



# THE HOSPITAL ENGINEER

OFFICIAL JOURNAL OF  
THE INSTITUTION OF HOSPITAL ENGINEERS  
FOUNDED 1943.

*President :*  
THE LORD CALVERLEY OF BRADFORD D.L., J.P.

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January, 1949

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*Hon. Editor*—R. G. ROGERS, "ELMFIELD," STONE, AYLESBURY,  
BUCKS.

*Asst. Editor* : J. Chynoweth, Martin's Farm, Graylingwell,  
Chichester, Sussex.

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## EDITORIAL

THE machinery of this Institution has run fairly smoothly and at a high level of efficiency since its inception in 1943. This state of affairs is due mainly to the inventor and driver of the machinery, Mr. R. E. Rogers, the Honorary General Secretary. In common with most types of machinery certain parts warmed up at times and demanded skilful handling and careful lubrication, and both of these essentials were always immediately applied by Mr. Rogers whenever and wherever necessary. The result of this unceasing vigil and specialist attention is known to you all and reflects great credit on him.

A short time ago, Mr. Rogers was appointed Group Engineer to the South Warwickshire Hospitals' Group, and I am sure all members of the Institution will wish to congratulate him on his new appointment and wish him every success in his new office. Unfortunately, there is a sad ending to the story and members will learn with regret that Mr. Rogers felt obliged to place his resignation before Council, at their last meeting, due to other demands on his time. The duties of Honorary General Secretary of this Institution has demanded practically the whole of Mr. Rogers' leisure time since he took office, even to the extent of devoting his annual holiday to the business of the Institution, and those of his colleagues who have been closely associated with him in the conduct of the affairs of the Institution since its inception, and particularly during the period when we were negotiating with various bodies in our endeavour to establish Joint Conciliation Committees, and the subsequent negotiating Committees, have been astounded at the amount of work he has done.

Mr. Rogers in tendering his resignation stated that he would be able to continue his work as representative on the Whitley Council Committee if the Council so desired, and this offer was accepted unanimously.

Mr. H. S. Clarke of Northumberland, our membership Secretary, has been chosen as Mr. Rogers' Successor. He is one of the earliest members. He attended the inaugural meeting of the Institution and has been a member of Council continuously since that day. We are pleased he was able to accept the vacant post and wish him good luck in his new and difficult task.

A Meeting of Council was held at the Park Hotel, Cardiff, on Saturday, November 6th, 1948.

Present :—Mr. J. Tomlinson, Vice-Chairman, who occupied the chair in the absence of Mr. J. H. Hargreaves ; Messrs. R. E. Rogers, G. Jones, H. L. Eglin, C. Oliver, A. Bain, F. H. Mills, R. Smith, L. Thomas, R. Chesney, H. S. Clarke, H. Adams, R. G. Rogers, J. MacGregor, J. Forsyth, L. Hunt, W. F. Graham.

Apologies of absence were received from Mr. J. H. Hargreaves, (Chairman), Messrs. E. Heald, J. Chynoweth, M. Gray and G. Kelly

The Minutes of the last Meeting were taken as read, approved and signed by the Chairman.

Arising out of the Minutes, it was resolved that all nominations for Honorary Membership must be made in writing to the Hon. Secretary, when such nominations may be presented to Council at the first regular meeting following receipt of same. Council will decide if any such nominations can be accepted, and will approve or disapprove that such nomination be placed on the agenda for election at a subsequent Council Meeting.

Applications for Membership were considered and approved as follows :—

Members	.....	1
Assistant Members	.....	1
Graduates	.....	2
Referred back	.....	1

Four applications for transfer to higher grade of membership were considered and approved.

The Hon. Secretary read a letter from the B.S.I. acknowledging receipt of cheque £3 3s. 0d. with their thanks and appreciation.

The Hon. Secretary read correspondence from the M.O.H. relative to the resignation of Mr. Stanley Mayne and his successor Mr. Dodds.

