O.B.E., F.C.G.I., M.Sc., Wh.Sc., C.Eng., F.I.Mar.E.; Mr. J. McAfee, C.Eng., F.I.Mar.E.; and Mr. G. Victory, C.Eng., F.I.Mar.E., Captain W. S. C. Jenks, O.B.E., R.N., C.Eng., F.I.Mar.E., chaired Standing Committee D.

The Duke of Edinburgh completed a 10-year term as founder President of CEI and Lord Hinton of Bankside, O.M., K.B.E., F.R.S. was elected President. Mr. G. A. Dummett was elected Chairman.

A Tenth Anniversary Banquet was held at Guildhall in February, at which was announced the establishment of the Fellowship of Engineering, a body of engineers of the highest eminence.

A new Supplemental Charter and By-Laws were approved by the Board at the end of September and a newly structured profession has been set up. The Institution of Electrical Engineers have now officially withdrawn their notice to resign from the Council. A re-structured regional organization is one of the principal new features, and Captain W. S. C. Jenks is to be congratulated on his energetic and time consuming efforts to stimulate and establish this structure, as Chairman of the Working Committee and later of the Standing Committee for regional affairs. The new constitution will result in CEI comprising individual Chartered Engineers and corporate bodies, including non-chartered affiliate bodies, and provides for free national elections of individual chartered engineers to the Board, together with nominated chartered engineering institution representatives.

The results of the 1975 Survey of Professional Engineers were published, the Steering Committee being chaired by Mr. B. Hildrew. The report covered trade union membership of professional engineers for the first time and one of the main findings was that the increase in income of professional engineers, in the two-year period up to April 1975, showed a reduction in the real value of income over the whole profession.

In January CEI published a 12-page report on professional engineers and trade unions.

It was announced in December that the MacRobert Award, consisting of £25 000 and a gold medal, would not be given in 1976.

Commander M. B. F. Ranken, R.N., was Chairman of the British National Committee on Ocean Engineering.

Engineers Registration Board

Dr. J. Cowley served as Chairman of the Technician Engineer Board and was re-elected for a second term of office.

Mr. G. R. Hodge has been elected Chairman of the Technician Section, having served as its Vice-Chairman the previous year. At 30 September, 44 institutions were in membership of the Technician Engineer Section and 31 institutions of the Technician Section. The registers of Technician Engineers and Technicians have continued to increase and approximately 70 per cent of eligible persons in the member institutions have now been registered.

The death of Mr. Stanley Caselton, Secretary of the Institution of Production Engineers, is recorded with regret.

A full report of the activities of the Council of Engineering Institutions is published by CEI and is available from 2 Little Smith Street, London, SW1P 3DL.

* * *

EDUCATION AND TRAINING

During the year, the Professional Affairs and Education Committee discussed methods by which an integrated system of education could be presented to young marine engineers, so that, in the course of their training, they would have the opportunity to attain the academic level best suited to their own needs and abilities. By the end of the year, the proposals were nearing the stage where they could be offered for discussion with other organizations.

Discussions have been initiated with the organizers of the Sealife Programme, organized under the direction of the General Council of British Shipping.

INSTITUTE GRANTS FOR EDUCATION PURPOSES

During the year, 24 students taking the marine engineering degree course at the Universities of Newcastle and Surrey, and 12 taking the Extra First Class Certificate course at the technical colleges of Hackney (Poplar Centre), South Shields and Glasgow, were in receipt of Institute grants.

HONORARY LIFE MEMBERS

Those Honorary Life Members elected in 1975, who were able to be present, attended a luncheon of the Council Dining Club on Wednesday, 14 July, and were presented with their certificates.

The following were elected to Honorary Life Membership in 1976 upon completion of 50 years continuous service:

Annual Report of the Council for 1976

A. Berry
F. W. Timpson
O. Kahrs
R. Morton
R. M. Gibbs
J. R. Taylor
J. T. Carnaghan
M. Doig
H. D. Adam
T. C. English
J. W. A. Jack
A. H. Barnes
*Cdr. F. M. Paskins
F. S. McLay
J. J. Harding

B. M. Williams
B. H. Davison
R. M. Murray
R. T. Gardiner
A. B. McIntyre
R. M. Knox
A. Littler-Powell
B. Pugh
W. J. D. Middleton
E. B. Dodd
T. T. Bollons
P. H. L. Thomas
†S. Hogg
C. E. Pinel
D. Grice

* Commander Paskins is an Honorary Vice-President and was for many years a member of Council, and Chairman of Council in 1963.

