

# HOSPITAL ENGINEERING NEWSLETTER

## Elections to Council 1983

The following members of Council will retire by way of normal rotation, at the 1983 Annual General Meeting of the Institute (13th May):

J. B. Packer, *Nominated Member*.  
K. I. Murray, *General Member*.  
P. Jackson, *Area Member — Wales*.  
P. C. Vedast, *Area Member — London*.  
K. B. Worsell, *Area Member — North East and Yorkshire*.

With the exception of K. B. Worsell, all are eligible for re-election in their respective categories.

As a matter of normal practice Council does not offer nominations for Area Member seats, believing these to be the prerogative of the branches and of the membership. Council will offer the following nominations:

J. B. Packer, *Nominated Member*.  
K. I. Murray, *General Member*.

The usual notice regarding Elections to Council, incorporating Council nominations will go out to the entire membership early in January. *Branches are reminded that nominations for the appropriate Area Member seats and any additional nomination(s) for the General Member seat MUST reach this office within 14 days of the date of that letter to comply with the relevant Articles of Association (see Clause 67).*

## Annual Conference 1983 Manchester

As announced in the October issue, the Annual Conference for 1983 will be held at the Hotel Piccadilly, Manchester from 11th – 13th May.

As usual there will be a three day technical programme. On the social side, a separate Ladies Programme

## Annual Conference Programme

Wednesday 11th May, 1983

- 10.15 OFFICIAL OPENING by  
SIR JOHN PAGE OBE  
Chairman North Western Regional Health Authority  
Introduced by J. CONSTABLE Esq CBE CEng FICE FRICS FIMunE FIHospE  
President, The Institute of Hospital Engineering
- 10.30 THE BUILDING ENVELOPE — THERMAL DESIGN CONSIDERATIONS  
Speaker: PROFESSOR PETER BURBERRY  
Professor of Building University of Manchester  
Institute of Science & Technology
- Chairman:  
F. PARSONS Esq Dip Arch RIBA FIOB FFB  
Regional Works Officer  
North Western Regional Health Authority
- 14.15 KITCHENS — DESIGN AND MAINTENANCE CONSIDERATIONS  
Hygiene in Kitchens.  
Speaker: M. JACOBS Esq  
Environmental Health Officer  
Department of Health and Social Security
- Safety in Kitchens  
Speaker: G. G. DANIELS Esq CEng CGIA MRINA MIISM  
Lately one of HM Senior Engineering Inspectors of Factories  
Safety Consultant
- Chairman:  
W. J. SMITH Esq BSc CEng FIMechE FCIBS FIHospE  
Regional Engineer  
North Western Regional Health Authority

Thursday 12th May, 1983

HOSPITAL WASTE DISPOSAL

- CHAIRMAN for the day  
E M DAVIES Esq CEng FIMechE FCIBS FIHospE  
Regional Works Officer  
South East Thames Regional Health Authority and Chairman

of the BS 3316 Revision Working Party on Hospital Incineration

0915 NHS WASTE DISPOSAL

Speaker: R G KENSETT Esq BA CEng MIMechE MCIBS MIBM  
FIHospE  
Chief Engineer  
Welsh Health Technical Services Organisation

10.15 Coffee

10.45 LOCAL AUTHORITY DISPOSAL OF HOSPITAL WASTE

Speaker: W K TOWNEND Esq FRSH FBIM MInstWM  
Senior Assistant General Manager (Operations)  
Solid Waste Management Branch  
Department of Public Health Engineering  
Greater London Council.

MODERN APPROACHES TO INCINERATION PRACTICE

Speaker: DR C T CHAMBERLAIN BSc PhD CEng FInstE FIGasE  
Managing Director  
Universal Incineration  
Member of the BS 3316 Revision Working Party

12.30 Lunch

14.00 SAFETY AND ENVIRONMENTAL ISSUES WITH WASTE DISPOSAL

Speaker: M R WRIGHT Esq BA  
HM Principal Inspector of Factories  
Public Services Group  
Manchester Health and Safety Executive

ENERGY RECOVERY FROM THE BURNING OF HOSPITAL WASTE

Speaker: Dr C T CHAMBERLAIN BSc PhD CEng FInstE FIGasE  
Managing Director  
Universal Incineration  
Member of the BS 3316 Revision Working Party

SPECIFYING INCINERATOR PLANT

Speaker: K GRAY Esq CEng MIMechE MCIBS MInstE  
Principal Assistant Engineer  
Trent Regional Health Authority  
Member of the BS 3316 Revision Working Party

16.15 Open Forum

19.30  
for

20.00 CONFERENCE DINNER DANCE

Friday 13th May, 1983

10.30 REGISTRATION OF PRIVATE HOSPITALS —  
ENGINEERING AND OTHER ASPECTS

Speaker: R J SEAR Esq BSc CEng MCIBS FIHospE  
District Works Officer  
Solihull Health Authority

Chairman:

A. MILLINGTON Esq TEng(CEI) FIHospE  
District Works Officer  
Trafford Health Authority

12.00 CONFERENCE CLOSURE

by  
THE PRESIDENT  
THE INSTITUTE OF  
HOSPITAL ENGINEERING

has once again been devised and details can be obtained from the Institute Office, although a leaflet giving this information is being widely distributed this month.

