



THE HOSPITAL ENGINEER

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President :

H. A. SANDFORD, Esq., M.A., F.G.S., M.I.Mech.E.,
M.I.E.E., M.I.H.V.E., M.Cons.E.

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CONFIDENTIAL BULLETIN FOR THE USE OF MEMBERS.

*The Institution as a body is not responsible for the statements
made or opinions expressed herein.*

Hon. Editor—R. G. ROGERS, LANGSTONE CLIFF LODGE, DAWLISH
WARREN, DAWLISH, DEVON.

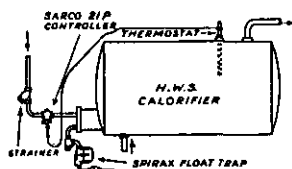


Hon. General Secretary—H. S. CLARKE, 14 THE VILLAS, ST. MARY'S
HOSPITAL, STANNINGTON, MORPETH, NORTHUMBERLAND.

NON - ELECTRIC

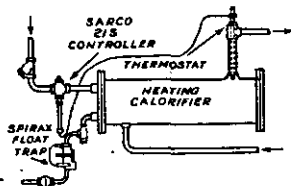
THERMOSTATIC

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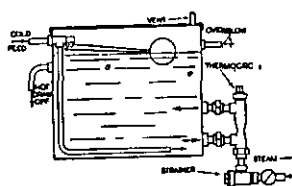
Sarco Temperature Controller giving on/off control on a hot-water storage calorifier.

1



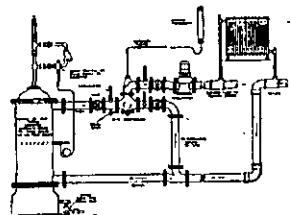
Sarco Temperature Controller giving gradual control on a non-storage heating calorifier.

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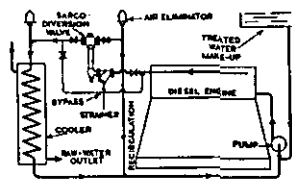
Sarco "Thermocirc" water-heater/temperature-regulator on small hot-water storage tank.

3



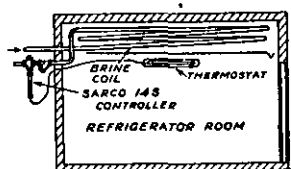
Sarco "E.T.O." Controller for advance control on accelerated hot-water heating systems.

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Sarco 3-way Diversion Valve giving automatic control of Diesel engine cooling water temperature.

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Sarco Temperature Controller with reverse acting valve controlling brine-refrigeration room.

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THE INSTITUTION OF HOSPITAL ENGINEERS

Minutes of Council Meeting held at the Grand Hotel, Bournemouth, on Friday, August 31st, 1951.

Present : The Lord Calverley (President), Mr. J. Tomlinson (Chairman), Mr. J. Forsyth (Vice-Chairman), Messrs. G. Jones (Treasurer), M. Gray, E. Heald, C. W. Oliver, R. H. Smith, A. M. Bain, J. Green, V. Riley, A. J. Templeman, F. H. Mills, J. W. Brodie, L. Hunt, J. C. Chynoweth, J. H. Hargreaves, R. H. Chesney, G. A. Hunter, J. Strachan, H. A. Adams, H. E. Clutterbuck, J. D. Lewis, A. Macgregor, F. J. Tivey, R. G. Rogers, H. Wright, J. Richardson, H. S. Clarke (Hon. General Secretary).

Mr. J. Tomlinson (Chairman) opened the meeting at 2.15 p.m. and the Hon. Secretary reported apologies of absence from Messrs. R. E. Rogers, W. F. Graham and H. F. Dolling. Mr. C. W. Cummings (Vice-President) apologised for his inability to be present at the Annual General Meeting.

The minutes of the meeting held at Leeds on 2nd June, 1951, were approved and, with the alteration on page two, were signed by the Chairman.

Arising out of the minutes, the Hon. Secretary reported receipt of a reply from the Ulster Public Officers Association, with reference to a suggestion of a link-up with our members in Northern Ireland. After discussion, it was resolved that no action be taken, but the Chairman informed the meeting that he may be going to Northern Ireland in the near future and would make personal contact with the U.P.O.A.

At this stage the President, Lord Calverley, addressed the Council, and after welcoming the members, said as the meeting was a business one he would reserve his chief points for the Annual General Meeting on the morrow, when he hoped the Press representatives would be present. He referred to the situation in Northern Ireland and expressed the hope that he would be able to influence members of the Northern Ireland House in the situation as it affected our members. Lord Calverley also referred to his retirement from the office of President and expressed the desire to serve the Institution in whatever way he could. He made very special reference to the Institution's desire to improve the status of Hospital Engineers, and the standard of Hospital Engineering he hoped would always pursue this admirable course.

The Chairman thanked Lord Calverley for all his interest and efforts on our behalf.

Correspondence. The Hon. Secretary reported on the forthcoming official visit to the Engineering, Marine and Welding Exhibition on Monday, 3rd September, and informed the meeting that the organizers had gone to great lengths to make our visit successful. Mr. Sandford, Vice-President, had been made a Patron of the Exhibition.

On notification of the deaths of Mr. D. Williams, No. 558, and Mr. A. M. Hussell, No. 813, the members stood in silence as a token of respect.

Notification from Mr. R. H. Smith of a branch meeting at Perth, Scotland, on the 9th June, 1951, when it was proposed that a branch be formed at Perth to facilitate attendances of members now in the Glasgow Branch, who have considerable distances to travel, and to promote increase of membership. Mr. MacKenzie had been nominated as Branch Secretary.

The matter was discussed at great length in the light of the proposal for economy, and many points were cleared up with regard to the qualification of increasing the number of branches.

It was proposed and seconded that this formation be approved and affiliated to the parent branch at Glasgow. There were 22 votes for and 3 against.

Mr. V. Riley notified the meeting that he had accepted the office of Branch Secretary to the South Wales Branch, on the resignation of Mr. Owen.

A letter from Mr. W. C. Thomas, of Langho Colony, asking for information regarding Whitley Council's discussions on Local Authority Hospitals. The Chairman, in the absence of Mr. R. E. Rogers, informed the meeting that a decision had now been reached and information would soon be in the hands of all H.M.C.'s.

British Standards Institution having increased the annual subscription from three to five guineas, it was agreed that the Treasurer forward a cheque for two guineas and bring our subscriptions up to date.

Applications for membership and upgrading were approved as follows :—

Members	....	....	....	....	....	4
Graduates	....	....	....	....	....	1

Mr. J. Bolton, No. 339, transferred to Full Membership.

Mr. J. G. Herrett, No. 690, transferred to Full Membership.

Mr. H. Whitehead, No. 806, transferred to Full Membership.

One application returned to the branch for further information.

Education Sub-committee Report. Mr. J. Strachan informed the meeting that he was awaiting the list of Graduates, having arranged for the next examination.

The report was approved.

Sandford Premium. The Chairman reported on the applications received for the Premium competition. Eight applications had been received, all of a high standard, but regretted the small entry for such a good prize. Mr. Sandford would judge the papers and the result would be announced at the Annual General Meeting the following day. Suggestions were made that all identification be removed from the papers, that all papers be typewritten, and that the examination should be held earlier to enable the prizewinners to attend the Annual General Meeting.

The report was approved.

All members had received a copy of the financial report which was presented by the Treasurer. After various questions had been answered regarding branch expenses and Council expenses, the report was approved.

Mr. C. W. Oliver reported on the financial state of the Benevolent Fund, and regretted that members were very lax in paying the subscriptions. He reported a membership of 331, and said he was awaiting the granting of Incorporation before the Trust Deed could be put into being.

The report was approved.

The Hon. Secretary reported on the outstanding subscriptions and asked for the members to bring this matter to the notice of their branch members. All those in arrears would receive notice of arrears by the end of September.

Proposed Paid Secretary. All members had received a copy of the advertisement as inserted in the *Daily Telegraph*, *Yorkshire Post* and *Manchester Guardian*, and a report of the sub-committee meeting held on 12th August, when an estimated cost of appointing was agreed upon. This is a very great decision to make in our history, and a great amount of discussion ensued, many points were made and suggestions argued for and against, and it was finally proposed by Mr. J. H. Hargreaves, seconded by Mr. J. Forsyth, that the resolution be placed before the Annual General Meeting tomorrow, that we appoint a Paid Secretary, and that having given their approval, they agree that between this Annual General Meeting and the next, the Council have authority to appoint a person, either full- or part-time, and the Annual General Meeting has empowered its Council to take this action. The vote was unanimous.

It was agreed to put the resolution in this form to the Annual General Meeting.

British Standards Institution. Mr. J. Forsyth, supported by Messrs. Tomlinson, Chesney and Oliver, reported on the excellent work being done by this Institution and of the high standing in which our Institution is held by the members of the various committees on which we are represented. Special reference was made of booklet No. 1765, *Bedside Lockers*, and No. 1694, *Children's Cots*, and suggestions made that members take steps to purchase.

The report was approved.

Arrangements for the Annual General Meeting. The special guests, including the Minister of Health and the Mayor and Mayoress of Bournemouth, and the Chairman of the South-West Regional Board, were reported as coming to the Luncheon. Arrangements for the Luncheon and Annual General Meeting were finally decided, and the Chairman informed the Council that a small special dinner had been arranged in honour of the visit of H.M. Minister of Health, which would be held immediately following the Annual General Meeting, and this was unanimously agreed.

The Chairman thanked Mr. Forsyth and Mr. Tivey, Chairman and Secretary of the Southern Branch, who had arranged the Annual Meeting.

Resolutions from the Branches. On a resolution from the Lancashire Branch "that Mr. J. H. Hargreaves be made a 'life member' of the Institution in recognition of his great work," this was heartily supported from the Chair, but Mr. Hargreaves here intervened and thanked the Lancashire Branch for the kind gesture, but said that he wished to refuse, as one never knew where suggestions as this would end. He thanked the Lancashire Branch in particular and the Council in general, but preferred not to accept. Many members made suitable reference to Mr. Hargreaves' work and the matter closed with thanks of appreciation from the Chairman.

A resolution from the East Midlands Branch *re* the appointment of a paid secretary was withdrawn by Mr. J. Green, having regard to the matter being previously discussed and sent to the Annual General Meeting.

Another resolution from the East Midlands Branch asking that the initials M.I.H.E. should be used by our members when signing letters relating to I.H.E. matters, etc., and instruction be given by Council to do so, brought forth the views that the liberty is there to use, but until incorporation is received, the use of such letters is without value.

Whitley Council. In the absence of Mr. R. E. Rogers (on Whitley Council business), Mr. J. Tomlinson (Chairman) gave a full resume of the various committees' work over the last three

months, and asked that in view of our commitments to the Whitley Council members should not publish or write down the information given. Matters given attention by the Chairman were :—

Increase in Salaries (cost of living 14%).

Group Engineers in line with other Officers.

Committee F. Regional Engineers.

Local Authority Hospitals (part user).

Mental Hospitals (Group Engineers—Engineer-in-Charge?).

Teaching Hospitals.

Clerks of Works.

Mr. R. E. Rogers would be at the Annual General Meeting when he fully expected he would report on the whole question up to date.

The report was approved.

Regrets were expressed in the very lackadaisical manner in which certain engineers treat matters pertaining to their appointments, etc., when information is being sought for tabulation necessary for Whitley Council deliberations.

Mr. R. G. Rogers reported on the work of Incorporation and read correspondence received during the present week, which assured us that the Board of Trade have the matter under active consideration, and was awaiting the comments of other kindred bodies who are studying the examination syllabus, etc.

The report was approved.

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Books of Rules. New books will be printed as soon as Incorporation is granted by the Board of Trade.

Branches are requested to supply Mr. Rogers with a copy of their Branch minutes and other matters for publication in the HOSPITAL ENGINEER. This is your Journal, please support it.

Vacancies. Would Branch Secretaries who desire copies of vacancies please write to Mr. Rogers and ask that all vacancies supplied to him be sent on to them.

Mr. R. G. Rogers,

Langstone Cliff Lodge,

Dawlish Warren, Devon.

The Chairman asked for and received wholeheartedly the support of Council for the action he has taken in the matter of an appeal which had succeeded on behalf of a member of the Yorkshire Branch.

Scottish Appeals. The Chairman informed the meeting of the progress made in preparing the cases of appeals, and stressed the great importance of members supplying every detail of their appointment, in writing, particularly with regard to official correspondence, terms of appointments, etc. Absolutely every detail possible must be sent, and in no case is it possible to pursue cases at appeals level unless we have a water-tight case with all relevant information.

It was agreed that the next meeting of Council be held in London on the first Saturday in December, 1951.

The meeting closed at 9.30 p.m., with thanks to the Chairman.

Our Annual Conference, which this year was held at the Grand Hotel, Bournemouth, on Friday and Saturday, August 31st and September 1st, was most successful, both from the business and social aspects, as in addition to our President, Lord Calverley, and Lady Calverley being with us, we were honoured with the presence of the Minister of Health, the Rt. Hon. Hilary Marquand, M.P., who had kindly accepted our invitation to attend. The Minister was very interested in all matters with which our Institution is concerned and we feel that the many questions he asked regarding our problems as Engineers, together with the information given to him, will prove of great assistance in the future. We are, indeed, most grateful to him for attending our conference and particularly for the sympathetic and kindly hearing he gave us.

Members, their wives and friends, from all parts of Great Britain and Northern Ireland, commenced to arrive in Bournemouth on Thursday and Friday, and it is regrettable that all business—official and otherwise—conducted within the discussion groups which rapidly formed as each new contingent arrived, could not be reported here. We are quite sure that had it been possible, this page would provide much brighter reading. It is, indeed, good to meet our friends and colleagues of the Institution, many of whom we have not seen since the last Annual Conference at Harrogate, and talk over our problems and all the many things so dear to the heart of the Engineer. It is a pity our Conference proper is one day only as, although the Sub-Committees and Council meet the day prior to the Annual Conference, the real get-together of all the members is on the one day only and we are quite sure that, given the opportunity, many would avail themselves of two days at least. This is a matter to which we might give serious thought and make suggestions for the next Annual Conference which will be held at Morecambe in 1952.

