

Annual Report of the Council for 1970

INTRODUCTION

The year 1970 has seen events developing of considerable significance both for the engineering profession as a whole and the Institute in particular. These events have included:

- a) the continued evolution of the Council of Engineering Institutions and, in particular, its extending of the influence and standing of the profession as a whole which could not be provided as effectively through the institutions on their own; the Institute has played a continuing role in these C.E.I. activities;
- b) the Engineers' Registration Board approaching the point at which it may be launched;
- c) the continued and progressive activity of the Divisions and Branches of the Institute providing useful services to the members the world over;
- d) investigations into the inevitable effect of inflation on the cost of goods and services to the Institute and ways of combatting it; the difficulty of increasing the value of membership and yet at the same time trying to find means of overcoming inflation has exercised the Council considerably;
- e) great efforts by the staff, both to reduce expenditure and to improve income by increasing sales of both publications and advertising; the full effect of these endeavours together with others initiated towards the end of the year will not be felt until 1971-72.

These and other matters are referred to in more detail in the report.

PRESIDENT

Council records its special thanks to Mr. F. B. Bolton, M.C., for serving a second term of office as President.

BRANCH AND OVERSEAS ACTIVITIES

In collaboration with the Branches, Council is examining ways of assisting them in their administration. Branches have been asked to examine the time spent on certain administrative functions to see whether some of these can be carried out from London rather than from the various branch areas. With the growth in the number of Branches and also—particularly in the United Kingdom—growth in their size, it is most important that Branch committees and their officers are not overloaded administratively. During the year Council, again in consultation with the Branches, has revised the rules for operation and administration of the U.K. Branches.

The Branch reports in detail appear on pages A13-A15. Changes in officers are listed on page A6.

a) Divisions

Australia and New Zealand

The first Secretary of the Division, Mr. K. Paxton, was appointed in January. Mr. Paxton has served previously as the Honorary Secretary of the Victoria Branch for a number of years. The Divisional Office has been established at Clunies Ross House in Melbourne and is now functioning fully.

The first Annual Divisional Conference was held at Clunies Ross House on Friday, 27th November, when the Divisional Committee discussed a number of subjects including member-

ship, education, publications, formation of additional branches and discussion groups.

During the year, Mr. Paxton was able to visit all the Branches in the Division which resulted in a number of valuable discussions taking place on the Division and Branch function.

The progress of the first year of the Division has been successful and has laid the foundations for development in the years to come.

India

The report on "The Training of Marine Engineers" was referred to the Indian Government and in particular to the Union Minister of Shipping and Transport, the Ministry of Education and the Planning Commission. It has now been reported that the Indian Government has welcomed this report and has informed the Indian Divisional Office that it is its intention to implement the proposals as far as possible. This is a most satisfactory position and is a compliment to the Indian Division on having been able to carry out such an important task so successfully.

Canada

Mr. G. W. Stead, D.S.C., B.Com., B.A., LL.D., Vice-President for Canada, reported that, resulting from visits to each of the various Branches, he found there was general agreement on most topics although anxiety was expressed on some matters affecting the Canadian Division Committee. These comments have now been considered and the Division Committee will operate on the following lines:

The Committee will consist of the Vice-President for Canada and the Chairmen of Branch Committees. A nominated member of Council will be appointed as an alternate to the Vice-President for Canada. Its function will be to be responsible for advising Council on all matters affecting the Canadian Division and in particular:

- i) to make recommendations to Council on policies of the Institute as they may affect Canadian membership;
- ii) to make studies and investigations of the Canadian scene as requested by Council and to report and make recommendations to Branches and to Council as appropriate;
- iii) to liaise between Council and Canadian Government bodies, education establishments and others;
- iv) to make recommendations to the Membership Committee on applications for election by Canadian residents.

The Canadian Division has expressed anxiety at the possible incursion of C.E.I. into the learned society function as well as the emphasis on expenditure on matters such as education being limited to the United Kingdom. There was also some anxiety over some aspects of election procedure. All these matters have been noted by the Council.

A North American Division was suggested to incorporate the membership of both Canada and the United States. Whilst this idea has merit in some respects, it was agreed not to proceed, the consensus of opinion of the Division being that it would best continue to serve its membership in its present form. The two Branches in the United States could however be invited to join the activities of the Canadian Division.

b) Branches

South Africa

The South African Professional Engineers' Registration Act

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has focused attention on the need perhaps to form a South African Institute of Marine Engineers so as to meet one of the prime requirements of the Act. Much discussion has taken place on this subject. The Director and Secretary visited South Africa during June, holding discussions with the members in the areas of the three Branches, Johannesburg, Durban and Cape Town, the result of which was that a small Steering Committee representing the three Branches consisting of Commodore D. W. Robertson (Durban) in the Chair—Mr. P. F. H. Brebner (Cape Town) and Mr. A. J. Scott (Johannesburg), was formed to examine the situation. The matter is still under discussion. Throughout these discussions it has been understood clearly that the wish of the members in South Africa is to retain the link with the Institute in the United Kingdom, either personally by members, or, if possible, more formally should a separate organization be established.

Victoria

Arrangements are being made for the holding of a symposium in May 1971 entitled "The Marine Applications of Gas Turbines".

Singapore

In order to comply with local registration requirements, an additional set of rules to those for the operation of Branches were approved for the Singapore Branch.

CONSTITUTIONAL MATTERS

a) *Revised By-Laws*

It is a matter of much regret that it is not possible to report the date of implementation of the By-Laws approved at the 1969 Annual General Meeting. The Privy Council has referred the Institute's proposals to C.E.I. for comment. Council continues to exert pressure on C.E.I. to make a decision on the By-Laws as they have been under examination for an undue length of time. Council has consistently asked that any communication from C.E.I. to the Privy Council on this subject should be as a result of a corporate decision being taken by the Board of C.E.I. and should be submitted only after the Board has had an opportunity to consider the form of the reply.

b) *The Structure of the Engineering Profession*

The Council's proposals for the form of the engineering profession outlined in its paper "The Structure of the Engineering Profession", are being considered by C.E.I. in depth. The paper makes the following points:

- 1) to set up a structure suitable for the whole of the engineering profession;
- 2) to arrange for common titles of membership at least for the upper grades;
- 3) to provide designatory letters for qualified chartered engineers and technicians;
- 4) to group institutions of like nature and interest with-

out necessarily any loss of autonomy to the institution concerned.

Council has expressed anxiety that decisions taken by C.E.I. in 1965 (when the Royal Charter was granted) are deemed by some to be irrevocable notwithstanding that they may prevent the adoption of changes which would enable C.E.I. to deal effectively with problems of today which could not have been foreseen in 1965.

In addition to points 1-4 above, it will be recalled that one of the cardinal points in the proposed By-Laws was that some managerial responsibility should be extended to the non-chartered membership.

REPORT OF THE COMMITTEE OF INQUIRY INTO SHIPPING

Council commented deprecating recommendations of the Rochdale Report, particularly the recommendation that "the Extra First Class Engineers' Certificate should be discontinued as soon as it is practicable to do so." Council further agreed that should the proposed Industrial Training Board, together with the related Qualifications Board be set up, the Institute would seek representation on both in view of its unique position of being able to co-ordinate any proposal emanating from the Qualifications Board with the requirements stipulated by the proposed Engineers' Registration Board being set up under the aegis of C.E.I.

MEMBERSHIP

The changes in the membership totals are shown in the accompanying table and chart. The present membership is 19 367.

The number of new elections at 1675 is 281 higher than the figure for 1969. The number of transfers at 527 shows an increase of 133 over the 1969 figure of 394.

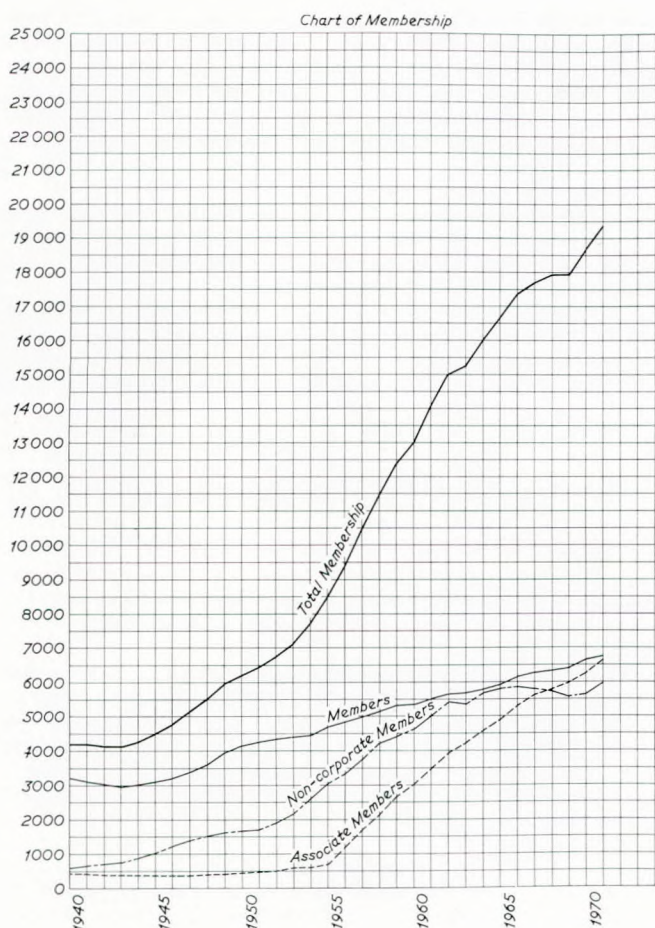
The number of those who died or resigned was 411 compared with 249 last year, but the number whose membership lapsed through non-payment of fees dropped from 629 to 344. The present membership therefore shows an overall increase of 920. The Council reports with pleasure that the elections over the year are higher than in any other year in the history of the Institute. The increase in applications must be attributed in part to the printing in the Transactions of a membership application form and also to a personal letter sent out during the year by the Chairman of Council to those Corporate members elected during the past two years inviting their active support of the Institute.

Resignations for the year are just about double those of last year, but it should be remembered that the subscriptions were raised at the beginning of the year. Comparing the total of lapsed members in the current year with the figure for 1969 is unwise because in 1969 two years non-payment of subscriptions were taken into account. This was in continuation of the

MEMBERSHIP TABLE

GRADE	Total 31st Dec. 1969	Transfer		Elected	Died	Resigned	Lapsed	Total 31st Dec. 1970	Increase or Decrease during 1970
		To	From						
Past Presidents	16							16	
Honorary Members	5							5	
Members	6634	171		243	86	89	39	6834	200 +
Associate Members	6269	222	141	440	18	41	58	6673	404 +
Companions	16				1			15	1 -
Associates	1588	16	58	175	13	57	33	1618	30 +
Graduates	1101	82	165	162	1	17	26	1136	35 +
Students	1854	36	92	409	2	56	94	2055	201 +
Probationer Students	1076		71	246	1	29	94	1127	51 +
Totals	18 559	527	527	1675	122	289	344	19 479	920 +

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Council's policy of reducing the period during which tolerance is allowed to those whose subscriptions are in default.

On this subject a further word of caution is necessary in that the effect of raising subscriptions will not become fully evident until next year when the period of grace expires for those who did not pay this year. Notwithstanding the difficulties of making an accurate comparison, it is evident that there is encouragement to be drawn from the steady increase in membership. Council is not complacent and in its forward thinking is taking into account factors which will bear upon future recruitment, namely changes in the By-Laws; inflation and the inevitable raising of subscriptions; the effect of action by other institutions and trade unions and the possible eventual impact of a state register.

LEARNED SOCIETY FUNCTION

a) *Technical Meetings in London*

During the year, twelve papers were presented and discussed at ordinary meetings of the Institute covering a wide range of subjects of interest to marine engineers. One paper was presented jointly with the Royal Institution of Naval Architects, and one in association with that Institution and the British Nuclear Energy Society. There were two informal lunch-time meetings. There were six student meetings during the year, and the Lloyd's Register of Shipping Award Lecture was held in March.

b) *Specialist Sections*

Response by members showed that there was a demand for two new Specialist Sections and therefore the Vibration Section and the Business Management Section were started.

Both sections are arranging meetings for the early autumn of 1971. Four Specialist Section meetings have been held during the year in London, one each by the Education, the Marine Electrical Engineering, the Ocean Engineering and the Materials Sections. The Ocean Engineering Section held its meeting in June at the College of Nautical Studies in Glasgow.

c) *Meetings in Branches*

A full programme of interesting meetings was arranged by the Branches. It is regretted that few of these valuable contributions are available for publication although Council accepts that the preparation of manuscripts is a time-absorbing task.

PUBLICATIONS

In the November journal it was announced that there would be changes in the publications policy of the Institute by which *Marine Engineers Journal*, erstwhile incorporated within the covers of the *Transactions*, would be separated, enlarged, and renamed *Marine Engineers Review*, being distributed monthly to members and printed on a lightweight paper. At the same time the papers read at evening meetings and the specialist sections would be published together with discussions and authors' replies under the title *Transactions* to be available in parts on demand to members without charge.

By this change, not only will it be possible to provide a better coverage on marine engineering subjects, necessary because of the ever increasing breadth of subject interest to the marine engineer, but also there will be a secondary advantage in reduction of expenditure by about £13 000 per annum. The economy results primarily from the selectivity of the distribution of the specialized information, and in this connexion the Council direct members' attention to the order forms which have appeared in *Transactions* and will henceforth appear in *Marine Engineers Review* at such a frequency that some four opportunities for the ordering of each paper will be available to members. Council acknowledges that the filling in of forms is an irritation but asks for co-operation in this respect in the interests of maintaining the quality of the service available to all but at the same time reducing distribution costs. Proceedings of conferences will be published separately as at present. Council will receive a report on the new arrangements in mid-1971, reviewing them at the end of the year.

Furthermore, increased target figures for advertising and sales of all publications have been established. Indications of attaining these targets at the present moment are encouraging.

VOTING PAPERS

A new ballot paper has been designed to assist the Scrutineers in counting the votes for Council elections. A reply-paid envelope is now provided in the hope that this will encourage a greater number of members to participate in the ballot for the Council.

The order in which the names of candidates appear on the paper is now established by ballot carried out by the Scrutineers. Previously names have appeared alphabetically.

CONFERENCES

An outline of programme of future conferences and meetings has been agreed on the following lines:

- an IMAS Conference of approximately one week's duration and a content of 40 papers in mid-1973, 1977, etc.;
- a small conference of two days' duration and about ten papers in mid-1971, 1975, etc. For the 1971 Conference the theme will be "Factors in the Selection of Marine Machinery and Plant with Particular Reference to Reliability, Maintenance and Cost";

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- c) one day symposia to be held by the Specialist Sections at frequencies of about once each year to eighteen months, excluding the years of IMAS conferences;
- d) an average of 10–12 papers to be read at ordinary meetings each session; some of these will be presented at London meetings, as at present, with some being presented in the Branches as requested;
- e) the Joint British Committee for Stress Analysis Conference in 1972 is to be arranged by the Institute.

This programme is, of course, subject to consideration by the Council at appropriate moments, with a view to incorporating any modifications that may be required by conditions at the time.

SHIPS' GEAR INTERNATIONAL MARINE EXHIBITION

The Institute, a Patron of the exhibition which was held from 13th–17th July, took a stand for the first time at the exhibition for an expenditure of some £800, against which was credited an income of about £500, being the surplus of revenue over expenditure in the publication of a special *Ships Gear Supplement*. All aspects of the Institute's activities were displayed on the stand which was commented on favourably by many who visited it. The manning of the stand was divided between Council members and members of staff, all of whom felt that the personal contact between the members, potential members and others within the industry justified in itself having a stand at the exhibition. The stand also provided a useful facility for members. Discussions with visitors ranged over the requirements for various grades of membership, changing of the By-Laws, educational problems, and many other subjects. A number of contacts were established with potential advertisers.

In conclusion it was considered that for a net expenditure of some £300, considerable benefit accrued to the Institute. Consideration of further participation in this type of activity is now taking place.

THE JOINT POLICY COMMITTEE (consisting of the Institute, the Institutions of Mechanical and Production Engineers together with the Royal Aeronautical Society and the Royal Institution of Naval Architects).

Mr. B. Hildrew, M.Sc., past Chairman of Council, was elected Chairman of the Committee in January.

The Committee has discussed a number of subjects for collaboration on specialized learned society activities such as hovercraft, automatic control, tribology, manufacture and management, environmental science and technology, and underwater engineering. The Institute has continued its responsibilities for the latter subject which has resulted in a symposium on ocean engineering being arranged jointly with the Society for Underwater Technology to take place in April 1971.

These five institutions have discussed the Institute's proposals as outlined in the paper "The Structure of the Engineering Profession" on page A2.

The Committee has given some consideration to the possibilities of economy by collaborating in certain institution headquarters' administrative functions.

FINANCE AND ACCOUNTS

In the interests of cost efficiency, Council decided to change the accounting year so that in future the accounts would be made up to 30th September each year.

Direct debiting is now in operation as a substitution for the Bankers Order method of paying subscriptions. This reduces very considerably the amount of work involved in collecting subscriptions for those who opt for this method.

The change of accounting date does not invalidate an overall comparison between the results for the year ended 31st

December 1969 and those for the nine months ended 30th September 1970, every effort having been made to allocate differing items of income and expenditure on a comparable basis. Thus, for example, the deficit for the nine months is thought fairly to reflect a proportional deficit for the year which would have resulted had the accounts been taken to 31st December.

1) *General Revenue Account*

Subscriptions credited to the nine months are equivalent to an annual sum of approximately £113 000—an increase of £23 500 over 1969, resulting from the new subscription rates which were effective from 1st January 1970.

Investment income has similarly increased as a result of both the exercise of greater control over the Institute's internal cash resources to ensure their maximum utilization and a liquid investment policy in respect of the Institute's portfolio in the face of uncertain market conditions.

Membership expenditure has maintained its proportion of the increased total annual expenditure at approximately 38 per cent. The sharp inflationary trend in the Transactions and Publications figure took full effect towards the end of the nine months.

The inflationary trend affected nearly every item of expense composing both Establishment and Administrative expenditure. Executive action against the trend has been initiated in all departments which should bear fruit in 1970/71 and beyond.

Long-term budgeting has been adopted as a major guide to the Secretariat and Council. The accounts for the period of the Report each year will form the base of the budgets for the ensuing five years. In this way not only can financial targets be set and a measure of results be derived, but the long-term objectives of the Institute can be put clearly in perspective and various means of fulfilling them examined.

2) *Memorial Building Revenue Account*

The surplus has increased from 35 per cent of income to 38 per cent due primarily to the increase in service charges upon their triennial review at 1st January 1970.

Rental income expressed as a percentage of general income has fallen from 91 per cent to 77 per cent—a trend which will undoubtedly become more marked over the next nine years.

Appropriations of £4000 and £8000 have been made respectively to Conference and Building Contingency Funds.

3) *Balance Sheet*

The Sinking Fund Policies were surrendered during the period and the proceeds reinvested in similarly dated Government stocks—the income from which will be identically invested in order to produce at maturity a far greater capital sum than would otherwise have been the case.

A Finance Study Group has been created to study ways to provide for the continuous developments of the Institute under the chairmanship of Mr. R. Cook, M.Sc., Honorary Treasurer.

The members of the Group are Mr. F. B. Bolton, M.C., Mr. B. Hildrew, Mr. J. McNaught, Mr. H. E. Upton, O.B.E.

COUNCIL OF ENGINEERING INSTITUTIONS

The Institute's financial contribution to the Council of Engineering Institutions for the year was £7063.

Membership of constituent institutions for 1969 and 1970 were:

	1969	1970
Corporate	166 515	173 929
Non-corporate	118 582	120 567
	<u>285 097</u>	<u>294 496</u>

H.R.H. The Duke of Edinburgh accepted a further term of office as President until the Autumn of 1975. On 5th November, H.R.H. presided over a meeting of the senior officers of

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C.E.I. constituent members and the Chairman, Vice-Chairman and Secretary of C.E.I.

Sir Eric Mensforth was re-elected Chairman for 1971.

1) *Engineers' Registration Board*

The Council's Royal Charter was amended during the year and within its new terms a composite register for the engineering community covering Chartered Engineers, Technician Engineers and Engineering Technicians, is being set up under the aegis of C.E.I. Consultations with many institutions and societies interested in participating in the Registration Board are taking place.

The existing provisions for Chartered Engineers remain unaltered. Technician Engineers (designated T.Eng.[C.E.I.]) and Engineering Technicians (designated Tech.[C.E.I.]) will, as individuals, be able to register through membership of an institution or society recognized for this purpose.

Council's preference for the title "Chartered Technician Engineer" propounded in its paper "The Structure of the Engineering Profession" referred to earlier was not accepted because objections were raised to the use of the prefix "Chartered" by members of non-Chartered institutions.

2) *Standing Conference for National Qualification and Title (S.C.N.Q.T.)*

The continued existence of S.C.N.Q.T. was felt to be important in providing a forum for contact amongst technician institutions or those with part technician membership, without their having to consider affiliation or any other more formal means of association with C.E.I. However, it has been decided that it be wound up as having completed its original purpose of bringing together a number of bodies to establish the basic registration requirements for non-Chartered engineers.

3) *MacRobert Award*

The 1969 MacRobert Award (£25 000 and a gold medal annually) was presented in January to Freeman, Fox and Partners, Consulting Engineers, and Rolls-Royce Ltd., Bristol Engine Division. The gold medal was awarded to each firm, the members of both firms' teams sharing the monetary award.

In December, H.R.H. Prince Philip presented the 1970 award to a team of three British Petroleum geologists who carried out the survey of the Alaskan North Slope Oil Field.

Mr. W. McClimont, B.Sc., Vice-chairman, represented the Institute on the Award Advisory Panel.

4) *Personal Services*

a) *Professional Engineers Association Ltd.*

P.E.A.L. was launched as an idea during the year. There being only 4000 applicants, it was decided not to proceed.

b) *Industrial Relations Bill*

When this Bill, now before Parliament, becomes law it will affect the vast majority of people employed at every level within the United Kingdom. As there was no one body at present that could represent and speak for the quarter of a million members on the roll of the constituent institutions, in October the C.E.I. Board set up a working party with Sir Arnold Lindley as Chairman (the Institute and the Royal Institution of Naval Architects being represented by Mr. H. E. Upton, O.B.E., Chairman). Its reference was to consider the implications for chartered engineers of the proposed legislation, to consult with members and advise both Government and institutions on the best course of action for the profession. Discussions have clearly indicated that professional engineers, many of whom are already represented by trade unions appropriate to their industry, have fears about the present structure and the extent to which it meets their needs and wish, therefore, to see that under the Act they are properly catered for in industrial relations. Meetings have been held with the Secretary of State for Employment and Productivity, Mr. Robert Carr, and the Solicitor General, Sir Geoffrey Howe, Q.C., while C.E.I. with its

federal function to represent the profession, is in contact with Parliament and Government. Discussions are also continuing with the Department of Employment and Productivity as well as other professional bodies.

5) *Other Activities*

The British National Committee for the Fédération Européenne d'Associations Nationales d'Ingénieurs (F.E.A.N.I.) with C.E.I. acting as its agent, is now able to register Chartered Engineers on the F.E.A.N.I. Register who are thus recognized in other European countries.

During the year, 481 corporate members of the Institute were issued with certificates of registration as chartered engineers and registration cards.

Sir Eric Yarrow represents the R.I.N.A. and the Institute on the newly established Committee on Parliamentary Affairs; Mr. F. B. Bolton, M.C., is his alternate.

To co-ordinate engineering interests with those of the Government, the Royal Society and the Society for Underwater Technology in this field, the British National Committee on Ocean Engineering was formed, the Institute being represented by Mr. G. C. Eddie. The Institute has offered to service the Committee but this servicing is at present being undertaken by C.E.I. on a temporary basis.

The results of the Engineering Manpower Survey, carried out in 1968 jointly by C.E.I. and the Ministry of Technology, were published.

The London Engineering Congress planned for early May was cancelled because of the small number of registrations. An extensive programme of papers included two which had been offered by the Institute.

Consideration is being given to the formulation of criteria for acceptance of additional Constituent Members to C.E.I.

C.E.I. Education and Training Statements Nos. 1 to 5, dealing with that Council's examinations and exemptions, have now been consolidated, brought up to date and published in a single booklet as Statement No. 7.

The Institute commented, through C.E.I., on a paper on the subject of expansion of universities in the quinquennium 1972-77.

Sir Henry Jones gave the 16th Graham Clark Lecture on 17th November, his subject being "Engineers in a Changing World."

In March the Institution of Gas Engineers was host to a meeting and discussion on "The Engineer in Business".

Five appointments under the C.E.I. awards scheme for senior industrial fellowships which was inaugurated in 1968, were taken up during the year. The scheme, supported by surplus funds from the 1851 Exhibition, is designed to strengthen association between industry and the universities by reciprocal research and industrial exchanges.

The following members of the Institute held office during the year on C.E.I. local committees:

Merseyside and N. Wales: Chairman, Mr. R. M. Dunshea.
Northern Ireland: Chairman, Mr. D. H. Alexander, O.B.E., F.C.G.I., M.Sc., Wh.Sc.
Scotland: Honorary Secretary, Mr. L. D. Trenchard.
Yorkshire: Vice-Chairman, Mr. E. Barnett.

HONOURS

Council congratulates the following members upon whom Her Majesty Queen Elizabeth II conferred honours during the year:

J. W. Atwell, M.Sc. (Member)—C.B.E.
R. Ibson (Member)—C.B.E.
F. Rushbrook (Associate)—C.B.E.
J. Venus (Member)—O.B.E.
R. V. B. Blackman (Member)—M.B.E.