The Lord Mayor and Lady Mayoress of Manchester are to give a Civic Reception for Conference Delegates and their Ladies in the Town Hall on the Wednesday evening, and the Annual Conference Dinner Dance will be held on the Thursday in the Hotel Piccadilly, when the principal guests will include Sir John Page OBE, Chairman, North Western Regional Health Authority and Mr John Bolton, Chief Works Officer and Director General of Works to the Department of Health and Social Security.

## Lucas Scholarship Fund

### Attendance at Annual Conference

The introduction of this scheme was very well received and earned a good response in its first year and will therefore be repeated in the same form in relation to the 1983 Annual Conference of the Institute to be held at the Hotel Piccadilly, Greater Manchester, May 11th - 13th.

Accordingly young members of the Institute, (under 28 years old on 28th February 1983) and resident in the United Kingdom or Eire who would like to attend the Annual Conference of the Institute as residential delegates are invited to make written application to:

*The Secretary,  
The Institute of Hospital Engineering,  
20 Landport Terrace,  
Southsea PO1 2RG.*

*(Telephone: Portsmouth (0705) 823186).*

All reasonable expenses will be paid (Conference fee, Conference Dinner Dance Ticket, hotel accommodation and travelling expenses).

APPLICATIONS SHOULD REACH THE INSTITUTE BY THE 28th FEBRUARY 1983.

When submitting applications, candidates should offer full curriculum vitae giving:

1. Academic achievements
2. Practical training.
3. Full career details.
4. Date of Birth.
5. Confirmation that leave of absence to attend the Conference will be granted.

Selection of the Award Winners will be made by an Assessment Panel appointed by Council.



## Annual Conference 1984

The 1984 Annual Conference of the Institute will be held in Bristol from the 16th - 18th May.

Members are requested to make an early note in their diaries.

## North Western Branch News

On Thursday 10th November, members of the North Western Branch enjoyed an extremely instructive talk on Oxygen Concentrators for supplying hospital pipeline systems, given by Mr N. Gaskill of MGI Ltd, who is also a Branch member.

The evening included slides showing a recent installation at West Cheshire Hospital and also a working demonstration of the principles involved by means of a small unit designed for domestic use.

The meeting was held at Astley Hospital, near Leigh, Lancashire, and the audience included members from Yorkshire and Merseyside as well as Pharmacist visitors.

The December meeting was held on Thursday 10th, when Branch Members were guests of Plessey Communications Ltd at their offices in Manchester. The meeting comprised a talk on modern SPC Telephone Exchanges and 'what the future holds in store', together with a practical 'hands on' demonstration of the latest equipment. Refreshments were provided by our hosts and a most enjoyable evening was had by all.

## Joint meeting with CIBS

The Institute is to hold a joint meeting with the CIBSS Electrical Services Group to examine early operational experiences of Britain's first 'All-Electric Hospital', on Thursday 3rd February, 1983.

The venue is The Royal Institution in Albermarle Street, London (nearest Tube - Green Park) and the time, 5.30 pm for 6.

The Chairman of the meeting will be Mr John Bolton, Chief Works Officer and Director General of Works, DHSS and the speakers will be:

Mr. M Cooper-Reade of Eastern Electricity Board, - 'Aspects of the design of the building services for Fenland House, St. John's Hospital Peterborough'.

Mr I. Alexander of East Anglian Regional Health Authority, - 'Commissioning of the plant and early operation experience'.

## The Institute of Hospital Engineering

in conjunction with the  
Health and Safety Executive  
and the

Department of Health and Social Security

One day Symposium - Wednesday 23rd March 1983

## "Responsibility for Safety in the use of Catering Equipment and Steam Plant"

Venue: Kensington Town Hall, Hornton Street, London W8

Safety inspectors have identified from their visits to hospitals a need for increased awareness of the potential hazards in the use of catering equipment and steam plant. At this symposium some typical hazards will be described and the need for an effective dialogue between catering and works departments will be stressed.