Our proceedings on Saturday commenced with a reception, when members, wives and friends were formally presented to our President, Lord Calverley, and Lady Calverley ; the Minister of Health, the Rt. Hon. Hilary Marquand, M.P. ; and our Chairman and his wife, Mr. and Mrs. J. Tomlinson.

The guests included the Mayor and Mayoress of Bournemouth, Councillor and Mrs. F. J. McInnes ; Colonel Chieveley Williams, Chairman of the Western Area Committee, S.W. Metropolitan Regional Hospital Board ; Mr. S. E. Vincent, Regional Engineer S.W. Met. R.H.B., and Mrs. Vincent ; Mr. Moore, Chairman No. 21 Group, R.H.B., and Miss Moore ; in addition we had with us our President Elect and his wife, Mr. and Mrs. H. A. Sandford ; and Vice-Presidents, Mr. R. E. Rogers, Mr. R. G. Rogers, Mr. G. Jones and Mr. J. H. Hargreaves.

What a delightful ceremony the reception was, and by the time Luncheon was announced we are quite sure we all knew each other and many had listened to that inimitable story-teller " R.G." telling his " latest."

A splendid luncheon had been arranged and as the guests took their seats, bouquets were presented to Lady Calverley and the Mayoress of Bournemouth.

ANNUAL LUNCHEON

Immediately following the Luncheon, THE MAYOR, COUNCILLOR F. J. MCINNES, welcomed the Institution to Bournemouth. He said, I find myself in a most unusual position this afternoon, because of course it is usual that when a Mayor is at a function like this, he should be formally replying to the stereotyped toast, " The County Borough of Bournemouth." I am particularly pleased that I have not to do that today because it is a breakaway from tradition. I am pleased that this is the first Association to enable me to break away—obviously it is not one of those functions of which one gets a little tired.

My pleasure this afternoon, as Mayor of Bournemouth, is to have the very great pleasure indeed in extending to you a very sincere and warm welcome to our town. I believe this is the first time you have been to Bournemouth and I am sure that if and when you decide to return to Bournemouth you will receive from the Bournemouth Corporation every help possible.

Here there is one particular thing I would like to mention which is most unusual and on which I must compliment the Association (I do not like the word Institution). Normally in a town like Bournemouth we receive quite a number of requests for

Conferences and, may I say this, we naturally go out of our way so far as we possibly can, to welcome all Conferences which are held in our town. I realise that from many points of view, this is great publicity. Here, we have something most unusual—we have a Conference that has not even asked Bournemouth Corporation for any Civic recognition whatsoever. I had a request some considerable time ago to attend your Luncheon and I naturally said "Yes." I thought I would find my name right at the top of the bill—instead of that it is not there at all. But, shall I tell you this, it gives me a lot of pleasure because I have been able to come along here as an ordinary individual and enjoy your lunch and hospitality.

May I remind you that if and when you decide to come back to Bournemouth you should write and ask for Civic recognition—it may well be that we will pay for your lunch! I, as Mayor of Bournemouth, would have been very pleased to have had an opportunity of entertaining you.

To give you a little idea of what a Mayor has to cope with, only yesterday I had a request to arrange a meeting—sixteen in the Mayor's Parlour to entertain to cocktails, afterwards to lunch, and after that to entertain them to tea!

I am particularly grateful to you for extending your invitation to the Mayoress and myself.

I have just learnt that your Association is quite young—formed in 1943, when the membership was approximately 40, and it is now 900. I think that speaks volumes for the aims and achievements of your Association.

Whatever your deliberations may be during your Conference, I do know that you do not want any long speeches. Whatever you decide will be in the interests of those unfortunate people who have to go to hospital for one reason or another.

Mr. Chairman, My Lord President, Rt. Hon. Sir, Ladies and Gentlemen—I would like you all to know it gives me very great pleasure indeed to have been with you this afternoon. I hope your Conference will be a great success, and if and when you return to Bournemouth you will be given all the facilities possible by the Bournemouth Corporation.

The toast "Our Guests" was proposed by our PRESIDENT, THE LORD CALVERLEY OF BRADFORD, D.L., J.P., who said, It is my great and pleasant duty to propose the toast of the Guests, and I do so most warmly and heartily. If you will permit me to say so, Mr. Mayor, your welcome has been so sincere, so cordial and so warm. I have listened to many civic speeches throughout the country, but yours has been original, because we have been original, and I believe we have been of some use to you in this respect.

We are glad to come to Bournemouth, the home of the Refugees—so long as they pay their bills. It was in your town, and future generations will know about it, that a Charter was signed by a section of the community—may I mention what part of the community they were—it was the Labour Party, and they signed a Charter that if Winston Churchill became Prime Minister the Labour Party would give him whole-hearted and unstinted support, and if he asked them to perform a service they would do so.

I remember one man coming to me, if you will allow me, Ernest Bevin, saying, "George, Winston has asked me to join the Cabinet, and I said to him, 'Mr. Prime Minister, what position do you wish me to occupy?'" Mr. Bevin had not even a seat in Parliament: "I want you to be my Labour Minister." Mr. Bevin replied, "I accept and I have the knowledge that nobody will be jealous of me or want my job," and he was right.

I mention this in passing.

I would like to stress that besides "refugees" you have borne with "displaced persons." I have been a displaced person myself, because I did not get enough votes to get into Parliament, and a very dear old friend of mine was displaced—Brendan Bracken—and you took him in and have done for him ever since. And so we are glad to come to Bournemouth and meet your fellow citizens.

I have been here now a week and have made many friends, but had I known about the Mayor of Bournemouth I should have been in his Parlour—I should have been at the early doors because the Mayoress has found out I like good cigars, but I would have gone to be entertained, even with Woodbines!

I am talking about our guests—I have great regard for the Alderman of that great city and county of Southampton, there are others known and unknown, also the Ladies are our guests, and we have got to be nice to them! How fitting it is that we should be meeting in Bournemouth, whose motto is "Health and Beauty," and that the Minister of Health is going to reply to the toast.

Beauty goes along with health, and if you are in lovely surroundings this is far better than National Insurance pills!

With regard to the Hospital Engineer, he is a person you hardly every see—he is one of those "back room boys." Whenever I go into a hospital I go downstairs into the cellar and see the back room boys improvising, using their powers of initiative and imagination, and I think we should thank these Hospital Engineers of Great Britain and Northern Ireland, and I particularly mention Northern Ireland, for providing these essentials, vital essentials.

Coming down we stopped at a tiny little village outside your beautiful town—there was a lady, and I asked to see her baby and how old he was. "He is six months, but really he should only be four months old, as he was a premature baby." Owing to the apparatus in your hospital in this region he was given special treatment and it made me think of the words—"Even as you have done this unto the least of these, my children, you have done it unto me." This is where you get the co-operation of Nurses and Hospital Staff.

Thus I am proud to be the first President of this Institution but not the last.

My mind goes back to the first World War—it was a cold November night in Flanders. Inside was a beautiful fire. In comes the young Subaltern and, seeing a man sitting holding his shirt in front of the fire, he says, "Are you drying your shirt, my man?" The man replied, "No, I am toasting the visitors!"

And now, you must get down to work, so I will ask the Members of the Institution to get up and drink right heartily to the health of Mr. Mayor, the Minister and other guests.

THE RT. HON. H. MARQUAND, M.P., MINISTER OF HEALTH, in his reply said,

Mr. Chairman, Your Worship, Lord Calverley, Ladies and Gentlemen,

Had Lord Calverley said no more than the last story he gave us it would have been very difficult indeed for me to have responded.

I do not mind responding on behalf of health because I think we can all take a pride in the health of the nation at this time. We all know, and statistics tell us, that our health is steadily improving.

There are more children born who survive than in past years. Also the mothers have a better chance of survival than they did before, and we all know that we all have a much better chance of living longer than our fathers and grandfathers before us.

These are the three vital statistics which we must all keep before us—what chance of survival a baby has, what chance his mother has and what chance we have ourselves to live and enjoy a happy and glorious old age.

We are glad also that we care for our old people today and that we do all we can to make their retirement and life in old age a pleasant and happy one.

As for replying on behalf of beauty, I take no responsibility in replying on behalf of the ladies; they speak for themselves.

I did have some misgiving when the Mayor was speaking, as he said that if his name had been at the top of the list he would have paid for the lunch! Now, my name is at the top of the list and I want to make it quite clear that I am not paying for the lunch!

I am happy to pay your salaries and I hope you get them punctually, though there is a little matter of the Whitley Council machinery to come through.

I am very glad to be here today and to take part in this obviously happy conference. It is not the first time I have been to Bournemouth. I was first here when I was a boy of 11.

I am reminded today of my visit to Bournemouth during the War. I was then with the Board of Trade. We were bombed out and had to come to Bournemouth. The particular job of the section in which I was working at that time was dealing with the consumer goods industries—Hosiery, Textiles, Furs, Jewellery, etc. Trades making goods for the Home market, and I am afraid we did not give them much of a time, as our job was to reduce them so that they did not make too much, cutting down to release labour and materials for the War effort.

When we had been here a little while we found that we had not got all the information we really required about the number of people in these industries and other information, and so we set to work to create a statistical department and we drew up some forms and sent these forms out all over the country. We sent these out the best of our ability with the inadequate facilities that were available and one day we got a letter back saying, "Dear Sir, I am only a poor bombed-out furrier, but you have sent me a form all about jewellery. Is jewellery a good thing to go into? If so and there is a chance of changing, please let me know all about it. How is the weather down at Bournemouth? It is lousy here. Yours faithfully." If that man came here today I do not know what adjective he would use! I am sorry because I hear that the Regatta is going to be postponed. (Raining.)

I have asked Mr. Tomlinson if I can dispense with the more serious remarks at the Luncheon and make them at the Conference. It is all very well to clap, but you are going to have those remarks.

Now I am just going to say thank you very much on behalf of my fellow guests and myself for the grand way you have received us, the generous hospitality you have given us. I wish this Association well and may the Branches flourish, I wish you 100% membership of those entitled to join you. I am sure the reason for establishing your Association is to improve the competence of your work. Your purpose is to join together and to decide as to how you may better discharge the work you do for the nation. The research work you engineers and other people do is an important problem affecting the working of the hospitals and it will be worth the effort.

So, Ladies and Gentlemen, I thank you very much indeed.

COLONEL CHIEVELEY WILLIAMS, proposing the toast "The Institution of Hospital Engineers," said,

I am very flattered in the honour your President has done me in asking me to propose this toast this afternoon, and of course I am well aware that I am asked here in my official capacity as Chairman of the Western Area Committee of the South-West Metropolitan Regional Hospital Area. It sounds a lot but it is not as bad as it sounds.

I confess that when I was asked to attend this Luncheon I had never heard of the Institution of Hospital Engineers. I am afraid that my knowledge was gravely at fault, but there it is—that is the story, and I say it.

I do appreciate the very essential objects which this Institution sets out to attain. I am told, and you have heard, that this Institution is a mere stripling. It commenced about eight years ago last Thursday, I believe, on the 29th August, 1943, in Nottingham, and the initial step was taken by Mr. Rogers, who is still an active person in the Institution.

From the few it grew, and as you have heard, it now has a membership of 900, and I am happy that the membership includes practically every hospital in the British Isles. There are even affiliated members in the Colonies, particularly in New Zealand. I am afraid I am not gifted with that sense of humour that your President and Mr. Minister and certainly the Mayor are able to put over, so I would just like to make a few comments on one or two points which impress themselves on me as I go round the hospitals.

You are in the process of applying for a Charter and I can only say that not only do I hope but I am sure that after Mr. Minister has heard your views at your conference today, you will get his support; and your status would be much improved.

In going round the hospitals here again I notice your "amateur." He is zealous, he means well, but a person who means well does not always do the right thing, and that is why I feel myself that your work is so important to the Hospital Service and its wellbeing, so it behoves all of you to see that your status is not only maintained but raised.

It is my view that it is only if everybody in the Health Service works and understands the idea of the Health Service that we shall get our final aim and object, which is the greatest service and the best which we can give the nation.

If I may say so, Mr. Minister, I am quite non-political—I am one of those unfortunate people who see both sides—I claim that the step of taking over the health and well-being of the country was one of the greatest statutes that was ever put into operation. And, I am being factual again, may I tell you the Health Service has proved it is a great Service and in the 3 years it has been going it has shown that it has improved the efficiency of hospitals everywhere.

One hears constantly, criticisms of the Health Service, and I hear them *practically every day*, but it is significant that the critic always quotes hearsay evidence. Someone else had said it or someone else had the experience. If you listen to the actual patient or the person who has been a patient, this is first-hand evidence and the only evidence that counts, nearly always they have nothing to say but praise. I therefore ask, and you can do it, it is our duty to stop these unnecessary and spiteful criticisms, because it will get nowhere. What I want is constructive evidence.

You have a most important part to play, as in a successful operation, this often depends quite a lot on your skill and devotion.

We must also see, if it is to be a really good service, that the comfort of the patient always is uppermost and perhaps in that respect your part is not so great as other people's in the Health Service.

Finally, what the Health Service needs is economy. It is no use asking the Minister for more money if we are not spending the money we get wisely. In that respect, gentlemen, you have an important part.

Recently when going over a hospital in a Group which shall be nameless, I saw the heating system. I am not an engineer and I know nothing about this, but anyone would have been impressed with the fact that this system in this hospital was complete nonsense and waste of money. We cannot afford to waste that money and with your help it need not be wasted. Now, I am impressed on that account by seeing that one of the objects of your Charter, if you get it, is that you are a medium to facilitate the interchange of ideas. This is most important because the best of us, in fact all of us, are apt to stick to our own theories. We do not move with the changing times, and the great value, as I see it, of an Institution of this type is that people can get together and by an interchange of ideas they can make certain that they do not fall into the net of being theorists.

On the question of theorists, I will tell you my one and only joke—of course it happened in a railway carriage!