DEATHS

Amongst those who died during the year, Mr. G. H. Garner, a Scrutineer, will be particularly remembered for his services to the Institute.

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OFFICERS

Council at its meeting on 19th May elected Mr. H. E. Upton, O.B.E., as Chairman of Council for the 1970-71 session and Mr. W. McClimont, B.Sc., as Vice-Chairman of Council.

During the year other changes in office holders were as follows:

Local Vice-President—Hong Kong

Mr. L. T. Williams appointed.

Corresponding Members

Sydney, Nova Scotia: Mr. C. G. Purvis appointed.

Grimsby: Mr. J. R. Webber appointed.

Switzerland: Dr. Ing. h.c. W. Kilchenmann appointed.

St. Johns, New Brunswick: Mr. T. W. Sanderson succeeded Mr. A. Buchan.

Japan: Mr. D. Rennie was appointed with special responsibilities to provide a link with the Hong Kong Branch.

SOCIAL EVENTS HELD IN LONDON

The following social functions have been held:

Annual Dinner at Grosvenor House on 13th March, attendance 1422.

Cocktail Party following Presidential Address at the Institute on 28th April, attendance 127.

Charity Ball at Grosvenor House on 8th May, attendance 450.

Conversazione at Grosvenor House on 4th December, attendance 916.

Conversazione at Grosvenor House on 18th December, attendance 1043.

ANNUAL COMMEMORATION SERVICE

Many members together with Members of Council and the Chairman were present at the Annual Service held at the Church of St. Olave's, Hart Street, London E.C.3., conducted by the Reverend L. E. M. Claxton, M.A., M.C., A.R.C.M. on 11th November, and the Lesson was read by the President.

REMEMBRANCE DAY

Mr. W. McClimont, B.Sc., representing the Institute, laid a wreath at the Merchant Navy Memorial, Tower Hill, London E.C.3. Mr. J. McAfee represented the Institute at the Remembrance Service at Westminster Abbey.

INSTITUTE GRANTS FOR EDUCATIONAL PURPOSES

During the year 27 students taking the Marine Engineering Degree courses at the Universities of Newcastle and Surrey, and three undergoing Extra First Class Certificate courses at the technical colleges at Poplar and South Shields, were in receipt of Institute grants, and at the end of the year, 18 university students and 10 members taking Extra First Class Certificate courses were under consideration for Institute grants.

INSTITUTE AWARDS

The Gold and Silver Medals and the Herbert Ackroyd Stuart Awards for 1969 were held over so that the large number of papers presented during IMAS could be considered. The final decision for 1969 was:

Denny Gold Medal: Professor I. K. E. Jung (M.I.Mar.E.), for his paper, "Steam Turbine Machinery".

Institute Silver Medal: Mr. R. Fleeting, B.Sc., and Mr. R. Coats (M.I.Mar.E.) for their paper, "Blade Failures in the H.P. Turbines of R.M.S. *Queen Elizabeth 2* and their Rectification".

Herbert Ackroyd Stuart Award: Professor A. Sarsten, M.Sc. (M.I.Mar.E.), Siv. Ing. O. M. Martens (M.I.Mar.E.), Mr. A. Hansen and Mr. M. Langballe (M.I.Mar.E.), for their paper "Thermal Loading and Operating Conditions for Large Marine Diesel Engines".

The major awards made during 1970 were:

Denny Gold Medal: Captain W. S. C. Jenks, O.B.E., R.N., C.Eng., (Vice-President) for his paper, "Some Factors in the Design of Cellular Container Ships with Particular Reference to Refrigerated Cargo", read before the Institute on 6 October 1970.

Institute Silver Medal: Dipl. Ing. D. Ulken for his paper, "N.S. Otto Hahn", read before the Institute on 13 October 1970.

Percy Jackson Diesel Engine Prize, 1969/70: B. Taylor, B.Sc., C.Eng., M.I.Mar.E., for his paper, "Development of the Doxford J-type Engine", read during the Imas '69 Conference.

Extra First Class Engineers Certificate Examination—Institute Award

The Institute Silver Medal for the candidate obtaining the highest marks in the Board of Trade's examinations in 1970 has been awarded, on the recommendation of the Chief Examiner of Engineers, to A. A. Hasnat.

The *W. W. Marriner Memorial Prize* for the best engineering knowledge script written by a candidate in the Board of Trade's examinations for the Second Class Engineers Certificate of Competency has been awarded, on the recommendation of the Chief Examiner of Engineers, to T. Ruxton.

Extra First Class Certificate Essay Award

The award of £25 for the best essay submitted by an Extra First Class Certificate candidate has been made to S. T. Coates, C.Eng., A.M.I.Mar.E.

William Theodore Barker Award

No candidates were able to accept this award of £100 which is available to marine engineers obtaining the highest marks in the First Class Certificate examination if they wish to take the Extra First Class Certificate course.

Schooner "Sir Winston Churchill"

Mr. R. J. Linacre and Mr. A. M. Sinclair were nominated to fill the berths allotted to the Institute for cruises in the schooner.

JUNIOR SECTION COMMITTEE

The Committee continued to meet during the year and examined in particular the position of the Students and Probationer Students.

HONORARY LIFE MEMBERSHIP

Honorary Life Membership was awarded to the following who have been members since 1920:

Messrs. J. T. Bailey, D. Cochrane, G. R. Hutchinson, W. Kimber, T. W. Longmuir, A. W. Loveridge, B.Sc., C. A. Marriot, R. H. Miller, M.B.E., W. L. Nelson, O.B.E., A. T. Nickson, R. Nisbet, D. W. Ogg, G. Ormiston, C.B.E., D. G. F. Ralston, T. D. Shilston, R. Sinclair, S. P. Smith, O.B.E., J. H. Thom, J. R. C. Welch.

Memorial Plaque to Lord Kelvin

Council made a contribution of £25 towards the erection of a memorial plaque to Lord Kelvin, Past President, on the wall of his former home at Largs, Ayrshire. The President represented the Institute on the occasion of its unveiling.

H. E. UPTON (*Chairman of Council*)

J. STUART ROBINSON (*Director and Secretary*)

THE MEMORIAL BUILDING REVENUE ACCOUNT

Year ended					
31.12.69					
£	£	£	£	£	£
Standing Charges					
10,000		Ground Rent	7,500		
6,262		General Rates	5,199		
461		Water Rates	391		
1,940		Insurance	1,579		
<u>18,663</u>			<u>14,669</u>		
Administration and Services					
12,251		Salaries and Wages	9,214		
2,660		Electricity and Gas	1,807		
2,010		Oil	1,288		
5,000		Repairs Equalization Appropriation (Note 3) ..	3,750		
3,718		Cleaning	2,967		
740		Audit and Professional Fees	375		
647		Sundries	330		
<u>27,026</u>			<u>19,731</u>		
14,318		Mortgage Interest	10,122		
33,451		Surplus for the 9 months carried down	28,294		
<u>£93,458</u>			<u>£72,816</u>		
Appropriations					
15,000		Capital Account	15,000		
1,000		The Memorial Building Redemption Fund	1,000		
8,000		Conference Fund	4,000		
8,000		Development Fund	—		
5,000		Building Contingency Fund	8,000		
<u>37,000</u>			<u>28,000</u>		
15,728		Balance at 30th September, 1970 carried forward ..	16,022		
<u>£52,728</u>			<u>£44,022</u>		

9 MONTHS ENDED 30th SEPTEMBER, 1970

Year ended					
31.12.69					
£	£	£	£	£	£
77,868		Rents Receivable	58,278		
13,526		Service Charges	12,988		
<u>91,394</u>			<u>71,266</u>		
2,064		Garage Rents	1,550		
<u>£93,458</u>			<u>£72,816</u>		
19,277		Balance at 31st December, 1969 brought forward ..	15,728		
33,451		Surplus for the 9 months brought down	28,294		
<u>£52,728</u>			<u>£44,022</u>		

NOTES ON ACCOUNTS

1. CAPITAL FUND

	£	£
Balance at 31st December, 1969		443,342
Add: Appropriation from Memorial Building Revenue Account	15,000	
Amount realised on surrender of Sinking Fund Policies (Note 5)	5,597	
Interest on Capital Fund Investments (Note 5)	229	
	15,826	443,342
		£464,168

2. LOAN CAPITAL

The amount outstanding represents mortgages with the Church Commissioners secured upon the Memorial Building and repayable by annual instalments of £15,000.

3. REVENUE RESERVE FUND

	Balance 31.12.69	Appropriations from Revenue Accounts		Expenditure during the 9 months	Balance 30.9.70
	£	General	Memorial Building	£	£
Staff Fund	3,236	—	—	619	2,617
Repairs Equalisation Accounts:					
Institute Premises	330	1,875	—	947	1,258
Memorial Building	1,006	—	3,750	3,650	1,106
Building Contingency Fund	12,433	—	8,000	—	20,433
Conference Fund	4,342	—	4,000	—	8,342
Year Book Expenses	1,863	—	—	—	1,863
Development Fund	15,953	—	—	5,906	10,047
Education Fund	43,766	—	—	3,433	40,333
	£82,929	£1,875	£15,750	£14,555	£85,999

4. AWARDS AND PRIZE FUNDS

	Capital Accounts	Income Accounts		Balances	Balances
	£	Balances 31.12.69	Income Awards	£	£
General					
Akroyd Stuart Award	700	351	16	—	367
W. W. Marriner Prize	230	60	14	5	69
Denny Gold Medal	735	174	40	—	214
Extra First Class Certificate Award	436	11	23	—	34
Frank Roberts Award	221	34	13	7	40
Diesel Engine Prizes	1,398	38	98	10	126
Administered as Trustees					
William Theodore Barker Award	3,000	670	178	—	848
	£6,720	£1,338	£382	£22	£1,698

NOTES ON ACCOUNTS

5. INVESTMENTS

A) Capital Fund (Note 1)

		£
Investments—British Government Securities		5,500
Cash held for investment		326
Book Cost		£5,826
Market Value (including cash held for investment)		£5,439

The Sinking Fund Policies previously included in the assets of the Institute at nil value were surrendered during the Period and the proceeds invested in British Government Securities of similar final redemption date. It is intended that income from such investments shall be similarly invested.

B) General Fund

At date the Portfolio was composed as follows:

	1969	1970
	£	£
British Government Securities	75,811	72,862
British Equities	56,102	42,818
American Equities	25,677	20,595
	<u>157,590</u>	<u>136,275</u>
Cash held for investment	6,000	23,176
Book Cost	£163,590	£159,451
Market Value (including cash held for investment)	£174,799	£161,384

Movement on the Portfolio during the 9 months was as follows:

	<i>Purchases at Cost</i>	<i>Sales</i>	
	£	Cost £	Proceeds £
British Government Securities	26,667	29,616	27,779
British Equities	—	13,284	14,507
American Equities	3,276	8,358	5,689
	<u>£29,943</u>	<u>£51,258</u>	<u>£47,975</u>
		(net loss on sales £3,283)	

Investment income for the 9 months was derived from the following sources:

	1969	1970
	£	£
Invested Funds	8,205	5,315
Temporary Investment of Working Cash Balances	1,499	2,385
	<u>£9,704</u>	<u>£7,700</u>

6. CURRENT ASSETS

	1969	1970
	£	£
Stocks at Cost, less provisions for possible depreciation	18,310	16,485
Debtors and Prepayments, less provisions for doubtful debts	20,781	32,294
Subscriptions Received between date and 31st December, 1970 in respect of 1970 and earlier years	—	8,792
Cash, Current Bank Accounts and Short Term Deposits	21,919	36,107
	<u>£61,010</u>	<u>£93,678</u>

7. CURRENT LIABILITIES

	1969	1970
	£	£
Sundry Creditors and Accrued Charges	29,394	44,392
Mortgage Interest	5,422	1,725
Income Tax Payable less Reclaimable	7,866	2,990
Unexpired portion of Subscriptions received or receivable	2,154	26,768
	<u>£44,836</u>	<u>£75,875</u>

NOTES ON ACCOUNTS

8. AWARDS AND PRIZE FUNDS

	1969	1970
	£	£
Investments—British Government Securities (Market Value £4,478)	6,718	6,718
Cash	1,340	1,700
	£8,058	£8,418

9. SUBSCRIPTIONS

	1969	1970
	£	£
Members	37,033	34,146
Associate Members	35,602	34,327
Associates	9,041	8,933
Graduates	4,433	4,331
Students	2,801	3,005
Probationer Students	457	581
Companions	143	91
	£89,510	£85,414

10. TRANSACTIONS AND OTHER PUBLICATIONS

	1969		1970	
	£	£	£	£
Transactions				
Composition, Printing, Paper, etc.	30,102		25,724	
Salaries, Reporting and Abstracting	13,887		12,209	
Wrapping and Postage	11,387		10,611	
		55,376		48,544
<i>Less: Advertising Revenue</i>	<i>29,269</i>		<i>25,827</i>	
Sales	6,651		5,065	
		35,920		30,892
		19,456		17,652
(The above incorporates all supplements, together with the costs of the new Overseas Marine Engineers Review for 5 months.)				
Specialist Section Proceedings				
Net Cost		768		1,205
General Publications				
Gross Surplus on Distribution		(905)		(785)
		£19,319		£18,072

11. BASES OF VALUATION

- A) Investments—Market value is calculated at middle market price except that in the case of American Equities an adjustment is made for the dollar premium less 25% thereof sufferable on future sales under Treasury regulations.
- B) Overseas Bank Balances—Conversions have been made at the official rates of exchange.

Annual Reports of the Branches

Home

KINGSTON UPON HULL AND HUMBER AREA

Membership of the Branch is at present 441 members of all grades.

Papers were read by visiting lecturers at five senior meetings, covering a varied and topical programme. The average attendance at these meetings was 16 visitors and 22 members.

A junior lecture on the subject of fire-fighting equipment attracted a near-record attendance of 139, of which 24 were members.

The two social events held during the year were very successful. The Annual Dinner Dance at the Royal Station Hotel in March was attended by 230 members and guests. At the Annual Dinner at the Guildhall in November were Mr. H. E. Upton, O.B.E., Chairman of Council, and Mr. D. F. Martin-Jenkins, the Chairman of Ellerman Lines. The dinner was attended by 230 members and guests. The Committee is grateful to those members and others who contributed tombola prizes which ensured the financial success of the function.

During the year three visits were arranged. A successful summer evening visit was made by members and lady guests to the works of Smith and Nephew, Hull. In September a party of fourteen visited the Doncaster works of British Ropes Ltd., who provided a film show and a conducted tour. A party of sixteen travelled to Bradford in November to attend the C.E.I. Yorkshire Committee's annual lecture on the subject of the "Lancashire/Yorkshire Motorway".

As a result of suggestions made by the Committee and through the good offices of Mr. E. Barnett, Chairman, in his capacity as Head of the Marine Engineering Department at the College of Technology, and his staff, a number of short courses on the use of the S.I. System of Units and its various implications on the marine engineer and his practice have been run and attended by members.

At the conclusion of the junior lecture in October various awards to students were presented by Mr. R. L. Rawlings, Vice-President: National Certificate and Diploma Course Awards to R. J. Carey, T. Callingwoods and C. N. Whitton; Institute of Marine Engineers F. C. M. Heath Memorial Prize to J. Sigguroson who was also recipient of the prize in 1969.

A special prize was awarded by the Committee, for excellent and consistent work, to K. A. Duckles.

All awards were book tokens of various amounts.

The Committee has nominated Mr. C. N. Whitton for the Lloyd's Register of Shipping Award 1971.

No nomination has been made for the Institute berth in S.T.C. *Sir Winston Churchill*.

The Committee approved the donation of £25 from the Branch Social Fund to the Guild of Benevolent Fund.

Mr. E. Barnett has continued to serve as representative of the Guild of Benevolence and also to represent the Branch on the C.E.I. Yorkshire Committee; being re-elected Vice-Chairman.

Mr. R. L. Rawlings has continued to serve as Branch representative on the Education Committee at the Grimsby College of Technology.

Mr. G. A. Skelton, M.B.E., has served as a representative on a committee in connexion with the Mechanical Engineering Department at the College of Technology.

The Council of the Institute approved the nomination by the Committee of Mr. J. R. Webber as Corresponding Member for the Grimsby and South Humberside area.

The Committee proposed that a one-day technical meeting should be held in Hull in May 1972 to mark the Branch's 21st year, which runs from September 1971 to September 1972. The meeting will be divided into morning and afternoon sessions and papers will be presented at each session on a single topic. The Institute Papers and Transactions Committee are presently considering suitable papers and authors with the following alternative subjects in mind:

Container and Roll-on Roll-off Shipping Services,
Oil Rig Terminal Services,
Fishing Vessels.

A sub-committee has been formed to finalize the date, venue and luncheon arrangements, etc.

The Chairman and Assistant Honorary Secretary attended a meeting of Chairmen and Secretaries of C.E.I. constituent members which discussed the possibilities of co-operation in arranging joint events and lecture programmes to avoid clashes of dates and meetings.

The Committee has been giving consideration to the encouragement of student member activities and the possible formation of a Student Committee to arrange such activities.

E. Barnett (*Chairman*)

J. D. Fraser (*Assistant Honorary Secretary*)

NORTH EAST COAST

Branch membership, of all grades, for the year totalled 1243 members

Ten senior and junior technical meetings took place during the year at Newcastle and at South Shields and a visit was arranged to the Chapelcross nuclear power station. A visit to H.M.S. *Tartar* was well attended. The Annual General Meeting of the Branch was held on 19 March in Newcastle.

The Annual Dinner Dance, on 27 February, was held in the Gosforth Park Hotel, Newcastle, there were also two golf meetings, the Spring Meeting, at Alnmouth Golf Club, Alnwick, on 14 May, and the Autumn Meeting, at the Ponteland Golf Club, on 1 October.

Several meetings of the C.E.I. Northern Committee were held, the Branch being represented by Mr. T. Matthews, Honorary Secretary. The Junior Section was very active and arranged several interesting lectures, thanks being due to Mr. R. J. Whyte and the South Shields Marine and Technical College for their services and the use of the lecture hall.

The Chairman and Committee expressed their appreciation of Mr. A. E. Dean, Honorary Social Secretary, who has retired this year for business reasons and extended their thanks to Mr. W. A. Jones, of the University of Newcastle upon Tyne, for devoting time to meeting and entertaining visiting authors, also to the University for the use of the lecture theatre and committee room, also arranged by Mr. Jones. The Committee thanked the Honorary Treasurer, Mr. A. E. Stokoe, for his services during the year, and also all authors and others who contributed to the programme.

E. P. Crowdy (*Chairman*)

T. Matthews (*Honorary Secretary*)

Annual Report of the Council for 1970

NORTHERN IRELAND

Branch membership through the year under review showed an increase of three from 230 to 233.

Various committee meetings were held during which the business and activities of the Branch were considered. In addition, the Branch was represented on the local C.E.I. Committee by Mr. J. Sloan, B.Sc., Chairman of the Branch Committee.

Four technical lectures were held during the year at the Belfast College of Technology, Millfield Building.

The annual golf outing was held at Bangor on Monday, 14 September and members of the Branch joined with the Harland and Wolff Management Golfing Society for the competition. Members of the Branch competed for the Firth Brown Cup which was won for the second successive year by Mr. J. Renwick.

Mr. W. G. Emerson was nominated for the Lloyd's Register of Shipping Award and has been provisionally accepted.

J. Sloan (*Chairman*)

S. K. Reid (*Honorary Secretary*)

SCOTTISH

The total membership of the Branch has continued to expand and now stands at 1770, an increase of 60 during 1970. Eight senior meetings were held in Glasgow at which the average attendance was 59.

A joint meeting, held with the Aberdeen Mechanical Society in Aberdeen on 27 February, was very well attended.

The Central Hotel, Glasgow, was the venue for the Annual Dinner, held on Friday, 20 February, and the Annual Dinner and Dance, held on 19 December. Both functions were very successful.

The Spring Golf Meeting was held at Whitecraigs Golf Club on 5 May when 30 members and visitors competed for the "Shell Salver" and the "Anchor Trophy". The former was won by Mr. G. Laing and the latter by Mr. K. Maddocks. On 10 September the Autumn Golf Meeting took place at Buchanan Castle Golf Club, 36 members and visitors competing for the "Beattie Rose Bowl" which was won by Mr. F. Mackerron.

The Committee have expressed their thanks to the Chairman, Mr. J. Herd, to the authors of papers, and to those others who have contributed to the work of the Branch during the year.

J. R. Herd (*Chairman*)

L. D. Trenchard (*Honorary Secretary*)

SOUTH EAST ENGLAND

Total membership of the Branch has not substantially altered during the year, being about 920.

In March, Mr. H. J. Alexander, Chairman of the Branch for the previous two years, relinquished the office, the chairmanship being accepted by Mr. A. Beavan. During the year the Branch has held eight senior meetings, two being held in Dover, also three junior meetings, one of which was held in Dover. This is not quite as good as the previous year as there were many changes in the junior and education committee. Attendances at senior meetings were approximately the same as the previous year, averaging 37. The junior meetings had better attendances and, because of this, it is felt the Branch should endeavour to encourage the enthusiasm shown by Students in the area. During 1970 the junior and education committee has been under the chairmanship of Mr. E. A. Aldington and has been extremely active.

It is recorded with regret that among those Committee members due to retire is Mr. F. S. Gander, who has been an enthusiastic member of the junior and education committee. It is regretfully recorded that, due to personal commitments, Mr. R. Brown is unable to continue as Honorary Treasurer; the Branch will miss his guidance.

The Branch has again this year had joint meetings with other institutes which have branches in the area. These are

the Institute of Measurement and Control, and the Institute of Petroleum, also there was a meeting jointly with the Institutions of Plant Engineers and Mechanical Engineers. All the joint meetings were well attended and seem very popular. Once again the Branch has endeavoured not to use papers read at Mark Lane, due to the proximity of the two venues. It is interesting to record that, as a result of lectures given to the Branch, interest has been aroused in Germany and Spain, and the Branch has been asked for further information about the subjects discussed.

The social functions attracted good attendances, especially the Dinner Dance, held in November, at the Corn Exchange, Rochester. Some 320 members and guests were present and the Branch was especially pleased to welcome the President, Mr. M. A. Sinclair Scott, C.B.E., and Mrs. Scott, also the Director and Secretary, Mr. J. Stuart Robinson, M.A., and Mrs. Robinson.

In July the Cheese and Wine Party was held on board H.M.S. *Worcester*, anchored in the Thames at Greenhythe, when over 100 members and their guests attended.

Difficulty has been experienced in arranging a suitable social and technical visit and the Branch has had to forego this popular event. It would appear that with the five-day working week, industrial concerns are reluctant to open their premises to a party on a Saturday, which at present seems to be the only suitable day. However, early in December, a Small Propeller Symposium was held at the Stone Manganese Marine works at Greenwich, followed by an excellent buffet supper. This event was extremely well organized by the company and was very well attended.

H. J. Alexander (*Chairman*)

F. C. Bown (*Honorary Secretary*)

SOUTHERN JOINT BRANCH, R.I.N.A and I.M.A.R.E.

The high attendances at meetings and the interesting discussions which usually follow the papers indicate that the Branch is choosing subjects and authors that have a wide appeal to its membership. Occasionally papers are repeats of those read before the parent societies in London. Although these papers are very useful, in the 1970 programme all the papers were originals, and of the five read, two were by local members.

In arranging visits, the Branch has not been so successful, but the Technical Committee is arranging two for the coming session, one of which is intended to be more of a social occasion.

The Branch is arranging a Small Craft Symposium to be held at Southampton University in September, 1971. The accent will be on power boats and will include racing and pleasure boats, motor yachts, life boats, patrol boats, inflatables, etc, and the materials and equipment for them. This symposium will be under the auspices of the Royal Institution of Naval Architects. The Branch is also taking part in the International Hovercraft Conference to be held in Southampton in April, 1971. This is a subject of considerable interest to all in the southern area, and it is fitting that this important conference should be held here.

The Branch area holds one of the most active local Council of Engineering Institutions organizations in the country. The annual C.E.I. lectures held do much to improve the image of the professional engineer and something to attract students into the profession.

During this year Mr. W. F. Ward retired from the Presidency of the Branch and it is very fortunate that Mr. John Rix has accepted this office. He has been a member of the Branch since its inception.

The Annual Ball, held at the Skyway Hotel, Southampton, brought together members and their ladies and guests for a very enjoyable occasion. The Committee regrets that it again has to apologize to those members who were unable to obtain tickets.

About 150 members and guests attended the Branch Annual Dinner at Southsea, when the principal guest was Admiral Sir Horace Law, K.C.B.

Annual Report of the Council for 1970

WEST OF ENGLAND

The membership of the Branch has dropped from 385 to 379 during 1970.

Including joint papers with the Institution of Electrical Engineers and the Royal Institution of Naval Architects a programme of eight lectures has been carried out. Attendances have again declined to an average of 16 to 20, though reasonable numbers are present at joint papers.

Branch Junior Membership remains fairly steady, but, attendances at lectures are poor.

The Annual Dinner and Dance in November was successful, though the numbers present were greatly reduced. The Branch Committee has decided not to hold this function in its present form in future, but is considering some kind of alternative.

The engineering visit this year, to R.M.S. *Queen Elizabeth 2*, was greatly enjoyed by all present. Cunard, unfortunately, had to limit the numbers to 65 although there were 140 applications for this visit.