### PROGRAMME

- 10.00 Coffee
- 10.30 OFFICIAL OPENING by:  
JOHN CONSTABLE Esq CBE CEng FICE FIMunE  
FIHospE  
President, The Institute of Hospital Engineering
- CHAIRMAN for the day
- 10.40 RESPONSIBILITY FOR SAFETY  
Speaker: R. J. ATKINS Esq BA  
HM Senior Principal Inspector of Factories Health and Safety Executive
- 11.30 LEGAL ASPECTS SPECIFIC TO STEAM EQUIPMENT  
Speaker: C. L. EATON Esq CEng MIMechE FIMarE  
HM Senior Engineering Inspector  
Health and Safety Executive
- 12.30 PRACTICAL PROBLEMS WITH STEAM EQUIPMENT  
Speaker: F. PYBUS Esq TEng(CEI)  
Professional and Technical Officer  
Department of Health and Social Security
- 13.00 Lunch
- 14.15 MAINTENANCE FROM A CATERING OFFICER'S VIEW  
Speaker: B. FROST Esq  
Officer, Catering and Dietetics  
Department of Health and Social Security
- 14.45 HAZARDS WITH CATERING EQUIPMENT  
Speaker: G. G. DANIELS Esq CEng CGIA MRINA MIISM  
Lately one of HM Senior Engineering Inspectors of Factories, Safety Consultant.
- 15.30 Open Forum

Reduced Rate Rail Fares and Hotel Accommodation - Substantial Rail fare reductions are available for delegates attending this Symposium. Grand Metropolitan Hotels in London are prepared to offer delegates a reduction on their normal rates.

Application forms to obtain these reductions and tickets for the symposium may be obtained ONLY from The Institute of Hospital Engineering. Cost £40.25.

Mr J. Leary of The Electricity Council, — 'Energy monitoring of the hospital's electrical consumption'.

They will be followed by adequate time for full discussion and questions. There will be no registration fee in relation to this meeting. It would be helpful if those hoping to attend would inform the Institutes office (or their Branch Secretary) so that total estimated attendance is known.

## Service on CEI Committees

Council is most pleased to announce that three of its nominations have been elected to serve on CEI Committees.

They are:

- R. J. Ashton, Internal Affairs Committee.
- M. L. F. Franck, Home Affairs Committee.
- S. Ratcliffe, Technical Affairs Committee.

## Members' News

Council of the Institute, through its Publications Committee, is keen to increase the volume of personal news

contained in the 'domestic' section of the Journal.

To this end, we intend to publish information of members new appointments at whatever level.

Accordingly, members are invited to advise the Institute office, or their Branch Secretary if they prefer, when they obtain a new post. If, at the same time, they care to offer brief 'biographical' or career details all the better, but of course, this is a matter for the individual's preference.

## R. G. Freestone retires.

Dick Freestone is retiring from his post as District Engineer at Addenbrook's Hospital, Cambridge.

Since joining, back in 1954, Dick's

contribution to the Institute has been very much above average. He was Council Member for the East Midlands Branch of the old Institution from 1961-1966, and so was closely involved in all the events, and moves, leading up to Incorporation.

He gave further service on Council until he retired, by way of normal rotation, in 1978.

His contributions at Branch level were considerable too, as an officer of the East Midlands Branch, and later, after his move to Cambridge, as Branch Chairman and Branch Honorary Secretary, which office he held for many years.

Our best wishes for a very happy retirement.

## Appointment of District Works Officers Oxford RHA

East Berkshire  
West Berkshire  
Milton Keynes  
Aylesbury Vale  
Kettering  
Northampton  
Oxfordshire  
Wycombe

G Davies CMIF CEng MIMechE MCIBS  
G F Mason CEng MIMarE  
M J Bailey CEng MIMechE FIMarE MIPlantE MIHospE  
C R A Meyer CEng MIMechE FIHospE  
J Northwood LIOB  
P J Roberts ARIBA  
P J Tankard CEng MIMechE MBIM FIHospE  
Appointment not yet made.

# Forthcoming Branch Meetings

**Southern Branch** Hon Sec: R. P. Boyce Chichester (0243) 781411  
15th January 3 pm Incineration/Heat Recovery

Queen Alexandra Hospital Portsmouth

**East Anglian Branch** Hon Sec: M. Brooke Great Yarmouth (0493) 50411  
15th January Catering Equipment

Presentation by Hobart Ltd, Cambs.

**Midlands Branch** Hon Sec: W. Turnbull Birmingham (021) 378 2211 ext 3590  
25th January Impressions of a Holiday in Sri Lanka Dental Hospital, Birmingham  
Dr. R. P. Graham.