Two gentlemen were alone, one was talkative and the other was reserved. As you know, the talkative gentleman always gets his way in a railway carriage, and he said to the other, "What do you do, sir?" and the gentleman hedged. "What do you do, sir?" he asked again, and the reserved gent. replied, "Well, as a matter of fact, I am a professional flea-tamer." "Oh, I would like to know more about your job," said the talkative gentleman. "I have one of my fleas here," said the flea-tamer, and he took out a little match box and produced one of the performing fleas. "I have trained this little fellow rather well." He put him on the back of his hand and raised his finger on his wrist and said, "Jump," and the flea jumped. He put his hand higher up his arm and said, "Jump," and the flea jumped. He put his hand on his shoulder and said, "Jump," and the flea jumped. The other gent. asked if the flea was for sale. The trainer said it was not, but in the end the flea changed hands for a few pounds. Immediately the talkative gent. took out a pair of scissors and clipped the hind legs off. The trainer was aghast but sat speechless. The gent. then put the flea on his hand and said, "Jump." The flea was quite motionless. Again he said, "Jump," but the flea did not move. "That proves my theory that if you cut the hind legs off these little animals, they go deaf!"

This is what happens to the theorist—he is deaf to everything else except his own pet theories. Therein lies the great value of your Institution. I hope you will have your Charter and I hope you will flourish. I am sure you will.

Thank you very much for asking me here today.

MR. J. TOMLINSON, Chairman of The Institution of Hospital Engineers, replying to the toast, said :

My Lord President, Lady Calverley, Right Honourable Sir, Ladies and Gentlemen, you have heard Colonel Chieveley Williams say that prior to receiving his invitation to this Conference he had not heard about our Institution, but listening to him as we have been doing, we are forced to the conclusion that he certainly knows a good deal about us now, which is all for the good. He knows how old we are, he knows our aims and objects and also how many members we have. But there is one thing he does not know and that is, how long the Institution will exist—I will tell you!

There is going to be an Institution of Hospital Engineers so long as there is a hospital in the country : so long as there is a Health Service you are going to find our Institution. Our aims and objects,

in addition to raising the status of the Hospital Engineer are the improvement of the engineering plant and equipment with particular reference to the efficiency angle with a resultant improvement in the environment of the patient.

It is possible that quite a number of us are apt to lose sight of our true objective within this great service. But we should never lose sight of the fact that our chief job is the care of the patient, to help those less fortunate than ourselves. But, Sir, and I address this remark to you especially, may I say that there is no branch of this great Health Service which is more aware of its shortcomings than the members of this Institution much of which is occasioned by the past neglect of and indifference to the vital engineering services of hospitals; and there is no branch of the service better able to remedy the past neglect than we are—given the opportunity.

Some of the neglect has been, I fear, occasioned by the political outlook of the governing bodies, and I am sorry to say that the patient has not always been the first consideration. I am, however, happy in the belief that there is now no excuse for the patient not being the first consideration of every member of the Health Service.

The Institution of Hospital Engineers was, as you have heard, formed only a few years ago. We, the founders of that Institution, realise to the full what little acknowledgment was accorded to many Hospital Engineers in the past; they were expected to make do and mend with next to nothing. We aim to alter all this; we aim at setting a high standard of efficiency; we aim at the true recognition of the Hospital Engineer, together with an all-round improvement in the status of the man who has been referred to as the "back room boy." He was a back room boy in more senses than one; sorry as I am to say it, he was kept in the back room by certain people who felt that in addition to being skipper of the ship, they were Chief Engineer and chief everything else within the hospital. This state of affairs is all wrong and the sooner all officers in the Health Service appreciate that they have a job to do and do it conscientiously without interfering in the other fellow's job, so, then, will the service advance and the members of its staff become a team.

We, as engineers, are responsible for the well-being of engineering plant and equipment and maintenance of the buildings, and we are fully convinced that without the care that we alone as trained engineers can give to our hospitals, the patient is bound to suffer. We have set our star on a perfect engineering service. How is this to be achieved?

We feel, in the first place, our Institution must set a high standard in training and educating the aspirant to this branch of the service. I regret to say that there are a number of engineers in the service who do not match up to the standard we feel right and proper. As a result we have set a standard for admission to this Institution, and I must say your Council has had some difficult and trying times when considering applications that have been submitted to us for consideration. These applications have been considered in full and exhaustive detail in every case, and while it is with regret I tell you some of them have been rejected, it is with pleasure I inform you that the great majority of Hospital Engineers who have made application have been approved and accepted.

We have within our organisation an Education and Examination Sub-Committee which is doing splendid work. This Committee deals with all the problems of training the young engineers who are keen to better their positions. We feel that there is only one way of training the Hospital Engineer of the future and that is in the Works Department of a large hospital: *a hospital which contains all the complex plant and equipment which we know so well.* We know too well that a Hospital Engineer can only receive his preliminary training for this highly specialised work in industry; he must receive the specialist part of it in the Hospital Works Department. We therefore include within our educational syllabus all the special branches of engineering not met with outside the hospital. I want to tell you that the first essential of an engineer making application *for admission to our Institution is that he shall have served a recognised engineering apprenticeship.* I only wish that similar training conditions, in their particular sphere, were demanded of all members of hospital staffs.

We have within the Health Service at the present time officers who have limited experience of the hospital world who are in effect learning the job at the expense of the Service; this is to be regretted.

You have, My Lord, Ladies and Gentlemen, heard the Minister of Health refer to the Annual General Meeting which is to follow this luncheon. You have heard him say that he has something of a serious nature to say to us. I can but say, Sir, we can take it, whatever it may be—but we do hope it isn't too serious.

Before I close I would like to say how keenly we, the Group Engineers within the Service, feel the disparity which exists between the salaries of various senior officers of the Group, and ours. Throughout the country the Hospital Engineer is not paid a salary commensurate with the duties he has to perform and the responsibility he has to carry, and this has been so for a long time.

There is little more for me to say, and in view of the fact that the Minister is to grace our next meeting with his presence, I will close with my sincere thanks to you, Colonel, for the very kind remarks you have made regarding our Institution. All my colleagues appreciate to the full your kindly interest. To Doctor King, who is also with us this afternoon and who has in no small way assisted in making this part of our proceedings such a success, on your behalf I will say "Thank you very much indeed, Doctor, I hope you will be with us again on some future occasion."

Thank you all very much indeed for coming here today.

Thus a most enjoyable and memorable luncheon came to an end and as our guests left the Banqueting Hall, the members quickly took their seats in readiness for the business part of the Conference.



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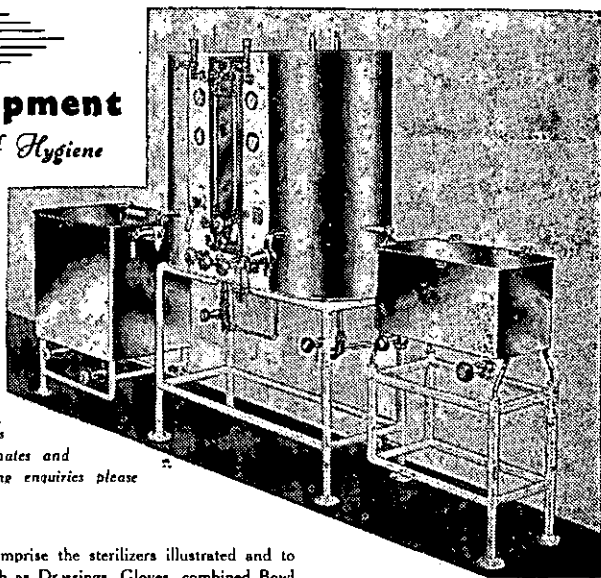
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ANNUAL GENERAL MEETING.

In opening the Annual General Meeting, our President, LORD CALVERLEY, said :

Mr. Chairman, Mr. Marquand, Gentlemen, this is my swansong and it is not going to be very long. It is four years ago since I first had the privilege of being your President. When I first took office you were negotiating the teething stage. Now you have got to the stage of growing boys. I want you in all seriousness and sincerity to bear in mind the purpose which brought into being this Institution. Sometimes there is the danger that we are apt to wander from our policy and stray into the byways and highways of other objects and sometimes we forget what we are after. Whilst I have had the privilege of being in close touch, sometimes closer than you think, I have tried to take an interest in your ultimate policy. I have touched upon this at a number of conferences.

When I mentioned the back room boys I did so deliberately because whenever I visit hospitals, and I have said so before, I have gone to what I call the "make do and mend" department. By initiation and imagination you have repaired, in fact, invented, machinery and apparatus which was sometimes vital for the lives of the patients in the hospital, and there is that picture that I cannot get out of my mind of that little baby boy, weighing 14 lbs. premature, with that peculiar shade of hair of the Scot—ginger, which was a testimonial of what you had been able to do.

I do not understand how the apparatus works, but I do know that at a certain period in the War you had to make do with imitation rubber and you had to keep the system going to save lives ; I believe one Hospital Engineer got a motor tyre and worked the best part of the night without relief, and I told the Administrative Officer and the Chairman about this man having to work through the night to keep a child alive.

I am glad this afternoon that the education side of the Institution has been emphasised. It is essential to raise the status of the Institution and I am only sorry that I must lay down my office before the Charter of Incorporation is granted to you by the Board of Trade, which I feel certain it will.

I think it is essential that Branch, large or small, should have adequate knowledge from the Minutes of the Council and also the interchange and pooling of ideas of what other branches are doing in other parts of the country.

After closing the Conference two years ago my wife and I went further North towards the place you mentioned yesterday and I think you people in the South have a duty to try and bring the Hospital Engineer more in touch with the general policy of our Institution, and I hope you will see to it that all branches, however great or small, are kept in touch with what you are trying to do.

In the House of Lords we have prayers each day and we have a Bishop. On one occasion a Bishop said to me that if he could not have a better attendance he would not attend. I reminded him of "When two or three are gathered together . . ."

Please do not despise the men of Northern Scotland and North Ireland and when I spoke with the Secretaries of State for Scotland they feel as you do that we must bring the status of some of the hospitals in Scotland to a higher plane. It is the same with Northern Ireland. We should let our Ulster members know that they are not forgotten and this will be all to the good. We must not let the Hospital Engineers of the Highlands feel that they are forgotten either.

I have been proud to be President and I shall instal the new President at a certain time and period of the Meeting, and I feel that you want a President who understands more intimately the technical details of your work.

I lay down my office with regret but with a certain amount of joy that I have been associated with you as your first President, and that is all I have to say but to ask you to get on with the business. I must say I realise what a great privilege it is to have the Minister of Health here, but I do not want to keep him too long. I have known most of the Ministers since the days of Johnny Burns—he is not going to work miracles, he is not going to give us whatever we ask for, but he is an approachable man.

I feel that under the leadership of Mr. Marquand the Ministry of Health is doing great things to try and realise the ideal of all of us, i.e. to make the Health Service a great success. It is now with great pleasure that I call upon the Minister of Health, Mr. Marquand, to address us.

THE RT. HON. H. MARQUAND, M.P., Minister of Health :

I am delighted that I have been able to come, as you say, to take part for a minute or two in your Conference, although of course I shall withdraw after I have told you what I have to say.

May I say how much pleasure it has given me to be able to attend your Conference while Lord Calverley is still your President.

I am sorry, as I know you all are, that he feels he has to retire. He has many more jobs to do and his Doctors have told him to take things a little easier. But I would like to say that I feel he has rendered you a great service whilst he has been your President. I never had the privilege of sitting with him in the House of Commons, but I know of him from many old Members how greatly loved he was in the House. He has a great capacity for making friends all over the House with all parties and they were sorry he had to go to the House of Lords, but we are glad to feel he is still going on the same jovial way and long may he continue.

I do, as I said, much appreciate the existence in the Health Service of a number of Professional bodies, Trade Union bodies, and organisations of all kinds, and I have done my best to keep in touch with them and do all I can.

I have met Physicians, Surgeons, B.M.A., also Dentists, Pharmacists, Opticians, and I have been brave enough to address Hospital Matrons—and got on very well!

I did have a date with the Midwives, but I had to miss this because Parliament prevented me from going along.

I have met the National Union of Public Employees and other Trade Unions, and I have done this to make the direct personal contact which I want to make. To hear from bodies like yours what goes on in their minds, what troubles they may have and I want to try and express my own point of view and to leave them with the feeling that I do understand, and that I know the Health Service from top to bottom.

I have certainly not read all the circulars!

An Act of Parliament calls this great organisation in which we serve the National Health Service—it has not called it the National Health Scheme. It is a service and let us never forget it. Its purpose and object is to serve the people. We want to make it a success, and part of the success of the Service will lie in the extent to which we release and bring to bear the creative ideas that many of us have. We want to have suggestions from Doctors, Nurses and all branches of the Service—we want to see them all considered. There will be many suggestions that cannot be carried out.

I do want you to feel that your work is appreciated and I will tell you one story which happened when I was in Bournemouth in the Board of Trade. I dictated a lot of letters one afternoon to a large number of traders and at the end I stopped for a moment. My secretary got up to go and I said, "Do you like your job?" She said, "No, I do not like it. It all seems so silly and pointless. I wish I was doing something to help the War effort. We seem to be stopping people getting things and it does seem to mean nothing."

I sympathised with her and tried to explain to her that we were helping with the War, it is not all building aeroplanes and dropping bombs. And she went away to carry on with the job.

I want to say something to you about joint consultation.

We must build it up, and I want to tell you a little bit about one or two things which are specially my problems at the present time.

As you know, I am trying to run the Health Service under a ceiling.

Leaving out the fees from National Insurance, etc., the net expenditure from the Treasury is £400 million. It is a lot of money, and the reason it is limited to that figure is not that the Government does not realise the importance of health, not that it does not realise the room for vast improvement in the hospitals, but it is simply that during this period of rearmament that we cannot provide all we would like to do.

In spite of this, this year Parliament has provided £20 million more than they spent last year and £15 million more than was asked for. We are expected to keep to that and it is our duty to do so.

That ceiling has been fixed in order to provide for other necessary things. The expenditure on the Health Service is uncomfortably close to the estimates. There are 23,000 more staffed beds than there were when the Service started. In addition to that, as you know, the costs have been rising very fast. Furniture costs, more, sheets, blankets, coal, electricity, and so on. So we must try and meet these rising costs without impairing the efficiency of the Service. This can only be done by getting value for money, and so I have asked the Regional Hospital Boards and the management committees to help me and I have tried in turn to see their difficulties in framing their estimates.

We have issued a new circular to try and meet the difficulty in framing estimates, RHB 51. I have tried in that circular to help in some way and to give a little more room to plan ahead.

Unfortunately this circular seems to have been misunderstood by an important section of the Press. I do want to seize this opportunity and hope that my speech will be reported to cover this misapprehension.