† Mr. Hogg is an Honorary Vice-President and was for many years a member of Council, being chairman of Council in 1953 and chairman of the social events committee.

MARINE ENGINEERS CLUB

At the end of its first year of operation, the number of members of the Club had reached 806, of which 136 were not members of the Institute. A gaming licence was obtained in May.

Mr. C. A. Creber was appointed to the Club Committee as Council representative.

The first accounts for the Club were for a 10-month year ended 30 September and, taking into account the difficulties of launching such a new venture, the deficit for the year of £121 reflected the need to adjust the staff and other running costs. The Club Committee is thanked for the time and efforts spent during the year in handling Club matters.

INSTITUTE AWARDS

The following major awards were made:

The Denny Gold Medal for 1976 has been awarded to A. Hill, C.Eng. (Fellow) for his paper "Modern Bearing Design and Practice" presented on 30 March 1976.

The Institute's Silver Medal for 1976 has been awarded to Prof. Dr.-Ing. O. Geisler, Dr.-Ing. M. Gietzelt and Dipl. Ing. W. Tischler for their paper "Efficiency of Waste Heat Recovery Systems in Motorships" presented on 30 April 1976.

The Prize for the best paper presented at the IMAS 76 Conference has been awarded to Prof. Dr.-Ing. O. Geisler, Dr.-Ing. M. Gietzelt and Dipl. Ing. W. Tischler for their paper "Efficiency of Waste Heat Recovery Systems in Motorships".

The W. W. Marriner Extra First Class Certificate Prize. The W. W. Marriner Extra First Class Certificate Prize for the candidate obtaining the highest marks in the Department of Trade's examination in 1976 has been awarded, on the recommendation of the Chief Examiner of Engineers, to Bhu Dev, C.Eng., M.I.Mar.E.

The W. W. Marriner Memorial Prize for the best engineering script written by a candidate in the Department of Trade's examinations of the Second Class Engineer Certificate of Competency has been awarded, on the recommendation of the Chief Examiner of Engineers, to P. Keaney.

The Frank Roberts Award for the student gaining the highest marks in the Phase III examination of the Ordinary National Diploma under the alternative training scheme has not been awarded for 1976.

William Theodore Barker Award. The award has not been taken up for 1975.

DEATHS

Those members who have died have had their names reported in the *Marine Engineers Review*. Amongst those who gave particular service to the Institute were:

Mr. Robert Beattie, an Honorary Vice-President and past member of the Council, who was particularly involved with the Scottish Branch.

Mr. Robert Cook, M.Sc., who was Chairman of Council in 1959 and Honorary Treasurer from 1966-73. He was also Honorary Treasurer of the Guild of Benevolence from 1966.

Mr. B. C. Curling, O.B.E., an Honorary Member who was a member of the staff from 1921-51 and Secretary from 1930-51.

Mr. G. H. M. Hutchinson, three months after celebrating his 100th birthday, on which occasion Council sent a congratulatory telegram.

Mr. R. F. Manson, Honorary Life Member and former member of Council.

Mr. I. W. Robertson, a past member of Council and Chairman of the Social Events Committee.

Mr. H. S. Smith, President of the South African Institute of Marine Engineers.

STAFF

Pension Scheme

Mr. J. McNaught was appointed a third trustee of the pension scheme in addition to Mr. B. Hildrew and Mr. J. Stuart Robinson.

Mr. J. B. Moore joined the Institute's staff as Librarian in January. He has since been made responsible for the technical information service, Mrs. G. Wotherspoon being appointed Librarian.

With the expansion of conference activities, Mr. H. D. Williams took general control of conference facilities and social events, being given special responsibility for extending the Institute's interests in the Middle East.

Mrs. V. F. Groom retired at the end of the year.

Mr. J. W. Spooner resigned to take up a new appointment and Mr. P. Kingston was appointed Finance Officer in September.

Mrs. A. Sizer retired after 25 years' valuable service to the Institute and Mr. R. W. Thornton was appointed Registrar with responsibility for the Membership Committee's work in addition to being responsible for the general office management.

The Assistant Registrar, Mr. J. Fuller, retired through ill health in November.

Miss E. G. Overton left the Institute's employ, after 15 years' service, and Mrs. R. Webster assumed responsibility for the administration of conference registration and Institute awards.

To streamline the production of all publications, the functions of the staff at present editing *Transactions* and *Marine Engineers Review* were merged, Mr. J. Pinkney becoming Production Supervisor, leaving Mr. R. E. E. Allen as Editor of *MER*.