It was agreed that Mr. Tomlinson represent the Institution along with Mr. M. Gray our Northern Ireland representative, at a Meeting of the N.I.H.A., on November 17th.

Arising out of resolutions received from the London and Yorkshire Branches, it was resolved that progress be commenced with a view to Incorporation, and that a sub-committee of 3 be appointed to examine and report back, on our Rules, etc.

Messrs. R. E. Rogers, R. G. Rogers and J. Forsyth were elected.

Arising out of a resolution from the Lancashire Branch, re Branch Areas, constitution and representation, a long discussion on the important point ensued and it was agreed that all branches prepare full particulars of each member, branch representatives will give a list of the particulars required and it is especially requested that these particulars are returned to the Hon. Secretary as early as possible.

The Treasurer submitted his Financial Report which was accepted.

The Hon. Secretary gave a full comprehensive report on the 3 meetings so far held re Whitley Council, and gave notification of meetings arranged. Messrs. J. Tomlinson and R. G. Rogers were nominated as provisional deputies on dates arranged and Messrs. J. Tomlinson and G. Jones agreed to serve also as arranged.

It was with deep regret and much concern that the resignation of Mr. R. E. Rogers, Honorary General Secretary to the Institution was received. Mr. Rogers said how very sorry he was to take this step, but after much consideration he felt it advisable and necessary to relinquish much of the work he had been doing for the Institution, in view of his new appointment.

Mr. Rogers was heartily congratulated on his new appointment as Group Engineer, Warwick, and many expressions of appreciation and esteem were voiced by members of Council.

The Chairman moved and it was unanimously agreed that :—

This Council desires to record its sincere appreciation and gratitude to Mr. R. E. Rogers for the years of unstinted work and loyal devotion which he has given unsparingly to The Institution of Hospital Engineers. The successful establishment of the Institution, is in great measure, due to his untiring efforts, and his undoubted ability in negotiation has been invaluable.

It was learned with great pleasure that Mr. Rogers would continue his work on the Whitley Council Committees.

The Council proceeded to elect an Hon. General Secretary. Mr. H. S. Clarke was asked to succeed to office and accepted.

Mr. R. E. Rogers read a letter received from a New Zealand Hospital Engineer, informing us of an Association of Hospital Engineers in that Country.

Mr. J. Tomlinson reported that our President, The Lord Calverley of Bradford, D.L., J.P., would be signing membership certificates in the near future, and he hoped to have them soon in the hands of Branch Secretaries.

It was agreed to place on the agenda for our next meeting of Council the question of rejected applicants joining up with other associations.

Mr. W. Bullivant, Vacancies Register Secretary, placed his resignation before Council, which was most regretfully accepted. Mr. Bullivant was thanked by the Chairman for his good service to the members of the Institution.

EDITOR.

**NATIONAL HEALTH SERVICE  
HOSPITAL MANAGEMENT COMMITTEES  
ENGINEERING STAFF**

1. This paper gives guidance on the conditions of service and remuneration of the officers responsible for the hospital engineering services, to which reference was made in H.M.C.(48)2.

2. Except in the case of the smallest hospitals, a competent member of the engineering staff should be at all times within easy reach of each hospital. It is contemplated that, except where the composition of the group does not justify the post, there should be appointed for each Management Committee group an engineer, to be known as the Hospital's Engineer, who should be responsible to the Management Committee for the engineering services of all the hospitals in the group, as well as being in immediate charge at one of the hospitals. The engineering services at an individual hospital in the group should be in the care of an officer whose grading is determined by reference to the size of the hospital and the nature and extent of the services provided. Further details of the types and duties of staff which may be required are set out in the Appendix.

3. Approved scales of salaries for the various grades of engineering staff are set out in the Appendix. Entry should be at the minimum of the appropriate scale, except that transferred officers should either (a) enter the scale at the minimum, or, where their existing salaries are above the minimum but within the scale, at their existing salaries, or (b) if they so desire, remain on their present salary scales and conditions in accordance with the terms of paragraph 11 of H.M.C.(48)2.