The Lancet and the *Daily Telegraph* have both written about that circular and the *Daily Telegraph* in particular on Friday last, in which they say the hospitals are to get still less money, e.g. a 20% cut on maintenance. This is a complete misunderstanding.

They said "Expenditure on maintenance of buildings, plant and grounds is to be cut for next year by 20% below this year's

figure." That is not so. And this does concern you. It is not true to say there is less money. The circular provides that the provision hospitals should make should be no more than this year. The misunderstanding has arisen because this year's expenditure is 20% less than was asked for. But we are suggesting that they ask for no more than they are spending this year.

I ought to point out that maintenance amounts to only 5% of the total cost of running hospitals. 60% goes in salaries. The whole thing is out of proportion. I do want to put it right.

This week I opened two hospitals and a sisters' home in Birmingham and these are not the only things that are happening. I am going shortly to Sheffield to open another new hospital. There are new developments taking place all the time and it is important people should know this. They are not enormous developments, but they are developments. I do not want to slow down this progress because of rising prices. It is a Service and so a partnership.

The only way for sensible economy is if you and nurses and matrons and secretaries and all other people will co-operate to do things. It must centre on heat, light and power because we are approaching a difficult winter, and it is our duty to play our part in meeting these difficulties.

You know that the difficulties of fuel and power are not due to the reduction in the quantity of coal available but to the increase in the use of coal. We are using far more coal because we have 3 million more people at work in this country than before.

It means economies all the time and they are particularly increased by the necessity of re-arming. We must economise and prepare in advance for the coming winter as we did last year. This one is going to be more difficult but we must prepare. Heat, light and power are limited to a cost of £11,300,000 and this is a great deal of money. It is equivalent to 3 million tons of solid fuel. If we can reduce this bill without harming the patients in any way we should be helping the patients and the nation, because the money saved could be used on other forms of health service. The fuel saved would help industry and maintain factory production.

We have got to try and stop the dripping tap, the light in an unoccupied room.

I went to a hospital the other day to a little maternity home and after going over the whole of it they took me into the little tiny kitchen, and asked how they could run the place with so small a kitchen, and I said it must be very difficult. There was a saucepan on the gas with the gas all around it and up the sides. I said, "If you want a new kitchen there is where to get it." They were wasting unnecessary fuel and we must get this idea into people's minds.

If every hospital saved £100 a year on that sort of waste it would give me enough money to maintain 600 hospital beds. I am going to try and do something about this. I am not going to say precisely what.

I am going to try something and I hope that the new booklet will be received as a serious thing.

I need not expound on this—I know that the engineer with fuel consuming apparatus in his charge tries to get the best out of it. All I am going to say is that I realise that the engineering and heating plants of many hospitals are woefully out of date. I do not want to see only the best—I have seen the worst and I know how they waste fuel.

I have deliberately reminded Hospital Boards of the need to use some of their capital expenditure for improvements of this type of plant and its replacement by efficient and economical installations.

I am also going to call attention to the need for keeping records of fuel consumption. I wish we had more and could give you a better allocation for this purpose.

I know Mr. Noel Baker is trying to get more materials for use on heat-saving appliances. I wish we had begun long ago. Now the limitations on steel make it very difficult but we will do what we can.

There will have to be power cuts now because of the demands of industry and peak of the load. We want to safeguard the hospitals and last winter some special circulars were sent out to ensure that everything had been done, and to get in touch with the electricity authorities. A check-up has been made with new improvements in order that we may prevent power cuts stopping the heating of hospitals and operating theatres.

LORD CALVERLEY : I am going to move that you show a vote of thanks to the Minister for the two days he has spent among us and for his speech this afternoon, and to assure him that we shall be everlastingly grateful to him for coming and allowing us to try and see his problems and for trying to understand some of our problems.

MR. TOMLINSON : My Lord President and Mr. Minister, it gives me very great pleasure to second the vote of thanks. May I say my heart is a lot lighter than it was before the Minister addressed us.

I am happy for the re-assurance regarding the new estimates and that we are to have available the same amount of money as last year. May I hasten to assure you that there is nobody who will spend the money more wisely than the members of this Institution,

we are behind this Health Service and for it. It has always been our object to make it a success, but we are hampered by silly little things.

I will not take up more of your time. I am deeply grateful and indebted to you, Sir, for your assistance here today and yesterday.

We have a little function this evening and we hope it will be some recompense for the bad time we have given you. We do feel that this has been a heaven-sent opportunity of bringing to your notice some of the difficulties of the Hospital Engineer. We are determined that the Health Service shall be a success.

Thank you, Sir, very much for your assistance—we are very grateful and we note you will bear in mind a few of the points we have had an opportunity of making.

LORD CALVERLEY : It has been moved and seconded that we express our gratitude to the Minister for coming along and we can assure him he has made many friends.

Those of you in favour of this resolution will show in the usual way.

THE MINISTER OF HEALTH : Thank you very much—I shall go away greatly encouraged.

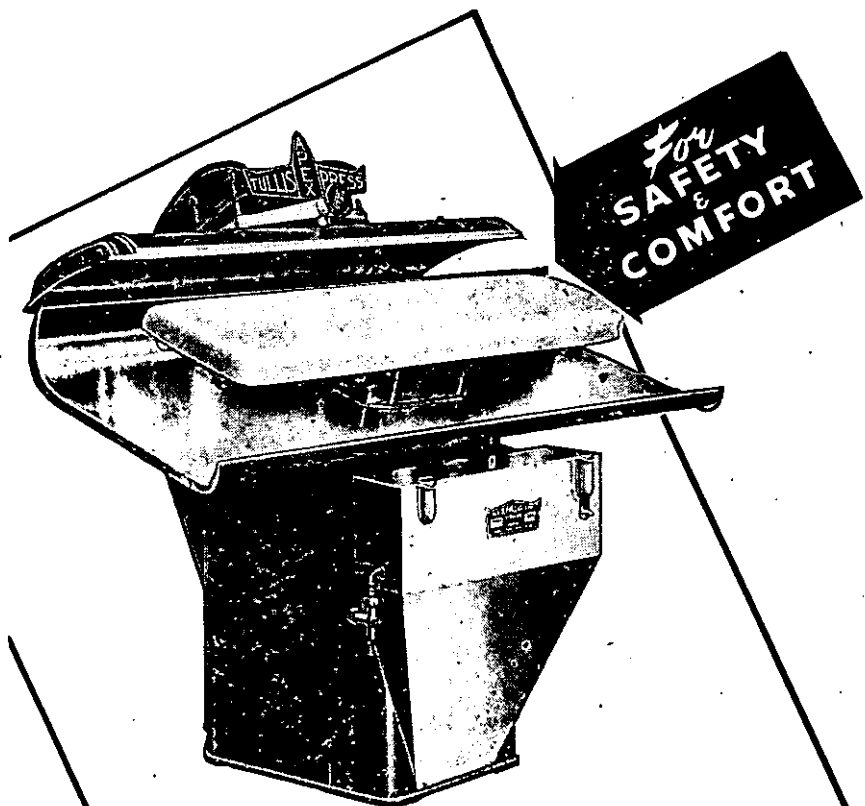
No. 2. To receive and confirm the Minutes of the Annual General Meeting held at Harrowgate, 2nd September, 1950.

No. 3. Installation of Mr. H. A. Sandford, M.A., M.I.Mech.Eng., M.I.E.E., as President, by Lord Calverley, retiring President.

LORD CALVERLEY rose and said : Mr. Chairman and gentlemen, my next duty is one which gives me the greatest pleasure and that is to instal Mr. H. A. Sandford, one of your Vice-Presidents, as the President of this Institution of Hospital Engineers.

I know Mr. Sandford is a man who is in the forefront of the engineering profession and therefore is most suitably qualified to guide your steps along the proper paths, and while relinquishing the office of President I assure all of you that I shall be delighted to give you any assistance which lies in my power.

At this point Lord Calverley took off his President's Badge of and turning to Mr. Sandford said : It is with the greatest pleasure I place this Badge of Office on you, Sir, and declare you duly installed as President of the Institution of Hospital Engineers.



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MR. SANDFORD : Lord Calverley, Mr. Chairman, Gentlemen, I am deeply moved by the words that the ex-President has just said and it is extremely difficult for me to attempt to express adequately the sense of honour which I feel in your having appointed me to succeed him.

For some two or three years I have endeavoured to interest myself in the affairs of this Institution, but I feel that I am following one whose guidance since the inception of this Institution has been of immense value. I may say that Lord Calverley has not been concerned with the technicalities of our calling but he has guided us well and wisely in matters of policy.

The technicalities of our calling are second to the initial steps that have to be taken to get the Institution on its proper footing. He has been very ably and wisely assisted by the founder members of the Institution and all of you who have supported it right from the start.

I said just now that I had interested myself in the affairs of this Institution because for some reason quite unknown to myself I was invited to become Vice-President. I am not quite sure of the position of the President, but with the approval of the Council and all members I hope to be able to work in the future to the benefit of the Institution. But it requires the backing of each one of you.

I am afraid I have been a "thorn in the flesh" of the Council for some time when I repeat what I have said at the meeting in London that I have been nagging for some time for the establishment of premises that will be recognised as premises of the Institution. And I have nagged for the establishment of a London Office.

I also threw out the suggestion at another meeting that I hoped the initial activities of the ex-President and Founder Members would ultimately put us in the position where we could ultimately apply for a Charter with the object of putting this Institution on the same professional level as the great Institutions of the Electrical and Mechanical Engineers. The matter is now under way and perhaps we shall hear more about it later on.

Anything I have been able to do or can in regard to either of these projects will be a great source of pleasure, and I am sure that, with the help of all of you so long as you allow me to remain your President, we shall be able to get this Institution recognised as a professional Institution conforming to the standards of the three great Institutions of the Engineering World.

It is therefore, as I wrote when replying to your invitation that I should become President, with great humility that I have accepted this office. I will do my best to help you as well as I can and so long as you wish, and if you feel I can help you please let me know.

MR. TOMLINSON : In rising to reply to the opening address of our new President on your behalf, I would first like to say how grateful we are to Lord Calverley, our ex-President, for all he has done for us in the past. Lord Calverley is not a young man and I know he will not mind my saying it, and in spite of his age he has turned out whenever we have asked him and where ever without question.

We are also grateful for the guidance you have given us, my Lord, and we appreciate how kindly and fairly that advice has been given.

To our new President, Mr. Sandford, we extend a most hearty welcome during your term of office.

In addition, we are grateful for all you have done for us in the past, and you have done a considerable amount. You have given us a lot of very valuable advice and things you advised us on three years ago are now beginning to take shape, and for that we are most grateful. In a very few minutes we are going to deal with one of these matters, and during the meeting we shall have a little more time to say more.

In closing this part of the meeting I would like every member to accord to our ex-President how deeply we appreciate what he has done for us during his term of office, and a hearty welcome to our new President.

No. 5. **Financial Report**, read by MR. JONES.

MR. STRACHAN moved the adoption ; MR. FORSYTH seconded.

Particulars were requested *re* outstanding subscriptions, and supplied by the SECRETARY.

No. 6. **Council Report**, read by MR. TOMLINSON.

He expressed his gratitude for being elected Chairman.

On the retirement of Lord Calverley, Mr. Tomlinson said : I would like to add one other point. Not only has he been President, he has been a good servant. He has spared no time so long as his health allowed. I am sure the work he has put in will bear fruit in future. It should be recorded how deeply grateful we are to Lord Calverley for all the work he has done for us in the past and for the splendid and able manner in which he has carried out his duties as President.

On the election of the new President, MR. TOMLINSON said : He has been connected with us for a number of years and is, in addition, an engineer and a very able engineer. He has given all kinds of valuable advice, and all has been well considered and very sound.

We are a new body and he has always borne this in mind, but we are progressing, and I am sure that under the guidance of Mr. Sandford this Institution will flourish and get places. He would not make suggestions were he not able to put them into being.

We are very pleased to welcome you as our new President.

Incorporation. Connected with this is one of our Founder Members, Mr. R. G. Rogers, now a Vice-President, and he has had an enormous amount of work to do.

Whitley Council. I am bound to couple with great pleasure the name of Mr. R. E. Rogers with this ; we have no more able Member of this Institution. I sat with him on Whitley Council, together with Mr. Strachan and Mr. Smith, and I am sure that they will tell you how ably he tackles the business of this Institution.

During the year this Institution has been responsible for taking an appeal to Regional Board on behalf of one of our Members, Mr. Ormston, of Hull "A" Group Management Committee. The result of that appeal is success for our side. I cannot leave this without saying that Mr. Clarke, our General Secretary, directed this appeal on our behalf most ably, and as a direct result I am quite certain success depended, and for that we are grateful to Mr. Clarke. We are preparing a number of appeals for our Members in Scotland.

You are all aware that there are a number of Members in Scotland who are not getting a fair crack of the whip. I am sure it is your wish that we do not rest until we get them subject to P.T.B.3 in that respect.

Formation of Examination Sub-Committee. I have been Chairman of that Committee since its inception and I have its interest at heart. I have always stressed the question of education and I know the new Committee, under its able Chairman, is not going back on the promise we have made. Mr. Adams is the new Chairman of that Sub-Committee, Mr. Strachan is Secretary ; there are also Messrs. Clarke, Chynoweth, Forsyth and myself.

I want to express my very sincere thanks to all the Chairmen and Secretaries of the Branches. I know you all have a big job to do and you are, in many respects, the backbone of this Institution. I also extend my very sincere thanks to the Council and Members as a whole. I also want to say a very sincere thanks to my able Lieutenant and Vice-Chairman, Mr. Forsyth. I am always certain that, saying as I do, "Jim, what do you think about this?" the answer will be the right one.

It would be a grave mistake and injustice if I were to pass over the other officers of this Institution : first I mention Mr. Clarke, our General Secretary His work is voluntary and to him we owe a deep debt of gratitude ; I express to you on behalf of the whole Institution our very sincere thanks.

To our Hon. Treasurer, Mr. Jones, also our very sincere thanks.

Thank you to every Member for your valuable support, for coming here today, it shows you have the interest of the Institution at heart.

Finally, my thanks to the Southern Branch for arranging this Conference. I hope you have all been satisfied with what they have done. They appear to have missed nothing.