Mr. D. E. Neal resigned to take up an appointment with Kingslea Press Limited, the Institute's major advertising agent, and Mr. F. S. Tatham was appointed Advertising Manager.

Mr. D. Beaumont-Wright became responsible for the overall administration of sales and advertising.

Mr. J. Pinkney completed 15 years' service with the Institute in May.

REMEMBRANCE DAY

Mr. and Mrs. G. McNee represented the Institute, at the service at Westminster Abbey, and Mr. C. A. Creber represented the Institute and laid a wreath at the Tower Hill service on Sunday, 14 November.

THE SOCIETY OF NAVAL ARCHITECTS AND MARINE ENGINEERS

The President and Mrs. Victory represented the Institute at the S.N.A.M.E. Bicentennial General Meeting in New York in November.

STATUE OF JAMES WATT

The Institute contributed to the moving of the statue of James Watt, by Chantrey, from the Transport Museum, at Clapham, to St. Paul's Cathedral.

ORGANISING COMMITTEE FOR BRITISH SHIPBUILDERS

The Institute expressed its support for the work of the Organising Committee, in particular for the working party on research and development, under the Chairmanship of Vice-Admiral Sir George Raper.

G. VICTORY (*President*)

J. STUART ROBINSON (*Director and Secretary*)

THE INSTITUTE OF MARINE ENGINEERS — ACCOUNTS

REVENUE ACCOUNT

YEAR ENDED 30 SEPTEMBER 1976

	Notes	1976		1975		
		£	£	£	£	
Income						
From members' subscriptions and entrance fees	1	314,092		253,476		
Sundry		3,254		1,329		
		<u>£317,346</u>		<u>£254,805</u>		
Less: Cost of Services Provided						
Direct Expenditure on salaries and supplies in respect of:						
Technical Services:						
Publications—(A) over page		44,324		44,819		
Library		12,278		11,692		
Sessions		9,187		7,856		
Conferences		(1,437)		471		
		<u>64,352</u>		<u>64,838</u>		
Educational Grants and Prizes		8,376		7,673		
Professional Services:						
Council of Engineering Institutions and Engineers' Registration Board ...		19,283		16,952		
Divisions and Branches		23,765		20,514		
Development including Public Relations		17,697		18,671		
		<u>133,473</u>		<u>128,648</u>		
Indirect Expenditure in respect of the above:						
Membership and Maintenance of Register		31,409		31,522		
Council and Committees		8,886		13,313		
Administration:						
Employers' staff costs—(B) over page		53,194		53,280		
Overheads including occupancy		104,576		82,235		
		<u>198,065</u>		<u>180,350</u>		
		<u>£331,538</u>		<u>£308,998</u>		
Excess of Expenditure over Income from Members			14,192		54,193	
Investment Income:						
Net Rents—(C) over page		73,477		50,310		
Dividends and Interest		14,391		14,681		
		<u>87,868</u>		<u>64,991</u>		
Less: Charges thereon						
Mortgage Repayment		15,000		15,000		
Interest	2	8,963		10,871		
		<u>63,905</u>		<u>39,120</u>		
Net Surplus on Social Events—(B) and (D) over page			3,127		—	
Credit arising on Foreign Exchange Fluctuations			6,867		—	
			<u>73,899</u>		<u>39,120</u>	
Less: Provision against amount due from Marine Engineers Club			2,500		—	
			<u>71,399</u>		<u>39,120</u>	
Excess of Income over Expenditure			57,207		(15,073)	
(1975—Excess of Expenditure over Income)						
Appropriations:						
Redemption provision	2	1,000		1,000		
Donation to the Guild of Benevolence		1,500		1,000		
Transfer to Capital Development Fund		40,000		—		
		<u>(42,500)</u>		<u>(2,000)</u>		
Surplus (Deficit) transferred to Reserve Fund			<u>£14,707</u>		<u>£(17,073)</u>	

THE INSTITUTE OF MARINE ENGINEERS — ACCOUNTS

REVENUE ACCOUNT—ADDITIONAL INFORMATION

YEAR ENDED 30 SEPTEMBER 1976

A) Publications

	1976		1975	
	Services Provided Free to Members £	Services Sold £	Services Provided Free to Members £	Services Sold £
Direct Costs	182,534	25,635	176,033	29,267
Less: Advertisement and other revenue	106,539	—	99,506	—
Sales	—	57,306	—	60,975
Net Cost	75,995	—	76,527	—
Contribution	—	31,671	—	31,708
Net Charge to Revenue Account	£44,324		£44,819	