22nd February

Fire Detection Systems in Health Care Buildings - Mr Northey

West Midlands RHA

**London Branch** Hon Sec: P. C. Vedast (01) 807 7340  
25th January Control of Pollution Waste Disposal

Wolfson Lecture Theatre  
National Hospital, Queen Square.

**North Western Branch:** Hon Sec: E. A. Hatley Manchester (061) 236 9456 ext 352  
26th January Visit to Christie Hospital, Manchester  
22nd February Paper on the New IEE Regulations by NORWEB

**Welsh Branch** Hon Sec: T. Roche Bridgend (0656) 721276  
12th January Water Treatment (Nalfloc)

9th February

Joint Meeting with the South Western Branch on Computers for Managing Maintenance

Board Room  
Singleton Hospital, Swansea  
Athol Riddell Lecture Theatre  
Medical School Unit  
Southmead Hospital, Bristol.

Those wishing to attend any of the above meetings please contact the relevant Branch Secretary.

## Classified Advertisements

APPOINTMENTS  
and SITUATIONS VACANT

West Dorset  
Health Authority

### SENIOR ENGINEER

(Male/Female)

Salary scale £7,231 rising to £8,370 per annum plus 15% bonus scheme allowance, required for the Herrison Works Section, which is a large psychiatric hospital. Applicants should have completed an apprenticeship in mechanical or electrical engineering.

A minimum qualification of HNC in Engineering required or an appropriate equivalent as laid down by the Department of Health and Social Security. Candidates must have experience in management of mechanical/electrical plant, up-to-date maintenance planning, control and deployment of staff, also a flair for administration.

For further information and job description, contact the District Works Department, Damers Road, Dorchester, Dorset. Tel: (0305) 63123 Ext. 311. Closing date 14 days after the appearance of this advertisement.

### General Accident

require a

**CHIEF ENGINEER**  
Air-Conditioning, Mechanical and  
Electrical Installation

One of the country's leading corporate insurance groups require a Chief Engineer for its New Head Office Complex in Perth. The Chief Engineer will be responsible for the efficient and economical co-ordination of air-conditioning, mechanical, electrical and automatic controls installations. Particular emphasis is place on energy conservation, and a Building Automation System has been installed.

Applicants should have experience of large refrigeration and boiler plants installations together with VAV and dual duct air-conditioning systems with high voltage electrical distribution.

Highly developed management and communication skills are essential as is the ability to work on personal initiative.

A significant fringe benefit package is available.

*Write in the first instance giving brief details of career and experience to:*

The Staff Manager (Head Office), General Accident, General Buildings, Perth PH1 5TP.

## 23rd IHF Congress + HOSPINTEX

(International Hospital Exhibition)

**Lausanne, Switzerland**  
**June 27 - July 1, 1983**



*More economy, more  
efficiency,  
more humanity: 5 days with  
the world's top hospital  
professionals.*

### DISTRICT ENGINEER

Salary £12,478 - £14,832 (Scale VII)

Applications for the above post are invited from former Works Officers, Area Engineers, Area Building Officers, District Engineers and Building Officers and Sector Works Officers employed in the National Health Service.

Salford is an active Teaching District comprising 8 Hospitals and associated Health Centres and Clinics. The scope of the Engineer will be extensive, and the post offers an opportunity to participate in most of the activities of a lively Works Department. These include the management of the District Engineering and Building Operation and Maintenance, some planning and execution of Capital Schemes, and attendance at many of the Authority's meetings.

There is close collaboration with the University of Manchester and the City of Salford. The head office of the Works Department is based in Eccles, some six miles west of the centre of Manchester.

Application Forms, Job Description and further details can be obtained by writing to the Works Officer, Salford Health Authority, 2nd Floor, Peel House, Albert Street, Eccles, Manchester M30 0NJ, or by telephoning Mrs. Brown on 061-707 5000.



Health  
Authority

# OPPORTUNITIES IN ZIMBABWE



## **MINISTRY OF HEALTH MAINTENANCE TRAINING OFFICER/ENGINEER IN X-RAY DEPARTMENT**

### **DUTIES:**

The development, supervision and teaching of courses on X-Ray & Radiotherapy equipment maintenance.

The co-ordination and provision of in-service practical training on maintenance of equipment, including their repair and calibration.

Equipment includes:

Generators from below 200MA to above 500MA, Mobile Units and static and mobile condensor discharge units.

Examination table from floating to bucky tables to specialised tilting tables such as tomographic, fluoroscopic and urographic.

Mobile and static image intensifiers with close circuit television systems.

Radiotherapy and Radioisotope equipment including Cobalt teletherapy units, deep and superficial therapy units, simulators, isotope scanners, uptake units and gemma cameras.