I am delighted to see the Members from Northern Ireland, Messrs. Gray and Barr.

Incorporation of the Institution.

MR. R. G. ROGERS : In view of the fact that this meeting was to be held today, I wrote to Messrs. Neal McLean & Co., the solicitors dealing with this matter, asking them to let me know the up-to-date developments. Their letter of 17th August was then read, stating that the Board of Trade had the matter under active consideration and were now studying the examination syllabus. MR. CLARKE moved that the report be accepted.

No. 7. General Report. MR. CLARKE :

The provision of a London Office and a full or part-time Secretary.

MR. CLARKE read the advertisement that has appeared in the Press : 47 applications had been received.

We have a Sub-Committee going into this question. I hope you do decide to make the change, as I feel that it is absolutely necessary to have someone who can devote his whole time or a good part of it to the office of Secretary to this Institution.

I feel that sometimes we are running away from the policy of the Institution of Hospital Engineers, and too much time is spent discussing salaries and things pertaining to gain.

Unless my own Branch appoint me as a delegate or representative to Council, this may be my last opportunity of speaking to you. In the past I have said very little. A very sincere thank you for all the encouragement you have given me. I do try to do my best and no man can do more.

Mr. Sandford has been granted a Patron of the Marine Engineering and Welding Exhibition.

MR. SANDFORD, *re* Sandford Premium : All eight applications were in my opinion of a very high standard and I think everyone feels the same.

The first award goes to Mr. J. H. White, of Bristol Mental Hospital. Council has decided to offer a second prize and this goes to Mr. Morton, of Kings College Hospital, London.

No. 8. **Resolutions from Branches.**

A letter from London Branch was read calling for a reduction in the number of members elected to Council.

MR. WRIGHT : This resolution was presented by the London Branch last May. London Branch, together with other Branches, have felt for some time past that we should obtain Incorporation and employ a full-time Secretary. We have to look to our financial position.

The Council consists of approximately 26 Members from the Branches plus four or five officers, with heavy expenses of travelling and hotel expenses. We should never be able to carry out the Incorporation and a paid Secretary.

I put this to the Council at Leeds and they said it should be discussed at the Annual General Meeting. They proposed the Articles of Incorporation and we think that Rule 26 should be applied. We have looked into this question of Rule 26 very thoroughly and I think that if you apply Rule 26 as from today you will have a Membership on Council of 18 plus 4 officers.

The Branches are all represented here today. You may have other views. The proposition was not accepted by Council at Leeds. The Branches are concerned with the number on Council and I feel that some of you may wish to speak.

MR. COOPER (London) : I support Mr. Wright's statement. We think the cost of the Council is stretching our pockets. We have to make up our minds whether we require a Secretary full time or part time, and also an office in Town. We do not wish to pay out continually, so we think that the Council should be cut. They are too large and cannot be controlled ; I am thoroughly convinced that that is one of the reason for subscriptions not coming in.

Here he gave his suggestion for the Membership to Council :—

- 1 for a Branch with a Membership up to 30
- 2 for a Branch with a Membership of 101 to 200.
- 3 to be the maximum for a Branch with a Membership of 201 and over.

MR. DAGLISH (London) seconded.

Rule 26 was then read out.

MR. CHESNEY (Gateshead) : There is a second interpretation of what Council would consist of under Rule 26 as read by him.

At present we have 26 members, excluding 4 ex-officio, making 30.

MR. STRACHAN (London) : We have reduced our Membership from 3 to 2. The Resolution from London is 12 members.

We are not asking the Articles to be altered. What we are asking is that the existing Rule be altered in line with the Resolution presented by the London Branch. We would have a considerable saving towards the paid Secretary and Office. With regard to the small branch, we must draw the line somewhere.

If any more proposals in line with our resolution are presented by other Branches we will be prepared to consider them, but we want more suggestions for economy from other Branches.

MR. CHESNEY : At yesterday's Council Meeting we said we had to adjust our economies. I say that the minimum of 12 members for the Council can be reduced. I feel London Branch are making a gesture. I feel that the London Branch feel they are not getting a fair deal. That is entirely wrong.

There could be two for Wales, two for Scotland, two for Northern Ireland, a certain number for London and a certain number for the rest of the country. I think you should get it down to eight. They should represent not only the Branch but the Institution of Hospital Engineers as well. I suggest you leave the matter and let Council cut itself down.

MR. SANDFORD : I do not know the background of this discussion, but as I read it, the Branches are autonomous within themselves. Having decided upon some resolution, each Branch should send one of its Members to the Council. This would be the most equitable way to decide the various points. A Branch of less than so many Members cannot be represented. I put it forward that one member of each Branch be on the Council.

MR. HARGREAVES : I would like to support the statement made by Mr. Sandford. I would also like to refute the allegation Mr. Chesney has made that the Members of the London Branch have been forced by the Members to put forward this resolution. It is incorrect. I would go further than Mr. Sandford that one Member would be sufficient. I would say that in addition to their being only one member from each Branch, the Chairman and the Vice-Chairman instead of being ex-officio, should remain as they are, representatives of the Branches. The Council would have to be 14 plus Treasurer and Secretary.

MR. CLARKE : We have 13 Branches in the country—here he explained the allocation of representation on the Council—making 19 members as against 30.

MR. CASTLE (London) : I feel 19 is too unwieldy. I think it should be cut down to an absolute minimum. Ex-officio members should represent a Branch.

MR. STRACHAN : This was long discussed in London and a suggestion was put forward that representation should be on a regional basis. Members of the Council should be elected at the Annual General Meeting. We have cut it to 12 or less. If we could get it to 8 so much to the good. We have sub-committees.

MR. CLARKE : We might reduce the number of Council Meetings.

MR. OLIVER : What about amalgamating small Branches together?

MR. ROBINSON (Croydon) : This was thrashed out. Are we going to have a Secretary or not?

MR. WHITE (Dewsbury) : Why not allow the Branches who send a delegate to foot the Bill?

MR. DAGLISH (London) said that they must now leave.

MR. STRACHAN (London) : I put forward a resolution that Council take steps to reduce the Council to 12, having regard to the discussion taking place and on the advice of the Chairman.

THE CHAIRMAN apologised to the members who had to go and catch the coach.

THE CHAIRMAN : We have a resolution put forward at the Council Meeting yesterday that the Institution appoints a paid Secretary.

MR. JONES (Southern Branch) : In proposing this I would like to impress an essential, that he economises on his own salary.

MR. HARGREAVES : I should like to second this and emphasise a point the Council want to make. They did feel that to appoint a paid Secretary was something that concerned all at the Annual General Meeting. We have not appointed a paid Secretary and the emphasis is that you empower the Council from this Annual General Meeting and not wait until the next, to take steps in whatever they think advisable : (a) Either to appoint a full-time paid Secretary to this Institution, or (b) if they consider it adequate, a part-time paid Secretary, but it must be clearly understood that, whatever action Council takes as and from the closure of this Annual General Meeting will be satisfactory, and no questions asked about what action has been taken in the subsequent months between this Annual General Meeting and the next.

THE CHAIRMAN asked if they would empower the Council to appoint a paid Secretary.

MR. JONES : Leave it to the Council.

CHAIRMAN : Are there any amendments? If not, I declare the motion carried.

Whitley Council Report.

MR. R. E. ROGERS gave a survey of the meetings of the Staff side of Committee "D." In the course of his report mention was made that the Staff side had submitted to the Management side a claim for an increase in salary. The claim was based on the cost of living and the Staff side had asked that P.T.B.3 scales be increased by 14%.

Teaching Hospitals. The position of Engineers in Teaching Hospitals is that the Ministry had made an offer of P.T.B.3 scales plus £40 per annum. The Staff side had rejected this offer and a further meeting was to take place.

Local Authority Hospitals. The unsatisfactory position of Engineers employed in Local Authority Hospitals, and in part user accommodation, had occupied much of the time of the Staff side. It was felt that their salaries should be the same as in the Health Service Hospitals, and every effort to this end was being made.

Appeals Machinery. Provision has been made for dealing with disputes which fail to reach a satisfactory conclusion. The machinery had been set up and official documents would be circulated by the Ministry.

Committee "F." Mr. Rogers informed the meeting that the previous day he had attended a meeting of the Staff side at which it was decided to set up a new Committee to be known as Committee "F." This Committee would deal with the salaries and conditions of service of the Technical Staffs of Regional Boards. Acknowledging that the meeting had been a fairly heated one, Mr. Rogers stated as N.A.L.G.O. had the major number of such employees as their members, N.A.L.G.O. felt it should be allotted the major number of seats on Committee "F." After much discussion N.A.L.G.O. were allotted 7 seats, the I.H.E. 2 seats, and the other organisations 1 seat each. The total number of seats would be 15 and an early meeting would take place. So far as the I.H.E. was concerned, it was imperative that one of our two seats should be allocated to a Regional Board employee.

Salary Scales (Clerks of Works). Turning to the question of salary scales for Clerks of Works, Mr. Rogers stated that Committee "D" had drawn up its suggestions for presentation to the Ministry. It was necessary for all grades of employees in the Health Service to have their Salaries and Service Conditions properly negotiated, and although the total number of persons employed as Clerks of Works in Hospitals did not amount to a very great number, he felt that it was necessary that the salaries should be properly laid down. It was *not* being suggested that there should be appointed several hundreds of Clerks of Works in Hospitals, but where these appointments already existed the salary scales would be applicable.

In reply to questions from MR. PARSONS (Member) regarding the division of responsibility for maintenance, Mr. Rogers said that as all members knew, it had been proved conclusively that the most efficient method is to have one person wholly responsible. Past and present experience in hundreds of hospitals had shown that a suitably qualified and experienced Engineer and Clerk of Works in sole charge of all maintenance was far and away more efficient than responsibility divided between two separate appointments.

A question regarding the salaries of Group Engineers and other H.M.C. Officers was raised and Mr. Rogers said that the Staff side had this under review, and at the appropriate time the matter would be raised.

No. 10. **Sandford Premium.**

MR. STRACHAN asked that in view of the very high standard of these papers, could the first and second premiums be circulated to the Branches.

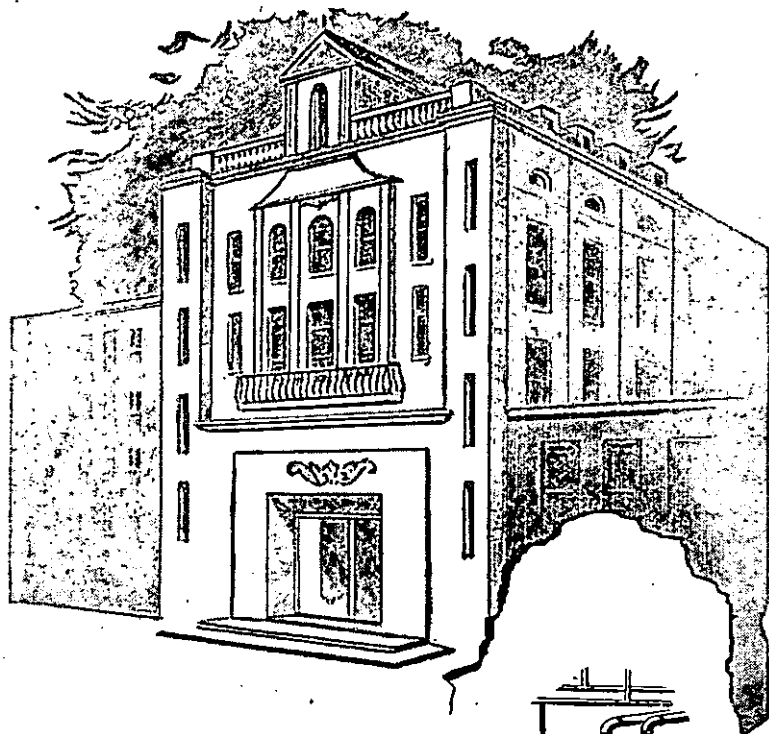
MR. SANDFORD agreed.

A discussion followed on the need for economy as stressed by the Minister, and MR. HEALD said that he thought that all the engineers had done their best to make the service efficient.

No. 11.

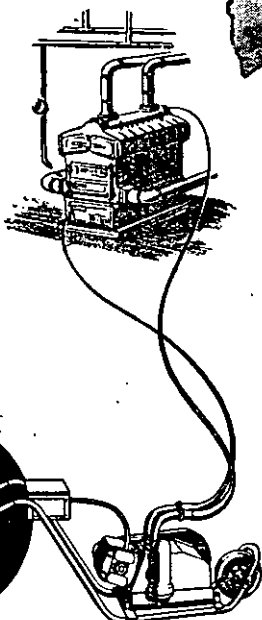
It was agreed by vote that the next Annual General Meeting should take place the 1st Saturday in September, 1952 at Morecambe Bay.

The CHAIRMAN thanked all who had attended the meeting and declared the meeting closed.



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BRANCH NEWS.

LONDON BRANCH.

Minutes of the Branch Meeting held at The Medical School, Westminster Hospital, London, on the 15th September, 1951.

Meeting commenced 3.0 p.m. Members signing attendance book, 27. *Chairman*, J. Strachan ; *Hon. Secretary*, H. Wright.

1. Paper by F. Gerrard, Esq., A.R.I.C., M.Inst.Fuel, F.G.S., Chief Technical Consultant to Feedwater Specialists Company, Liverpool. Subject—Caustic Embrittlement.

The meeting opened with a very interesting Paper by F. Gerrard, Esq., of the Feedwater Specialists Co., Liverpool, out of which many questions were asked ; it was quite evident Mr. Gerrard was master of his subject by the ease with which his answers were given. At the conclusion the Chairman thanked Mr. Gerrard for the excellent Paper and the members expressed their appreciation in the usual manner.

The meeting adjourned for tea at 4.45 p.m., and was resumed at 5.20 p.m.

2. The Minutes of the Branch Meeting held at Westminster Hospital on July 21st, 1951, were read and confirmed.
3. Matters arising from the Minutes. Nil.
4. To receive Report on the Council Meeting held at Bournemouth on Friday, the 31st August, 1951.

The Report was given by Mr. H. Wright, who told the members that the Council were alarmed at the non-payment of dues ; he also stated that Mr. Oliver was very concerned about the lack of subscriptions for the Benevolent Fund.