B) Employers' Staff Costs

	1976	1975
Direct Services to members, Publications and Net Rents	156,968	142,011
Indirect Services	53,194	53,280
Social Events	4,028	—
	<u>£214,190</u>	<u>£195,291</u>

C) Net Rents

	1976	1975
Rents receivable	164,257	110,911
Less: Associated costs		
Employers' Staff Costs (included in (B) above)	20,173	15,266
Services and Supplies	70,607	45,335
	<u>90,780</u>	<u>60,601</u>
	<u>£73,477</u>	<u>£50,310</u>

D) Social Events

	1976	1975
Income	35,798	28,595
Less: Associated costs		
Employers' Staff Costs—(B) above	28,643	25,382
Social Events	4,028	—
	<u>32,671</u>	<u>25,382</u>
Net Surplus	£3,127	£3,213

The net surplus for 1975 was credited to the Reserve Fund.

THE INSTITUTE OF MARINE ENGINEERS — ACCOUNTS

BALANCE SHEET

30 SEPTEMBER 1976

	Notes	1976		1975	
		£	£	£	£
Investments:					
Leasehold Property	4	562,202		536,148	
Quoted Securities	5	162,978		154,510	
Cash held for investment		25,111		31,340	
			<u>750,291</u>		<u>721,998</u>
Fixtures and Fittings	6		29,604		25,654
Net Current Assets	1		38,285		374
Awards Funds					
Investments and Cash			44,627		41,029
			<u>£862,807</u>		<u>£789,055</u>
Financed by:					
Capital Fund	2		575,426		559,426
Capital Development Fund			40,000		—
Reserve Fund	3		192,707		178,553
Development Fund			10,047		10,047
Awards Funds	7		44,627		41,029
			<u>£862,807</u>		<u>£789,055</u>

REPORT OF THE AUDITORS TO THE MEMBERS OF THE INSTITUTE OF MARINE ENGINEERS

As indicated in Note 8, the Accounts fully incorporate the income and expenditure of the two wholly owned subsidiary companies for the year ended 30th September, 1976, and the assets and liabilities thereof at that date.

Subject to the foregoing, in our opinion the Accounts and Notes set out on pages A6 to A11 give a true and fair view of the state of affairs of The Institute of Marine Engineers as at 30th September 1976 and of the Income and Expenditure for the year ended on that date.

Wellington House,
125/130 Strand,
London, WC2R 0AZ
28th February, 1977.

ALLFIELDS,
Chartered Accountants.

THE INSTITUTE OF MARINE ENGINEERS — ACCOUNTS

NOTES ON THE ACCOUNTS

YEAR ENDED 30 SEPTEMBER 1976

1) Net Current Assets

	1976		1975	
	£	£	£	£
Stocks—at the lower of cost and net realisable value	90,065		97,456	
Debtors and Prepayments	93,501		77,315	
Cash—at bank and in hand in the United Kingdom	39,077		64	
—held overseas	31,334		1,763	
		253,977		176,598
Less: Creditors	154,576		115,707	
Unexpired Subscriptions	73,461		62,902	
Bank Overdrafts	—		1,137	
		228,037		179,746
		25,940		(3,148)
Adjustment in respect of expenditure on building extension and modernisation				
Receivable from merchant bank	30,161		72,274	
Less: Due to contractors	17,816		68,752	
		12,345		3,522
		£38,285		£374

Debtors and Prepayments include amounts receivable for 1976 subscriptions totalling **£12,246** (1975 £12,573). The Sterling equivalent of assets held abroad has been calculated in accordance with the official rates of exchange ruling at 30th September, 1976.

2) Capital Fund

	General	Leasehold Property Redemption Reserve	Total
	£	£	£
At 30th September, 1975	542,426	17,000	559,426
Add: Appropriations from Revenue Account	15,000	1,000	16,000
At 30th September, 1976	£557,426	£18,000	£575,426

3) Reserve Fund

	£	£
At 30th September, 1975		178,553
Add: Surplus for the year transferred from Revenue Account	14,707	
Less: Loss on sale of investment	553	
		14,154
At 30th September, 1976		£192,707

THE INSTITUTE OF MARINE ENGINEERS — ACCOUNTS

NOTES ON THE ACCOUNTS (Continued)