Film processing equipment and other accessories.

The Co-ordination of joint training programmes, evaluation of trainee performance and other duties closely involved with training, and machine maintenance.

### **QUALIFICATIONS:**

Applicants must possess relevant professional qualifications in Electrical/Mechanical and or Biomedical Engineering and have seven or more years experience in repair and maintenance of the above mentioned equipment.

### **WE OFFER YOU:**

Three year contracts including airfares and a reasonable baggage allowance. In addition to the generous salaries paid in Zimbabwe, one third is remittable outside Zimbabwe.

For further information, write to:

**The Secretary – Public Service Commission,  
P.O. Box 8080, Causeway, Harare, ZIMBABWE.**

And Applicants are to provide the name and address of two Referees and provide a brief curriculum vitae which must state the courses taken each year of the professional or technical training.

# OPPORTUNITIES IN ZIMBABWE



## **MINISTRY OF HEALTH MAINTENANCE TRAINING OFFICER/ENGINEER IN ELECTRO-MEDICAL DEPARTMENT**

### **DUTIES:**

The preparation of detailed training schedules for technicians on the following equipment:

- Physiotherapy (Medical diathermy, ultrasound)
- Intensive care (Ventilators, patient monitoring, Renal)
- Laboratory (Haematology counters, biochemical analyzers, spectrophotometers).
- Diagnosis/Examination (E E G, E C G, Audiometry, Optical)
- Theatre (Electrosurgery, Cryo Units, Lights)
- General (Suction equipment, Sterilizers).

The preparation and supervision of trainee assessment, recommendations on training programmes and trainees, repair and/or assist in repair and maintenance of above equipment and other duties allied to training and equipment maintenance within the electro-medical department.

### **QUALIFICATIONS:**

Applicants must possess relevant professional qualifications in Biomedical Engineering and have seven years or more experience on repair and maintenance of the above mentioned equipment.

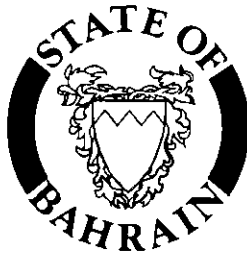
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## Ministry of Health

# CHIEF ENGINEER

From £25,500 p.a. Tax Free\*

The Bahrain Ministry of Health are seeking a Chief Engineer to be responsible for matters pertaining to the capital building programme and the maintenance of all health care buildings and engineering services.

The successful candidate will be responsible for liaising with the Ministry of Works on major construction projects. The Chief Engineer will have a staff of 9 professional Engineers supported by a work force of some 340 employees.

Applications will be considered from fully qualified Graduate/Chartered Engineers with a minimum of 10 years' professional and administrative engineering experience, at least 5 of which must have been at senior level in a health or similar organisation of comparable engineering complexity. Starting salary (paid in Bahrain Dinars), is negotiable depending on over-all suitability.

This is a 2-year contract (renewable) with 36 days annual home leave, with passage paid. Married accommodation with hard furnishings is also provided at no charge.

Please submit detailed C.V. quoting ref. P-0830-7/HH, to:

**Chief, Recruitment and Placement, Civil Service Bureau,  
P.O. Box 1066, Manama, Bahrain (Arabian Gulf).**

\*Salary quoted is at current exchange rate.

### Building Services Engineering in the NHS

## PRINCIPAL ASSISTANT ENGINEERS

### PLANNING

Salary £10,395 – £12,567 p.a. (under review)

The West Midlands Regional Health Authority is one of the largest in the country. Its area covers not only the West Midlands, but also the counties of Hereford, Worcester, Warwickshire, Shropshire and Staffordshire.

Our Regional Engineer's Division has a responsibility for over 200 hospitals, plus an even greater number of ancillary buildings, with an annual budget for construction works in excess of £30m.

Right now we are looking for first class Building Services Engineers to join our planning teams.

Applicants must have a thorough knowledge of building services design as responsibilities involve overseeing the engineering content of projects throughout design, construction and commissioning stages. Naturally this involves briefing and liaison with other parties, both internal and external, so your technical expertise should be backed by an approachable yet decisive nature.

Corporate membership of either IMechE, IEE or CIBS is required.

For further information, job description and application form, please write or telephone quoting reference G79A to the Personnel Division, West Midlands Regional Health Authority, 1st Floor, Cumberland House, 200 Broad Street, Birmingham B15 1SW. Tel: 021-643 5781 ext. 39.  
Closing date for receipt of completed applications: 4th February 1983.

**West Midlands Regional Health Authority**

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Secretary: J.E. Furness MBE VRD.

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