Over the year it appears that even though the Branch numbers remain reasonably stable, attendances at lectures are gradually declining. This is a matter of great concern to the Committee, who would appreciate any suggestion to make the programme more attractive.

Thanks are offered to the Chairman, Mr. W. H. Sampson, to the Lecturers and to all others who have contributed to the wellbeing of the Branch.

W. H. Sampson (*Chairman*)
A. Myatt (*Honorary Secretary*)

Overseas

CHRISTCHURCH (SOUTH ISLAND)

1970 was a very busy and successful year for the South Island Branch with a total of nine general meetings and 12 committee meetings. All meetings were well attended and the technical visits and papers proved to be interesting and informative.

After the Annual General Meeting, held on 5 February 1970, the activities for the year commenced during March with a technical visit to the RO/RO vessel *Maheno*, berthed at Lyttelton. Mr. Kerr Paxton, Secretary of the Australia N.Z. Division of the Institute arrived in Christchurch on 22 May and a General Meeting was held with him at the Clarendon Hotel Regal Room. On 23 May a general meeting was held at the Leviathon Hotel, Dunedin, and this meeting concluded Mr. Paxton's tour of all New Zealand Branches. Nelson members had their first general meeting on 11 July.

To conclude the events for the year a Dinner and Dance was held on 19 November at the Shoreline Country Club.

The Branch Chairman, Mr. E. R. Musson, represented this Branch at the First Australia/New Zealand Conference held in Melbourne on 27 November 1970 and presented a report on the Conference at the 1971 Annual General Meeting.

During the year reports of the Branch meetings have been sent to London for publication in *Overseas Marine Engineers Journal* and advertisements for the Journal have been submitted by local engineering companies. Other engineering firms have indicated their intention to advertise during 1971.

All Christchurch meetings have been held at the Shell Company, St. Elmo Courts, Hereford Street, and once more thanks are extended for the use of the premises.

Membership of the Branch increased from 63 to 70 members with only one member transferring to the North Island this year.

The steady progress of the South Island Branch is due to the keen interest shown by members and there is no doubt that this progress will continue during 1971.

E. R. Musson (*Chairman*)
B. T. Carr (*Honorary Secretary*)

DUBLIN

During the year, the Committee was very active on behalf of the Branch and altogether seven technical papers were read in Dublin. One of these, on "Marine Propulsion Plant", was also read at the Crawford Municipal Technical Institution, in Cork, which conducts a course for Merchant Navy Cadet Engineers.

Attendances at meetings were very satisfactory during the early part of 1970, but there was a noticeable fall-off in the later months. It is hoped that members will actively support the Branch during 1971.

N. J. Healy (*Chairman*)
T. A. Kiernan (*Honorary Secretary*)

DURBAN

The Branch has had a successful and interesting year. During the technical session four papers were read at Branch meetings, one of which was a joint meeting with the South African Institute of Marine Engineers. Mr. B. Hildrew, M.Sc., Member of Council, from London, also read a paper to the Branch.

The Director and Secretary of the Institute, Mr. J. Stuart Robinson, M.A., visited the Branch on 18 June, and was present at the quarterly luncheon. In the afternoon he attended a Committee meeting and in the evening he addressed a general meeting on the formation of a South African Institute of Marine Engineers. Also in this connexion, Mr. Robinson attended a joint meeting of the Durban, Cape Town and Johannesburg Branches, Durban being represented by Commodore D. W. Robertson, B.Sc., S.A.N. (retd.).

The Annual Dinner was again an outstanding success and the popular Branch quarterly luncheons were well attended.

The Chairman's sincere thanks have been offered to the Committee for its year's hard work, particularly Mr. C. E. F. Lanier, Honorary Secretary, and Mr. L. Brown, Honorary Treasurer, and to others who have contributed their efforts. He has also expressed his appreciation of the work done by Commodore Robertson concerning the possible formation of a South African Institute of Marine Engineers.

P. Balfour (*Chairman*)
C. E. F. Lanier (*Honorary Secretary*)

JOINT MALTA BRANCH, R.I.N.A. AND I.M.A.R.E.

During the year five technical meetings were held and, as in the previous year, attendances were encouraging.

A Ladies' Social Evening was held on Saturday, 11 April, at which the guest of honour was Mr. Lawrence Sullivan, President of the Malta Shipping Agents' Association.

L. P. Smith (*Chairman*)
J. P. Abela (*Honorary Secretary*)

Those Branch annual reports which, due to the recent postal strike, have not been received at the time of going to press, will be published in a later issue of Marine Engineers Review.

Representatives' Reports

City and Guilds of London Institute: Advisory Committee on Shipbuilding, Ship Joinery, Yacht and Boat Building

Representative: P. R. Howard, B.Sc., C.Eng.

There has been considerable discussion on the problems of "fitting in" the Shipbuilding Industry Training Board recommendations with these City and Guilds courses; there may, as a result, be changes in the syllabuses.

Subjects No. 183 (Ship Joinery) and 184 (Yacht and Boat Building) have been revised by the Committee and submitted for approval to the City and Guilds Committee for Technical Education.

It is hoped that it will be possible to devise a scheme whereby Ship Building Craft Studies, Part III, will have one paper set by the College and one paper set by City and Guilds.

City of Plymouth College of Technology: Advisory Committee for Civil and Mechanical Engineering

Representative: Cdr. W. Farrell, M.B.E., R.N., C.Eng.

In September and October 1969 the Department commenced new four-year C.N.A.A. Sandwich Degree Courses in Civil and Mechanical Engineering.

The Civil Degree (Ordinary) is of the 2-1-1 variety, whilst the Mechanical Degree consists of a common first year followed by Honours and Ordinary Courses, each of the thin sandwich type. The enrolment consisted of 24 civil and 23 mechanical students and the London External Degrees are consequently being phased out after successful operation for over 40 years.

From 1 January 1970 the former College of Technology divided into two portions. The Plymouth Polytechnic is now concerned with post-graduate and degree courses as well as Higher National Diplomas and Certificates, whilst the Plymouth College of Further Education deals with craft and technician courses up to Ordinary National Diploma and Certificate standard.

It was decided to remodel the Advisory Committee into a membership more appropriate to the Polytechnic Department and some new members have been invited to join. One Committee member, Mr. J. G. Gwatkin, representing the Institution of Mechanical Engineers, was elected a member of the Polytechnic governing body.

Successful negotiations with the Ministry of Technology (as then known) resulted in further financial support towards the staffing and operation of the Low Cost Automation Centre which serves the interests of the South West Region.

The staff of the department have commenced planning the outlines of four new C.N.A.A. degree courses:

- an Honours Course in civil engineering,
- Honours and Ordinary Degrees in ocean engineering,
- an Ordinary Degree in production engineering.

The successful development of Sandwich Degree Courses in ocean engineering will present a considerable challenge, but this is undoubtedly a field in which serious and co-ordinated effort is urgently necessary. Plymouth, with its wide-ranging facilities and natural environment, is well placed to make a positive contribution.

Committee on Regulations for the Electrical and Electronic Equipment of Ships

Representative: R. E. R. Crick, C.Eng.

The Committee has held three meetings during the last twelve months. The business during this period has been the progress of the Revision of the 1961 Edition of the Rules.

Court of the Cranfield Institute of Technology

Representative: Rear-Admiral H. G. H. Tracy, C.B., D.S.C., C.Eng.

The annual meeting was held on 27 November 1970.

The Cranfield Institute of Technology, formerly the Cranfield College of Aeronautics, received a Royal Charter in December 1969, conferring the power to award higher degrees in the subjects dealt with, viz. Engineering, Science, Technology and Management, and also establishing the Court of the Institute as its governing body. The Institute was formally inaugurated on 8 May 1970 and this was the first meeting of Court thereafter.

Members of Court had the opportunity to tour departments beforehand and to see something of the current activities for themselves. The range and standard of work was most impressive. In addition to aeronautical subjects, electrical and control engineering, production engineering, precision engineering, materials handling and computing, as well as management, are among the subjects that may be studied.

The Chancellor, Lord Kings Norton, presided over the meeting in a way that encouraged constructive debate. After introductory items, Court approved the Annual Report for 1969-70, which recorded the appointment of Professor A. H. Chilver to succeed Professor Murphy as Vice-Chancellor, as well as the events recorded above and other matters. The report of the Academic Advisory Committee was then presented by Lord Caldecote, its chairman. The detailed recommendations included that of requiring 2-3 years' practical experience as well as a university degree or equivalent as a qualification for admission to the higher degree courses. The report was approved after a short debate.

The Vice-Chancellor then gave his report. Among other matters of interest, he gave current student numbers on higher degree courses as 397 and said that about 2400 students were expected to attend short courses during the 1970-71 session. Court then debated a number of matters leading from the report, among which may be mentioned praise and encouragement for the work of the Management School and discussion of the possibility of establishing commercial research organizations on the campus, with mutually beneficial results.

After approving formal ordinances for the conduct of the Institute, the meeting was closed by the Chancellor.

Grimsby College of Further Education: Engineering Advisory Committee

Representative: R. L. Rawlings, C.Eng.

The usual terminal committee meetings have been held and, in reviewing examination results, also Head of Engineering Department detailed reports, it is obvious that the continued

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trend of high standard, above average examination successes, particularly external examinations, are likely to begin to show a decline when viewed in the light of the slow moving, forward building extensions programme, reported last year and since re-phased to the detriment of College development as a whole and the Engineering Department in particular.

This situation is aggravated when considering the need for new specialist courses appropriate to the current large scale industrial and associated marine developments on the south bank of the Humber and offshore.

The governing body are vividly aware of the Engineering Advisory Committee's concern in this matter.

Institute of Petroleum : Crosshead Engine Panel

Representative : J. Calderwood, M.Sc., C.Eng.

At the end of 1969 the Crosshead Engine Sub-Panel and the Trunk Piston Engine Sub-Panel were combined due to the large number of mutual interests. At the moment the projects of interest to marine engineers which are being submitted are :

- a) a laboratory test engine for lubricating oils for trunk piston engines running on heavy fuel; four laboratories are taking part in this and progress is very satisfactory although considerable work may be necessary before the official test procedures can be agreed;
- b) a laboratory test procedure for other highly detergent oils is being carried out partly in this country and partly in France; this is intended to replace the existing Caterpillar 1G test, which is very expensive, and a pressure charged Petter engine is being used; results so far are quite promising;
- c) the Institute of Petroleum Sub-Panel suggested some time ago a laboratory engine test for cylinder oils was desirable; this was taken up by the C.E.C. European Oil Committee and the work has been allocated to Holland; so far little progress has been made.

International Institute of Refrigeration: Standing Committee

Representative : K. C. Hales, C.Eng.

The Committee met once in 1970. The points discussed were the problem of organization and of financing sectional meetings between the four yearly Congress, the interrelation between the International Institute and I.S.O., in particular the problem of establishing a code of practice for liquefied gases. The appointment of a new Director for I.I.R., from August 1971, was considered in relation to official support from Great Britain.

Joint British Committee for Stress Analysis

Representative : B. Hildrew, M.Sc., C.Eng.

The major conference organized in the past year was the Fourth International Conference on Stress Analysis, held in Cambridge in April. Forty-two technical papers were presented and the attendance of over 300 included a high percentage of overseas visitors.

Other meetings were "Sub-Surface Stresses" held at Coventry in November and "Failure Diagnosis" and "Stress Analysis in Anisotropic Materials", both held at the Physical Society in London.

The sales of the *Journal of Stress Analysis* continue to increase but, due to the growth in printing costs, it was found necessary to increase the subscription rates.

The call for papers has gone out for a Conference on the Recording and Interpretation of Engineering Measurement, to be held at the Institute of Marine Engineers in April, 1972. Response to date suggests that the quality of paper being submitted should make this a most attractive conference.

Joint Committee for Ordinary National Certificates and Diplomas

Representative : Dr. J. Cowley, C.Eng.

The Institute was represented at all meetings of the main committee and on syllabus sub-committees for the Ordinary National Diploma Course for Marine Cadets. The O.N.D. (Marine) syllabuses were finalized and came into operation in September 1970.

The conditions for the award of the O.N.D. in Engineering (Marine) were again discussed and the proposal that a pass in mathematics and any other four subjects would be sufficient for the award of the diploma, was renewed. After discussion it was agreed that this condition should apply to all National Diplomas in Engineering and not just those issued to students participating in the Marine Cadet Scheme. This decision was considered to be most satisfactory as it means that the same standard of diploma will be issued to all successful O.N.D. students and marine students will not be issued with a qualification which was not truly national. The conditions for the award of the diploma have thus been made less rigorous as there is now only one compulsory subject (mathematics) instead of three compulsory subjects (mathematics, applied mathematics and principles of electricity) as formerly.

During the year much discussion took place on the proposal for a new full-time Ordinary National Diploma Course in Technology. This is intended to be a broadly based course in which students can delay their choice of specialization until a later stage of their education than is possible under other schemes. Some discussion also took place on the implementation of the Haslegrave Report and its effects on the existing schemes coming under the Joint Committee for National Certificates and Diplomas. It is understood that the Minister is considering the manner in which the recommendations of the Haslegrave Report might be implemented.

Liverpool Regional College of Technology : Mechanical Marine and Production Engineering Advisory Committee

Representative : R. Anderson, C.Eng.

During the year the Institute's representative attended two meetings of the committee.

On 30 April 1970, with members from the Navigational Advisory Committee, a Sub-Committee was formed to discuss the question of a tank for teaching and research in naval architecture in the Marine Engineering Course and manoeuvring capabilities of ships for the Nautical Study Course. It had been thought that a tank combining the requirements of both departments could be installed, but after much discussion it was decided to refer back to the Committee, a recommendation that there was a need for two types of tank to meet the separate but related requirements of the Department of Navigation and the Marine Engineering Sections. No information being available as to the possible siting of the proposed tanks, the meeting considered that the Faculty Board would be called upon to investigate the feasibility of providing a suitable building to accommodate them.

Enrolled students for the Marine Engineering Section during the college year numbered 332, 133 first class certificates and 199 second class certificates.

The college was keen for an extra first class certificate to be re-established. It was felt that at least 12 students would be required to recommence such a course. Interested members should contact Mr. A. White, Assistant Head, Marine Engineering.

Disappointment was felt that the degree course of marine engineering had not been started during the year. The C.N.A.A. panel had examined the proposals in April 1970 but as their opinions had not been received until late June, it was considered impossible to take action on the points raised for the course to commence in 1970. It is felt that earnest consideration should be given to this matter at an early date.

The college became part of the Liverpool Polytechnic on 1 April, Dr. G. Bulmer being the first Rector. Dr. M. G. Longfield took over as Head of Department of Mechanical Engineering on 1 December 1970.

Lloyd's Register of Shipping : Technical Committee

Representatives : D. W. Kerr, C.Eng., and Captain W.S.C. Jenks, O.B.E., R.N., C.Eng.

- 1) Chapter E, Sections 2 and 7 have been amended. In Section 2 requirements have been introduced relating to the provision of indicators on ship side valves (other than on scuppers and sanitary discharges) to show

whether they are open or shut. This amendment has been made to take account of the Regulations of the International Conference on Load Lines, 1966. In Section 7 where, for cylindrical and water-tube boilers, the Rules were recently amended to require low water level fuel shut-off and alarms to ensure a reasonable measure of protection against damage to boilers resulting from loss of water, a further safeguard has now been introduced in the case of water-tube boilers, particularly those with high outputs and evaporative capacities, so that the feed system must now be arranged to ensure automatic continuity of feed to the boilers from standby pumps in the event of failure of the operating feed pumps.

- 2) A number of cases have occurred of oil engines on light load failing to respond to the governor which controls the engine speed under normal load variation. To guard against this overspeeding, Section H6 has been amended to require the fitting of overspeed protective devices to main and auxiliary engines which could be subject to sudden load changes of considerable magnitude in normal service, in addition to, and independent of, the normal speed governor. These amendments are broadly in line with an agreement reached between the International Association of Classification Societies (Working Party on Engines) and Conseil International des Machines a Combustion Interne (CIMAC).
- 3) A number of fractures have been found in boilers which have been in service, emanating from attachments welded to the inside of the steam drums of water-tube boilers for supporting drum internals and outside the drums for supporting casings etc, also support brackets welded to the outside of shell boilers. In the circumstances, on completion of the hydraulic test of Class 1 pressure vessels, such as fusion welded boiler drums and shells, it is now necessary to ensure, by means of non-destructive tests, that the welds of supports of this kind are free from cracks and defects.
- 4) In a ship intended for unrestricted service, having steam turbine propelling machinery supplied with steam from a single main water-tube boiler, where failure of the boiler would result in danger to the safety of the ship, means must now be provided to ensure emergency propulsion in the event of failure of the main boiler.
- 5) The requirements for gas turbines which previously formed part of Section 48 have now been extended and revised in view of the anticipated increase in number of installations of this type for marine use. These requirements will in future appear in a new Section H9.
- 6) Provisional Rules have been introduced in Chapter R(J) for the Classification of Tankers intended for the Carriage of Liquid Chemicals in Bulk. These requirements have been formulated to fulfil the many requests which Lloyd's Register has received to approve arrangements for particular chemical cargoes, for which standard practices have been developed. Cargoes are limited basically to those which are liquid at ambient temperatures and pressures down to 0°C (32°F) and/or at pressures up to 0.7 kg/cm² (10 lb/in²). The requirements take account of the latest IMCO postulation on this subject. Separate Sections cover those parts of the machinery installation applicable to this type of vessel.
- 7) In line with the proposed IMCO figure, the demarcation flash point temperature in the Rules has been standardized at 60°C (140°F) (closed cup test).

North Western Regional Advisory Council for Further Education (Nautical Advisory Committee)

Representative : Lt. Cdr. G. Kenworthy-Neale, R.N.R. C.Eng.

The Haslegrave Report

Mr. Broadbent (Secretary) outlined the progress which had been made in the Council's consideration of the document.

The special problems which the application of the Report to the maritime industry presented were then discussed. It was noted that a distinction had to be made between deck and engine room personnel in relation to technician training. It was agreed, however, that it would be preferable for the educational provision for personnel in the industry to be dealt with by a single council for the purpose of technicians' examinations and courses. Apparently, up to the level of First Mates Certificate the proposed T.E.C. would be the appropriate body. Beyond this level the position was somewhat doubtful. Mr. Laughland asked whether, in the event of the recommendation contained in the Report being accepted, the B.o.T. would relinquish its examining function. The Chairman explained that it appeared that the statutory functions of the B.o.T. would not be affected. The Committee were in favour of the use of regional machinery in administering national awards. The Committee also agreed not to make any formal recommendations, at this stage, with reference to the proposals in the Report but to keep them in view in formulating its own proposals for training up to H.N.D. level.

Report of the Committee of Inquiry into Shipping (Rochdale Report)

Mr. Clubb (H.M.I.) informed members that following publication of the Report, the B.o.T. was holding discussions with a number of interested parties. Mr. Hughes (B.o.T.) added that it had been intended that, following discussions by the Government departments concerned, there would be a White Paper. Mr. Hambling stated that the view held by industry was that the Report was some three years out of date. The Chairman raised the questions of the Extra Masters Certificate and the tendency for the work to be located in a small number of centres as a result of the inadequate demand for the course. Mr. Hughs stated that the B.o.T. had no intention of discontinuing courses at the present time and Mr. Clubb confirmed that the D.E.S. would allow courses to run so long as there was sufficient support, but some rationalization would be necessary if enrolments tailed off. Mr. Hambling (B.S.F.) referred to the lack of support for the engine room courses at Leith and the Chairman said this was partly attributable to inadequate publicity and poor communications. There followed a discussion on effective methods of attracting support for courses. It was felt that communications could be improved by the use of liaison officers, the release of teachers for short sea voyages and by holding training seminars for senior officers responsible for education and training on board ship. It was reported that the Home Trade Certificates were still under discussion by the Government. During the subsequent discussion on other aspects of the Report concerned with manpower and training, the following points were considered:

- a) Mr. White (Liverpool Polytechnic) indicated that there was a serious shortage of engineers of the right calibre, having regard to the increasing amount of sophisticated equipment carried on ships, and suggested that there should be one or two qualified engineers in each vessel supported by a staff of semi-skilled personnel, with a mechanical background. The Chairman asked whether industry required colleges to provide "A" level entry courses for engineering apprentices. Mr. Hambling informed the meeting that the industry had recently instituted a system of relating commencing wage to age and suggested that this would encourage "A" level students to enter the industry.
- b) Adequate career prospects should be available for engine room ratings.
- c) Mr. Hambling informed the Committee that general purpose training within the industry was already under way.
- d) The Chairman suggested that residential accommodation at both the College of Technology, Liverpool, and the Nautical College, Fleetwood, was totally inadequate and expressed the hope that the position would soon be improved.
- e) The Committee were in favour of the recommendation

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that teachers in nautical establishments should be enabled to undertake periodic sea voyages.

- f) Adequate provision should be made for teachers to attend suitable teacher training courses.
- g) With respect to the proposal to establish a statutory Industrial Training Board, Mr. Clubb suggested that it would be advisable to await further developments.

National Certificates and Diplomas in Naval Architecture and Shipbuilding

The Committee received details of the arrangements and conditions for the award of National Certificates and Diplomas in Naval Architecture and Shipbuilding. It was noted that Birkenhead College was the only establishment of further education in the Region which offered courses leading to the awards.

D.E.P. Training Grant

Mr. White informed the Committee that a remarkably high proportion of students attending engineering courses, which were nominally of 13 weeks duration, were able to complete the course in less than that period and consequently their employers did not qualify for the D.E.P. grant of £20. It was considered, however, that this was a matter for the discretion of employers since a significant number of the students concerned would have returned to duty on completing the course before the expiration of the 13 week period.

Improved Course for Engineering Personnel

Mr. White stated that he was not aware of any improvement in courses other than increased duration. Mr. Clubb replied that the increase in study leave from nine to 13 weeks was an improvement. The Chairman also stated that the greater amount of time devoted to practical work reflected an improvement.

Defence Course

The Chairman reported that the College of Technology had been requested to introduce defence courses of three days duration. Mr. Clubb stated that the D.E.S. were agreeable provided that the course did not reduce the content of the main subjects and the L.E.A. did not object. Mr. Scholes informed members that similar courses, commencing that day, were offered by Fleetwood to be taken after the completion of formal examinations. The Chairman concluded by adding that the courses were not compulsory and that financial incentives were being offered to those attending.

It was reported that the B.o.T. certificates schemes would include, from 1970-71, a course of 12 lectures to be given by practising doctors appointed by the Shipping Federation. The Chairman asked Mr. Hughes whether the St. John's Ambulance Association medical officer could give the first six lectures as heretofore and the Federation's own doctors the remainder. Mr. Hughes said he would enquire and advise the Chairman.

Parliamentary and Scientific Committee

Representative: R. Cook, M.Sc., C.Eng.

There have been seven meetings of the General Committee during the year at which discussions have taken place on the following subjects: Problems of Population, Science and Problems of Air Traffic Control, Metrication, Progress in the Programming and Utilization of Computers, The Work and Future Plans of the Agricultural Research Council, The Work and Future Plans of the European Space Research Organization, Disposal and Reclamation of Solid Wastes. The Committee has been addressed by the Minister of Technology and a number of visits have been paid to scientific and industrial establishments.

Riversdale Technical College, Board of Governors

Representative: P. Jackson, M.Sc., C.Eng.

The past year has shown continued development at the college and in Marine Engineering Courses.

A major change occurred with the formation of a new Department of Marine Engineering on 1 September 1970, under the headship of E. Shawcross, M.Sc., C.Eng., and being responsible for all courses related to marine engineering.

The Engineer Cadet Training Scheme continued at a similar level to previous years, enrolments to the various phases were:

Phase I	1st year Ordinary National Diploma	46
	1st year Marine Engineering Technicians	62
Phase II	Correspondence Course	134
Phase III	Workshop and Advanced Studies	90

Following the pattern established previously, all students attending the college made a number of educational visits during the year. The personal tutor system, established last year with the Phase III cadets, having proved its usefulness, is to be extended to the Phase I cadets. The specialist marine engineering workshops continue to develop with the installation of steam and circulating water systems enabling the power plant to become operational.

During November a meeting was held at the College's Residential Hostel, Kinsman House, between representatives from shipping companies and the college. This meeting allowed for free discussion of matters of mutual interest and was welcomed by all present as beneficial to improving the relationship between the college and the employers.

Block release courses were provided for a variety of courses including: electrical officers, students preparing for 2nd Class B.o.T. Part A Examinations and mechanics.

Courses were also provided for coastal vessel engineers and it is of interest that some of the original entrants on this course returned for a fourth year of study.

Southampton College of Technology: Engineering Advisory Committee

Representative: D. S. Aris, B.Sc., C.Eng.

There were meetings of the Committee in April and December, 1970.

- 1) There has been an increase in the number of cadets enrolled, and the present situation is:
1st year O.N.D. and C.G.L.I. 97
2nd year O.N.D. and O.N.C. 85
Phase III, including Part "A" 53

These are all increases on previous numbers.

- 2) The H.N.D. Cadet course is developing in a most satisfactory manner, and arrangements have been agreed with the shipping industry and the Department of Trade and Industry for G.C.E. and O.N.D. entrance.
- 3) September 1970, saw the commencement of the new revised scheme for O.N.D. cadets.
- 4) The Southampton College has purchased and converted Townhill Park House, Southampton, as a Hall of Residence for marine engineering cadets, to come into use in February, 1971. Mr. R. Coney, a lecturer of the Department of Marine Engineers, has been appointed Warden for the hall which it is expected will hold approximately 80 students, comprising 1st year O.N.D. and City and Guild students, other than those resident at the Warsash School of Navigation.
- 5) At the December meeting it was stressed by the Head of the Marine Engineer Department, that there is continued difficulty in obtaining qualified staff of the Lecture I Grade, probably due to spiralling salary levels in industry.