YEAR ENDED 30 SEPTEMBER 1976

4) Leasehold Property													
76 Mark Lane, London held on a lease expiring in 2057													
											Existing	Extension and Modernisation	Total
											£	£	£
At cost of construction and additions to 30th September, 1975	...	...	...	...	...	...	...	...	...	...	701,148	366,538	
Expenditure during the year including interest and facility fees of £58,354 on advances	...	...	...	...	...	...	...	...	...	...	—	220,900	
											<u>701,148</u>	<u>587,438</u>	
Less: Balance of mortgage secured thereon and repayable in annual instalments of £15,000...	...	...	...	...	...	...	...	...	...	...	150,000	—	
Unsecured advances received and receivable from merchant bankers	...	...	...	...	...	...	...	...	...	...	—	576,384	
											<u>£551,148</u>	<u>£11,054</u>	<u>£562,202</u>
At 30th September, 1976	...	...	...	...	...	...	...	...	...	...	<u>£536,148</u>	<u>—</u>	<u>£536,148</u>
At 30th September, 1975	...	...	...	...	...	...	...	...	...	...

Valuation:

In the opinion of Richard Saunders & Partners, Chartered Surveyors, the capital value of the Institute's leasehold interest as at 31st December, 1976, for balance sheet purposes is at or about a figure of £5,000,000. This valuation assumes that the property will continue to be held by the Institute as an investment and to provide accommodation for the conducting of the day to day business of The Institute of Marine Engineers.

Repayments of the loan from merchant bankers together with accumulated interest is to commence in June 1980 by eight equal half-yearly instalments.

5) Quoted Securities

These consisted of Gilt Edged Stocks and British and American Fixed Interest Stocks and Equities at Cost. They have been valued as at 30th September, 1976 at middle market prices and in the case of those held abroad their Sterling equivalent has been calculated in accordance with the official rate of exchange ruling at that date. On this basis their market value at 30th September, 1976 was £32,008 below their cost (£31,930 below in 1975).

6) Fixtures and Fittings

											Cost	Aggregate Depreciation	Net
											£	£	£
At 30th September, 1975	...	...	...	...	...	...	...	...	...	...	59,575	33,921	
Additions During the Year	...	...	...	...	...	...	...	...	...	...	7,240	—	
Depreciation Charged to Revenue Account	...	...	...	...	...	...	...	...	...	...	—	3,290	
											<u>£66,815</u>	<u>£37,211</u>	<u>£29,604</u>
At 30th September, 1976	...	...	...	...	...	...	...	...	...	...
At 30th September, 1975	...	...	...	...	...	...	...	...	...	...			<u>£25,654</u>

THE INSTITUTE OF MARINE ENGINEERS — ACCOUNTS

7) **Awards Funds**

	INCOME ACCOUNTS			Balances 30.9.76	CAPITAL BALANCES 30.9.76	TOTAL
	Balances 30.9.75	Income	Expenditure			
	£	£	£			
Ackroyd Stuart	338	63	54	347	700	1,047
W. W. Marriner	634	333	123	844	3,727	4,571
Denny Gold Medal	339	84	8	415	735	1,150
Extra First Class Certificate	24	28	43	9	436	445
Frank Roberts	59	21	16	64	221	285
Percy Jackson Diesel Engine	251	103	55	299	954	1,253
William Theodore Barker	1,622	379	100	1,901	3,000	4,901
Stanley H. Gray	5,352	3,672	—	9,024	21,951	30,975
	<u>£8,619</u>	<u>£4,683</u>	<u>£399</u>	<u>£12,903</u>	<u>£31,724</u>	<u>£44,627</u>

During the year, by arrangement, £686 was paid back to Percy Jackson, which amount has been taken from the relevant Award Fund.

The assets representing the Awards Funds comprise of Cash **£15,310** (1975—£11,712) and Quoted Securities at cost **£29,317** (1975—£29,317). The Quoted Securities which are Gilt Edged Stocks have been valued as at 30th September, 1976 at middle market prices and their market value at that date was **£6,622** below their cost (1975—£5,352).

8) **Subsidiary Companies**

The Accounts include the results of the subsidiary companies for the twelve months to 30th September, 1976. The subsidiary companies are:

- Marine Media Management Limited;
- Marine Activities Management Limited.

Annual Report of the Council for 1976

COUNCIL

President: G. Victory

Deputy President: G. McNee, B.Sc.

Honorary Treasurer: J. McNaught

Fellows

T. F. Balmer, B.Sc.
F. C. Bown
T. W. Bunyan, B.Sc.
S. N. Clayton
Dr. J. Cowley (co-opted)
C. A. Creber, M.Sc.
R. M. Duggan, M.A.
M. V. Elliston, B.Sc.
Dr. R. A. Goodman
A. F. Harrold, B.Sc.
F. A. Hay, B.Sc.
B. Hildrew, M.Sc.