4. In the case of Hospital Engineers, Engineers-in-charge, and Assistant Engineers-in-charge who are employed in the London postal area, the salary scales set out in the Appendix should be weighted by the addition of :—

£20 on salaries up to and including £760 where the officer is under 26 years of age.

£30 on salaries up to and including £760 where the officer is 26 years of age or over, and on all salaries between £761 and £800 (inclusive).

£40 on salaries between £801 and £1,000 (inclusive).

5. These salary scales are inclusive rates of remuneration. Where meals on duty are provided, a charge of £20 per annum should be made. Where the post is a resident one and board and lodging, or accommodation are provided, a charge equal to the value of the service provided should be made.

6. Hours of work and other general conditions of service for the various grades of engineering staff should be those at present in force for these grades in the particular hospitals to which the officers are appointed.

7. The Committee will wish to know that Regional Boards have been authorised to appoint a Regional Engineer on their headquarters staff. These Regional Engineers will not have executive functions in regard to the operation and maintenance of engineering services in the individual hospital, which is the responsibility of Management Committees; but they will be called upon to advise the Boards on maintenance schemes which Management Committees are required under Regulations to submit for approval, and they will be available for consultation as to the measures which may seem to be necessary to maintain the engineering services in any Management Committee area at a high level of performance.

Ministry of Health,  
Whitehall, S.W.1.  
July, 1948.

## APPENDIX TO H.M.C.(43)40 ENGINEERING STAFF

### (a) Hospital's Engineer.

A Hospital Management Committee having within the Group a hospital of not less than approx. 200 patient beds which has a steam boiler plant in everyday use for the main services of the hospital should appoint an officer to be known as the Hospital's Engineer.

**Training.** He should be mechanically trained, having served an apprenticeship in Mechanical Engineering or have otherwise acquired a suitable practical training. He must have a sound knowledge of the principles and practice of the efficient operation of institutional boiler plants and engineering services generally, and also possess electrical experience.

**Qualifications.** For new appointments subsequent to the general absorption of existing staff, not less than one of the following:—

- Higher National Diploma in Mechanical Engineering.
- Higher National Certificate in Mechanical Engineering.
- Diploma in Mechanical Engineering of a recognised Technical College.
- Extra First Class, First Class, or Second Class Certificate of Competency in Marine Engineering, or equivalent Naval Certificate.

It is envisaged that in due course all new appointments to the highest ranking posts of hospitals Engineer should be made from persons holding a qualification at least up to the standard of the Higher National Diploma or Certificate.

**Salary.** According to the number of points allotted to the Management Committee Group. London weighting in addition.

Points	Scale
1 - 10	£450 - 20 - 550
11 - 20	£500 - 20 - 600
21 - 30	£560 - 20 - 660
31 - 40	£620 - 25 - 720
41 - 50	£680 - 25 - 780
51 - 60	£740 - 25 - 840
over 60	£800 - 25 - 900

**Duties.** A whole time officer of the Management Committee, who would be responsible for the satisfactory operation and maintenance of the engineering services in the group and may be responsible for the maintenance of the fabric of the buildings. He should be directly in charge of the engineering services in one of the hospitals, where he should reside or be within easy reach ; should supervise as required the carrying out of works of engineering maintenance ; shall keep all records required for the effective and efficient control of the engineering staff, plant, services, and equipment ; and may be required to advise neighbouring Management Committees whose engineering installations do not justify the appointment of a Hospital's Engineer.

**(b) Engineer-in-Charge.**

One to be appointed generally at each hospital of not less than 200 patient beds having a steam boiler plant in every day use for the main services of the hospital, except in the case of the hospital at which a Hospital's Engineer is stationed, where an Engineer-in-charge would be appointed only if it is an acute general hospital of 200 patient beds upwards or, if a hospital of another type, of 300 patient beds upwards.