The Honorary Secretary had reported that the work was getting a little too much for him ; he had no holiday this year due to pressure of Institution business.

Council had decided that the next Meeting was to be held in London on the 1st December, 1951.

5. To receive Report on the Annual General Meeting held at Bournemouth on the 1st September, 1951.

Mr. Strachan apologised for the delay at the luncheon.

Mr. Parsons was invited to give the report and his impressions. He stated that he was greatly impressed by the virility of the undertaking and congratulated the Southern Branch for the admirable arrangements made.

He also felt that the statements made by the Minister of Health were sincere.

Mr. Wright congratulated Mr. Parsons on his report.

Mr. Wright, in answer to Mr. Bradley, explained the text of the London Branch resolution and the amendment that was carried.

6. To decide on procedure for appointing officers for the Branch and Members for Council for 1952.

It was decided and the Secretary instructed to have printed on the Agenda for the next Meeting that members could nominate officers for the Branch by writing to the Hon. Secretary, after first ascertaining that the member nominated would accept office if appointed, other nominations would be accepted at the next meeting.

7. To receive applications for membership. Nil.

8. To receive Sub-Committee Report.

Mr. Woolsey, in submitting this report, appealed to the members for more support, otherwise he would ask to be relieved of the Secretaryship.

Messrs. Dewrance had intimated that they would be willing to arrange for a visit to their works some time in January or February.

Mr. Strachan asked for more support to be given to Mr. Woolsey when arranging for papers and works visits.

9. Any other business.

Mr. Holden asked if the Branch Meetings could be held in the evenings of the week-day; he considered that there would be a much greater attendance if this could be arranged.

This met with opposition from Mr. Simm and Mr. Wright, who argued that some members came from such long distances that they would have to have time off from business.

It was agreed that the meetings should commence promptly at the approved time and finish at 6.30 p.m.

The Meeting closed at 7.25 p.m.

J. STRACHAN, Chairman.

H. WRIGHT, Secretary.

MIDLAND BRANCH.

Minutes of a Meeting held at the Birmingham Accident Hospital, Bath Row, Birmingham, Tuesday, 2nd October, 1951.

The Chairman, Mr. F. C. Chance, opened the Meeting at 6.45 p.m.

Apologies for Absence were received from Messrs. Bullivant, Nix and Pullen.

Minutes of Previous Meeting were accepted as read.

Correspondence. Secretary reported that Mr. Nix had sent a letter of thanks for the sympathy expressed by the Branch Members at the time of his great bereavement in the loss of his wife.

A letter was read from Messrs. James Stotts, Kitchen and Canteen Equipment Manufacturers, inviting the Members of the Midland Branch to visit their Works at Oldham. A circular had been sent to all members to see if a party could be made up, but it was regrettable that Messrs. Stotts' offer had to be declined, owing to replies being so small that sufficient members could not be mustered.

Application for Membership. An application was received from Peter Louis Baker, 820 Broad Lane, Coventry, age 17 years, seeking membership as a Student. He is apprenticed to the Coventry and Warwickshire Hospital, No. 20 Hospital Management Committee, Coventry, for the period of five years, to learn Hospital Engineering. Indentures were prepared by the Solicitor of the Regional Board. Mr. F. H. Mills proposed, and seconded by Mr. R. D. Broadhurst. It was unanimously agreed that this application be recommended to the Council.

Secretary's Report of Council Meeting and Annual General Meeting. A report of the Council Meeting had been circulated to all members.

The Secretary reported the Annual General Meeting had gone off very well, starting with the Annual Luncheon. Among the guests were Lord Calverley, the Minister of Health, Mayor and Mayoress of Bournemouth, Chairman of the South-West Regional Hospital Area, H. A. Sandford, Esq., and several Vice-Presidents. Much credit was due to the Southampton Branch for the efficient way that had made and carried out the arrangements of an enjoyable luncheon.

The main points of the meeting which followed was the speech of the Health Minister, the Rt. Hon. H. Marquand; the retirement of the President, Lord Calverley; and the installation of new

President, H. A. Sandford, Esq., who during his address announced the winners of the Sandford Premium. The first prize was awarded to Mr. J. H. White, of Bristol, and Mr. Morton, of Kings College, second prize. A resolution from the London Branch that the size of the Council should be reduced was carried. A unanimous vote agreed to the appointment of a paid Secretary.

The report of Council and Annual General Meeting was accepted.

Whitley Council. Mr. R. E. Rogers gave an outline of matters that were being dealt with on the Whitley Council, namely that an offer had been made concerning salaries of Teaching Hospital Engineers. The offer made by the Management was not accepted. An increase of salary, based on the cost of living had been asked for, and the Ministry's reply was awaited.

A new Committee was being set up to deal with Regional Architects and Engineers, and the Institution had two seats on this Committee.

Election of Officers for 1952. *Chairman* : Proposed F. H. Mills, seconded Mr. E. J. Holden, that Mr. G. H. Siers be Chairman : agreed. *Vice-Chairman* : Proposed Mr. W. H. Edwards, seconded Mr. C. Locker, that Mr. E. J. Biddle be Vice-Chairman : agreed.

The Chairman, Mr. F. C. Chance, announced he had received a letter from the Secretary, Mr. F. H. Mills, that he wished to retire from the office of Branch Secretary.

In reply to the Chairman, Mr. Mills stated he felt he had had a good term of office, having been Secretary since the formation of the Branch in 1945 ; that it may be to the advantage of the Branch if a fresh Secretary was appointed.

Mr. E. J. Holden and Mr. R. E. Rogers expressed their regrets that Mr. Mills had made up his mind to vacate the office, and thanked him in a very sincere manner for the way he had carried out his work.

On a proposition by Mr. Rogers, it was agreed that a special meeting be called in December to appoint a Secretary.

Representatives to Council to be held in London, in December. Agreed that Mr. E. D. Yates and Mr. F. C. Chance attend this meeting.

Meeting at Banbury, November 3rd, 1951. The next Branch Meeting to be held at Horton Hospital, Banbury, on Saturday, November 3rd, 1951, at 3 p.m., when Mr. Wilson, of Lewis Bergers, will give a lecture on the Selection of Colours for Decorating.

It was agreed this should be an open meeting, when Group and Hospital Secretaries, Matrons and other interested persons be invited.

YORKSHIRE BRANCH.

**Meeting held at Meanwood Park Hospital, Meanwood, Leeds 6,
on Saturday, 18th May, 1951, at 3 p.m.**

Twenty members were present as follows : Messrs. Warhurst, Holland, Carroll, Herrett, Cooke, Milnes, Kirby, Tennant, Daniel, Slade, Peart, Richardson, White, Chynoweth, Hawkins, Shaw, Pollard, Pearson, Forsyth, Brodie. Apologies for non-attendance were received from Mr. Tomlinson and Mr. Thwaites (Secretary).

The Minutes of the last Branch Meeting held at Fir Vale Infirmary on 21st April were read and approved.

The Chairman reminded members that the request of the Branch Secretary for details of each member for insertion in a Branch Register in booklet form had not been fully met, only half the circulars having been returned to him. It was suggested that a further attempt be made to get the necessary information from those who had not replied.

The Chairman introduced Mr. Forsythe, Engineer-in-Charge of Meanwood Park, who gave a talk on "Generating Plants."

Mr. Forsythe gave an interesting talk on thermal efficiency of various units as used in hospitals which included :—

1. Lancashire and Economic Boilers—coal and oil fired.
2. Various types of steam reciprocating engines, back pressure and vacuum type.
3. Light oil engines.
4. Diesel engines.

He explained in detail the method of calculating the thermal efficiency of the units mentioned, and

5. The method of calculating the amount of fuel saved by having an economiser fitted to a steam-raising plant.

The talk was well received and enjoyed by all present, and the discussion that followed proved most interesting. Tea was then partaken, and as is usual when a visit is made to Meanwood Park, everyone was happy.

Mr. Forsythe was asked to convey the Branch's thanks to all concerned for the facilities enjoyed and this he promised to do.

The meeting terminated at 7 p.m.

J. W. BRODIE.

**Meeting held at the Ministry of Pensions Hospital, Leeds, on
Saturday, 23rd June, 1951, at 3 p.m.**

Seventeen members attended. Present : J. W. Brodie (Chairman), Messrs. Frost, Vann, Barker, Tomlinson, White, Pollard, Tennent, Shaw, Cooke, Daniel, O'Rourke, Carroll, Slade, Forsythe, Deacon and the Secretary.

Minutes. The Minutes of the last Branch Meeting held at Meanwood Park Hospital were read and approved. No business arising therefrom, the correspondence was read and this included a letter of thanks from the General Secretary for the excellent arrangements made on behalf of Council for their reception during their recent Council Meeting held in Leeds, and one from our Branch Chairman referring to the financial side of the above meeting, which was left to be dealt with by the Social Sub-Committee on lines detailed by the Chairman.

Council Meeting Details. Mr. Tomlinson then gave the meeting a full and comprehensive account of the Council Meeting held in Leeds on Saturday, 2nd June, 1951.

Mr. Shaw, of Hull, then asked how the case of shift fitters, etc., was progressing and although he thanked Mr. Brodie and Mr. Tomlinson for their efforts on his behalf he did not feel satisfied. Mr. Tomlinson, however, assured him that his case would not be lost sight of.

Mr. Ormston, of Hull. A successful conclusion to this member's appeal for recognising his grading within the correct Ministry of Health scheme was reported by Mr. Tomlinson, and all members present were delighted to hear this at long last. A request was made to our Chairman asking him to write to Mr. Ormston, and this he promised to do. Mr. White and Mr. Tomlinson were thanked for their efforts on his behalf.

The afternoon tea was served by the housekeeper and her staff with the usual friendliness, and during this interval Dr. Barton, the Medical Superintendent, and Mr. Child, the Hospital Secretary, gave us a hearty welcome. The Chairman suitably replied and asked them both to stay to the paper on Refrigeration which followed the tea.

This was most interesting, and after the conclusion of the paper Mr. O'Rourke answered many questions on the matter most ably.

Mr. Vann moved and Mr. Tomlinson seconded a vote of thanks to Mr. O'Rourke for his excellent talk, and the Chairman remarked that the subject had been covered very thoroughly by Mr. O'Rourke, and all present agreed.

Next Venue. No reply or message having been received by the Secretary for our visit to Harroagete, which should have taken place on 21st July next, the Secretary asked for an alternative venue. It was suggested that Cookridge Hospital, Leeds, would perhaps welcome the Branch, and it was left to Mr. Tomlinson to arrange this.

There being no other business, it was left to Mr. Tomlinson to offer our very much respect Chairman (Mr. Brodie) our deep sympathy that we all feel for him on the passing of his dear wife on 18th June. A regular attended at many functions of the Institute, she will be sadly missed. Mr. Brodie returned thanks to the members for their kind remarks.

The Chairman then said it was not always his pleasure to have those responsible for our reception present at the meetings, but this time he had, and he conveyed to them the Branch's thanks for all they had done to make the visit a happy one.

The meeting terminated at 7 o'clock.

J. W. BRODIE.

**Meeting held at Cookridge Hospital, Leeds, 6, on Saturday,
21st July, 1951, at 3 p.m.**

Nine members were present. Present : J. W. Brodie (Chairman), Messrs. A. Pearson, R. A. Thorpe, K. O'Rourke, B. H. Tennent, L. Peart, H. Cooke, J. Tomlinson and the Secretary.

Minutes. The Minutes of the last Branch Meeting held at the Ministry of Pensions Hospital, Leeds, were read and approved.

No business arising therefrom, the Secretary proceeded with the correspondence, which included a letter from the General Secretary.

This included a free issue of tickets for the Engineering, Marine and Welding Exhibition to be held at Olympia, London, on the 10th September next. A number of tickets were taken by members and others were asked to contact the Secretary if they decided to visit the Exhibition at a later date. It was, however, pointed out that the 10th September was the date on which the I.H.E. were visiting the Exhibition in an official capacity. A letter was received from Smith & Walton Ltd., extending an invitation to the Branch to visit their works at Halthwhistle as their guests. After discussion, it was felt that so small a representation of the Branch as was collected together at the meeting could not well speak for the majority, and the Secretary was asked to reply suggesting that perhaps a firm answer to their kind invitation would be forthcoming from us at a later date.

Engineers' Problems. This particular subject brought about much discussion from one member from Bradford, and although primarily intended as a technical discussion, his personal worries were listened to with sympathy and attention, and several points cleared up for him, but it was felt that his was purely a domestic worry and not one that the I.H.E. proper could take part in.

Mr. Tomlinson mentioned a matter on hospital sterilizing, the points being noted with great interest.

The meeting then adjourned for tea, which was taken on the lawn amid lovely surroundings. Miss Jackson, the Matron, and her staff very kindly attending to our needs, which were well and amply met. Tea was followed by a tour of the hospital, and all expressed delight at the beautiful grounds.

The meeting was resumed with our Chairman expressing our heartfelt thanks to Miss Jackson for the very cordial way in which we had been received and catered for. His one regret, he said, was that the meeting was so poorly attended, but this could not be helped. Miss Jackson replied to the effect that she was delighted to welcome us, especially as many of those members present were known to her, and had been for a good number of years, including Mr. Brodie, who she said she was delighted to see. She expressed the wish that we would visit the Hospital again.

The meeting continued to discuss various other subjects, and to conclude the meeting our Chairman expressed his and the Branch's thanks to both Mr. Tomlinson and Mr. Peart for assisting to make the meeting a success.

The meeting terminated at 7 p.m.

J. W. BRODIE, Chairman.

SOUTHERN BRANCH.

Minutes of 40th Branch Meeting held at Royal Victoria Hospital, Bournemouth, on Saturday, 7th July, at 3 p.m.

Present : Messrs. Finney, Forsyth, F. G. Rogers, Budd, Bullard, E. C. Harrison, Taylor, Watts, Jones and Hon. Secretary.

Apologies : Messrs. Chynoweth, Evans, Bawler, Tromlin and E. C. Rogers.

Minutes of last meeting having been circulated, were taken as read and approved and signed.

Correspondence. Secretary read Midland Branch Minutes. Advertisement for Engineer at Perthshire Hospital and letter from General Secretary *re* official guests for Annual General Meeting.