D. J. Lochhead
W. McClimont, B.Sc.
W. Marsh, C.B.E., M.Sc. (Tech.)
J. H. Milton
S. W. Nicholls
Commander E. C. Pidgeon, R.N.
Commander E. H. W. Platt, M.B.E., R.N. (Rtd.)
P. S. Rosseter
S. Speed
N. S. Swindells
A. J. Weddle
A. J. Wharton

Vice-Presidents

D. H. Alexander, O.B.E., F.C.G.I., M.Sc., Wh.Sc.
Rear Admiral T. B. Bose, B.Sc., I.N.
Professor G. H. Chambers, D.S.C., M.Sc.
E. E. Freeth, B.Eng.
F. S. Gander, B.Sc. (Eng.)
G. R. Hodge
Captain W. S. C. Jenks, O.B.E., R.N.

E. J. Jones
J. McAfee
J. L. Snowdon
A. H. Stobbs
L. D. Trenchard
H. N. E. Whiteside
R. T. Young, B.Sc.

Members

Professor W. D. Carnegie, Ph.D., B.Sc., (Eng.)
A. A. J. Couchman, B.Sc.

Commander R. A. A. Dean, R.N.
Lt.-Cdr. A. E. Trenary, B.Sc. (Eng.), R.N.

Associate Member C. J. Taylor

Fellow (casual vacancy) A. S. Bridgwater

Past Presidents (by invitation)

Dr. S. Archer
Dr. A. W. Davis

T. Kameen

Honorary Vice-Presidents

J. Calderwood, M.Sc.
*R. Cook, M.Sc.
R. K. Craig, C.B.E.
R. W. Cromarty
W. J. Ferguson, M.Eng.
Stewart Hogg, O.B.E.
W. McLaughlin

Rear Admiral P. R. Marrack (for the Royal Navy)
W. Lynn Nelson, O.B.E.
Commander F. M. Paskins, O.B.E., R.D., R.N.R.
A. R. Riddell
D. Skae
James Turnbull, O.B.E.
H. E. Upton, O.B.E.

*deceased

The Chairmen of the U.K. and Overseas Branches (by invitation)

Branch Annual Reports

Home

KINGSTON-UPON-HULL AND HUMBER AREA

Branch membership declined from 449 to 418. Four senior meetings and one junior meeting were held. The Branch Annual General Meeting was held in January at the Queen's Hotel, Hull. Retiring committee members included Mr T Raylor, Mr D A Taylor, and Mr I F S Smith.

The Branch Annual Dinner and Dance was held in April at the Willerby Manor Hotel and was enjoyed by all present. The twenty-sixth Annual Dinner was held in the Guildhall, in October, where the principal guest was Mr G Victory.

During July, an invitation was extended to the Branch by the White Fish Authority, Industrial Development Unit, for members to visit their training centre.

Three committee members attended the CEI Prestige Lecture, given at City Hall, in October.

A T Hogan (*Chairman and acting Honorary Secretary*)

NORTH EAST COAST

Membership decreased by twenty to 1,233. There were seven technical meetings arranged for the session, one of which was the Annual General Meeting held during March.

The Annual Dinner Dance was held at the Civic Centre, Newcastle, during February, when 396 members and guests attended. There were two Golf Meetings throughout the year.

B Taylor (*Chairman*)

E A Stokoe (*Honorary Secretary*)

NORTH MIDLANDS

Total membership for the Branch was 399. The Annual General Meeting was held at the Victoria Hotel, Sheffield. Two technical meetings were arranged, at Leeds and Derby.

To reduce high costs, a policy was adopted by which Members presented lectures and arranged a local visit. During September, forty-one members participated in a technical visit, which was followed by a social occasion at the Ladybower Reservoir, Derbyshire.

Tribute was paid to committee members for their support, especially to Mr P Smith who presented two lectures during the session.

G Cokayne (*Chairman*)

T L Botto (*Honorary Secretary*)

SCOTTISH

Membership totalled 1,924, which was a decrease of fifty-one over the figure for 1975. Seven senior meetings were held in Glasgow, at which the average attendance was 320. A joint senior meeting was held with the Aberdeen Mechanical Society.

The twenty-second Annual Dinner took place in February, at the Central Hotel, Glasgow. The twentieth Annual Dinner and Dance was held at the Albany Hotel, Glasgow, in November. Both these functions were a success, as were the two Golf Meetings of the year.