**Training.** As for the Hospital's Engineer.

**Qualifications.** As for the Hospital's Engineer or, alternatively, to be undertaking a course of study leading up to one of the qualifications mentioned.

**Salary.** According to the size of the hospital, as follows, with London weighting in addition.

Less than 500 patient beds	....	£400 - 20 - 500
500 or more patient beds	....	£450 - 20 - 550



**Duties.** A whole time officer of the Management Committee responsible under the Hospital's Engineer for the satisfactory maintenance and operation of the engineering services of the hospital to which he is attached or to which he may be posted as relief.

(c) **Assistant Engineer-in-charge.**

It may be desirable to appoint, at a hospital which does not justify an Engineer-in-Charge, an engineering Supervisor of a higher standard than a foreman artificer. This officer should preferably be of a calibre potentially able to advance to the higher posts, who has completed his practical training and is studying to fit himself for promotion in the service. In effect, this would be a 'cadet' Grade in the engineering organisation.

**Salary.** £350(x)15 x £425, plus London weighting.

**Duties.** As for Engineer-in-Charge.

(d) **Foreman Mechanic.**

At institutions where the appointment of one of the foregoing grades of supervisory engineer is not appropriate, the maintenance of the engineering services and the supervision of their general operation can be entrusted to a practical General mechanic who should be paid the local rate of pay.

(e) **Stoker Handyman.**

The general duties associated with stoking and minor items of day to day semi-skilled maintenance should in the case of the smallest establishments be within the scope of a stoker handyman who should be paid the local rate of pay.

(f) **Building Foreman.**

The employment of a building foreman (at the local rate of pay) may be necessary in the case of a Management Committee group which carries a staff of building tradesmen and labourers for maintenance and the smaller direct labour building works, and the Hospital's Engineer has insufficient knowledge of building matters. It is envisaged that this arrangement should only operate in the largest groups, particularly those containing Mental Institutions.

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## **CARDIFF HOSPITAL MANAGEMENT COMMITTEE**

Applications are invited for the post of Hospital Engineer. Applicants should be mechanically trained, having served an apprenticeship in Mechanical Engineering and have qualifications at least to Higher National Diploma or Certificate in Mechanical Engin-

ceering. Further, must possess a sound knowledge of efficient operation of Institutional boiler plants and have electrical experience. The Officer appointed will supervise works of Engineering and fabric maintenance in the group of 16 hospitals. He will be directly in charge of the engineering services of the St. David's Hospital, Cardiff. Salary £800 x 25 - £900. Transferable Officers within the meaning of the Act, may elect to retain their existing salary and conditions of service. The appointment of a non-transferable Officer will be subject to a medical examination.

Application forms can be obtained from:—

The Secretary,

Cardiff Hospital Management Committee,

Nurses' Home Annexe,

City Isolation Hospital, CARDIFF.