Swansea College of Technology: Advisory Sub-Committee for Engineering

Representative: F. R. Dale, C.Eng.

The first entries for the Marine Engineering Technician's Course 457 had enrolled at the College. The scheme for the course was being prepared and its effect on the teaching of the various subjects considered.

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Marine Engineering Courses, 1969/70

The Principal presented his report, detailing enrolments and examination results of the marine engineering courses, the shipping companies supporting these courses and the educational visits made during the session.

In the discussion that followed, Mr. D. G. Alcock referred to the excellent work being done in the vacation workshop course. The pioneer nature of this work, carried out at the College, had now become a pattern for such workshop courses for the whole country.

Mr. Bruck, speaking of the success of the visits being undertaken by the students of the College, pointed out that the cost, which was being met by the shipping companies, was increasing. He also referred to the excellent support the students were giving to the educational functions organized by the Institute of Marine Engineers.

Mr. Alcock referred to the way in which the College had overcome the difficulty of tutoring for the Part A examination which had ensured that the work was well carried out.

Future Developments of Marine Courses

The Principal referred to the new scheme for the O.N.D. prepared at the College and at present being vetted by H.M.I. Mr. Bruck referred to the fact that Marine Engineering Practice and Instrumentation were being included as subjects for the first time.

A scheme of study was being prepared for the City and Guilds course number 457 for marine engineering technicians.

Inter-authority discussions had not yet taken place, but were due to be held soon on the transference of the marine engineering courses, at present provided at the College, to the Cardiff Authority. Mr. Alcock deprecated the step which was being taken without consultation with the shipping firms and considered the move would be detrimental to the interests of the students. Speaking of the successful co-operation between the Swansea College and the shipping companies during the last 19 years, he did not think that a more successful arrangement could be possible than that functioning in Swansea. Mr. Hardy said it was essential for their well-being that students at present attending the College should complete the second year of their courses at the College during the session 1971-1972. This proposal was supported very strongly by the representatives of the other shipping companies.

United Kingdom Automation Council

Representatives: D. Gray, B.Sc., C.Eng., and J. McNaught, C.Eng.

During 1970 the United Kingdom Automation Council has introduced a new and simpler form to its organization. The Council has been formed into three groups: Technology, Management and Finance, Users.

The intention is that each group should become viable and active in furthering the objects of the Council.

The greatest progress has been made by the Technology group which has achieved some success in the co-ordination of technical activities among the members of the U.K.A.C.

The Management and Finance group has recently collaborated with the British Institute of Management and a joint activity is likely in 1971.

The Users group, which is the widest spread and broadest, is to arrange a series of meetings in collaboration with the Department of Trade and Industry. Each will be concerned with a distinct field of the use of automation in industry.

World Energy Conference: British National Committee

Representative: G. L. R. Watkins, C.Eng.

Sir Henry Jones presided at the Annual General Meeting of

the British National Committee held on 30 April 1970. Items discussed at the meeting of the International Executive Council in Ankara in 1969 were mentioned and it was noted the Technical Programme for the Eighth World Energy Conference, to be held in Bucharest in 1971, was approved and that the U.S. National Committee would be permitted to hold an exhibition at the Ninth World Energy Conference in Detroit in 1974. Three new National Committees were admitted to membership: Republic of Ivory Coast, Democratic People's Republic of Germany, and the Republic of Korea. The preliminary proposals for the adoption of the International System of Units (S.I.) put forward by the Programme Committee were accepted, a final draft to be presented to the Council in Rio de Janeiro.

The 1969 annual report of the World Energy Conference was presented and it noted the meeting of the International Executive Council at Ankara in June 1969, followed by a discussion in a review General Energy report of Turkey and a study tour of energy installations in Turkey. The report recorded the application for membership received from Liberia and the Democratic People's Republic of Korea and announced that the Ninth World Energy Conference will take place in Detroit 23-28 September 1974. Also included is a report by Sir Harold Hartley entitled "The Future of World Energy".

A report was given on the work of the Programme Committee with reference to the proposals concerning organization of conferences and the whole question of holding exhibitions at conferences, which it was felt should be discouraged. The formation of a Committee on Pollution was announced, and its terms of reference which limits enquiries to pollution of air and water by energy plant, production plant and installations. Also noted was the formation of a Committee on Telethermics to study the large scale transportation of heat over very long distances. With regard to the British papers for World Energy Conference in Bucharest, sixteen titles had been selected covering the technical programme, which is on the general theme of "Improving the Utilization of Energy with Special Reference to Complex Uses" and in five divisions: "The Demand for Energy—New Developments in Technical and Economic Patterns"; "New Processes on Progress of a General Character in Improving Single Processes for the Production, Transport, Transformation and Consumption of Energy"; "Schemes and Installations for the Complex Use of Energy for Multi-output Processes"; "New Technical and Economic Calculation Methods Promoting a Better Utilization of Energy"; and "Economic and Social Impact of the Improved Use of Energy".

Copies of the revised Constitution of the British National Committee were received and it was noted that a new committee had been formed, under the chairmanship of Dr. Parker, to revise the present edition of "Technical Data on Fuel" and to take into account metrication. Attention was also drawn to a panel being set up to survey Energy Resources for 1974. Mr. J. Guthrie Brown reported upon the British Section of the International Commission on Large Dams, for the year ended February 1970, and stated that visits were paid to dams in Northern Ireland and South East Scotland and that lectures had been given to members on the "High Aswan Dam and the removal of the Abu Simbel rock carvings". His report also mentioned that eleven technical papers had been submitted for discussion at the Tenth Congress on Large Dams, Montreal, June 1970.

In a letter, circulated after the annual general meeting, it is recorded that at the meeting of the International Executive Council in Rio de Janeiro in May 1970, the members agreed to a provisional programme, arranged by the New Zealand National Committee, for the 1972 Council meeting to be held at Wairakei in September. It was also decided to accept the invitation of the Argentine National Committee to hold the 1973 meeting in Buenos Aires.

Annual Reports of the Branches

Home

SOUTH WALES

Five senior and two junior technical meetings were held by the Branch during 1970.

The Golf Meeting, held on 29 May at Glamorgan Golf Club, attracted 40 members and guests. The Branch Chairman, Mr. S. J. French, won the David Skae Cup, which was presented to him by Mr. D. Skae, Local Vice-President. The day was concluded with a dinner and social evening.

The Park Hotel, Cardiff, was the venue for the Annual Dinner, held on Friday, 6 November 1970, when 146 members and guests were present. The Annual Dinner Dance, at the Seabank Hotel, Porthcawl, on Saturday, 20 March 1971, was attended by 112 members and guests.

S. J. French (*Chairman*)
J. K. Phelps (*Honorary Secretary*)

WEST MIDLANDS

Membership during 1970 remained at about 400 but attendance at the meetings was not at this level.

The lecture programme for the latter part of the session was disrupted by the illness of the January lecturer, followed by the postal dispute, and attendance of the joint lecture with the Institutes of Electrical and Production Engineers was adversely affected by the latter. Accommodation for meetings has become both scarce and expensive and the Committee will give serious thought to this problem, exploring all possibilities.

In September, 15 members took part in a technical visit to Rolls-Royce, Crewe. This proved to be an extremely interesting afternoon.

A tour of the Q.E.2 at Southampton was this year's social visit, enjoyed by 50 members and their ladies.

Sir Leonard Durquar and Mr. H. E. Upton, O.B.E., Chairman of Council, were the guests at the successful Annual Dinner.

The Branch was again unable to put forward any nominations for the Sir Winston Churchill Award of the Lloyd's Award. This could be attributed to the difficulty of making contact with student members, most of whom are seagoing personnel.

J. H. Gilbertson (*Chairman*)
A. Myatt (*Honorary Secretary*)

NORTH WEST ENGLAND

Membership of all grades at the end of 1970 was 1,944.

Ten senior technical meetings and four junior lectures were presented during the year.

This year the following students were named for Lloyd's Award: R. L. J. Cameron and L. E. Jones of Birkenhead Technical College, R. L. J. Cowell and D. M. Dow of Riversdale Technical College, Michael Andrew Porter and David Swinhoe of Bolton Technical College.

The two students nominated for the Sir Winston Churchill Cruise for 1970 were J. Wileman of Birkenhead Technical

College and C. F. Bishop of Riversdale Technical College.

The Annual Dinner and Dance was held in the Banqueting Suite of the Adelphi Hotel on Friday 6 November 1970. Chief Guest was Mr. M. A. Sinclair Scott accompanied by Mrs. Sinclair Scott. The Chairman's guests included Mr. J. Lever, Principal, Riversdale Technical College and Mrs. Lever, Mr. R. J. Evans, Principal, Birkenhead Technical College and Mrs. Evans, also the Reverend R. A. Evans, Chaplin Superintendent, Mersey Mission to Seamen and Mrs. Evans.

In support of the Merseyside and North Wales local C.E.1. Committee the branch has been represented by Mr. P. Jackson, M.Sc., Mr. H. Dunn, Mr. R. Anderson and Cdr. G. Kenworthy-Neale.

H. Dunn (*Honorary Secretary*)
P. Jackson (*Chairman*)

Australia/New Zealand Division

AUCKLAND

Membership of the Branch now stands at 166, with a steady flow of new members. Since 1964 the membership has increased from 68 which shows a substantial growth, however it is felt that there are still many eligible marine engineers who have not yet taken advantage of this opportunity.

Helped by an energetic Committee, activity has increased during the year and the fuller programme included four technical meetings, two technical visits and two social gatherings. In addition a special General Meeting was held during a visit of the Divisional Secretary Mr. K. Paxton, and in November the Branch Chairman attended the Annual Divisional Conference in Melbourne.

C. Olliver (*Chairman*)
C. S. Harnett (*Honorary Secretary*)

QUEENSLAND

Known membership is now about 134, an increase of nine. Although less than the ten per cent expected a rise in applications in the latter part of the year, coincident with the publication of application forms in *Transactions* should show results in 1971.

The year was one of consolidation in the Branch with all events well attended. Six technical meetings were held with good support from members and guests.

Social highlight of the year was the Annual Dinner when 84 members and guests enjoyed an excellent dinner and the talented Guest Speaker was the Hon. Ian Sinclair, Minister for Shipping and Transport in the Commonwealth Government. The Ladies Night and Christmas Social each had attendances in the 80's but an appeal is made to those who always enjoy both these functions to help the Committee by a quicker response in putting in their acceptances.

The Australia/New Zealand Division became functional with the appointment of Mr. Kerr Paxton as Secretary, and a

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good deal of ground work has been laid for the future.

The separation of the Marine Engineers Review from the Transactions and the method of obtaining the latter has aroused comment, and the outcome is awaited with interest.

A. L. Redford (*Chairman*)
J. Chapman (*Honorary Secretary*)

SYDNEY

During the year, the Branch held four technical meetings, one of which followed the 1970 Annual General Meeting; in addition, a technical meeting was held for students. A joint meeting was held with the Royal Institution of Naval Architects, who acted as hosts.

The Annual Dinner this year was held at Windsor Gardens, Chatswood, under the Chairmanship of Capt. R. G. Parker, O.B.E., R.A.N. (retd.), Vice-President for Australia and New Zealand. On this occasion the Branch was privileged to receive Mr. N. D. Pixley, M.B.E., recently retired as Chairman of P & O Australia Pty. Ltd., also Chairman of Lloyd's Australian Committee, and Mr. S. V. Jones, O.B.E., Chairman of the Australian Chamber of Shipping, as its principal guests.

The Annual meeting of representatives from the various Branches forming the Australia/New Zealand Division was held in Melbourne on 27 November 1970, when the Branch Chairman, Mr. H. Gerrard, represented the Sydney Branch.

The Education Sub-Committee met on several occasions and despite the lack of support from the various bodies approached previously, every effort is being made to improve the standard of training available and it is hoped that some progress will be made in 1971.

H. Gerrard (*Chairman*)
K. M. Murray (*Honorary Secretary*)

VICTORIA

Membership at the end of the year totalled 250, a decrease of two despite active steps to increase this number.

Five technical meetings took place with an average attendance of 31 members and eight visitors.

Five members of the Branch guided a technical visit to Newport Power Station to view recent modifications to boiler plant, and a number of marine engineering students from Footscray Technical College joined in this visit.

Guest speaker at the Annual Dinner in October was Dr. W. H. Connolly, C.B.E., Chairman of the State Electricity Commission of Victoria. Dr. Connolly spoke on management problems arising from large and complex organizations and referred to a "half-life" of ten years for training received—i.e. that within such a period half the training would become redundant or obsolete.

A Dinner Dance held at the Savoy Plaza Hotel was enjoyable, well attended and profitable.

Commander J. White, D.S.C., R.N., enhanced relationships with London by visiting the Branch while in Australia as leader of a trade delegation.

The Education Sub-Committee had an active time with matters which included the future of, and financial assistance of candidates for, the Extra First Certificate, negotiations with C.E.I. for acceptance of the Australian examination, comments and revisions for a booklet "Careers Guide for Victoria, and also correspondence with London concerning membership grading rules.

Some of our Committee members participated in the C.E.I. Annual Dinner, and the guest speaker was Dr. F. McNabb who is a prominent psychiatrist in Melbourne. During the next few years the Branch will act as host to the other Institutions at these dinners and a high standard has already been set.

Encouragement of marine firms to prepare submissions for the Prince Philip Prize for Australian Design was successful and the two firms who did so presented submissions which were highly regarded.

A future event, embarked on during this year but which will not come to fruition until May 1972, is the proposed decision

to hold an International-standard Symposium on the subject "Marine Application for Gas Turbines". This will impose a great work-load on the Branch but it is felt that the rewards will be well worth while both from the point of view of promoting the Institute's interest in educational values and also, owing to the recent decisions to design and build several gas-turbine powered ships here, it may prove to be economically viable. Approval for the Symposium, which will have a programme of twelve papers, was granted by Council in London.

I. K. Mott (*Honorary Secretary*)

WESTERN AUSTRALIA

This year the Branch programme included four general meetings and two discussion meetings, with a high standard of paper being presented to the Branch, and the Annual Dinner Dance. The Branch had a visit from the Honorary Secretary of the Australia/New Zealand Division who attended the August meeting. Two representatives of the Branch were present at the first Annual Meeting of the Division in Melbourne.

Mr. F. H. S. Scriven, Branch Chairman, and Mr. E. J. McManis, Branch Vice-Chairman, will retire from the Committee this year. Mr. Scriven has completed seven years service as Honorary Secretary and member of the Committee.

F. H. S. Scriven (*Chairman*)
L. F. Coy (*Honorary Secretary*)

Canadian Division

ATLANTIC

During the year the Branch maintained its membership at a level close to that of the previous year, with a total of 157 members of all grades.

In addition to the Annual General Meeting, five technical meetings were held and an inspection of the drilling rig *Sedco "H"* took place in April, at Halifax Shipyards. The average attendance at the technical meetings was 49.

The tenth anniversary of the founding of the Branch was celebrated, on 9 May, with a wine and cheese party, held in H.M.C.S. *Scotian*, Halifax, when 76 members and guests were present. The family picnic was held on McNabs Island, on 1 August, with an attendance of 78. The Annual Dance and Buffet took place at the Jubilee Boat Club on 18 December, the attendance being 145.

The Annual Golf Tournament was held at the Oakfield Country Club and attracted 96 participants.

Due to retirement, the Branch Committee will lose the services of Mr. K. Nicol, its Chairman, and Mr. D. C. Flamank.

K. Nicol (*Chairman*)
B. D. Lawson (*Honorary Secretary*)

GREAT LAKES

During the year the Branch held four technical meetings at which a variety of interesting papers were presented.

In May, a social evening was held at the Holiday Inn, Oakville, one of the highlights of which was the showing of a film on the first successful return voyage of a commercial ship, the tanker *Manhattan*, through the North West Passage.

The Chairman's thanks, to the officers and Committee members for their numerous services to the Branch, and to the members for their support throughout the year, have been recorded.

J. E. Jackson (*Chairman*)
G. W. Corbin (*Honorary Secretary*)

NEWFOUNDLAND

The membership of the Branch stood at about 38 members of all grades through the year.

In addition to the Annual General Meeting, five committee meetings were held, also two technical meetings. A technical address followed the Annual Dinner, held in May.

E. S. Hoskins (*Chairman*)
P. J. Strain (*Honorary Secretary*)

Annual Report of the Council for 1970

OTTAWA

At the end of 1970, Branch membership stood at 81 members of all grades, a decrease of one from the previous year.

As well as the Annual General Meeting, three technical meetings were held and a tour of the E. B. Eddy paper mill was organized.

A most enjoyable "Dine the Wives" party was held at CFB Uplands Officers' Mess.

F. Harley (*Chairman*)

J. R. E. Clark (*Honorary Secretary*)

ST. LAWRENCE

Total membership of the Branch now stands at 131 members.

The Branch held five general meetings during the course of the year. Apart from meetings scheduled by the Branch, members have been invited to participate in technical meetings sponsored by all major engineering and technical associations in the Montreal area.

Due to the active participation of Committee members, 1970 has been quite a successful year, with attendances at meetings being good to excellent.

A questionnaire, sent to members after the 1970 Annual General Meeting and requesting their help in setting guidelines for the successful operation of the Branch, prompted only a ten per cent response. Comments were generally favourable and criticism coincided with objectives that committees over the years have tried to achieve. The 1970 Committee took the comments into account in any decisions taken.

The proposed joint meeting to be held between Great Lakes, Ottawa and St. Lawrence Branches to discuss facilities and requirements for training marine engineers in Canada, has had to be postponed indefinitely.

The Branch was presented at a number of C.E.I.I.C. meetings and functions. The Corporation of Professional Engineers of Quebec indicated through C.E.I.I.C. its willingness now to consider membership in C.P.E.Q. of Institute members, upon review of their qualifications. Mr. D. L. Findlay, Branch representative offered his services in assisting any suitable applicants from the Branch. A.C.E.I.I.C. dinner was held on 20 March at which the Branch was well represented.

The Branch returned to the Skyline Hotel, Montreal, for the Annual Dinner Dance. In all 110 people participated and it was generally considered the most successful dinner dance to date.

K. C. Hamilton (*Chairman*)

H. J. Aspin (*Honorary Secretary*)

VANCOUVER

Four technical meetings were held during the year including one with the Society of Naval Architects and Marine Engineers which had an attendance of 136. A field trip enjoyed by members was a tour of T. E. S. *Canberra*.

In October 325 members and guests were present at the Annual Dance.

E. J. Jones (*Chairman*)

Robert W. Brown (*Honorary Secretary*)

VANCOUVER ISLAND

1970 was an interesting and full year. Seven technical meetings were held and credit should be given to the Papers Committee for their efforts. A visit was made to H.M.C.S. *Provider*, Fleet Replenishment Vessel, by courtesy of the Commanding Officer.

A "No Host" Cocktail Party on 25 June 1970, was held in the Dockyard Officers' Club, H.M.C. Dockyard, Esquimalt B.C.

The Branch suffered several losses during the year in the passing of Mr. A. W. Jones and Lt-Cdr. G. P. Bennett R.C.N. and the resignations of Capt. A. B. Arnison, O.B.E., C.D., R.C.N. (Ret.), Cdr. J. W. Hamilton, R.C.N., C.N. and Mr. J. W.

Braithewaite

Seven Committee meetings were held to ensure the continuation of Branch business.

Cdr. R. A. MacKay, C.D. (*Chairman*)

Lt-Cdr. W. J. Kirk, C.D. (*Honorary Secretary*)

Indian Division

CALCUTTA

During the year eleven Committee and three technical meetings were held.

The first Annual Dinner of the Branch was held on 5 December 1970, when about 160 members and their wives participated. Rear-Admiral T. B. Bose, B.Sc., Vice-President for India spoke on the aims and activities of the Institute while Mr. S. Basu, Chairman, Marine Section, Institution of Engineers in India, commented on the question of relationship between corporate members of this Institute and those of the Institution of Engineers.

The Annual Cricket Match, held at the Marine Engineering College on 23 January, was interesting as the teams came close to a possible tie.

K. S. Chetty (*Chairman*)

H. K. Kaul (*Honorary Secretary*)

COCHIN

Four Committee meetings and one technical visit were held this year.

During 1970 the revised by-laws were effected and the subsequent changes in organization led to delay in forming the membership list. The grant for carrying out the Branch activities was similarly affected, but, now that these matters are clarified, more activities should be possible in the coming year.

P. L. D'Abreo (*Chairman*)

K. S. Mani (*Honorary Secretary*)

MADRAS

In 1970 four technical meetings were held and attendances were between 22 and 36. The two technical visits, to Madras Refineries and Ennore Thermal Power Station respectively were similarly supported.

On 20 November 1970 the Annual Dinner was held at the Guest House of the Indian Shipping Corporation and more than 50 marine engineers, technologists and master mariners were present.

A. T. Joseph (*Chairman*)

V. K. Desai (*Honorary Secretary*)

VISAKHAPATNAM

Branch membership has now grown to 78.

Four technical meetings were held during the year; the attendance at all meetings was satisfactory.

Several distinguished visitors joined the members and their ladies for the Annual Dinner which was held on 26 December at the United Services Officer's Club.

Following the third technical meeting two points were raised concerning the future. The first was a proposal recommending the recognition of meritorious services by Merchant Navy personnel, tabled by R. L. Sachar, and the second, by Lt-Cdr. T. S. Trewn referred to his discussions on 12 November with the Indian Division Council members in connexion with the proposed acquisition of office premises in Visakhapatnam.

K. K. Banerjee (*Honorary Secretary*)

Overseas

CALIFORNIA

1970 was a successful year with good attendances at the meetings.

Three technical meetings were held, including a joint meeting with the San Francisco Chapter of the American Society of Naval Engineers which was very well attended and

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successful.

On 9 July a combined social and technical meeting was held aboard the Matson liner, *Mariposa*. Members and wives toured the vessel and a cocktail, dinner and dance evening followed. A record attendance was experienced and it is hoped to make this an annual affair.

A July meeting was held with Admiral Williamson, U.S.N. (Ret.), Commander of the Californian Maritime Academy, and staff, to establish cordial relations between this Branch and the Academy. A subsequent increase in student activities, with applications for membership has resulted. Dr. A. W. Davies, Vice-President for the United States, offered to provide the Academy with the last five bound volumes of *Transactions*, and arrangements were promptly initiated, the presentation to be made by Dr. Davis at a later meeting.

Kenneth Kasschau (*Chairman*)
H. Comerford (*Honorary Secretary*)

CAPE TOWN

This has been an active year, dominated by the prospects of a South African Institute. In the interests of becoming more widely known and of providing better service for local members the Branch made contact with other Engineering Institutes and an open invitation is now issued to members to attend meetings of the Cape Town Branches of the Institution of Electrical, Certificated Mechanical and Electrical, and Civil Engineers, and the Institutes of Welding, Refrigeration and Air Conditioning. Advice of these meetings will be given where practical and we shall open our meetings to members of these bodies in reciprocation.

The Branch held four technical meetings this year, two of which were preceded by cocktail parties. Of these the first was a joint meeting with the Institutions of Mechanical, Electrical, Civil and Certificated Engineers, at which a film was also shown and the second, presented at the President Hotel by Mr. B. Hilldrew, M.Sc., Member of Council and Lloyd's Register of Shipping, had an approximate attendance of 80 members and guests including those invited by Lloyd's Register. The paper was appreciatively received at the meeting and widely reported in the press.

On Friday, 19 June, Mr. J. Stuart Robinson, M.A., Director and Secretary, attended a meeting here at which 50 members and guests were present. As a result of this meeting a co-ordinating committee of the three South African Branches was formed, our representative being Commodore J. H. Nortier.

About 180 members and guests were present at the Annual Dinner which was held on November 20 at the Mount Nelson Hotel. Guest of Honour was Rear Admiral J. Johnson, S.A.N., and we were fortunate in having with us Mr. B. Hilldrew, a past Chairman of Council, also as our guest.

Attendances at this year's meetings were below average but we hope that with the forward movement of Engineering in South Africa today, members will appreciate the need to support the Institute and its activities.

P. H. F. Brebner (*Chairman*)
D. F. Utley (*Honorary Secretary*)

SINGAPORE

Only one technical meeting was arranged this year but with the further growth of shipping activities here it is hoped the Branch will benefit in both membership and the number of technical papers to be presented in the coming year.

The Annual Dinner was held at the Hotel Equitorial in November 1970. Dr. Toh Chin Chye was the guest of honour and about 200 members and guests were present.

Once again the Institute awarded a prize of 50 dollars to the top student (Phase 1 Second Year) at the Singapore Polytechnic. This year's winner was Mr. Tiem Kim Swee.

E. R. Yates (*Chairman*)
M. K. Das Gupta (*Honorary Secretary*)

TRANSVAAL

Membership of the Branch now stands at 49; an increase of four.

During the year three technical meetings were held and papers read at each.

At a fourth meeting the Branch had the pleasure of attendance of Mr. J. Stuart Robinson, Director and Secretary of the Institute. The matter under discussion was registration and recognition of the Institute in terms of the Professional Engineers Act.

E. Dalton (*Chairman*)
J. A. Campbell (*Honorary Secretary*)

PAKISTAN GROUP

Membership showed a considerable increase during 1970.