A H Stobbs (*Chairman*)

J Bowes (*Honorary Secretary*)

NORTHERN IRELAND JOINT BRANCH, RINA AND IMARE

The number of Marine Engineers registered with the Branch was 245, and that of Naval Architects was sixty-eight.

There were four technical meetings with an average attendance of forty persons.

The Annual Dinner Dance was held in the Culloden Hotel, Craigavad in February. Part proceeds of the event were distributed to the Benevolent Societies of the parent bodies. The third Annual Dinner was held in October, at

the Culloden Hotel. Of the forty guests, Guest of Honour was Mr J Brown. The Golf Competition for the Firth Brown Cup was held during the holiday week in September.

A W Brew (*Chairman*)

E C Sides (*Honorary Secretary*)

SOUTH EAST ENGLAND

Since its inauguration fifteen years ago, membership of the Branch had reached 1,116.

Under the Chairmanship of Mr J Heighway, twelve senior technical meetings were arranged, including joint meetings with the Institute of Measurement and Control and the Institute of Mechanical Engineers. The average attendance at the technical meetings had shown a marked decrease on the previous two years.

During the year, four main social functions were arranged. The first was a visit to Dungeness Nuclear Power Station. A Cheese and Wine Party was held at the Medway Yacht Club and was attended by 105 members and guests. The Annual Dinner and Dance was attended by 253 members and guests. The principal guests were the President of the Institute of Marine Engineers and his wife, Mr and Mrs G Victory.

J Heighway (*Chairman*)

R M Lewis (*Honorary Secretary*)

WESTERN JOINT BRANCH, RINA AND IMARE

The year's events were most successful with good attendances at both technical and social meetings. Events included five technical meetings. The Annual General Meeting was held in March and was followed by a lecture. During May the Branch organized an interesting visit to SERCK Heat Transfer Ltd, Birmingham. There was a lunchtime discussion during September and in November an Annual Lecture of the CEI, South West Branch. The December lecture at UWIST was very popular.

An informal Buffet Dance was successful in November. The Annual Dinner was held in February in the Pump Room, Bath.

M J Reeves (*Chairman*)

E Agius (*Honorary Secretary*)

SOUTHERN JOINT BRANCH, RINA AND IMARE

Attendance at the six technical meetings averaged one hundred. Much of the credit was awarded to the Technical Committee, who arranged a good programme. A new feature was a joint meeting with the Nautical Institute, which was successful.

Admiral Sir A Griffen, GCB, was the principal guest at the Annual Dinner in October. The other major social event was the Annual Ball, held in the Polygon Hotel, in February.

After about twenty years service as Treasurer, Mr R Cousins retired in favour of Mr R Allen. However, the Branch was pleased that he would continue in office as Vice-President.

T W Paradise (*Honorary Secretary*)

WEST MIDLANDS

The session was extremely successful in terms of member participation, programmes and venue. The Branch Annual Dinner, which was held in November, was attended by 123 persons. The Annual General Meeting was followed by an interesting lecture and demonstration.

W M M Morrish (*Chairman*)

E J S Agius (*Honorary Secretary*)

Branch Annual Reports

Australia/New Zealand Division

AUCKLAND

A membership of 249, indicated a small increase of eleven from the previous year.

The Annual General Meeting was held in February. The technical programme included the presentation of three papers. In June, members and guests visited the Whangarei Engineering Shipyard, the Marsden Power Station and Marsden Point Oil Refinery.

Two social functions included a Cocktail Evening in April and the Annual Dinner Dance in September.

N J B McDougall (*Chairman*)
C S Harnett (*Honorary Secretary*)

CANBERRA

Membership for the year fell by only two.

The Annual General Meeting was held in February. The committee met upon five occasions during the year. Three technical papers were presented to members of this Branch. Members also attended two meetings organized by the Royal Institute of Naval Architects.

A A Townsend (*Chairman*)
R Chalmers (*Honorary Secretary*)

NEW SOUTH WALES

Ten technical meetings were arranged for the year. Four successful social events included the Dinner Dance which was held in July and the Annual Dinner in October. Guest of Honour at the latter was Mr N R Tucker, whose toast was well-received. There was a Golf Day in August and a Harbour cruise in September.

K M Murray (*Chairman*)
L J Prandolini (*Honorary Secretary*)

SOUTH AUSTRALIA

Membership totalled eighty-four, the majority of which were ex-Marine Engineers. This probably explained the average of sixteen in attendance at the meetings.