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### CHESTERFIELD HOSPITAL MANAGEMENT COMMITTEE

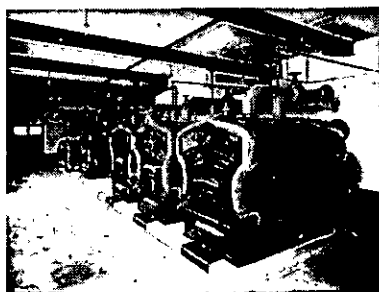
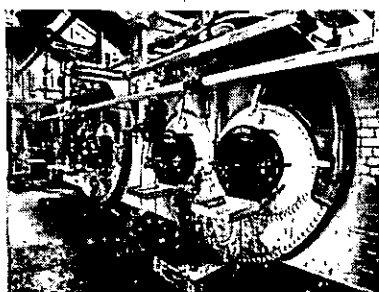
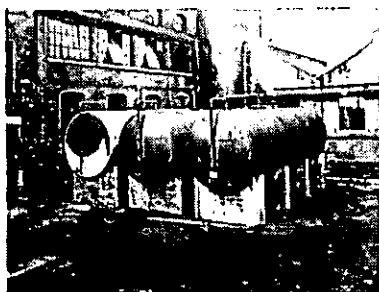
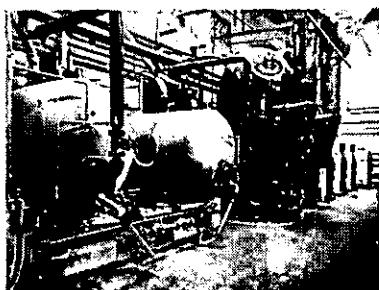
Applications are invited for the post of **Hospital's Engineer**. The person appointed will be responsible, through the Secretary of the Management Committee, for the maintenance and repair of all the engineering plant and equipment, the building fabric and for the supervision and allocation of duties of all artisans employed at the Hospitals in the Group. He should be able to prepare drawings and quantities as required and to keep records for the effective and efficient control of the engineering staff, plant, services, etc. He may be directly in charge of the engineering services of one of the Hospitals in the Group. Candidates should possess one or more of the following qualifications:—

(a) High National Diploma in Mechanical Engineering; (b) Higher National Certificate in Mechanical Engineering; (c) Diploma in Mechanical Engineering of a recognised Technical College; (d) Extra first-class, first-class, or second-class Certificate of Competency in Marine Engineering or equivalent Naval Certificate. Transferable officers within the meaning of the Act may elect to retain their existing salaries and conditions of service. The appointments of non-transferable officers will be subject to medical examination. Salary £680 x £25 to £780 per annum, and the post is superannuated. Applications stating age, education, qualifications, engineering training and experience, including details of present appointment and salary, together with names and addresses of three referees, should be sent to the undersigned as soon as possible.

M. H. BOONE, Secretary,

Chesterfield Hospital Management Committee,

Royal Hospital, CHESTERFIELD.



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## BRANCH NEWS

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### NORTHERN IRELAND BRANCH

Our readers will be pleased to learn that a very cordial and satisfactory interview took place between the Northern Ireland Hospital Authority and representatives of the I.H.E., on 17th November, 1948 at the Authorities Headquarters, Belfast.

The Chairman of the Authority, Dr. Montgomery. Vice-Chairman, Mr. W. McKinney. The Secretary, Mr. Jones, and the Chief Engineer, Mr. Harris met Mr. J. Tomlinson, London, our Vice-Chairman, Mr. W. Gillespie, Chairman N. Ireland Branch and Mr. M. Gray, Branch Secretary.

After our chief spokesman, Mr. J. Tomlinson had put forward the case for the I.H.E., and questions had been asked and satisfactorily answered by Mr. J. Tomlinson and Mr. Gillespie, the Chairman, Dr. Montgomery stated it was the policy of the N. Ireland Hospital Authority to organise the Hospital Services on a parallel with the Whitley Council in England, he believed the Aims and Objects of the I.H.E. were similar to those of the Authority and thought the Institution could assist to that end "The improvement of the Hospital Engineering Services, and would be happy to co-operate with the Institution of Hospital Engineers in any respect they could, recognizing the necessity of the smooth working of the Administrations as a whole, he desired to be kept informed of any measures approved of by the Ministry of Health, England, appertaining to Engineers and Deputy Engineers in Hospitals in Great Britain.

I would like to state that we were received and treated with the greatest courtesy throughout the entire deliberations.

We in Northern Ireland desire to express our appreciation to Mr. J. Tomlinson for his great assistance in obtaining this happy position. I will not enlarge on that at present.

M. GRAY, *Branch Secretary.*

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### THE SCOTTISH SOUTH EASTERN AREA BRANCH

Formed early in 1947, the original Members of the Branch worked hard to interest all hospital engineers within the area in the activities of our Institution. Reward for the work of these earliest Members is in seeing all but a very few of the hospital engineers within the area now attached to the Branch.