Sterilisation. Mr. Hext, of Messrs. Sparkell Sterilisation, gave a talk on sterilisers. He dealt comprehensively with all aspects and more fully with tuberculosis hospitals a recommended the following books : (a) *Sterilisation by H.P. Steam*, by Booth ; (b) *Text Book on Sterilisation*, by Weedon B. Underwood (published by H. K. Lewis & Co., Gower Street, W.C.) ; (c) *Sterilisation and Disinfection*, by David McCulloch. A brisk discussion followed the talk on several interesting items. Mr. Forsyth suitably thanked Mr. Hext for his talk.

Council Report. Mr. Forsyth reported on meeting held at Leeds on 2nd June, the salient facts being : (a) Balance, £2,743 11s. 9d. ; (b) J. H. Hargreaves and R. G. Rogers elected Vice-Presidents ; (c) New member approved, 3 full members, 4 associates and 1 student ; (d) Advertisement for General Secretary to be inserted in the Press ; (e) Whitley Council Report ; (f) B.S.I. report. Mr. Jones proposed a vote of thanks to Mr. Forsyth for his full report and this was seconded by Mr. Finney.

Annual General Meeting. Secretary reported progress and was authorised to engage a stenographer for Friday and Saturday.

A.O.B. Next meeting to be held at Royal South Hants Hospital, on Saturday, 13th October, at 3 p.m.

A vote of thanks was passed to Mr. Rogers for arranging hospitality for the meeting, and the Secretary was instructed to write thanking the Matron and Secretary for hospitality given.

SOUTH-WEST BRANCH.

Minutes of Branch Meeting held at the General Hospital, Weston-super-Mare, on Saturday, 30th June, 1951.

Present : Mr. H. E. Clutterbuck (Chairman), Messrs. F. J. Davis, R. L. Hanks, W. Clarke, A. T. Maynard, C. Palmer, H. Harris, J. H. White, G. R. Barnetson, J. G. Houghton, R. Welby, A. H. T. Horler, T. L. Sixt, H. A. Adams (Branch Secretary).

Minutes. Minutes of the last meeting having been circulated were taken as read, confirmed and signed by the Chairman.

Arising from the Minutes. Mr. Davis raised the question of the advertisement of Assistant Clerk of Works and Engineer at Devizes Mental Hospital. Secretary reported Mr. R. E. Rogers had the matter in hand, but had nothing further to report.

Report of Council Meeting. The Minutes of the Council Meeting held at Leeds were read. The Chairman and Secretary enlarged on various points which were raised.

Annual General Meeting to be held at Bournemouth
The Secretary reported an arrangement made for the Annual General Meeting, and hoped as many branch members as possible would attend as the Minister of Health had promised to be there. The Secretary promised to circulate all members in the Bath and Bristol area to see if sufficient members would like to travel by coach to the Annual General Meeting, and he would endeavour to get the best terms possible.

Sandford Premium. The Branch were reminded the closing date for the sending in of the Sandford Premium was 31st July, 1951.

Venue and Date of next Meeting. It was proposed, seconded and agreed the next Branch Meeting should be held at Gloucester on the 15th September at 3 p.m. Mr. Hanks to make arrangements and notify the Secretary.

Any other Business. The question of purchase of goods from hospitals was raised. The Secretary reported the South-Western Regional Hospital Board had deferred this for the time being.

The question of a system of promotion of Engineers within the hospital service was raised : after a lengthy discussion the Secretary said he would endeavour to have this matter on the Agenda for the next Group Engineers Meeting with the Regional Architect and Engineer.

There being no other business the meeting closed at 6.30 p.m.

**Minutes of Branch Meeting held at the Royal Infirmary,
Southgate Street, Gloucester, on Saturday, 15th September,
1951.**

Chairman. Owing to the absence of the Chairman (Mr. H. E. Clutterbuck), the chair was occupied by the Vice-Chairman (Mr. F. J. Davis).

Present : Messrs. H. Partington, A. H. T. Horler, W. Clarke, D. W. Eades, C. McBurnie, A. Brookbank, J. G. Houghton, A. L. Smith, R. Harris, A. T. Maynard, B. Walker, T. L. Sixt, R. L. Hanks, C. Palmer, H. A. Adams (Branch Secretary).

Minutes. Minutes of the last meeting having been circulated were taken as read, confirmed and signed by the Chairman.

Arising from the Minutes. Mr. Maynard raised the question on the cost of meals when on duty.

Applications for Membership. The following applications were considered :—

John Francis Moore, Assistant Engineer, Moorhaven Hospital, Ivybridge. Recommendation to Council (Associate Member).

Edward Arthur Gribb, Assistant Engineer, Royal Western Counties (Langdon Extension). Recommendation to Council (Graduate) on proof of apprenticeship.

John Joseph Crowley, Assistant Engineer, The Retreat, St. Columb Major, Cornwall. Recommendation to Council (Associate Member) on proof of apprenticeship and examination certificates.

Athur James Buckingham, Engineer-in-Charge, Royal Western Counties Institution, Starcross. Recommendation to Council (Member) on proof of apprenticeship and examination certificates.

Council Meeting. The Secretary gave a full report of the Council Meeting held at Bournemouth.

Annual General Meeting. The Chairman gave a full report on the Annual General Meeting at Bournemouth.

It was resolved the Secretary write a letter of congratulation to the Southern Branch on the excellent arrangements made for the Annual General Meeting.

The Secretary gave a report on the working conditions of a certain member.

It was resolved the Secretary write and ask our Vice-Presidents, Mr. G. Cummings and Mr. R. G. Rogers, to attend the next Branch Meeting.

Sandford Premium. The Secretary reported one of our members, Mr. J. H. White, Bristol Mental Hospital, had been successful in winning the Sandford Premium this year. This was very gratifying, as the first two Sandford Premiums had been won by members of the South-West Branch. It was also reported a quarter of the entries had been made from the South-West Branch. The runner-up for the Sandford Premium was Mr. H. Morton, King's College Hospital, London.

The Secretary was instructed to write a letter of congratulations from the Branch to Mr. J. H. White.

Membership Certificates were distributed.

Venue and Date of next Meeting. The next Branch Meeting to be held at Exeter on 13th October, 1951.

Any other Business. The Secretary asked for any items to be placed on the Agenda for the forthcoming Engineers Meeting with the Regional Architect and Engineer.

The Secretary stated he had been approached *re* Lectures for Hospital Engineers in this region, similar to those held by the Southern Branch. The Branch agreed to support the lectures.

A vote of thanks was extended to Mr. Hanks, Group Engineer, for the excellent arrangements made for the holding of the meeting at the Royal Infirmary, Gloucester, also for the most enjoyable tea supplied by the Hospital. The Branch Secretary was instructed to write the Secretary of the Hospital to convey the thanks of the members.

There being no other business the meeting closed at 6.45 p.m.

* * *

THE GENERAL COUNCIL OF THE WHITLEY COUNCILS FOR THE HEALTH SERVICES (GREAT BRITAIN)

COUNCIL MEETING.

A meeting of the General Council was held at 1 Richmond Terrace, Whitehall, London, S.W.1, on Friday, 27th July, 1951, the following being present : *Management Side*, Regional Hospital Boards, England and Wales : Mr. J. W. Bowen (Vice-Chairman), Mr. H. A. Goddard. Regional Hospital Boards, Scotland : Provost E. Fyfe. Boards of Governors of Teaching Hospitals : Hon. Arthur Howard, Colonel W. Parkes. County Councils Association : Sir Wynne Cemlyn-Jones, Sir George Mowbray, Mr. E. L. Stinchcombe. London County Council : Mr. E. A. Knox. Scottish Local Authority Associations : Bailie Robert Bell, Provost T. Bell. Department of Health for Scotland : Mr. E. W. Hancock. Welsh Board of Health : Mr. H. Old. Ministry of Health : Mr. E. M. T. Firth, Mr. S. Gully, Mr. J. A. Willis (Joint Secretary). In attendance : Mr. W. L. Dacey, Miss Verdon. *Staff Side* : Administrative and Clerical Staffs Council : Mr. L. Bevan, Mr. J. Richards, Mr. S. R. Speller (Joint Secretary). Ancillary Staffs Council : Mr. S. J. Barton, Mr. C. F. Comer, Mr. W. D. Goss. Medical Council : Dr. F. Hall, Dr. A. Macrae. Nurses and Midwives Council : Mrs. F. R. Mitchell, Miss N. K. Ross, Miss M. D. Stewart. Pharmaceutical Council : Mr. H. Noble, Mr. A. G. Shaw. Professional and Technical Staffs Council "A" : Mrs. E. Gwilt, Mr. Ben Smith (Chairman). Professional and Technical Staffs Council "B" : Mr. W. J. Jepson, Mr. G. W. Phillips. In attendance : Miss A. G. Spalton.

Among the matters discussed were the following :—

Short Term Subsistence Allowances.

The Management Side reported that they had again considered the Staff Side's suggestion that the provisions for subsistence allowances and travelling expenses as applying in the local authority service to administrative, professional, technical and clerical staff should be adopted for health service staff. The Management Side had not, however, been able to agree to this and once again asked the Staff Side to consider their proposals regarding conditions which they felt should attach to the granting of subsistence allowances. This the Staff Side agreed to do.

Removal Expenses.

The Management Side was still considering certain counter-proposals which had been put to it by the Staff Side but was not in a position to give a definite reply. The Staff Side indicated that the matter was urgent and asked for a reply to be received before the next meeting.

Mileage Allowances.

The Management Side had submitted certain written proposals with regard to mileage allowances, but these were not found acceptable by the Staff Side, who had again put forward their own proposals for consideration. These the Management Side were not able to accept, and accordingly the Staff Side was requested to consider the matter again.

Travelling Allowances on Transfer.

It was agreed that this question should not be pursued as the Staff Side was of the opinion that most of the difficulties arising in this connection could be resolved locally by direct approach to the employing authority.

Reservists recalled to the Forces.

The issue of General Council Circular No. 28 regarding make-up of pay for reservists recalled to the Forces was reported.

Redundancy.

The Staff Side put forward proposals with regard to the dismissal of staff on grounds of redundancy which it was agreed to consider at a meeting of an *ad hoc* committee.

Joint Consultation for staff employed elsewhere than in Hospitals.

It was agreed that the General Purposes Committee should be instructed to examine the problem of establishing joint consultative machinery for staff employed in the offices of regional hospital boards, executive councils, dental estimates boards and other non-hospital health service authorities.

Unallocated Grades.

It was agreed to recommend that legal advisers should be allocated to the Administrative and Clerical Staffs Council. It was also agreed that regional engineers and regional architects employed by regional hospital boards together with junior architectural and

engineering staff employed by regional hospital boards should be allocated to the Professional and Technical "B" Staffs Council and it was further agreed that Professional and Technical "B" Staffs Council would be appropriate for any architects and junior architectural staff employed in teaching hospitals.

Hospital Staffs Consultative Committees.

The terms on which deputies could be appointed to management sides of joint consultative committees were agreed.

Items Deferred.

Among the items deferred for further consideration were the following : arbitration agreement, appeals machinery in disciplinary cases, hospital cadet grade and post-entry training.

STAFF SIDE MEETING.

A meeting of the Staff Side took place on Friday, 27th July, 1951, in Room 105, Sub-ground Floor at the Ministry of Local Government and Planning, Whitehall, London, S.W.1., the following being present : Administrative and Clerical Staffs Council : Mr. L. Bevan, Mr. J. Richards, Mr. Bryn Roberts, Mr. S. R. Speller (Secretary). Ancillary Staffs Council : Mr. S. J. Barton (substitute for Mr. S. Hill), Mr. C. F. Comer. Medical Whitley Council : Dr. F. Hall (substitute for Dr. C. Metcalfe Brown), Dr. A. Macrae. Nurses and Midwives Council : Miss N. K. Ross (substitute for Miss F. G. Goodall). Pharmaceutical Staffs Council : Mr. H. Noble, Mr. A. G. Shaw. Professional and Technical "A" Staffs Council : Mrs. E. Gwilt (substitute for Miss M. J. Neilson), Mr. Ben Smith (Chairman). Professional and Technical "B" Staffs Council : Mr. W. J. Jepson, Mr. G. W. Phillips. In attendance : Miss A. G. Spalton.

The business of the Staff Side meeting was the consideration of matters which were on the agenda for the meeting with the Management Side, and reported above.

* * *

ARREARS OF SUBSCRIPTION.

It was reported to Council at their last meeting that there are many subscriptions still outstanding.

I am sure that those of you who have overlooked this rather important condition of membership will agree that unless these fees are paid when due the Institution cannot function.

If you have not already sent your remittance, will you please do so NOW?

The address is :—

H. S. CLARKE, Esq.,

14 The Villas,

St. Mary's Hospital,

Stannington, Morpeth,

Northumberland.

Please make cheques payable to "The Institution of Hospital Engineers," and not to individuals.

CHANGE OF ADDRESS.

WELSH BRANCH.

Please note that the Branch Secretary's address is now :—

V. RILEY, Esq.,

7 Heol-Tyn-Bae,

Rhwilina,

Glam.

SCOTTISH BRANCH.

R. H. SMITH, Esq.,

The Bungalow,

Glengall Hospital,

Ayr.

GLASGOW SUB-BRANCH.

G. A. MACKENZIE,

Cornhill Cottage,

Jeanfield Road,

Perth.

EAST MIDLAND BRANCH.

Members will learn with regret that Mr. J. Green has been obliged to resign the office of Branch Secretary owing to illness and we wish him a speedy recovery. The new Secretary is :—

G. B. METCALFE, Esq.,

74 Shilsby Road,

Boston, Lincs.

OFFICIAL NOTICE.

IMPORTANT REFRESHER COURSE FOR WORKS AND PLANT ENGINEERS.

Details are published of a high-level Refresher Course for works and plant engineers over a wide area surrounding Birmingham.

The Course, for responsible engineering executives, will be conducted at The College of Technology, Birmingham. The series of important Papers, by specialists drawn from industry throughout the country, will be presented weekly on Friday evenings for a period of twenty-three weeks, commencing on October 12th, 1951. Each Paper will be followed by intensive discussion.

The Course is based upon those previously held at Nottingham and at Bristol, the success of which so profoundly impressed observers.