There were a number of changes of the committee during the year. Five technical meetings were held during the year and two visits were arranged. The Annual General Meeting was held in February. Branch members and guests attended the Annual Dinner at the Redlegs Clubrooms, Norwood, in November.

W Burnside (*Chairman*)
J R Bates (*Honorary Secretary*)

SYDNEY

Technical meetings were quite well attended and the papers presented were of a high standard.

The committee held a special meeting on the subject

of a new meeting place, due to change of venue from Science House, where the Branch has been meeting for over twenty years.

As anticipated, Canberra became a full Branch during the year, and the Branch Chairman attended its launching.

VICTORIA

Membership totalled 373 and represented an increase.

At the Annual General Meeting in February, the Honorary Secretary and Treasurer were re-elected unopposed. Six regular committee meetings were held and there were additional sub-committees which organized the Symposium. There were seven lecture meetings during the year. There were also two technical visits to Seaway Princess and the MMBW South Eastern Treatment Plant. The highlight of the year was the two-day Symposium, held in September at the Clunies Ross House, which was an unqualified success.

Lt W Baddams (*Chairman*)
P Bossen (*Honorary Secretary*)

WELLINGTON

Membership totalled 116 and represented a decline. The events, regular and varied, included seven, well-supported lectures. Visits by the Branch were organized to NZ Breweries, HMNZS Canturbury, Gear Meat Processing Works and USS (Nuclear) Truxton.

The Annual Social evening was held in September and attracted forty-one couples, which was over one third of the membership strength.

D E McPherson (*Chairman*)
P Walkington (*Honorary Secretary*)

WEST AUSTRALIA

Membership totalled 133, and represented a decline for the first time since the formation of the Branch. However, the average attendance at the meetings had increased by nearly eighty per cent since the previous year.

The year's programme has been well balanced. Two of the discussion meetings included visits to the Conservation and Restoration Section of the Maritime Museum and the R.A.N. Establishment at Carden Island.

The Western Australian Small Ship Symposium was an unqualified success with nearly 100 delegates in attendance.

A Dinner Dance, a function combined with the company of Master Mariners, was held at the Booragoon Hotel early in the year. The Annual Dinner Dance was held at the Riverside Hotel in October.

J Thompson (*Chairman*)
C Jagger (*Honorary Secretary*)

Canadian Division

GREAT LAKES

Five technical meetings were held during the year. The most popular was a joint SNAME-IME Symposium, attended by seventy persons, during March. The subject covered various aspects of steering nozzles.

The Annual General Meeting was held in January and

there were four committee meetings during the year.

The Annual Social Evening and Ladies Night was attended by sixty-five members and guests, at the Pillar and Post Inn, Niagara on the Lake.

E Johnson (*Chairman*)
J F Marsh (*Honorary Secretary*)

Branch Annual Reports

Overseas

COCHIN

Branch activity opened with a visit to Messrs Indian Aluminium Company and the Ogale Glass Works on the 10th April. This informative visit was patronised by fifty members. Three films were shown in June and another in November. Two successful lecture meetings were held during September and October. Remaining events included three lectures.

The Branch enjoyed an encouragingly active year and the trend should continue.

S Kasthuri (*Chairman*)
B R Parti (*Honorary Secretary*)

CORK

Membership for the Branch, had more than doubled since its formation in 1971. The Annual General Meeting was held in May, at the Moores Hotel. The committee assembled four times during the year. Six technical meetings were arranged for the year.

Seventy-eight adults and children took part in a September launch trip to Spike Island, which included picnic and sports.

J M O'Leary (*Chairman*)
J F Troy (*Honorary Secretary*)

NETHERLANDS

Membership registered with the Branch was 128. There were six technical meetings during the year. The Annual General Meeting was held during March.

The committee met monthly throughout the year at Lloyds' Register of Shipping, Rotterdam. Mr J S Robinson attended the Committee meeting in November.

G Den Bakker (*Honorary Secretary*)

PAKISTAN

Five technical meetings were held during the year. A major activity of the year was a two week course on Computer Science, which was organised in collaboration with the Pakistan Navy. 150 persons from the Navy, Air Force, Government and Industrial organizations participated.

Councils of the Institute and the Royal Institute of Naval Architects conveyed their acceptance, in principle, to the formation of Pakistan Joint Branch of the two Institutes, and an inaugural session was held in which a paper was given.

K Mumtaz (*Chairman*)
J Mansoor (*Honorary Secretary*)