Time continuing to march on with still no alteration in the working conditions of many of our Members, whose lot is far from pleasant, began to breed a sense of frustration, and thus it was until the Branch was honoured by a visit from Mr H. S. Clarke, Hon. General Secretary.

The Management Board of The Elsie Inglis Memorial Maternity Hospital, have, since the inauguration of the Branch, provided accommodation for our Monthly Branch Meetings, and on Saturday, 20th November, 1948, we were still more deeply indebted to this generous Board when they provided the tea with which our Meeting was opened. Present were : Mr. H. S. Clarke, Hon. General Secretary, five visiting Members from Glasgow, and two visiting Members from Perth, along with a good turn out of our own Branch Members. After tea, the Chairman welcomed Mr. H. S. Clarke and the other visitors and then all sat back to listen to a very enlightening address by Mr. H. S. Clarke. He touched on every aspect of The Institutions' activities from the day it was formed with its rules to guide us. He advised how best to put our own houses in order. He told of the work that had been done in negotiations with employing authorities until The Institution had become a power in the hospital world and then the Meeting was thrown open to questions, but if I personally might remark, it became rather more of a debate in which everyone present seemed to welcome the opportunity to air his views.

Eventually "Time" had to be called, and I am sure many went back to their charges feeling that they were "Key Men" in the true sense of the word, much inferiority complex had been dispelled.

WM. GUTHRIE, *Branch Secretary.*

## SOUTHERN BRANCH

A Southern Branch Meeting was held at Graylingwell Hospital, Chichester, on November 13th last, when fourteen members were present.

Two applications were considered and both recommended for admission.

Officers for the year were elected as follows :—Chairman, Mr. J. C. Chynowett ; Secretary, Mr. F. J. Tivey ; Council members (2), The Chairman and Mr. J. Forsyth ; Committee (3), Messrs. R. Wellby, A. P. Shepherd and E. C. Rogers.

The Chairman gave a talk on E.C.T. electrodes and demonstrated the talk with different designs.

Our next meeting is to be held at Southampton in January next.

F. J. TIVEY, *Hon. Secretary.*

## EAST MIDLANDS BRANCH

The East Midland Branch held a Meeting at The Chesterfield and North Derbyshire Royal Hospital on October 9th, 1948. About half the members were present which was considered a good number having regard to the distance many members have to travel. A full account of both the Council and A. G. Meetings was given by the Hon. Secretary. The Members had quite a surprise on finding Mr. Tomlinson, Vice-Chairman of the Institution present at the meeting due to him being on holiday in the area. He was asked to address the Branch and gave a stirring talk on a variety of matters concerning the aims and objects of the I.H.E. Branch Meetings, and advice to members themselves. He also answered many questions concerning H.M.C. 48/40 and was warmly thanked for his address. Tea was kindly provided for us all by the Hospital authorities and we wish to express our gratitude for their splendid hospitality.

G. H. KELLY, *Branch Secretary.*

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## Editorial Notice

### YORKSHIRE BRANCH

I have been notified that Mr. Eglin has resigned the Secretaryship of this branch. The new Honorary Secretary is now:—

Mr. G. R. THWARTES,  
M. of P. Hospital,  
Chapel Allerton,  
LEEDS, 7.

to whom all Branch Correspondence should be addressed.

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I have been asked if it is possible to include a list of the Regional boundaries in the *Newsletter*. I should be pleased to do this as soon as I can collate the necessary data, but would prefer to publish a map showing these areas if one was available as a copy. I therefore appeal to any member who can procure a map shewing the Regions, etc., of a suitable size for reproducing in the *Newsletter*. I should be very pleased if it could be loaned to me.

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May I appeal to those members who are good enough to supply me with "Branch News," etc., and any other material for publication, to submit this on a separate sheet of paper, preferably typewritten. Thanking you for your previous articles.—EDITOR.

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