Apart from arranging meetings the main committee activities this year were assisting young marine engineers to solve their professional difficulties and helping with preparations for their M.O.T. examinations in Karachi.

Two technical meetings were held but a third was cancelled owing to the cyclone in East Pakistan. The cyclone also caused the postponement of the Annual Dinner which should have been held in Dacca in December, and at which the Governor of East Pakistan, Vice-Admiral S. M. Ashan had kindly consented to be chief guest.

Several technical film shows were arranged for students and the Institute prize was again awarded to the student attaining the highest marks in the final engineering examination at Chittagong Marine Academy.

The annual convention, inaugurated by Lt. General K. M. Azhar, Governor, NWFP, was held at the University of Peshwar from 26 December 1970.

Negotiations with the National Shipping Corporation to find suitable central accommodation for branch functions and library facilities still proceed; many shipowners have promised donations.

T. A. Thanwey (*Honorary Secretary*)

Branch Annual General Meetings

Home

DEVON AND CORNWALL

At the Annual General Meeting held on 2 February 1971, the new Branch Committee was elected as follows:

Vice-President:	Capt. W. S. C. Jenks, O.B.E., R.N.
Corresponding Member (Falmouth):	J. R. Buckley
Chairman:	Cdr. W. Farrell, M.B.E., R.N.
Committee:	A. J. S. Bennett Lt.-Cdr. S. F. Dawe, R.N. Cdr. K. B. Denison, R.N. Lt.-Cdr. P. R. Eddy, R.N. Eng. Lt.-Cdr. W. R. Edwards, R.N. (co-opted) M. J. Gilbert Capt. J. G. Little, O.B.E., R.N. Lt.-Cdr. P. H. Robinson, R.N. (co-opted) A. J. Waddle Cdr. G. W. Wood, R.N.
Honorary Secretary:	J. H. Reynolds
Honorary Treasurer:	Lt. N. A. C. Hughes, R.N.

KINGSTON UPON HULL AND HUMBER AREA

Subsequent to the Annual General Meeting, held on 18 January 1971, the Committee for 1971/72 is:

Vice-President:	R. L. Rawlings (Vice-Chairman of Council)
Corresponding Member (Grimsby):	E. Cockerill
Chairman:	S. Mathews
Committee:	E. Barnett C. H. Booth C. Clark J. A. R. Cooke A. C. Coward A. Holmes H. Milne G. D. Moore S. H. Ravn G. A. Skelton, M.B.E. F. N. Sutcliffe D. A. Taylor
Honorary Secretary:	P. R. Salisbury
Honorary Assistant Secretary:	T. A. D. Sharpe
Honorary Treasurer:	K. Varlow

NORTH MIDLANDS

The Annual General Meeting of the Branch was held on Wednesday, 3 March 1971, at 19.30, at the Sheffield Industries Exhibition Centre, with Mr. G. Cokayne, Chairman of the Branch Committee, in the chair.

The minutes of the previous Annual General Meeting were

read and approved.

The reports of the Honorary Secretary and the Honorary Treasurer were read and approved.

A ballot was held to elect four new Committee members from the six nominated candidates. As a result Messrs W. Marsh, C.B.E., B.Sc., M.Sc., G. Prentice, P. Smith and K. Ounsley were elected.

The Committee for 1971 is therefore:

Chairman:	J. C. Proudfoot
Vice-Chairman:	W. Marsh, C.B.E., M.Sc.
Committee:	G. Cokayne A. M. Jarvis, B.Sc. K. Ounsley G. Prentice L. R. G. Sayer P. Smith P. A. Sparrow G. Wilkinson R. M. Gilman J. A. Hill

Honorary Secretary:

Honorary Treasurer:

A technical film was then shown—'The Downcombe Project' by the Yorkshire Division of the C.E.G.B.

Mr. J. Stuart Robinson, M.A., Director and Secretary of the Institute, addressed the members and an informal discussion followed.

NORTH WEST ENGLAND

The Annual General Meeting of the Branch took place at 18.00 on Monday 1 February 1971, in the Conference Room of the Mersey Docks and Harbour Board, Liverpool, and was attended by 58 members.

The Minutes of the previous Annual General Meeting were read, followed by the Honorary Secretary's Report and the Honorary Treasurer's Statement, all of which were accepted.

Six new members of the Committee were elected following the results of the poll.

The Committee unanimously elected the new Chairman and Honorary Secretary in place of Mr. P. Jackson and Mr. H. Dunn, who were retiring from office.

The Committee for 1971 is now:

Chairman:	E. Levison
Corresponding Member (Barrow):	A. J. Aitken
Corresponding Member (Manchester):	J. A. Clay R. Anderson J. Braid R. F. Capey R. M. Dunshea P. M. Duke W. Fennell G. C. Fletcher M. J. F. Giddings J. P. Graham

P. Jackson, M.Sc.
 A. T. Johnson
 H. K. Makinson
 J. A. M. Ramsey
 T. C. Shaw
 G. G. Southworth
 J. H. Taylor
 K. J. R. McBurnie
 H. J. Whitgreave

Honorary Secretary:
 Honorary Treasurer:

The Chairman, Mr. P. Jackson, announced that he had endowed a prize of £10 for the presentation at the end of each calendar year for the best paper relating to a marine engineering subject. After careful consideration, the Committee had decided that the Jackson prize for 1970 should be awarded to Mr. Bryan Taylor for his paper of 5 October 1970, on 'Development of the Doxford J-Type Engine'.

Mr. Jackson continued his speech by referring to the year's activities and excellent support and attendances given to the Lectures during 1970. This was encouraging to the Committee, and Mr. Jackson hoped this trend would continue. Questions regarding venue for future lectures were also discussed, and an appreciation of Mr. Dunn's services as Honorary Secretary was given.

The new Chairman, Mr. E. Levison, thanked Mr. Jackson for his services to the Branch during his period of office, and requested him to continue as a Committee Member for 1971.

NORTHERN IRELAND

The Branch Annual General Meeting took place on Thursday, 6 April, in the Millfield Building, Mr. J. Sloan, M.Sc., Chairman of the Branch Committee, presided.

The minutes of the previous annual general meeting and the financial statement for the year were read and accepted.

The Honorary Secretary's report was read and accepted.

The Chairman made a report on his year of office, ranging over many subjects which included bringing members up to date on the present position with P.E.A.L. The statement that this had fallen through due to lack of support generated some critical discussion from the members. Standards of qualification for membership of the Institute also came under some discussion.

The next business transacted was the election of the Committee for 1971 which now stands as follows:

Chairman: J. Sloan, M.Sc.
 Vice-Chairman: J. B. Baillie
 Committee: A. Beck
 A. Brew
 W. H. Dickinson
 R. Harrison
 E. E. Hopkins
 L. McKay
 J. Skeats

Honorary Secretary: P. H. Reid
 Honorary Treasurer: E. C. Sides

A change of venue for technical meetings was next discussed, as there was some evidence that lack of parking facilities in the Millfield area was discouraging attendances. It was decided to investigate alternative venues and alternative parking facilities at Millfield.

Some discussion took place on the Annual Golf Meeting, it being decided that the Branch should continue its association with the Harland and Wolff Management Golfing Society and that members should be encouraged to compete for the Firth Brown Cup.

The changes in the format of the *Transactions* and *Marine Engineers Review* produced some lively discussions, with opinions divided. It was decided to await the outcome of the trial period.

The possibility of arranging various technical visits was discussed, as also was the possibility of holding meetings or social events outside Belfast.

SCOTTISH

The Annual General Meeting of the Branch was held on

Wednesday, 10 March, at Rankine House, Bath Street, Glasgow, at 18.15 Mr. J. Herd, Branch Chairman presided.

After the annual report and statement of accounts were presented, the Chairman thanked the Committee for its support during the year, and also expressed his thanks to the Honorary Secretary, the Honorary Assistant Secretary and the Honorary Treasurer, saying that the business of the Branch required a great deal of time and much enthusiasm from the office holders.

Messrs. L. D. Trenchard, J. D. B. Mundie and R. Marshall were then duly re-elected as Honorary Secretary, Honorary Assistant Secretary and Honorary Treasurer respectively.

A vote of thanks was offered to the Chairman and the Committee, particularly to the retiring committee members. Particular reference was made to the outstanding manner in which the Chairman had carried out his onerous duties.

The Chairman stated that the postal dispute had prevented delivery of a large number of nomination papers, only three of which had been returned. Members were requested to return nomination papers to the Honorary Secretary within fourteen days of receipt, once the dispute was ended. Voting papers would be issued if more than four nominations were received.

The Chairman thanked the Honorary Auditors, Messrs. H. C. Kemp and J. J. W. Byrne for their services and they were duly re-elected.

The Branch Committee as subsequently elected is:

Vice-President: W. McLaughlin
 Honorary Vice-President: R. Beattie
 Corresponding
 Member (Aberdeen): J. H. King
 Corresponding
 Member (Dundee): J. M. Anderson
 Corresponding
 Member (Greenock): A. M. Kerr
 Corresponding
 Member (Leith): K. P. Campion
 Chairman: B. R. McGonigal
 Committee: J. Bowes
 F. G. Burn
 J. J. W. Bryne
 G. Clarkson
 J. B. Cowe
 C. A. Creber
 R. J. Donaldson
 T. R. Evans
 J. Gillespie
 J. R. Herd (co-opted)
 J. Moar
 K. Ross
 Honorary Secretary: L. D. Trenchard
 Honorary
 Assistant Secretary: J. D. B. Mundie
 Honorary Treasurer: R. Marshall

SOUTH EAST ENGLAND

The Branch held its Annual General Meeting on Tuesday, 20 April, at the Royal Clarendon Hotel, Gravesend, under the chairmanship of Mr. A. G. Beavan.

In the voting for the new Branch Committee, Messrs. H. J. Alexander, J. Heighway and W. P. Packham were elected as Committee members. Mr. B. T. Clark was elected Honorary Secretary; as there had been no nominations for the position of Honorary Treasurer, the post was left vacant till the next Committee meeting, when Mr. Packham was elected.

The full Committee for 1971 comprises:
 Chairman: A. G. Beavan
 Vice-Chairman: J. R. Richardson
 Committee: H. J. Alexander
 G. F. Forsdike
 J. Heighway
 H. A. Humphreys
 S. W. Nicholls
 G. G. Parsons
 A. H. Stobbs
 Honorary Secretary: B. T. Clark

Annual Report of the Council for 1970

Honorary Treasurer: W. J. Packham

There followed reports on the year's activities by the Chairman, the Honorary Secretary and the Honorary Treasurer.

Mr. E. A. Adlington, Chairman of the Education Committee, outlined the Committee's activities for the year. He was pleased to announce that one of the student members in the area had been awarded a voyage in the training ship *Winston Churchill*.

Reference was made to the loss from the Committee of Mr. F. S. Gardner, who had retired through ill health.

The Chairman concluded the meeting by thanking the retiring Honorary Secretary, Mr. F. C. Bown, and Honorary Treasurer, Mr. R. Brown, and, on behalf of the Committee, presented each with an inscribed tankard as a memento of their years in office.

WEST MIDLANDS

The Annual General Meeting of the Branch took place on Thursday, 25 March, at the University of Birmingham. The Chairman of the Branch, Mr. J. H. Gilbertson, presided and Mr. J. Stuart Robinson, M.A., Director and Secretary of the Institute was present.

The minutes of the last annual general meeting were read and, there being no objections, accepted as a true record and signed by the Chairman.

Mr. Gilbertson then presented his report of the year's activities. He also paid tribute to Mr. R. M. Hills, retiring member of committee, and to Captain J. M. C. Dunlop, R.N., who had recently taken up a posting to Bath.

The Honorary Treasurer, Mr. K. H. Harrison, presented a financial report which, after some discussion, was approved and accepted.

Referring to the election of committee members for 1971, the Chairman said that, due to disorganization caused by the postal strike, it was proposed to issue the ballot papers at a later date.

WEST OF ENGLAND

The Branch Annual General Meeting took place on Monday, 26 April, at the University of Bristol. The Branch Chairman, Mr. W. H. Sampson was in the chair.

After the Branch business had been dealt with, a free discussion took place concerning the attendances at meetings and ways in which the support of members might be attracted.

The Branch Committee for 1971 is:

Local Vice-President,
Bristol: F. C. Tottle, M.B.E.
Chairman: W. H. Sampson
Committee: W. C. Atkinson
O. Burgess
J. E. Channon
A. T. Curtis
G. B. Dawson
Lt.-Cdr. R. A. A. Dean, R.N.
H. R. Embleton
R. E. Ellis
J. E. Gander
G. T. Hughes
Capt. W. S. C. Jenks, O.B.E.,
R.N.
R. W. Knapp
T. A. Mogg
J. Templeton
J. V. Fry
Honorary Secretary: J. V. Fry
Honorary Treasurer: Lt.-Cdr. L. F. Clark, R.N.

Australia/New Zealand Division

AUCKLAND

The Annual General Meeting of the Branch was held on Tuesday, 23 February 1971.

Elected to the Committee for 1971 were:

Chairman: J. M. Bray
Committee: J. Y. W. Dick

Lt.-Cdr. H. J. Ewens, R.N.Z.N.
M. G. Kay
N. B. J. McDougall
B. Pacey
Eng.-Lt. J. L. Shipp, R.N.Z.N.
H. Watts
B. A. White

Honorary Secretary: C. S. Harnett
Honorary Treasurer: C. J. Olliver

After the general business of the meeting Mr. N. Crichton, Engineer Manager, Amalgamated Power Engineering, presented a film called "700 Miles of Oil".

QUEENSLAND

The Annual General Meeting of the Branch was held on Wednesday, 10 February 1971 at 1800 in the Ward Room, HMAS *Moreton*, Merthyr Road, New Farm under the chairmanship of Mr. A. L. Redford.

Messrs. A. L. Simpson, W. R. Pennell and H. F. Kennedy were newly elected to the Committee and Mr. A. L. Redford, retiring Chairman was elected Honorary Secretary. Mr. D. W. Crosby was appointed Assistant Honorary Secretary.

The Committee for 1971 is therefore:

Chairman: Lt.-Cdr. B. A. N. Kemp, R.N.

Vice-Chairman and

Honorary Treasurer:

Committee:

L. P. Roessler
N. A. Bailey
H. F. Kennedy
L. B. McDonald
D. W. Moffat
W. R. Pennell
A. L. Simpson
A. J. Watkins
A. L. Redford

Honorary Secretary:

Assistant Honorary

Secretary:

D. W. Crosby

SOUTH ISLAND

The Branch held its Annual General Meeting on Friday, 12 February 1971 at 1945 at the Shell Co. Theatre, St. Elmo Courts, Christchurch. Mr. E. R. Musson was in the chair.

The minutes of the previous Annual General Meeting were read and approved. The Chairman then pointed out that five members would be retiring by rotation at the end of 1971 and that the Committee as it stood was available for re-election. On a vote, the standing committee was then unanimously re-elected for 1971. It was further moved that Messrs. J. Goldsworthy and H. Newman be elected to the 1971 Committee. This motion was carried.

The Honorary Secretary, Mr. B. T. Carr, and the Honorary Treasurer, Mr. J. M. Lucas, were re-elected to office after which Mr. Lucas presented the Statement of Accounts which was duly accepted.

The Committee for 1971 now consists of:

Chairman: K. B. C. Beale
Vice-Chairman: E. E. Taylor
Committee: H. F. Cook

J. G. Goldsworthy
M. J. Hansby
E. R. Musson
K. H. Newman
J. F. Weld
E. G. Wiig

Honorary Secretary:

Honorary Treasurer:

B. T. Carr
J. M. Lucas

The Annual Report for 1970 was read and accepted.

The Chairman then gave a report on the Annual Meeting of representatives from the various branches forming the Australia/New Zealand Division which was held in Melbourne on 27 November 1970. The agenda was considerable and covered the future developments of the Division.

After a general discussion on the various conclusions from the Divisional meeting, the Honorary Secretary outlined in general the activities of the South Island Branch for 1971.

VICTORIA

The Annual General Meeting of the Branch was held at Clunies Ross House in Melbourne on 5 February 1971 with Mr. J. B. Thomson, Local Vice-President, in the chair.

The Honorary Secretary, Mr. I. K. Mott, and four Committee members, Messrs. C. Ogden, K. Lauder, R. Armstrong, D. A. Gillies, retired.

The Committee for 1971 is now:

Chairman: J. B. Thomson
 Committee: H. W. Baddams
 J. W. R. Brock
 I. Clarke
 J. Dixon
 W. F. Ellis
 D. N. Moore
 W. R. Shorten
 L. N. Sustenance
 Cdr. D. W. K. Vagg, R.A.N.

Honorary Secretary: P. Bossen
 Honorary Treasurer: Lt.-Cdr. J. H. Coles, R.A.N.V.R.

The Honorary Secretary's and Honorary Treasurer's reports were received and adopted.

The Chairman then gave a brief resume of the proceedings of the first conference of the Australia/New Zealand Division which was held in November 1970.

The Chairman finally welcomed the speaker for the evening, Mr. G. Griffiths, Assistant General Manager Operations, Australian National Line, and invited him to present his paper, "Sea Transport in the Years Ahead".

Canadian Division

ATLANTIC

The Annual General Meeting took place at 20.00 hours on Friday, 15 January, at the Dockyard Management Association Building, Halifax, under the chairmanship of Mr. K. Nicol. Twenty three members were present.

Mr. J. Hornsby and Mr. A. S. Cleveland were appointed scrutineers for the ballot for new committee members.

The annual report and the financial statement were read and approved.

The Chairman read the revised proposals for the operation of the Canadian Division and called up Cdr. V. F. O'Connor, C.D., B.Sc., R.C.N., Local Vice-President, to elaborate on them.

The Honorary Secretary read the Prize Fund report and it was agreed that the Branch's contribution thereto be forwarded immediately.

On completion of the ballot Messrs. T. R. Forsyth and K. Harrison were elected to the Committee; Messrs. H. R. Macpherson and B. D. Lawson were elected Honorary Treasurer and Honorary Secretary respectively.

After a short recess it was announced that Mr. J. Milton had been elected Chairman, Mr. A. Cain, Vice-Chairman, of the new Committee.

Local Vice-President
 (Halifax): J. Gamble
 Corresponding
 Member (Sydney, N.S.): R. C. Johnston
 Chairman: J. Milton
 Vice-Chairman: A. Cain
 Committee: M. R. Evans
 T. R. Forsyth
 Lt. K. W. Hamilton, C.D.,
 R.C.N.
 K. Harrison

Honorary Secretary: B. D. Lawson
 Honorary Treasurer: H. R. Macpherson

The Honorary Secretary reported on future technical meetings to be held and plans for various social activities were discussed.

In recognition of their services the retiring Committee members, Mr. K. Nichol and Mr. D. C. Flamank were each

presented with an inscribed brass model dory, while the retiring Local Vice-President, Cdr. V. F. O'Connor, received an engraved beer stein.

GREAT LAKES

The Branch held its Annual General Meeting at 20.00 hours on Thursday, 20 January, at the George Brown College, Toronto, under the chairmanship of Mr. E. Jackson. Thirty-four members were present.

After welcoming those present, the Chairman presented his report for 1970.

The financial report, presented by Mr. E. E. Bustard, the Honorary Treasurer, was adopted.

As a result of the ballot for vacancies on the Branch Committee, Messrs. A. C. Parkinson and H. Brady were elected. Messrs. J. H. Edlund and E. E. Bustard were re-elected Honorary Secretary and Honorary Treasurer respectively.

The Committee now comprises:

Local Vice-President
 (Toronto): G. P. Fowlie
 Chairman: W. F. Dixon
 Vice-Chairman: F. H. G. White
 Committee: A. Barbour
 H. Brady
 A. C. McKenzie
 A. C. Parkinson

Honorary Secretary: J. H. Edlund
 Honorary Treasurer: E. E. Bustard

After the announcement of the award prizes to Mr. J. Trystad, of Nova Scotia, and Mr. G. Oakes, of Newfoundland, for the highest marks in the First and Second Class Canadian M.O.T. Certificate of Competency examinations in 1970, it was agreed that 25'00 dollars should again be contributed to the Scholarship Fund.

There followed a report and some discussion on correspondence and processes related to the nominations for the office of Vice-President for Canada. There was also a brief report on the amended organization of the Canadian Division and the proposed representation of the Division at Council Meetings.

NEWFOUNDLAND

The Annual General Meeting of the Branch was held in the Shriner's Club, St. John's, at 20.30 hours on Wednesday, 24 February.

The reports for 1970 of the Honorary Secretary and the Honorary Treasurer were read and adopted.

The Committee for the ensuing year is:

Local Vice-President
 (St. John's): R. A. Harvey
 Chairman: J. R. Kazak, B.Sc.
 Committee: H. C. Carey
 I. P. Causer
 E. S. Hoskins
 J. W. Noel
 G. Smith
 A. J. Whiteway
 Honorary Secretary: P. J. Strain
 Honorary Treasurer: H. G. Evans

OTTAWA

The Branch Annual General Meeting was held on Tuesday, 14 January, in H.M.C.S. *Bytown* Naval Officers' Mess. The Branch Committee Chairman, Capt. F. Hawley, R.C.N., presided.

The Chairman addressed the meeting on matters of present interest and future import to members, saying that the Committee, in the course of time, would have some fundamental issues to decide.

He also made a plea for members' support at Branch meetings and for an increased membership drive. The existence of the Branch, he said, depended essentially upon the presentation of good quality papers and active support by each individual member.

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These latter subjects came under discussion from the floor as did the proposal for Divisional representation at Council Meetings.

Following a ballot to elect new Committee members, the constitution of the Committee is:

Local Vice-President
(Ottawa): Capt. F. Harley, R.C.N.
Chairman: W. Ross
Committee: A. M. Alexander
Dr. A. Feingold
D. Hughes
Cdr. K. E. Lewis, C.D., R.C.N.
Honorary Secretary: B. F. Allen
Honorary Treasurer: Lt.-Cdr. E. V. Dear, C.D.,
R.C.N.

ST. LAWRENCE

The Annual General Meeting of the Branch was held on 25 January. The Chairman of the Branch, Mr. K. C. Hamilton, presided and 20 members were present.

The Chairman read his annual report.

Mr. H. J. Aspin, Honorary Treasurer, presented the financial statement which was adopted.

The 1971 Committee was elected as follows:

Corresponding Member
(Quebec): D. McKinnon
Chairman: R. S. J. Harrison
Committee: K. Bulman
G. Collins
Dr. D. J. Doust
J. W. Firth, O.B.E.
W. Graham
R. M. Kalyaniwalla
R. McAleese
Mr. McGregor
T. Williams
Honorary Secretary: H. J. Aspin
Honorary Treasurer: N. Fairhurst

A general discussion then took place on Branch and Institute matters.

VANCOUVER

The Branch Annual General Meeting was held on 14 January 1971 at the Sands Motor Hotel. Mr. E. J. Jones, Chairman of the Branch, presided.

Having read the financial report, which was accepted, the Chairman outlined the progress of the Branch during the past year. He also emphasized the importance of having high calibre speakers at technical meetings.

Four technical meetings have been held including a joint meeting with the Society of Naval Architects and Marine Engineers which attracted an attendance of 136. One field trip was held and members enjoyed a tour of t.e.s. *Canberra*. Three hundred and twenty-five members and guests attended the annual dance, held in October.

The Committee for 1971-72 is:

Local Vice-President
(Vancouver): R. G. Boomer
Chairman: E. J. Jones
Committee: D. U. Alexander
D. W. Challinor
A. E. Furnedge
D. M. Laing
G. Lawson
A. K. McDougall
G. A. Santwyk
Honorary Secretary: R. W. Brown
Honorary Treasurer: N. Sigsworth

Indian Division

MADRAS

The Annual General Meeting of the Branch was held on 18 February, 1971, at the Seafarers' Club.

The annual reports of the Honorary Secretary and the Honorary Treasurer were read and approved.

Owing to the retirement from office of the 1970 Chairman, Honorary Secretary and Honorary Treasurer, new office-bearers were proposed, seconded and unanimously elected. The new Committee members were also elected.

The Committee for 1971 now stands as follows:

Chairman: A. Krishnan
Committee: M. N. Arunchalam
T. V. Rajan
A. Samuel
S. M. Bhola
Asim K. Das
S. R. Parthasarathy
Cdr. V. S. P. Mudaliar, I.N.
G. S. K. Mohan Rao
Honorary Secretary: I. M. Rao
Honorary Treasurer: I. M. Rao

The outgoing office-bearers thanked the Committee and other members for support during their tenure of office, and assured the new office-bearers of their future co-operation.

CALCUTTA

The Annual General Meeting was held at 18.00 on 23 February, 1971, at the British Council Lecture Hall, Calcutta. 44 members attended.

The Chairman directed the Honorary Secretary to read the annual report which was then passed. The Honorary Treasurer then read the financial report, which was also accepted.

A ballot was held to fill the positions of Honorary Treasurer, Honorary Secretary and three Committee members. The Committee for 1971 is therefore:

Chairman: C. Tye
Committee: D. Madhok
K. K. Malik
S. K. Paul, B.Sc. (Calcutta)
N. L. Narasimhan
A. K. Ghoshal
M. L. Kapoor
H. K. Taneja
S. K. Berry
Honorary Secretary: H. K. Kaul
Honorary Treasurer: A. Roye

Matters arising from a discussion on the Institute publications policy then followed, and views were noted. The Committee will consider various points raised, and forward any recommendation to the Indian Division and to London.

The meeting was followed by the screening of four technical films.