This Birmingham Course has been arranged in consultation with the area Chairmen of the Institution of Mechanical Engineers, the Institution of Electrical Engineers, the Institute of Fuel, the Institution of Heating and Ventilating Engineers, and the Institution of Plant Engineers, in collaboration with the Ministry of Fuel and Power and the Regional Advisory Council for Further Education.

The syllabus is designed not only to increase knowledge but to make better use of existing knowledge, and to promote the application of up-to-date techniques in works engineering practice over an extremely wide field. The subjects will be :—

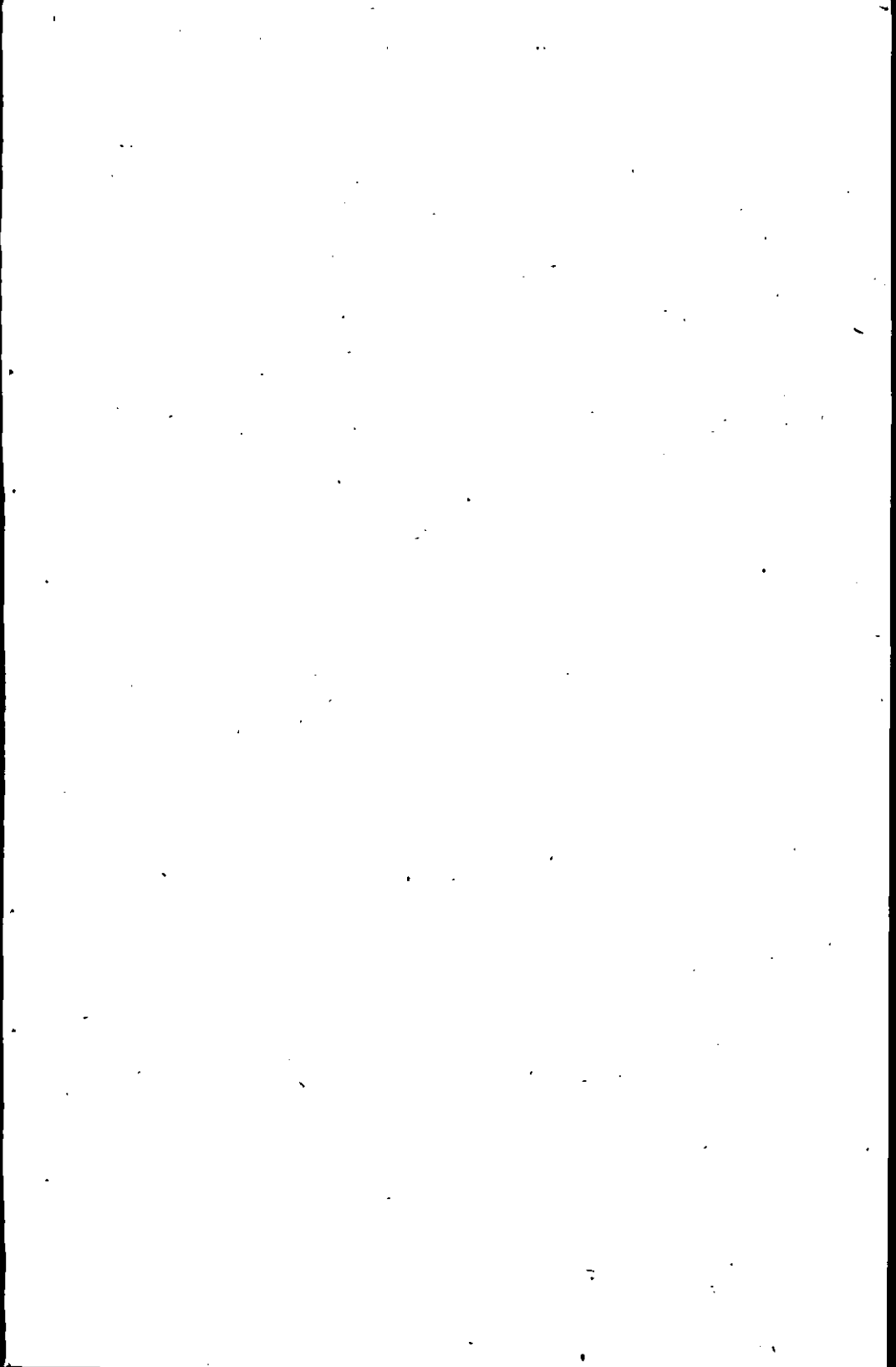
Planned Maintenance ; Modern Developments in Mechanical Transmission of Power ; Materials Handling Plant ; Lubrication ; Combustion and Steam Raising ; Steam Utilisation ; Distribution and Utilisation of Electricity ; Heating and Ventilation ; Surface Treatment of Metals and Alloys ; Compressed Air Plant ; Pumping Plant ; Instrumentation of Plant ; The Plant Engineer and Management.

The fee for the full twenty-three weeks' course will be £3 3s. 0d.

There cannot be any doubt that this Birmingham Refresher Course will serve a vital need in the region and, if we judge from the experience at Nottingham and at Bristol, should prove to be a resounding success.

A brochure describing the Course can be obtained on application to The Registrar at The College of Technology, Birmingham, 1.

EDITOR.



INCOME AND EXPENDITURE ACCOUNT

1949		£	s.	d.
£	To Disbursements of the Council, including Hire of Halls, Stationery, Delegates' Travelling, Hotel Expenses,			
793	Annual General Meeting, Expenses, etc.	953	13	10
111	Branch Secretarial and General Expenses, including Postages, Stationery, Hire of Rooms and Sundries ...	182	13	6
76	Printing and Stationery	79	14	7
68	Cost of Printing "News Letter" Journal	138	6	10
1	Bank Charges and Cheque Books	3	1	6
10	Audit Fees	12	12	0
10	Donations :—			
	Association of Supervisory Staffs, Executives and Technicians	20	0	0
	N.A.L.G.O. (H. Corser— Testimonial)	5	5	0
	British Standards Institution	3	3	0
	National Society for Cancer Relief	5	0	0
		33	8	0
	Subscription to the Institution of Hospital Engineers Benevolent Fund, being interest on Holding of Defence Bonds on Deposit Account	38	12	9
16	Examination Expenses	40	4	0
	Examination Prizes :—	£	s.	d.
	Drawing Instruments	10	10	0
	Textbook	2	5	0
		12	15	0
—	Legal Charges re Appeal against Termination of Service agreement of Mr. E. Robinson	39	1	6
902	Balance, being Excess of Income over Expenditure ...	556	15	9
£1987		£2090	19	3

for the Year ended 31st December, 1950

1949									
£						£	s.	d.	
1953	By Subscriptions due for the Year ...	...	...	...	...	1934	2	0	
3	.. Examination Fees ...	...	...	...	...		8	18	6
31	.. "News Letter" Advertisements ...	...	...	...	...		96	6	0
	.. Donations Received :—				£ s. d.				
	G. A. Sandford, Esq., for								
	Examination Prize ...	...	...	...	10 10 0				
	The United Cardiff Hospitals ...	...	...	...	2 10 0				
							13	0	0
	.. Gross Interest Received :—								
	2½% Defence Bonds ...	...	...	...	37 2 11				
	Deposit Bank Account ...	...	...	...	1 9 10				
							38	12	9

£1987

£2090 19 3

THE INSTITUTION OF HOSPITAL

INCOME AND EXPENDITURE ACCOUNT

£		£	s.	d.
1949				
6.	To Printing, Stationery and Postages		16	3
—	„ Bank Charges		5	0
j—	„ Legal Charges re Trust Deeds	15	9	0
79	„ Balance, being Excess of Income over Expenditure ...	77	16	0

<u>£85</u>	<u>£94 6 3</u>
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BALANCE SHEET

£		£	s.	d.	£	s.	d.
1949							
	INCOME AND EXPENDITURE ACCOUNT						
	Balance at 1st January, 1950 ...	277	14	8			
278	Add Excess of Income over Expenditure						
	for year	77	16	0			
					355	10	8

CURRENT LIABILITIES

1	Petty Cash due to Honorary Secretary	...	...	—
<hr/>				<hr/>
£279.				£355 10 8

ENGINEERS BENEVOLENT FUND

for the Year ended 31st December, 1950

£		£	s.	d.	
1949		52	4	9	
65	By Members' Subscriptions received during year				
20	„ Subscription from the Institution of Hospital Engineers :—				
		£	s.	d.	
	Interest on £1750 2½% Defence Bonds	37	2	11	
	Deposit Account Interest.	1	9	10	
			38	12	9
—	„ Interest on Post Office Savings Bank Account		3	8	9
£85		£94	6	3	

as at 31st December, 1950

£		£	s.	d.	£	s.	d.
1949							
	CURRENT ASSETS						
	Cash Balances :—						
268	At Barclays Bank Ltd., Didsbury.						
	Manchester...	155	6	5			
—	Post Office Savings Bank Account	153	8	9			
—	Petty Cash in Hand	5	1				
					309	0	3
	Due from the Institution of Hospital Engineers :—						
11	Interest on 2½% Defence Bonds				46	10	5
£279					£355	10	8

AUDITOR'S REPORT TO THE MEMBERS

I report to the members that I have examined the foregoing Accounts together with the books of the Benevolent Fund and the Vouchers relating thereto, and have verified the assets and Cash Balances. I have obtained all the information and explanations I have required and in my opinion the Balance Sheet is properly drawn up so as to exhibit a true and fair view of the affairs of the Benevolent Fund, according to the best of my information and explanations given to me, and as shewn by the Books of the Institution.

3rd April, 1951.

Signed C. V. MILES,

Incorporated Accountant,

45 THE PARADE, CARDIFF.

BALANCE SHEET

1949							
£.				£	s.	d.	£ s. d.
	INCOME AND EXPENDITURE ACCOUNT						
2208	Balance at 1st January, 1950	...	...	2208	4	1	
	Add Excess of Income over Expenditure	...	...		
	for year	...	...	556	15	9	
							2764 19 10

CURRENT LIABILITIES

41	Subscriptions in advance	...	...	55	2	6	
11	Due to Benevolent Funds :—						
	Interest on 2½% Defence Bonds	...	...	46	10	5	
	Sundry Creditor :—						
11	Audit Fee	...	...	12	12	0	
40	Petty Cash due to Branch Honorary						
	Secretaries	...	...	34	18	7	
							149 3 6

£2311

£2914 3 4

as at 31st December, 1950

1949	£		£	s.	d.	£	s.	d.
		FIXED ASSETS						
		Office Furniture and Equipment at Cost :—						
63		Typewriters	63	9	1			
		Desk and Chair (purchased during year)	19	16	11			
						83	6	0
		INVESTMENT						
1250		2½% Defence Bonds at Cost : Balance at						
		1st January, 1950	1250	0	0			
		Invested during the year	500	0	0			
						1750	0	0
		CURRENT ASSETS						
330		Subscriptions in Arrear	565	9	6			
		Cash Balances : at Barclays Bank Ltd.,						
		Victoria Park, Cardiff, Glam. £ s. d.						
353		Current Account	177	17	2			
301		Deposit Account	301	9	10			
			479	7	0			
14		Petty Cash in Hand, Branch Honorary						
		Secretaries	36	0	10			
						1080	17	4
		£2311				£2914	3	4

AUDITOR'S REPORT TO THE MEMBERS

I report to the Members that I have examined the foregoing Accounts together with the Books of the Institution and the Vouchers relating thereto and have verified the assets and Cash Balances. I have obtained all the information and explanations I have required and in my opinion the Balance Sheet is properly drawn up so as to exhibit a true and fair view of the state of the affairs of the Institution, according to the best of my information and the explanations given to me, and as shewn by the Books of the Institution.

3rd April, 1951.

Signed C. V. MILES.

Incorporated Accountant.

45 THE PARADE, CARDIFF.

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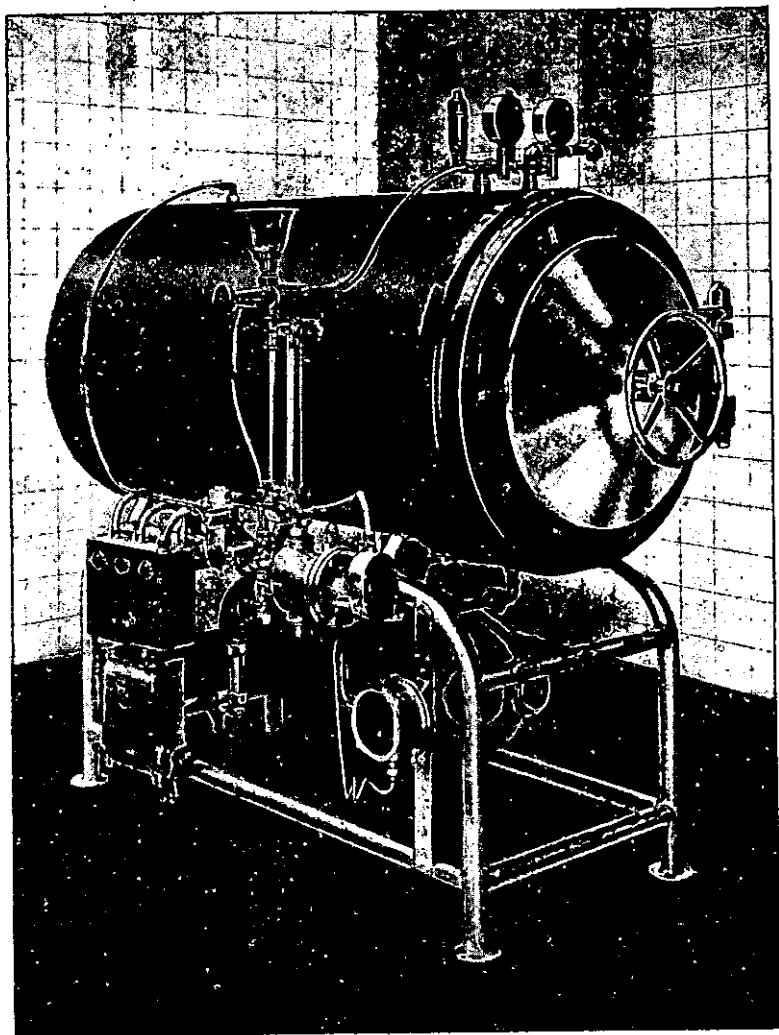
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