Overseas

CAPE TOWN BRANCH

The Annual General Meeting was held at 20.00 in the Merchant Navy Academy, Granger Bay. 36 members attended.

The Reports of the Honorary Secretary and the Honorary Treasurer were read and approved.

The Chairman called upon the Local Vice-President, Mr. A. L. Brown, to take the chair for the election of officers, and the resulting Committee for 1971 was:

Local Vice-President: A. L. Brown
Chairman: R. J. Wilson
Vice-Chairman: N. C. Humphries
Committee: P. F. H. Brebner
F. D. Jones
R. J. Kuhn
W. H. Neish
Commodore (E) H. J. R. Nortier, M.B.E.
C. S. Russell

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M. Truter
E. R. Walsh
Co-opted member
representing R.I.N.A.:

A. T. Fletcher, Constructor-Lt.,
S.A.N.
Honorary Secretary: D. F. Utley
Honorary Treasurer: W. K. Thomas

The new Chairman, Mr. R. J. Wilson, was then invited to take the chair, and upon doing so, he thanked the retiring Chairman for the service he had given to the Branch during his term of office.

Commander Nortier, upon request, reported on the activities of the co-ordinating committee for the setting up of a South African Institute. This concluded the meeting.

DUBLIN

The Annual General Meeting was held at 20.00 on 12 February, 1971. Twenty-two members attended.

The Annual Report and Financial Statement were read and approved.

Two new Committee Members were elected, and the election of the Chairman was deferred until the Committee Meeting on 26 February, 1971.

The Committee for 1971 is therefore:

Chairman: N. J. Healy
Committee: D. E. Burke
D. M. Lorraine
R. G. Rees
T. J. Cronin
M. J. Chester

Honorary Secretary: T. A. Kiernan
Honorary Treasurer: P. B. Harrison

The showing of three technical films on "Oil Drilling and Design" and "Lubrication of Roller Bearings" preceded the meeting.

DURBAN

The Annual General Meeting took place on 2 February, 1971, and the Chairman's Report and Honorary Treasurer's Financial Statement were read.

The Committee for 1971 is as follows:

Local Vice-President: H. T. V. Horner
Chairman: J. H. Archer
Committee: R. C. Baker
P. E. Calder
F. Edmond
R. G. Kinnell
T. H. Noel
Commodore D. W. Robertson,
S.M.B.Sc., S.A.N.

Honorary Secretary: C. E. F. Lanier
Honorary Treasurer: L. Brown

HONG KONG

The Annual General Meeting was held on Tuesday 9 February, 1971, at Shell House, Hong Kong.

The Minutes of the 29th meeting, which had previously been circulated, were taken as read and approved.

Changes in Committee were proposed owing to the resignation of Mr. E. F. Reid as Honorary Secretary and Mr. F. S. B. Chao as member of committee. Mr. Q. M. Watt, the Honorary Treasurer, was proposed as Honorary Secretary and accepted the new office; Mr. E. van't Sant was then elected as Honorary Treasurer.

The Chairman, Mr. J. W. Rasmussen, thanked the retiring Honorary Secretary, and also Mr. Chao, for their services to the Branch.

The Branch Committee is now:

Local Vice-President: L. T. Williams
Chairman: J. W. Rasmussen
Vice-Chairman: R. J. F. Hudson
Committee: W. D. Adam
W. C. Chow (co-opted)
J. K. Develin
B. W. Rees
E. F. Reid
J. D. Whineray

Honorary Secretary: Q. M. Watt
Honorary Treasurer: E. van't Sant

Other matters of general interest discussed included arrangements and suggestions concerning future papers and discussions. The question of a larger lecture theatre was of particular interest, and the Papers Committee will carry out an investigation of alternatives.

The Branch correspondence was then dealt with.

The Chairman asked the Sub-Committee for Student Activities to submit a report at the next Committee meeting.

SINGAPORE

The Annual General Meeting was held on 18 February 1971.

The Annual Report and Audited Statement of Account were read and passed.

Following the election of Committee members at the meeting and of office-bearers at the Committee meeting on 2 March the Committee for 1971 now stands as:

Local Vice-President: J. M. Mair
Chairman: P. F. Gresser
Vice-Chairman: R. Vesuna
Committee: D. E. Harper
Loh Peng Yuen
I. M. Pease
A. C. H. Heng
K. C. Slater
L. M. S. Bell
E. R. Yates

Honorary Secretary: M. K. Das Gupta
Honorary Treasurer: D. R. Austin

Mr. E. R. Yates, the retiring Chairman, is the ex-officio member and Mr. J. M. Mair the local Vice-President is the permanent member of the Committee.

TRANSVAAL

The elected Committee for 1971 is:

Chairman: H. R. Tyrrell-ead
Vice-Chairman: C. A. Timms
Committee: E. Dalton
J. C. Fraser
B. Gwilliam
D. M. Hayward
A. J. Scott

Honorary Secretary: J. A. Campbell

JOINT MALTA BRANCH I.M.A.R.E. AND R.I.N.A.

The Annual General Meeting was held on 11 February 1971. The first Committee meeting was held on 16 February and the new Branch Committee is as follows:

Chairman: L. P. Smith
Committee: A. Cachia
E. Debono
J. L. Debono
E. Mallia
B. Wilkes
J. Mc. C. Winders
Honorary Secretary: E. Mallia
Honorary Treasurer: J. Giorgio

The Institute of Marine Engineers

76 Mark Lane, London EC3R 7JN

Minutes of Proceedings of General Meetings 1971



The Eighty-Second Annual General Meeting of the Institute of Marine Engineers was held at the Memorial Building, 76 Mark Lane, London, EC3R 7JN, on Tuesday, 27 April 1971, at 1730.

The President, Mr. M. A. Sinclair Scott, C.B.E., took the chair.

The Minutes of the previous Annual General Meeting (held on 28 April 1970), having been published in the August 1970 issue of the *Transactions*, were taken as read and signed as a correct record.

Introductory remarks by the Chairman

The CHAIRMAN said that in opening this Annual General Meeting he would like to spend a few moments in referring to some of the urgent and important matters before the Institute at this time. A number of them were mentioned in the Annual Report.

As mentioned in the report, the Institute's Draft By-Laws were not yet approved. This delay had not been due to any lack of activity by the Council; in fact, pressure had been brought to bear by them and as a result the C.E.I. had sent a letter to the Privy Council suggesting that as the main difficulty in agreeing the Institute's proposals stemmed from the section dealing with membership structure and associated matters, the special resolution sent to the Privy Council following on the 1969 Annual General Meeting should be temporarily set aside. Should members agree, another resolution would be submitted to the Privy Council limiting changes in the By-Laws to items not in discussion under these headings of membership structure and associated matters.

It was pertinent to comment that the negotiations on these subjects had spanned the periods of office of not less than two Presidents and three Chairmen of Council, each of whom had by his own conviction of the rightness of the Institute's proposals been able to add his weight and support to them.

The delay had now lasted for two years and had been caused by the interest being shown by the C.E.I., who received the Institute's proposals from the Privy Council. There was, of course, the additional fact that difficulties were now also being investigated in the setting up of the Engineers' Registration Board and the Register itself. Once this was established, designatory titles and letters would require to be provided.

If the Privy Council accepted the suggestions now made by C.E.I. on behalf of the Institute, it would be necessary to call an Extraordinary General Meeting which could be held as soon as reasonable, provided that twenty-one days' notice was given in accordance with the statutes. In saying this it must always be remembered that December 1973 was the deadline date for the full implementation of all C.E.I. requirements, particularly in connexion with educational standards for election to Corporate Membership.

Inflation was another topic mentioned in the report and one the effects of which were only too well known to the members. To help the Institute face this problem, the Council had decided to set up a Finance Study Group to "investigate means of providing sufficient funds to maintain the growth of the Institute until the revised rental income becomes available in 1979."

The Group had now produced a five-year plan ending 1976 based on the first year's budget. It was clear from this that, while margins were narrow, the opportunity was great. It was of the

utmost importance to ensure that sufficient funds were available to carry through any development plans the Institute might adopt. Some three years ago the possible development of the Institute was set out in a paper entitled "The Institute in the 1970s". This had been brought up to date and would be considered by the Council in due course.

Talking of money, it was appropriate to comment here upon the Council's prompt action, taken at short notice, to combat certain extremely serious cost increases, notably the doubling of the printed rate for bulk postage of journals and the substantial rise in printing costs. Both these increases had been known to be in the pipeline towards the end of last summer but their magnitude had not become clearly evident until September/October. The Council had therefore had two months at best in which to conceive and implement a course of action if it were to be introduced at the beginning of the New Year. The urgency of the problem could be better understood when it was realized that these two factors would have increased expenditure by £13 000.

Letters had been received from members both commending and criticizing the new publications policy and, as had already been announced, the Council would review the position after six months' operation. Some of the commendation given to *Marine Engineer's Review* had been to the effect that its format enabled a greater amount of day-to-day information to be published.

Their aim must be to make sure that, despite the pressures upon them today, the Institute continued to maintain its excellent record of offering value for money. Nothing must be permitted to reduce their standards or inhibit their determination to provide the right sort of learned society service at the right price. While recognizing the quality of service to members, it was relevant to note that of all the institutions in C.E.I., the Institute levied the lowest subscription. It employed a smaller staff, in relation to membership, than did other institutions with which comparisons could be made; and compared with all the larger institutions this proportion was very much smaller. Further, the Institute policy had been to diversify sources of income so that there was no undue dependence on any one of these. Comparison with other institutions showed, for example, that one relied for nearly 80 per cent of its income on subscriptions, while another obtained only 20 per cent of its revenue from subscriptions. The Institute lay between these extremes, with subscriptions providing just over one half of its revenue.

He directed attention to the December issue of *Marine Engineer's Journal*, where there was a reference as to how revenue was spent and where it came from. Their margins were narrow but, with the right policies vigorously implemented, there was no reason, as far as could be foreseen, for the Institute to find itself in the financial difficulties now being experienced by some other institutions.

Judging from the Institute's membership figures and the range of current activities, the existence of a vigorous approach could not be doubted. Membership figures at the moment were very good. Not only was the number elected this year higher than in any other year, but the proportion of Chartered Engineers measured by the new standards was substantially greater, having risen from a figure of about 10 per cent for the last few years to something of the order of 30 per cent. This was important in relation to manning the new large sophisti-

cated ships and finding the technical director potential of tomorrow. This Institute needed men of quality in its ranks. It should not be satisfied with the position of yesteryear when such men had to look to other institutions to be qualified, but had to come to the Institute of Marine Engineers to be informed. Nor should it be forgotten that something like one-third of the Institute's members were overseas nationals, and their contribution was therefore considerable.

Activities by the Institute ran at a high level. The branches operated in forty-five centres and held meetings in other towns in their areas. Conferences in London on a regular planned basis now supplemented the normal winter programme.

When striving so hard to maintain momentum it was somewhat irritating to be confronted by needless obstacles to progress. One such was the investigation now being undertaken by the Monopolies Commission of professional organizations, including this Institute. One would hardly have thought it necessary to expend a great deal of time in deciding that the Institute was not monopolistic.

The Council had examined what functions it should support externally to ensure that the best value for time spent was attained. In this connexion it had been decided, for example, that the expiry of the Standing Conference for National Qualification and Title organization (better known as SCNQT), referred to in the Annual Report, should not automatically mean that the Institute joined the Engineers' Forum which had taken the place of SCNQT. Only after serious consideration was it decided that the Institute should not be represented on the new body, although, having said this, he was convinced that they must be represented in all places where a truly useful contribution could be made.

He hoped that these remarks had been of some interest. As he had already mentioned, they were now living through an extremely difficult period of the Institute's existence. However, it was clear that even if they were still some way from the sunlit uplands, they were much farther away from the slough of despond. Even in these hard times there were great opportunities and he for one was certain that the Institute had the imagination and the energy to grasp them. Given an enthusiasm for the task, and a true identity of purpose shared by everyone—members, committees, Council and staff—the days ahead could be faced without apprehension and, indeed, with real confidence.

The President, in concluding, reminded members that only those who had paid their subscriptions for the current year were entitled to vote.

Presentation of Annual Report by the Director and Secretary

Mr. J. STUART ROBINSON, M.A., Director and Secretary, presented a summary of the Annual Report for 1970.

Presentation of Annual Financial Statement by the Honorary Treasurer

The HONORARY TREASURER (Mr. R. Cook, M.Sc.) said that the first point to note in examining these accounts was that they covered a nine month period up to 30 September; this change in the accounting year had been made in the interests of cost efficiency. This did not, however, invalidate comparison between the results for the year ended 31 December 1969 and those for the nine months ended 30 September 1970. Indeed, great pains had been taken to ensure that this was the case. Thus, for example, the deficit on Revenue Account for the nine months was thought fairly to reflect the proportional deficit for the year which would have resulted had the accounts been taken to 31 December 1970.

Referring to the General Revenue Account, Mr. Cook said that subscriptions credited to the nine months were given. When translated to a full twelve month period, the figure was £113 000. This was an increase of £23 500 over 1969 and was due almost entirely to the new subscription rates which came into operation from 1 January 1970. It would also be noted that Investment Income had increased. This was due to the exercise of greater control on the Institute's cash resources, to ensure their maximum utilization as a source of revenue on short-term loans, and also to a more liquid policy in regard to the Institute's portfolio in view of the uncertain Stock Market conditions. This meant that there was more cash to invest in short-term loans to local authorities, producing a relatively high

rate of interest.

It would be seen that the rapid increase in inflation which took place during the period, affected nearly every item of expense. As the Director had stated, action had been taken to counter this trend, and it should bear fruit in 1970-71 and beyond.

As an example of the action taken during this period he referred to Note 10. Advertising revenue was no less than £26 000 approximately for the nine months, corresponding to £34 000 over a full year. This represented an increase of no less than £5000 in the full year over the previous year. This had been done at a very difficult time for advertising. It reflected very great credit on the staff.

The result of all this was that the deficit for the nine months was just under £4000, which was equivalent to approximately £5400 in a full year.

Long-term budgeting had been adopted for the guidance of the Secretariat and the Council, and the accounts for each year would in future form the basis for the ensuing five years. In this manner financial targets could be set and a measure of results derived. It would also serve to put the long-term objectives of the Institute in perspective and permit an examination of various means of fulfilling them.

Mr. Cook then referred to the Memorial Building Revenue Account. Here, in comparison with the previous year, there was an increase of approximately £3500 in a full year, due to revision of service charges. In addition, there was a diminution in mortgage interest of roughly £1000, making a total advantage of £4500. Against this there were increased charges for administration, services and rates, with the result that the surplus, when adjusted to a twelve month period, was some £3000 greater than that of the previous year.

In the Balance Sheet, the total of the Accumulated and Revenue Reserve Funds showed a drop of some £4500 to a figure of about £175 000. It should be noted, however, that in this nine month period they had charged a full year's capital repayment and redemption of £16 000. Taking this into account it meant that, broadly speaking, the reserves had been held in what had been a very difficult period.

However, his personal feeling was that this should not be a cause for complacency, for during this period the value of money had depreciated by something of the order of eight per cent per annum—say six per cent during the period under consideration.

Adoption of Annual Report and Accounts

Mr. A. R. HINSON (Associate Member) in proposing the adoption of the Annual Report and Accounts, noted that the increase in membership for the last year had been the greatest in any year in the history of the Institute. There was in 1970 an increase of approximately five per cent. This was greater than the 3.3 per cent increase in membership of the constituent institutions of the C.E.I. It was noteworthy that the largest increase in membership took place amongst Members and Associate Members, many of whom transferred from lower grades. The other grade of membership which showed a great increase was that of Student. There were about as many new Student Members as new full Members. This was particularly satisfying since it showed that the Institute was still continuing to attract suitable young men. Whether the newcomer was a student or a fully qualified engineer, he could rest assured that this was a friendly Institute in which he would always be welcome.

As the Report showed, the Council and the members serving on the various technical committees had been looking to the future and had ensured that matters of interest and importance were discussed. The formation of new specialist sections had been mentioned and also the splitting of the *Transactions* and the *Journal* into two separate publications.

The saving of £13 000 a year represented about 11½ per cent of the total from members' subscriptions.

It should be emphasized that the day-to-day running of the Institute was performed by a comparatively small permanent staff. Working nearby, it was easy for him to come in and pester the permanent staff. He always found them extremely helpful. It was especially appropriate that the efforts of the staff should be recognized at this time when, to paraphrase the Report, the Institute was participating in the development of

the Council of Engineering Institutions in order that, by extending their influence and standing, a suitable structure might be created for the entire engineering profession.

Mr. I. W. ROBERTSON (Member), in seconding the proposal, said that it was hardly necessary to be a member of the Institute to realize the breadth of interests and implications of the work of the Council. It was a very good thing that once a year their work was crystallized into a formal document. It was no mean task to condense into a few words a whole year's work and to produce such an interesting document.

The President had mentioned value for money. In this respect the Institute was probably unsurpassed anywhere else. He had had the best possible value for money out of the Institute and felt sure that every member could say the same.

He hoped that the seagoing engineers, who made up the majority of the Institute's members and had not the opportunity to come into the Institute regularly, would not just read the Report as a document and feel themselves to be far removed from the Institute's affairs. By the same token, he hoped that the Council were not so involved in their discussions with the C.E.I. and their many other problems that they felt they were getting further away from the seagoing engineer.

He was grateful for the opportunity to say a word of personal thanks to the staff for all their help.

It was with much pleasure that he seconded the proposal.

The CHAIRMAN invited comments or questions on the Annual Report and Accounts.

Mr. A. N. S. BURNETT (Member) said that he had been a member of the Institute for some years and agreed that over the years an excellent service had been provided.

As mentioned by the President earlier, this was a very important turning point in the history of the Institute. Inflation had mainly brought this about. All companies in this country were now forced to look at themselves a bit harder than ever before. This also applied to this Institute. He commended the prompt action which had been taken, as this was an era in which engineering practice could not be regarded in isolation. Commercial and technical people had now to work closer together in order to produce proper results in what might be called the techno-economic area. Although this was an engineering Institute (he was well aware of this, being an engineer himself) it was not possible to get the best results from the Institute, or out of any piece of equipment, unless it was looked at commercially. Commercial expertise had been exercised at the Institute in the last half year, but was the Institute proceeding along the right path? There were a lot of younger members joining and they had a very different attitude to life from that of the older members. The work of the Joint Policy Committee was to be commended, but in the present context he would have liked to have seen more papers presented on techno-economic subjects: not just how the thing was made but what happened to it in service and whether or not it proved to be a "commercial" success. The younger members were interested in this as well as in the technical side.

Any meeting such as this tended to spend a lot of time looking at what had happened over the year and not so much at what it proposed to do in the coming year. It might, he thought, be useful to divide the Annual General Meeting into two parts, so that they could briefly look at what had already happened, but more importantly at what it was proposed to do in the immediate future, moneywise and programmewise. If this could be done the attendance at the AGM might well be doubled. The Institute was only as good as its members wanted it to be. If the members did not take part in the promotion of new activities and ideas, the Institute would just go on jogging along until another bomb came along, like inflation, to force them to look hard at themselves once again.

The CHAIRMAN thanked Mr. Burnett for his suggestions, which were, he thought, very interesting indeed, and would be examined by the Council.

The Annual Report and Accounts were *adopted*.

Report of Scrutineers

The CHAIRMAN then read out the Report of Scrutineers and announced that the President for the next session would

be Mr. R. Munton, B.Sc., and that the following had been elected:

Vice-Presidents:

United Kingdom:

*Professor G. H. Chambers, D.S.C., M.Sc.

*Captain W. S. C. Jenks, O.B.E., R.N.

*J. McAfee

*R. L. Rawlings

H. E. Upton, O.B.E.

H. N. E. Whiteside

Australia:

*Captain R. G. Parker, O.B.E., R.A.N.

Canada:

E. J. Jones

Office Bearer—Honorary Treasurer:

*R. Cook, M.Sc. (Vice-President)

Members of Council:

J. Cowley, B.Sc., Ph.D.

P. Jackson, M.Sc.

T. Kameen

G. W. Lascelles

D. M. Reid

Associate Member of Council:

D. McG. Tree

* Re-elected.

Vote of thanks to Scrutineers and reappointments for 1971/72

Mr. R. COOK, M.Sc. (Honorary Treasurer) said that it was his very pleasant duty to propose a vote of thanks to the Scrutineers—Mr. E. R. Hall, Mr. A. L. Covell, Mr. L. H. Howe and Mr. C. H. Rispen. These gentlemen had done a very good and worthy job of work.

He understood that they were all eligible and willing to undertake the duty again next year, and he therefore had pleasure in formally proposing their reappointment.

On the Scrutineers' initiative the ballot paper had been re-arranged to make it easier for the member voting and to ensure that democracy really operated, inasmuch as the order of the name in the ballot paper this year was chosen by ballot and not done alphabetically as on previous occasions.

The vote of thanks was *carried by acclamation* and the motion concerning the reappointment of the Scrutineers was *carried*.

Other business

Mr. E. R. HALL, B.Sc. (Associate Member) said that the By-Laws indicated who might be present at this meeting. Perhaps the Secretary would say on what basis the charming ladies and the photographer were allowed to be present.

The last speaker had mentioned the ballot paper. It was true that the revised form of ballot paper was a help to the Scrutineers. It was not true that the random presentation of names was the idea of the Scrutineers or had any real value. It was not really a secret that Mr. Gordon Victory, whose name appeared at the bottom of the ballot paper when he was elected, topped the poll. It should not be any secret that the top of the poll this time was distributed between the top and bottom of the non-alphabetical list. If the Council had asked the Scrutineers, who knew how the geographical position on the paper affected the voting, they would have learned that this random business was a load of nonsense. In his view it should never have been done. However, it was "one of those things".

A lot of polite things had been said this evening. He endorsed most of them. He was particularly glad that reference had been made to the late Mr. George Garner.

It was rather annoying that members were still not allowed to smoke in their own house. Since it had been announced that this was a majority decision of the Council, he suggested that the Council should now consider prohibiting themselves from smoking during Council meetings, if they would not allow members to smoke in this hall.

It had been said that some of the activities of the Institute were protracted and spread over a number of Chairmen of Council and so on. It might be worth considering the possibility of inviting the President to serve two terms, if he were willing, and inviting office bearers to serve two terms. They hardly had time to get into the job before they were out.

He believed it was as a result of a suggestion he made at a previous General Meeting that Council agreed that the Annual Report and Accounts should be printed as a hand-out to people attending the meeting. In somebody's wisdom that practice seemed to have been discontinued this year, with no notification. No one was warned that he should bring the Report along with him if he wanted to follow Mr. Cook's remarks. He therefore hoped the previous practice would be resumed, and that the Report and Accounts would be available at the hall in sufficient numbers for the use of those members attending the A.G.M.

There had been a marked increase this year in the response to voting papers. Possibly the pre-paid envelope had a good deal to do with it, particularly since many of the ballot papers had enclosed with them cheques—which the Scrutineers did not accept as bribes but passed on to the Secretary!—and various bits of paper requesting *Transactions* and so on. It seemed that in the present hard times the members were economizing on postage.

The Royal Charter talked about the dissemination of information, and it was therefore a matter for regret that if a member wanted information in the form of the *Transactions*, to which he was entitled, he now had to put money into the Post Office for the purpose. Perhaps a system of standing order could be instituted, so that a sea-going member could indicate his wish to have all the *Transactions* without the need for further application on each individual paper.

Hard times had been mentioned. At the last meeting he had warned that the subscriptions would go up. He believed they would. Any young man interested in the Institute would find it a good investment to buy himself a Life Membership. When the new By-Laws came into effect (if they ever did) it would no longer be possible to buy a Life Membership. This was a useful piece of financial advice in this "techno-economic" age.

The CHAIRMAN asked the Director and Secretary to deal with the points raised by Mr. Hall.

THE DIRECTOR AND SECRETARY said that that morning several members of the staff had come to him and asked if they might, strictly from an interest point of view, attend this evening's meeting, not as participants but simply as observers. He had taken advice on the matter and been assured that this suggestion or request should be welcomed. If that advice were wrong it must, of course, be corrected. The fact that from the very start of this meeting the staff had been working in their own time was something to their credit.

It would, of course, be rather difficult to run this meeting if all staff who were not "fully paid-up members" were excluded. There had been a time (during the first 15 years of his service) when he would have been disqualified from attending, on this basis.

He therefore, very gently indeed and in the most friendly fashion, felt he ought to chide Mr. Hall! There was both democracy and secrecy. The order of the ballot paper results as read out, unlike that of the names on the ballot paper itself, was not anything but alphabetical in the section where the votes were cast. The reason this had been done—and he commended it—was that nobody knew, apart from the Scrutineers and himself—not even the President or the Chairman of Council—who came where on the ballot sheet. There was no question of popularity stakes in this business. He had to know himself for one reason only. When a casual vacancy arose it had to be filled by some process within the terms of the constitution, and it was considered to be democratic that the man next in order on the poll should fill the vacancy. Other than the Scrutineers, he alone had to know who the man was.

Mr. HALL said that it was history, after all.

The DIRECTOR AND SECRETARY said he had only pointed it out so that the meeting could be assured that what was meant to be secret was in fact retained as secret, to the best of his endeavours.

Note had been taken last year of Mr. Hall's suggestion concerning the purchase of a life membership. Taking the taxed figures into account, the saving was not as good as it might be thought to be. There were nine members compounding at the moment.

The *Transaction's* register would be appended to the six

months' report which was in the course of preparation.

There were 50 copies of the Report available in the hall, this being about the average attendance number.

The question of serving two terms was not one on which he could comment.

He hoped Mr. Hall would achieve his objective in regard to smoking on the Council Chamber, as he was himself a non-smoker!

The CHAIRMAN OF COUNCIL (Mr. H. E. Upton, O.B.E.) said that he appreciated Mr. Hall's remarks about two terms. One term as Vice-President taught a man what he should do! But to do any of these jobs properly took a lot of time and effort. They were all most grateful to the people who did them voluntarily and had been very fortunate as to their quality. It would be a big strain for anybody to serve two consecutive terms.

Vote of thanks to the President

The CHAIRMAN OF COUNCIL said that it was the prerogative of the Chairman of Council on this occasion to propose a vote of thanks to the President, on behalf of the members of the Council and, indeed, of all the members of the Institute. He greatly valued the opportunity to express their gratitude to the President for all the services he had rendered on behalf of the Institute during his term of office. He had given these services during a most difficult year for the marine engineering and ship-building industry, which had been so bedevilled with disputes and economic pressures. The President had had to endure these in full measure.

The President's philosophical and optimistic approach was always most impressive. He had kept his head and exercised authority in a way which epitomized his success in the "hot seat" he held in industry today. Although he was an extremely busy man, he had made time for the Institute's affairs, completely discounting the 400 miles he had to travel to London. By his untiring efforts he had acquainted himself with the broad aspects of the Council policy. Having convinced himself of the merits of a matter, he never missed an opportunity, whether on informal or formal occasions, to apply logic to his argument on their behalf. Some of the contests on the informal side had been pretty severe at times! He recalled the President's carefully measured words at the Annual Dinner and on other important occasions. They were evidence of his sincere beliefs and were on the record for all members and for the industry to heed. They would be of value to historians in the Institute and in the industry.

All this had been achieved while at the same time making a notable contribution in a business started by his forbears 250 years ago. They would all wish him well in his task of guiding the group to prosperity in the industry, which it so badly needed if they were all to share in the benefits of co-operative efforts. With the present cost of money at 11 per cent, a company had to make double that to exist.

It was with very great pleasure that he proposed this vote of thanks to the President.

Mr. W. McClIMONT, B.Sc., seconding, said that the Institute had a very fine tradition of first-class Presidents. Looking back over the roll there were some very outstanding names and a generally very high level indeed in those who had honoured the Institute by accepting the Presidency. Mr. Sinclair Scott had proved in the past year that he was well up to the tradition of past Presidents.

The Chairman of Council had referred to the President's problem in operating from a base 400 miles away. This was offset, of course, by the fact that he had a very good base. He came from the right part of the world!

Reference had also been made to the difficulties of industry at the present time, and it was against this background that the President had rendered his services to the Institute.

As an Upper Clyde man Mr. McClimont was very impressed by the achievements and resilience of the lower Clyde, which owed a lot to the personal efforts of Mr. Sinclair Scott.

This Institute was now really quite a big business. Its management and the steering of its financial affairs called for a great deal of business acumen, and they were greatly indebted to Mr. Sinclair Scott for the assistance he had given and the words of wisdom he had expressed during his term of office.

He had also pursued a very enlightened outlook towards technical progress, and much encouragement had come from him in this direction also.

One of his most attractive and endearing characteristics was his modesty, and it must pain him to have to sit and listen to these words of praise, so brevity was indicated.

It was with great pleasure that Mr. McClimont seconded the proposal.

The vote of thanks to the President was *carried by acclamation*.

Reply by the President

The CHAIRMAN, in reply, thanked Mr. Upton and Mr. McClimont for their very kind remarks and the meeting for its most generous response. It was, as the Vice-President had pointed out, extremely embarrassing—all the more so because, in all truth, he had not really contributed a very great deal to the work of the Institute during his term as President. He should have done a lot more and would have liked to have done a lot more, but, as both his friends had said, it had indeed been a rather tiresome year for somebody engaged in building ships and manufacturing prime movers. There was the added difficulty of the 400 miles which separated the Christian people from north of the Border from those elsewhere!

He did not want to make it sound like a mutual admiration society meeting but he gladly took this opportunity of expressing his profound admiration of the work he had seen done during his term of office by the Branch Chairmen, the Branch Officers and their committees, by the Chairmen of all the Committees, and, of course, by the Council and by the Chairman of the Council.

It had not been possible for him to get around to as many Branches as he would have liked to have visited, though he had seen some of them. In Mr. Upton the Institute had a most splendid and hard-working Chairman of Council. He really had made a most valuable contribution to the work of the Institute. He had been able to do this because of his long and very distinguished career in business.

He paid tribute also to the members of the staff of the Institute, who had worked like beavers during the year. It would be quite invidious to pick out any one individual in particular, but he wished to pay his own humble tribute to the Director and Secretary, Mr. Robinson, who had been an absolute tower of strength to him. He was extremely grateful to Mr. Robinson and, indeed, to all the nice people he had met on the staff and whom he was now so proud to count among his friends.

He asked all members to join with him in extending a very sincere vote of thanks to the members of Council, to the Branch Officers and to the Committee members for all their very hard work during his year as President.

The vote of thanks was *carried by acclamation*.

Reply by the Chairman of Council

The CHAIRMAN OF COUNCIL said that, as indicated on the agenda, it was now his duty and pleasure to say a few words in reply to the President's comments and good wishes.

He felt sure that the staff greatly appreciated what had been said about them.

The location of officers during the past year, apart from costing a lot in telephone calls, had no doubt helped to teach many people patience and understanding. The experience would, he hoped, stand the Institute in good stead. The President and Chairman of Council usually seemed to live in the Metropolitan area.

The absence through illness of Mr. Michael Pearce since the beginning of January had been a very severe blow, coming at a very very important time, when the five-year plan was being developed. Part 1 of the exercise was to make everyone think, and he felt sure that this project would redound to the advantage of the Institute in the years ahead. It was only by the redeployment of personnel in the last months that the staff had been able to carry on and still provide all the services expected from them.

He wished to say a word in particular to the Director and Secretary, who was implementing the Council's wishes that he should visit the Branches. The Branches were the grass roots of the Institute, and he had been able to bring to the Branches a first-hand communication from Council. Mr. Robinson had done very well in this respect, as the Branch Chairmen present this evening would readily agree. It was now part of the Institute's policy and he thanked Mr. Robinson for undertaking this arduous duty so successfully during the year. He felt sure the meeting would want Mr. Robinson to convey their thanks and good wishes to all the people around him.

Presentation of Medals and Awards for 1970

The presentation of medals and awards was then made by the President.

Closing remarks by the Chairman

The CHAIRMAN said that he would like to take the opportunity, before closing the meeting, of congratulating the new President, Mr. Rupert Munton, on his appointment. He was no stranger to anyone in this room, having been a member of the Institute for a very long time indeed. He was a past-Chairman of Council and a Vice-President, and had been a member of an extraordinarily large number of Committees. He was steeped in the work of this Institute, and there was no doubt that in Mr. Munton the Institute would have a really hardworking, dedicated and first-class President.

Mr. R. MUNTON, B.Sc., in response, said that it was not really his turn for speaking tonight but he would like to say thank you very much to Mr. Sinclair Scott for his very kind remarks, and to the members for doing him the great honour of electing him as their President. This was, indeed, the second time. The first time he had fallen flat on his face before the starter's gun. At least he was now in going condition!

As had been said, there was a wonderful line of Presidents in this Institute. He could not hope to live up to what had been done before but at least he would try not to let the Institute's standards in this respect fall too far.

The CHAIRMAN then closed the meeting.

Action by Council

At its meeting in May, Council considered several points that had been raised at the Annual General Meeting in order that any action taken as a result of these matters being raised could be published with the Minutes of the Annual General Meeting.

The Council agreed:

- 1) that the suggestion by Mr. A. N. S. Burnett that there should be more papers on technico-economic subjects be referred to the Papers and Transactions Committee;

action is now being taken within the wider terms of reference of the Business Management Specialist Section;

- 2) that there was some merit in Mr. Burnett's suggestion that the Annual General Meeting should be divided into two parts, a report of the previous year and a report of proposals for the current year, and that this should be referred to the Finance and General Purposes Committees for consideration which have now

recommended to Council, which subsequently has agreed, that a paper should be prepared each year setting out the Council's proposals for the ensuing year solely for the information and interest of members;

- 3) to record its pleasure that the staff were sufficiently interested not only to ask that they could be present at the Meeting but also to attend the meeting in their own time;
- 4) in considering Mr. Hall's comments on the lack of confidentiality of the ballot for Council and the order of candidates on the ballot paper, Council noted that voting papers should remain as now unopened upon receipt, that the box into which they were put and the envelopes themselves be opened only by the Scrutineers four days before the Annual General Meeting. Two lists of results would continue to be prepared; one an alphabetical list of those candidates who had been elected to Council which, in a sealed envelope, would be presented to the President and read to the Annual General Meeting upon being opened at that Meeting; the second list indicating the number of votes cast for each candidate to be handed (in a sealed envelope) to the Director and Secretary should it need to be referred to for any reason at a later date.

Council agreed that the Scrutineers be invited to meet the Finance and General Purposes Committees to discuss the points Mr. Hall had raised together with the matter of the future handling of the ballot. Mr. Hall met the Committees and finally agreed the following:

Statement by Mr. E. R. Hall

Mr. E. R. Hall, having seen the transcript of his remarks at the Annual General Meeting held on 27 April 1971, states that he had not meant to imply that the Ballot was not secret.

Statement by Council

Council would like members to note that every

effort is made to ensure that the Ballot is absolutely secret so much so that only the Scrutineers are authorized to open the Ballot papers on return to the Institute's office. The Scrutineers, having counted the votes cast, prepare two lists. One is arranged alphabetically so that in making the announcement of the elected candidates at the Annual General Meeting no inference can be drawn as to the number of votes cast for any one candidate in relation to another; a second list indicates the number of votes cast for each Member or Associate Member but this is kept in a sealed envelope and not opened unless there is need so to do. An occasion when this might happen is in the filling of a casual vacancy on the Council, when Council has traditionally selected for invitation to fill such a vacancy the candidate next in line to the last successful candidate.

- 5) Considering Mr. Hall's suggestion that officers should serve two terms, after commenting that the duties of the Chairman of Council, having had a year as Vice-Chairman during which he was a member of the C.E.I. Board, were onerous enough as they were, agreed to refer consideration of this item to the By-Laws Committee; the committee is now considering this suggestion as part of a current by-law review;
- 6) that the statement that the Annual Report and Accounts were available in the entrance hall at the Annual General Meeting had been incorrect, and the Director and Secretary had apologized for the fact that although they had been prepared, their distribution had been overlooked;
- 7) that Mr. Hall's suggestion that there should be a standing order for *Transactions* should be taken into consideration in preparing the report which was to be presented to Council after six months' operation of the new publications policy. This was done, and from 1 January 1972, *Transactions* will be available upon payment of £1.00 for one year.

Minutes of the Proceedings of the Extraordinary General Meeting 22 June 1971

An Extraordinary General Meeting of the Institute was held at the Memorial Building, 76 Mark Lane, London, EC3R 7JN, on Tuesday, 22 June 1971 at 1730.

The PRESIDENT, Mr. R. Munton, B.Sc., took the chair.

The CHAIRMAN, welcoming members to the Extraordinary General Meeting, said that there were no Minutes to approve as the Minutes of the last Annual General Meeting and also the Minutes of that night's meeting would be presented for approval at the next Annual General Meeting.

The Council of the Institute was concerned at the continuing inability to implement the By-Laws approved by members at the Annual General Meeting held on 29 April 1969. This had been explained in the March 1971 issue of *Marine Engineers Review*. The Council had, therefore, decided to invite the approval of members for an approach to be made to Her Majesty's Privy Council to set aside the full resolution approved by members at the Annual General Meeting on 29 April 1969, and to submit a shortened resolution limiting, for the time being, changes to those sections of the By-Laws not concerned with membership grades, titles and designatory letters.

The reason for this proposed course of action was that, if agreed by members and subsequently by Her Majesty's Privy

Council, it would allow those organizations to whom the Privy Council had referred the Institute's proposals on the subject of membership grades, titles and designatory letters, time for further detailed consideration. This was now required because of the interest which had been engendered by these proposals.

Treatment of the matter in this fashion would remove difficulties for the Institute by avoiding further delay in the implementation of other important By-Law changes referred to in the Explanatory Statement by the Council.

The Council wished to stress that the reference to £15 in the case of Members and corresponding references for other grades of membership were upper limits, designed to accommodate the present and expected effects of inflation over the next few years. Such upper limits avoided the necessity of referring to the Privy Council on each occasion that it might be considered necessary to increase the subscription rates. The Institute should run its own affairs without the necessity of frequent reference to the Privy Council. The figures were maxima within which the Council could propose increases as and when necessary. It would not mean an immediate increase, although in the present economic climate, the Institute's finances and objectives were constantly under review.

As was stated in the Annual Report, a budgeting system had been set up to examine the Institute's longer term position and, as had been stated by the immediate past-President at the Annual General Meeting in April, opportunities for the Institute

In this report the By-Laws referred to are both those existing and those in the resolution circulated to all corporate members in the notice convening the Extraordinary General Meeting.

were great but the financial margins were narrow. Given an enthusiasm for the task and a true identity of purpose shared by everyone, the days ahead could be faced with confidence. In his brief term of office so far, the President was sure that there was no lack of enthusiasm among the Council or the staff to run the affairs of the Institute to the best possible benefit of all members.

The reasons for other modifications to the By-Laws were listed in the Explanatory Statement issued with the Resolution. Many of the changes proposed were, in fact, in accord with those which were approved at the Annual Meeting in April 1969.

He would therefore ask members to accept the Council's advice to approve the resolution outlined in the paper before the meeting. It would, of course, be necessary as soon as practicable to amend those sections of the By-Laws not covered by the proposals, with particular reference to membership grades, nomenclature and designatory letters. As much notice as possible would be given to members of these (which would mean a further application to the Privy Council) and of the date when a meeting would be convened for their debate.

The resolution was:

"That, subject to such amendments, if any, as Her Majesty's Most Honourable Privy Council may propose and the Council may accept, the alterations contained in the document laid on the table and signed by the President, shall be made to the By-Laws of The Institute of Marine Engineers."

The President said that it gave him great pleasure to propose the adoption of the Resolution and to ask the Chairman of Council to second it.

The CHAIRMAN OF COUNCIL (Mr. W. McClimont, B.Sc.) had much pleasure in seconding the adoption of the Resolution as duly circulated to the members.

From the floor Mr. S. MATHEWS (Member) asked if members had come to discuss the resolution or to rubber-stamp it?

The CHAIRMAN replied that the proposal had now been duly proposed and seconded, and before it was put to the vote there would be opportunity to discuss it, to raise any questions. The meeting was opened for discussion on the resolution.

Mr. S. MATHEWS (Member) said that he was Principal Officer of the Department of Trade and Industry, Eastern England District, Hull. He had come 260 miles to state his views before these things were finally decided. He had had nothing to do with these amendments and was not on the Council at the time, but he had taken the trouble to go through the amendments and comment on them. For members present not carrying a copy of the existing By-Laws, he would try to help by making appropriate references.

By-Laws 30 (abc), 31, 32, 33, 34 all referred to increases in fees for members. These could only be calculated to operate against the recruitment of the Institute and also the continued membership. This was not idle talk as, only a week or so before, he had spoken to a director of a firm who, when he saw the £15, immediately indicated that he would resign from membership. Mr. Mathews was sure that he was speaking for many others. After all, there was an appeal from the Government to keep prices down, and he would have thought that there was some other way to deal with Institute finances without increasing fees as much as 75 per cent. He knew it might be necessary to increase them to some extent, but felt that the figures mentioned were, if anything, far too high.

By-Law 36 should not, in Mr. Mathews' opinion, be deleted and a similar concession should be retained. This was the privilege which a member had of being able to pay a sum and to have membership for the rest of his natural life, if he so wished. *By-Law 36* was designed to wipe this out, and he totally disagreed with it.

By-Laws 37 and 38 he agreed with.

By-Law 61(a) dealt with investment. It was not understood why it should have been necessary to have a "free part" and a "restricted part", as investment, when the subscriptions and revenue from the magazines should be sufficient to cover the day-to-day expenses of the Institute.

By-Law 61(b) and so on dealt with the investments of the Institute. It had not been intended that the Institute should dabble in stocks and shares, as one might lose money, and he

felt that it was better to have safe investments which might pay less.

By-Law 61(c) (1) also dealt with investments. There should have been no need for this procedure in order to make the Institute viable.

Regarding *By-Law 62*, Mr. Mathews thought that it should not be necessary to borrow money and to use the collateral of the Institute. If the sum borrowed were large enough, the Institute could become the property of a non-member.

Regarding *By-Law 67*, it was not agreed that the books and accounts should not be open to anyone who was a member. There was no reason why members should be prevented from perusing the books at any time. This was totally wrong and should be excluded.

By-Law 70 should not be deleted, as the affairs of the Institute should be vested as at present.

By-Law 71(a) and (b) should remain, except that there should be a brake on investments.

By-Law 72 should remain.

By-Law 73 should remain, and a limit be placed on any monies expended without authorization by the Council.

By-Law 74 should remain.

By-Laws 75 and 76 he had no objection to.

By-Laws 77, 78, 79 and 80 should remain, as they were written in the previous rules and should not be superseded by *By-Law 72*.

Mr. Mathews then read the existing *By-Laws 77, 78, 79 and 80*.

By-Law 77: "The Secretary of the Institute shall be appointed by the Council."

By-Law 78: "It shall be the duty of the Secretary, under the direction of the Council, to conduct the correspondence of the Institute; to attend Meetings of the Institute, and of the Council, and of Committees; to take minutes of the proceedings of such Meetings; to superintend the publication of such Papers as the Council may direct; to have charge of the Institute's premises and library; to direct the collection of subscriptions and the preparation of accounts. He shall also be responsible for all persons employed under him, and set them their portions of work and duties, and generally conduct the ordinary business of the Institute in accordance with the By-Laws and the directions of the Council."

By-Law 79: "An Assistant Secretary may be appointed by the Council."

Mr. Mathews said that he did not know why it was suggested that this rule be deleted, as it seemed to him to be very rational.

By-Law 80: "The engagement, remuneration and dismissal of all members of the Staff and Servants of the Institute shall be at the discretion of the Council." He did not see why that should be altered. It gave a person employed by the Institute a right of appeal which would not exist if it were not so.

By-Law 81 Mr. Mathews agreed with.

By-Law 82 should not be deleted, but should remain. It read: "The Council may at any time elect a Board of Advisers (whether members of the Institute or not) to consider and offer recommendations to the Council on such matters as may be submitted to them. The Board of Advisers shall elect their own Secretary." That seemed to be a very rational rule and should remain in the rules. He could not understand the thinking behind wanting it deleted, as there might be cases where it was very necessary to engage a body outside the Institute.

By-Laws 83-92 had had to be amended because of the proposed deletion from the rules. It would be necessary, of course, to number them accordingly.

By-Laws 93, 94, 95, he agreed with.

By-Law 96 he did not agree with. Regarding proof of posting, the only proof of posting was a date stamp affixed by the Post Office, and not by a firm's franking machine. It might be franked and not posted for several days, due to a lax posting clerk. That was different from putting a letter in a pillar-box, which was stamped by the Post Office.

By-Law 97 he agreed with.

It had not been possible to have these rules debated by the Committee of the Kingston-upon-Hull Committee. Therefore, these were his own personal views.

He felt that what he had said was worthy of consideration, and was only sorry that he had not been involved in the original conception of the amendments to the rules.

The CHAIRMAN said that if members agreed, it would be as well if answers were given to the individual comments as they arose, so as to avoid possible confusion.

Mr. Mathews' comments fell into two parts. First, there was the financial area and secondly there were a number of amendments which had been in the list of amendments approved at the Annual General Meeting in 1969, when there had been a very large body of representation present. He would ask Mr. Cook, as Honorary Treasurer, to deal with the financial aspects, and then perhaps the Chairman of Council could deal with the procedural points raised.

A MEMBER said that he endorsed everything Mr. Mathews had said.

The CHAIRMAN replied that there would be an opportunity to speak, but it was better to answer comments as they arose, so that no point was omitted.

The HONORARY TREASURER (Mr. R. Cook, M.Sc.) said that Mr. Mathews had covered a lot of ground in a very short time, so it was possible that all his questions would not be immediately answered. There were two points which stood out. The first was the raising of the subscriptions. The President had already pointed out that this step had been undertaken not because there had been any intention of raising subscriptions in the near future to the maxima suggested for the By-Laws, but because it was a wise precaution, when amending the By-Laws, to have them altered so that they would last a reasonable length of time. The present proposals should certainly see the Institute through five years at the present rate of inflation and (he stressed) with a margin to spare. Inflation at the moment was running at about 9 per cent per annum, and the Council had very carefully considered the finances for the next five years. This meant that they had looked not only at raising subscriptions. In effect, this had been a very small part of the exercise. They had also looked at expenditure very carefully. In his view the £15 maximum mentioned in the proposed By-Law was a reasonable figure with a reasonable margin of safety.

Another point which Mr. Mathews had made concerned investments. He believed that Mr. Mathews had made some remarks about it being undesirable for the Institute to become a speculator on the Stock Exchange. That was not the intention, and if one read the proposed By-Laws carefully it would be seen that speculation was more or less ruled out because of the character of the equity companies in which the Institute invested—they had had to pay dividends over a certain number of years, and had to have a certain capital, etc. Concerning investing in equities instead of gilts, the last few years had shown that if one wished to lose money, the best way was to put it into gilts and forget it. If one had invested in gilts over the last twenty years, and sat tight, the money would be worth half of what it was now. The only hope of keeping pace with even the modest rates of inflation appertaining up until a couple of years ago, before the recent rapid rise, was to invest money in equities, i.e. in the share of good, selected companies. If one looked at the statistics, it would seem that if this had been done twenty years ago, and if the investments had been wisely made and wisely spread, the rise would have counter-balanced inflation—or almost. Therefore it was considered wise to increase the proportion that could be invested in equities from 50 per cent to two-thirds. This was a step which had been taken by a number of organizations in the last few years, for similar reasons.

As to speculating on the Stock Exchange, everyone, if they were sensible, must save, and must therefore decide what to do with the money. It could not be kept in a sock! The best advice at the moment was to put a good proportion of one's money into equities rather than gilts. This did not mean that the Institute would immediately put two-thirds of its capital into equities, but that the Council had the power to do it if desirable. These were the two main points. Mr. Cook apologized if he had omitted any others.

Mr. MATHEWS said that if it was necessary to invest, how could an increase in subscriptions be justified? If the Institute was making money, why should they make more?

The HONORARY TREASURER replied that the Institute might be making money, in the sense that it had twice as much

as ten years ago, but it was worth half. The amount of the Institute investments was by no means large in relation to its capital assets. Other institutes had investments which were proportionally just as great, if not greater than our own.

The CHAIRMAN said that the Institute had quite a fair amount of investment which could be spent when subscriptions were due to be increased, but after that subscriptions really would go up. At the present time he thought that the subscriptions covered about 40 per cent of the costs of the Institute. Quite obviously, if the Institute got rid of that investment income by spending the investments, the subscriptions would then have to go up two and a half times in order to maintain the same standard of service. So the policy followed by the Council was one of wise investment, backed by the advice of investment advisers. It was not a question of a lot of amateurs on the Council trying to deal with the Institute's money. He supported the Treasurer by saying that the whole scheme had been very wisely carried out.

The CHAIRMAN OF THE COUNCIL said that he would not dwell on the financial aspect except to add this observation: it was usual commercial practice to look on financial reserves on the basis of the period for which they would carry an organization in the event of a cessation of income. This was normal prudence. It meant that as inflation occurred and the rate of expenditure increased, the amount of these reserves must be increased to maintain their effectiveness.

On the administrative By-Laws Mr. McClimont observed that with the exception of the present *By-Law 96*, all the present proposals were taken directly from the set of By-Laws approved at the Annual General Meeting in 1969.

The first in this category was *No. 67*, where he thought that Mr. Mathews' suggestion was that it should be left as it stood at present. As it stood, it was not a model of clarity. It said: "The books of accounts shall be kept at the head office of the Institute or at such other place or places as the Council shall think fit, and shall always be open to the inspection of members of the Council. The Council may impose reasonable restrictions as to the time at and manner in which the books and accounts of the Institute may be inspected by the members, and subject thereto such books and accounts shall be open to their inspection at all reasonable times during business hours." He had been told that any lawyer would take the intent of that as meaning "the members" in the sixth line as being the "members of the Council" referred to in the first part. It did not therefore make provision for members, other than members of Council, to examine the books, and thus the proposed wording did not alter the position.

The second point was that such books became increasingly computerized. If any member felt he could come along and understand what was on the tapes at any time, he would be sadly disappointed.

The next one of an administrative nature was *By-Law 70*. One comment which could immediately be made about this was that it stated a truism which, in his view, was already mentioned elsewhere, regarding the powers of the Council: that the financial affairs of the Institute should be managed by the Council. The rest of it, as stated in the existing By-Laws, about the Finance Committee being formed and how it was to be composed, seemed to tie the Council's hands. If they were capable of managing the Institute's affairs, surely they were capable of deciding financial policy? That had been the principal line of thought when this had been carried two years ago.

The next matter of an administrative nature was the group of *By-Laws 77/78/79/80* as they stood at the time. In the first instance, what had been done was to run *No. 77*, which was a one-line sentence, into *No. 78*, so this could be regarded essentially as editorial. Regarding *No. 78*, he thought that there was no significant change in the spelling out of either the authority or duties of the Secretary. On *By-Law 79*, he thought that once again this tied the hands of the Council unnecessarily. The structure of the Institute, which had changed and was changing, and the staff immediately below the Secretary might call for something other than an Assistant Secretary. This was a restriction on day-to-day running which served no useful purpose, and which restricted the Council in carrying out its mandate. Mr. McClimont considered that there was a conflict between *Nos. 78 and 80* as they stood at the moment. In *No. 78*, the duties of the Secretary were spelled out, and then it was specified

that the engagement, remuneration and dismissal of all staff should be at the discretion of the Council. This seemed to remove that normal authority which would be delegated to the Secretary in any commercial organization.

The next point to which exception had been taken was on the matter of notices. The present By-Law said that: "Any notice, if served by post, shall be deemed to have been served on the day following that on which the letter containing the same was put into the post . . ." As amended, this would be: "Any notice, if served by post, shall be deemed to have been served three days after the day following that on which the envelope containing the same was put into the post . . ." That merely took into account the current state of the post, and helped members in that, in order to arrive at 21 days' notice one must allow for the fact that it would be three days before the member would receive the notice. The present *By-Law 96* went on to say that: ". . . in proving such service it shall be sufficient to prove that such letter was properly addressed, stamped and posted." As amended it would read: ". . . in proving such service it shall be sufficient to prove that such an envelope was properly addressed, stamped and posted." There seemed to be no difficulty about this point, because the only effect of the change was to extend the time of transit through the post to three days.

Mr. E. R. HALL, B.Sc. (Associate Member) said that, before he talked about this motion, he would like to raise two points of order. 1) As an Associate Member, was he entitled to be at this meeting? The note, which he had received said that Members only might attend. He was not a Member, but an Associate Member. However, notices displayed around the walls showed the same phraseology.

He was glad that the statement usually made at meetings of this sort, that only people who had paid their subscriptions might vote had been omitted. He thought that everyone realized this. 2) At the Annual General Meeting he had raised the point of those not entitled to be present. If there was anyone who was not an Honorary Member, an Associate, a Companion, a Student, etc., on the platform, in the hall, or in the gallery, he asked for them to withdraw, or to be shown the door promptly, if not in any of these grades.

The CHAIRMAN said that there were people, not in the body of the hall, but in the gallery, to whom the proceedings of the meeting would have to be known: there was no question of secrecy. In their own time they were there, taking an extra interest in the meetings. They were not participating in the meeting, but were only in the gallery, listening to something that they would know at the end of the meeting, or the following day. If members wished he would ask them to withdraw, but he thought that members should be only too grateful that the staff were sufficiently interested to come along in their own time, after their day's work, to listen to what was going on to help them in their work for the Institute on the following day. All who thought that this was a very good thing, were asked to acknowledge. (*There was a show of hands overwhelmingly in favour.*)

Mr. HALL replied that if a By-Law could be bent like this, was there any reason why he should not smoke in the hall, as the By-Law said that the regions in which he might do so should be determined by the Council?

The CHAIRMAN said that this was something which had been duly proposed and seconded. Could it be restricted to a debate on this resolution?

Mr. HALL said that they had before them a resolution which was not quite the resolution described by the President in his opening remarks. If he remembered correctly, he had described it as a resolution to set aside the By-Laws previously approved at the Annual General Meeting two years ago, and to substitute the proposed resolution. If he understood correctly and this resolution was passed, the Council then had authority on two separate resolutions, varying in some aspects, and he would have thought that the intention ought to have been clearer in that respect. Was it the wish of the Council that this be treated as a resolution and a set of By-Laws to be taken *in toto* and not in part? Or should this resolution be accepted as it stood, or possibly amended in some parts that night?

The CHAIRMAN said that there were two points here. On the intention, he thought that he had made it clear in his open-

ingremarks that the amendments had been divided into two parts; one broadly dealing with membership and one dealing broadly with other matters. In the meantime it had been proposed to ask the Privy Council to put aside the full resolution approved in April 1969, to deal with the general matters, and having dealt with these it had been proposed, at a later date, that proposals would be put regarding the membership matters. With regard to the other section, it was in order to propose an amendment to the resolution. If properly proposed and seconded, it would be put to the meeting.

Mr. HALL said that members might remember that about two years ago he had opposed the resolution which had then been put up, on a number of points. He was pleased to notice that the present one did not make Council judge, jury and court of appeal, on the matter of a member being expelled. Possibly when they came round to the revised version, they might leave the member's right of appeal to his fellow-members at a general meeting.

He had listened with some interest to Mr. Mathews' contribution, particularly since when the last session on By-Laws had been held it had been stated that the By-Laws had been circulated round the country, to the branches, and had received enthusiastic support everywhere—if his memory was right. He agreed with quite a number of his points. He did not agree too closely with him on the question of increases in subscriptions, but did think that it would be wise to have some wording indicating that any increase in subscription should be decided by Council at a meeting convened for that purpose. He thought that this might overcome some of the worries of members. There had been some speech on that point, at the Annual General Meeting two years ago.

Equally, under *By-Law 36(b)* in the resolution, where it said: "Reduced annual subscriptions at a level to be laid down may be paid . . .", he felt that there should have been an indication that this was laid down by Council, and that it should not have been left open as to who was going to lay it down.

He did not agree with Mr. Mathews about the investment business. It might be remembered that two years ago he had expressed some surprise that the Institute had been too modest in its effort to put money into equities, and that the President had then assured him that the Institute had gone as far as the revenue allowed it to go.

With regard to *By-Law 67*, and the books and accounts, there had been some explanation, but he felt that if access was denied, then it might seem that there was something not quite as it should be, and it would be better for that reason, he believed, that a member—with his accountant, if necessary—should be able to have a look.

Beyond that, there was nothing of great importance, except with regard to *By-Law 76*. He hoped that that was the existing *By-Law 76*, where there was a restriction on who might give authority to use the Seal. Was that correct?

Mr. Hall said that he was going to oppose the motion to adopt the new resolution as a fact, but it was going to be somewhat difficult to frame amendments to try to get the resolution lined up with Mr. Mathews' ideas and his own—and possibly those of other people yet to come. He would have liked some guidance on how to handle it.

The CHAIRMAN thought that the only procedure in such a case was that specific amendments could be proposed, and if properly proposed and seconded, they could be put before the meeting, before the resolution itself was considered. If there was so much in the resolution that members felt that they could not support it without considerable amendment, then he thought that the only thing to be done, when the resolution was put to the vote, was to oppose it with heart and soul.

Mr. HALL said that he would confer with Mr. Mathews.

Mr. MATHEWS asked if it had been proposed that they accept the amendments?

The CHAIRMAN replied that this was not so and that the discussion was open. Voting against the proposals was the same as putting a proposal that they be rejected. It was not necessary to do this as there was an opportunity to vote against them.

Mr. T. A. PEREIRA, M.Sc. (Associate Member) said that his comments were confined to *By-Laws Nos. 30-35*. He was

concerned with the overall implications on the Institute if the large increase in membership fees were put into effect.

The proposed resolution had been submitted for approval to the meeting without, in his opinion, adequate information on which to make the decision. Therefore, fundamental questions such as "1) What were they trying to do? (i.e. what were the objective and the problems in the way of the objectives) 2) How were they trying to do it? (what were the courses of action to be followed among the alternatives available or considered) and 3) What was the span of time which was being considered?" did not appear to be dealt with in sufficient detail or clarity.

As the Institute must serve the needs of the membership and had to survive and to grow, and the problem in the way of the objectives was its present unhealthy financial state (whereby expenditure exceeded income), he would have liked to have seen a detailed analysis of the alternative courses of action being considered, before the choice was made on the particular course of action. Some of the alternative courses of action were:

- 1) Increased membership fees.
- 2) Streamlining the organization, thereby improving its efficiency and increasing its effectiveness; conduct cost-effectiveness exercise on the functions performed by the Institute and the services provided by it.
- 3) Exploring and exploiting potential opportunities which would bring financial rewards without the detriment to the standing of the Institute and to the purpose for which the Institute existed.

Increased membership fees always seemed to be a simple and quick solution to meet increasing costs; therefore, when the power was vested in the Council to increase fees, this power must be exercised with restraint and with consideration to the implications on the Institute. Some of the implications were the possible decrease in the size of membership (one could have some idea of this by conducting a random-sample survey among members), the reduced strength of the Institute (because size of membership reflected the strength of the Institute) and the consequent under-absorption of fixed costs of the Institute (because of decrease in numbers).

The annual accounts for the last three years were:

- 1967-68 (12 months) show a deficit of £900
- 1968-69 (12 months) show a deficit of £9609
- 1969-70 (9 months) show a deficit of £3000

Therefore, one could safely say that the Institute had fully surpassed the trend in increasing deficit shown in 1968-69. Would it be too optimistic to think that there would be a surplus by the end of 1970-71, if not earlier, and without an increase in membership fees?

Finally, in discussing long-term budgets; he would like the Institute to think or rather to draw up a long-range plan. A long-range plan, while including the budget, provided an overall picture of the implications of the courses of action to be implemented or not implemented.

He did not oppose this resolution from the Council; but would like and very much hoped for the future, to see the presentation of resolutions of such importance with adequate information and analysis of the alternative courses of action which were considered, and the likely or probable overall outcome of the proposed course of action.

The CHAIRMAN said that he thought that Mr. Cook had primarily dealt with the points raised, but there were one or two other things. He was, he said, a bird of passage, with the Institute for a year and then gone. But the members of Council were with the Institute for a considerable period before being thrown off, and had to wait a year before they could return. One of the most effective controls on raising subscriptions was that the Council themselves, and even the present President, had to pay them themselves.

He had only been in the office for a short time, but had tried his best to find what was going on. He had studied the forward planning and would assure the last speaker that all his points—cost-effectiveness, effect on membership, the necessity and reasons for expenditure—had been gone into very carefully, as far as was possible, and had been costed as far as was possible, in the present extreme lack of knowledge about which way inflation was going in the next few years. The unprecedented inflation over the last eighteen months had been a shock to everyone in business. But taking what seemed to be

reasonable estimates at the present time, in his mind the Council had done a reasonable job in forecasting for the future. He had had no concern with and no hand in that, and just wanted to put it forward.

CAPTAIN J. A. SMITH, D.S.C., V.R.D. (Member) spoke in favour of the resolution. He considered that the bulk of the resolution consisted of deletions and substitutions, etc., which were substantially the same as those approved at the Annual General Meeting of the Institute in 1969. To submit them again invited the re-opening of the subject which he was not prepared to do.

The items which were not starred appeared to him to be reasonable. The matter of subscriptions was one on which he had very strong views. In the past he had belonged to organizations now defunct which had attempted to provide something for members without demanding an adequate payment for what they did. The two mistakes which an organization could make were not demanding adequate payment and not delivering the goods. Captain Smith thought that the Institute served the members very well. The Council, in putting forward these By-Laws for submission to the Privy Council was, in fact, giving itself room to manoeuvre. He would support them.

Mr. P. F. DILNOT (Member) thought that an attempt should be made to decide what the purpose of the evening was: not to tear all these things apart but to get them through. He was in favour of all the amendments proposed, but it was easy to think of more brilliant ones when reading any amendments.

By-Law 36(b) regarding people who had retired said that they must satisfy the Council that they had retired, and it did seem possible that the magnitude of their reduced subscription should also be set by the Council. So, after the first line, he suggested that "... to be laid down by Council" was added.

In *No. 67* there seemed to be two things. The first was the suggestion that the majority of them could not read computer tapes. He agreed, but if they could not do so, as ordinary members, were they suggesting that the Council could? Surely there could be books? They should delete the word "not" in the last line, which would read: "... shall be open to any members of the Institute not being members of Council". He did not think that it meant that they would all rush up daily to inspect the books, but it did allow this if, as someone suggested, they felt that there was any "hanky panky" going on.

He would like *No. 80* to be reinstated. He knew the present Secretary very well and would not suggest for one moment that he was a dictator, but the rules were for a long time and they could have a situation where the Secretary could be at loggerheads with his staff. If that were to arise, although it was an unlikely situation, by putting back *By-Law 80* the staff could have the right of appeal to the Council.

The renumbered *By-Law 96*—which was *No. 87* now—prompted him to say that they must have a better mail system than he had, as his second-class mail did not reach him in three days—it was more like five. But with these minor comments, he was in general support of the resolution.

The CHAIRMAN asked if Mr. Dilnot was making any specific proposals regarding these amendments. Starting at the back, he thought that the new amendment with regard to the post was an improvement on what had been there before, as now members had an extra three days, instead of just the twenty-one days which they had had before.

With regard to the books of account, it sounded very nice to say that they should be open to any member of the Institute. It did indicate, if any member of the Institute wanted to do this, that he had no confidence in the Council who had been voted to do this, and it could be a nuisance having people coming in as there would have to be people there to explain the books to them. It was not a change in the rule, according to the legal interpretation, but just a clarification.

Mr. MATHEWS said that it was one way of reading that particular rule. One could read the original rule the other way round, which did permit the members to look at the books.

The CHAIRMAN replied that if a rule was ambiguous, it was better to clarify it rather than leave it ambiguous.

Mr. DILNOT added that it was even better to improve it. In *By-Law 36(b)*, the words "by the Council" were omitted after "laid down".

The CHAIRMAN answered that he would have thought if not given specifically to someone, the Council would have authority and it would be done by someone. But he would ask the Chairman of Council, who could speak about this better than he could.

The CHAIRMAN OF COUNCIL said that the intention here had been that these would be laid down by Council. One or two background remarks might be relevant. Firstly, it must be recognized that if one looked at the record of membership accession during the years, the rate at which the Institute had grown and the dates at which the members had come into the Institute, during the next few years there would be a very big increase in the number of members who had reached retiring age and who had served twenty years. This was already happening. The high rate of elections in the early fifties had led to this increase. One therefore had to look at a reasonable spreading of cost, to relieve some of the burden on both younger and older members, and to preserve a reasonable balance.

There were certain factors here which must be considered, and one was the net cost of providing *Transactions*, and what this might be at any time. One could project what one hoped it would be, in the long-range planning which had been done, but one must take the cost of such services into account in fixing this reduced subscription. If the budgeting proved to be accurate, this might in fact prove to be to the benefit of these older members, because we were aiming to reach a point when we hoped that *Transactions* might be self-financing. If we could reach that point, clearly in taking into account the costs to be set down for these reduced subscriptions, that would be a favourable factor.

Another factor to be taken into account here was that by remaining a member at a reduced subscription, rather than having to withdraw from membership because of the cost, a Corporate Member remained on the Register of Chartered Engineers. There was a capitation fee for each member of the Institute on that register, which had to be paid also in the case of the reduced annual subscriptions. This must be taken into account in fixing the reduced subscription rate. Therefore the Institute felt that it was desirable to modify this By-Law to give Council this authority, rather than to keep the previous one.

Mr. DILNOT said that his suggestion was that the Council should do that. He was not disagreeing with the reasons behind it, but would just like to clarify it by adding the words "by the Council".

The CHAIRMAN OF COUNCIL said that it might be possible to agree these proposals without amendments to them, but if other amendments were carried, he would be very happy to include this. He would think it a pity to bring this one in on its own.

The CHAIRMAN disagreed. He thought this was a point of simple clarification. If someone made a proposal that these words should be inserted, and it was seconded, that could be disposed of quite quickly.

Mr. DILNOT proposed:

That in *By-Law 36(b)* the words "by the Council" should come after the words "to be laid down".

(The proposition was formally seconded and was carried.)

The Chairman thanked Mr. Dilnot and said that he would insert this in the copy which he had to sign shortly.

Mr. DILNOT said that he did actually put forward three suggestions.

The CHAIRMAN asked if they could first deal with this one. This was obviously a helpful clarification. Mr. Dilnot had heard the explanation from the Chairman of Council. Did he want to propose any further amendments?

Mr. DILNOT accepted the explanation about *By-Law 96*. If three days was sufficient now, he would say that in five years' time it would be five days. He would like to propose the omission of the first "not" in *By-Law 67*, so that it now read: (Line 5) : . . . "Institute shall be open to any members of the Institute not being members of Council".

The CHAIRMAN asked if there were any other comments. He said that he thought it had been fully discussed. The Council were not in agreement with that amendment, but obviously some members were in favour. He would ask for a show of hands. *(There was a show of hands, five members being in favour of the amendment.)*

The CHAIRMAN said that the amendment was negated.

Mr. DILNOT said that the last point had been the reinstating of *By-Law 80*, which was the one about staff appointments, remuneration and dismissal being subject to the discretion of the Council and not just left with the Secretary as in the new *By-Law 72*.

The CHAIRMAN said that this did not say that they were not at the discretion of Council. It said—and I thought quite rightly—that there were areas where the Secretary had discretion and there were also areas where the Council exercised full authority at the present time. But obviously in some of the lower echelons it would be completely unnecessary, he would have thought, to bring every point before Council. If junior staff were engaged and found unnecessary, it seemed wrong for the Secretary to have to go to the Council saying "you have authorized me to engage someone and he is no use, so may I dismiss him?" But if Mr. Dilnot proposed a formal amendment, it would be considered by the meeting.

Mr. DILNOT said that following Mr. Munton's explanation, he would not propose one. It had not been his intention that every junior member of staff should be dealt with in this way. He thought that the explanation would satisfy the people in the gallery.

Mr. MATHEWS asked why was it deleted? There must have been some reason for putting it in, in the first place. The Council were here to act on behalf of members, and he did not think that it should be deleted.

He proposed this formally. *(His proposal was formally seconded.)*

The CHAIRMAN said that he was only speaking because he thought that the Council would want him to do so. This was now a pretty large business. Whereas fifty years ago one would have expected the Council to take charge of the very small affairs, now with the size of the Institute and the quality of staff that was appointed, if one were to say that the Council were to interfere, right down to the bottom, he would think it wrong. That was his comment: was there anyone else who had some comments?

A MEMBER asked what the line of delineation was between those employees looked after by the Council and those by the Secretary?

The CHAIRMAN replied that he did not think there was any hard and fast delineation: it could change as the Council thought fit. There was nothing hard and fast laid down anywhere in the Council's workings which said that "below this line you, as Secretary, would have the right to appoint and dismiss". As a matter of courtesy, the Secretary would report anything he was doing in this area, and the Council would be given the opportunity to comment as they so wished.

There was a proposal for the reinstatement of that clause, which he put to the meeting.

(Following a show of hands, the amendment was negated.)

The CHAIRMAN asked if there were any other specific amendments? If not, he would put the resolution. It had been duly proposed and seconded, but so that there was no dubiety he would read it out and would say that he had a copy of the proposals and amendments to which, if this was carried, he would put his signature. The resolutions now before the Institute was:

"That, subject to such amendments, if any, as Her Majesty's Most Honourable Privy Council may propose and the Council may accept, the alterations contained in the document laid on the table and signed by the President, shall be made to the By-Laws of The Institute of Marine Engineers".

The CHAIRMAN continued by saying that he would sign the resolution, and then the members would vote. It was then signed by the President. Those in favour raised their hands. Those against raised theirs. *The resolution was duly carried.*

The CHAIRMAN then asked if there was any other business which anyone wanted to raise before the meeting closed. *(There was no other business.)* He then thanked the meeting for coming along and giving its time to this very necessary thing—even though not so interesting as a paper being read. He wished them all a very good evening.

(The proceedings then terminated)

Minutes of Proceedings of the Thirty-Seventh Annual General Meeting of the Institute of Marine Engineers Guild of Benevolence

The Thirty-Seventh Annual General Meeting of the Institute of Marine Engineers Guild of Benevolence was held at the Memorial Building, 76 Mark Lane, London, EC3R 7JN, on Tuesday, 27 April 1971 at 1600.

Mr. R. R. Strachan (Chairman of the Guild) took the chair.

The Minutes of the preceding Annual General Meeting, having been circulated, were taken as read and signed as a correct record.

Chairman's introductory remarks

The CHAIRMAN welcomed all those present.

Presentation of Annual Report by the Director and Secretary

Mr. J. STUART ROBINSON, M.A., Director and Secretary, said that since the date of the last Report there had been eleven Committee Meetings.

The Committee had received, with deep regret, the news of the untimely death of Mr. D. Timpson and wished to record their appreciation for his valuable services to the Guild.

Mr. H. Armstrong had resigned from the Committee during the year on moving to the West Country. The Committee wished to record both their appreciation for his services to the Guild and their best wishes for his future.

The number of members of the Institute subscribing to the Guild continued to increase, as did the number giving donations. During the year five Life Members were elected and 20 members effected covenants in favour of the Guild. The Committee were particularly grateful to those Branches of the Institute which regularly contributed to Guild Funds.

In 42 cases relief was continued from 1969. During the year 18 new applications were received, of which assistance was able to be granted to eight.

A total of £984 was donated to Guild Funds as a result of the Annual Charity Ball organized by the Social Events Committee of the Institute. The Committee were very thankful for the continued support of all those who contributed in many varied ways to the undoubted success of the ball each year.

The Representatives of the Guild in each Branch of the Institute had continued to maintain their personal contact with those persons receiving assistance which was so vital to the Committee in helping it to decide upon the most suitable form of help in individual circumstances.

The formation of IMEG (Benevolent) Limited had enabled the sales of ties and blazer badges to be greatly increased and had facilitated the introduction of shields and Christmas cards. Further products were under consideration. The profits of the company in the twelve months to 31 March 1971 amounted to £431.

Mrs. I. Ayers had continued as Matron of the Guild House during the year. The residents appeared to be particularly contented under her care. Various improvements had been made to the amenities of the Guild House, including the installation of a new oil-fired boiler.

As a means of widening the scope of the Guild in the care of certain types of residential cases needing specialized care, the Committee decided during the year to join the Crossways Trust. The Guild now had available a bed in one of the Trust's homes for use as required. The loan to Crossways Trust to finance the Guild's bed bore a small interest rate.

Presentation of Annual Financial Statement by the Honorary Treasurer

Mr. R. COOK, M.Sc. (Honorary Treasurer) referred firstly to the Revenue Account for the year as set out. This showed an excess of expenditure over income—in other words, a deficit—of £15 as compared with a deficit of £942 last year.

It would be seen that there had been substantial increases in members' contributions—about 25 per cent. There had also been an increase in interest and dividends of about the same order. Relief distributions had fallen slightly but the deficit on the two Guild House Accounts had increased from approximately £3500 to approximately £4500—an increase of just over £1000.

There had been an increase in administrative expenses from £387 to £614. This was perhaps more apparent than real, because it included certain items which were non-recurring, such as printing and stationery, which varied from year to year, as the costs of the stationery, for example, were written off as soon as the purchases were made.

It would also be seen that the Capital Accounts had increased by approximately £9300. This represented about 8½ per cent and was very gratifying for one year.

Investments at Cost had increased over the year by approximately £2700.

The CHAIRMAN invited questions on the two reports.

Mr. H. E. UPTON, O.B.E. (Member) said that it gave him very great pleasure to propose the adoption of the Annual Report and Financial Statement.

Mr. J. M. MEES (Associate), in seconding the proposal, said that it was refreshing to read a report which indicated good financial health and a cheerful outlook for the future. It was a sobering thought, however, that if all the members of the Institute were to contribute 50p, the total contribution would be increased tenfold. On the other hand, whereas the expenses had inevitably risen in these days of inflation, the income from the investments (which had been very ably handled and from the three main sources), the contributions from members, the donations, and the profits of the Charity Ball, had increased to such an extent that the deficit on the Revenue Account was negligible.

He had great pleasure, therefore, in seconding the motion. *The Annual Report and Financial Statement were adopted.*

Election of members of the Committee for the Session 1971/72

The CHAIRMAN said that a number of members were due for retirement under Rule 7(d) and were again nominated for election under Rule 7(e). They had all signified their willingness to serve. Up to now there had been no other nominations received. The following were therefore duly elected:

W. J. Brown,	W. A. Cormack,
E. Carlton-Garratt,	R. R. Strachan, C.B.E.

Other business

Mr. A. FOWLER (Member) said that it gave him great pleasure to propose a vote of thanks to the Committee and to the staff for their excellent work over the past year.

Mr. A. LOGAN, O.B.E. (Member), in seconding the motion, said that he had read the report of the Guild's activities during the past year with great interest. As a Guild member he congratulated the Committee on a job well done. He felt sure that the Committee members themselves must get great satisfaction from the fact that they were helping those of the cloth and their dependents less fortunate than themselves. The Guild was greatly in their debt for giving up so much of their time. He hoped they would carry on with the good work. It was with very great pleasure that he seconded the vote of thanks.

The CHAIRMAN, responding on behalf of the Committee, said that it was a pleasure to receive the thanks of the meeting for their efforts. Throughout the year the Committee had examined all the cases very carefully and there had been a very good attendance at every meeting. A lively interest had been taken in the Guild House. He had been down at least once a month to see how the residents were faring under their very able Matron. They were indeed very lucky in having Mrs. Ayers as Matron. The only problem would be in finding a replacement for her during the holiday periods.

It was gratifying that a number of people had left a legacy or sum of money in their will to the Guild as a token of thanks for the help they had received in the past.

This was his second year as Chairman and he had found it of tremendous interest, as had the Committee, who all took great pleasure in the work.

He could not properly close the meeting without thanking the staff.

Date of next Annual General Meeting

The CHAIRMAN announced that the next Annual General Meeting would, as was customary, precede the Institute's A.G.M. in 1972.

He thanked members for their attendance and the meeting ended at 1620.