

HOSPITAL ENGINEERING NEWSLETTER

Volume 38 No 7

The Institute of Hospital Engineering
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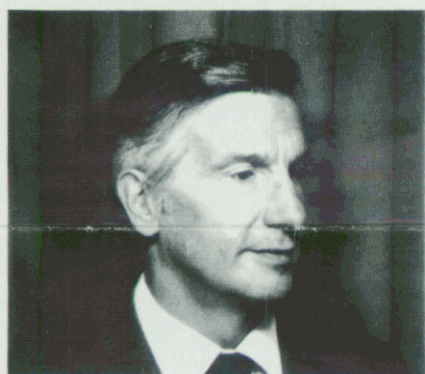
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ELECTED TO COUNCIL

W. J. Smith



After obtaining his degree at the University of London, Mr. Smith was trained in industry as a mechanical engineer. However, fortune smiled and he was diverted at an early age into building services engineering. Through the National College route, he was awarded the Institution of Heating and Ventilating Engineers' First Prize in the examinations of 1956.

Following periods in contracting and consulting, he became a 'poacher turned gamekeeper' when he joined the N.H.S. in London during the expansion in the early 1960's. Considering the N.H.S. the most fascinating and rewarding career for an engineer, he progressed to his present appointment as Regional Engineer, N.W.R.H.A. in 1974.

Mr. Smith has been very active in the Institute's affairs. During his six years as Chairman from 1974 to 1980, the North West Branch blossomed into the largest provincial Branch.

The introduction of consulting engineers on to the Committee and manifold increase in average attendance at Branch meetings were features of the period. At the same time, since Mr. Smith hates people to take themselves too seriously, he re-established a lively programme of social events.

Without being able to play a note, he still regards classical music as his favourite relaxation followed by caravanning and gardening in ascending order of degrees of backache!

Roger Cutcliffe



Roger Cutcliffe was born in Newport, Monmouth, in 1938. He served his engineering apprenticeship in H.M. Dockyard, Devonport. Prior to taking up his present post as Regional Engineer with the West Midlands Regional Health Authority, Mr. Cutcliffe worked at the Scottish Development Department, dealing with health buildings (engineering) for approximately one-third of Scotland. Previously, he had served both within the public and private

sectors of the construction industry, being involved with military hospitals for the Army while with the Department of the Environment and schemes in Nigeria, France and Portugal while in private practice.

He was elected a Fellow of the Institute in 1979.

Engineering Council designatory letters

Members are reminded of the statement issued by The Engineering Council dated 3rd February which read:

The following Engineering Council titles and designatory letters should now be adopted:

Chartered Engineer – C Eng
Technician Engineer – T Eng
Engineering Technician – Eng Tech
Use of the Council of Engineering Institutions titles and designatory letters is to be discontinued.

Engineering Assembly gets go-ahead

The first ever national assembly of registered United Kingdom engineers will be held next year. An annual Engineering Assembly has been given the go-ahead by The Engineering Council.

It will provide a platform for 'grass roots' engineers to voice their views to The Engineering Council and also act as a forum to which the Council will report on its activities.

The representatives will be elected from the Chartered Engineer, Technician Engineer and Engineering Technician categories on a regional basis. These representatives will be

grouped locally in some 20 constituencies throughout the United Kingdom.

Members of the assembly will also belong to regional committees established in each constituency. The job of these committees will be to initiate local activities which will dovetail with the policies of The Engineering Council and include the co-ordination of information about the profession to schools together with the cultivation of links with local communities, employers, trades unions, industry, academic institutions and local Government.

Trent Polytechnic Department of Building and Environmental Health Proposed part time BSc in building services

Commencing date:

Sept 1985

Length of course:

Four years

Mode of Attendance:

One day per week (9.00-7.30 pm)

Entry qualifications:

One of the following:

Higher Certificate in Building Eng. Services

Higher Certificate or Higher National Certificate in an appropriate engineering subject

Any other qualification acceptable to the Board of Engineers Registration for registration in the Technician Engineering Section

Chartered Institution of Building Services exemption:

It is intended that successful completion of the course will give exemption from the C.I.B.S. Corporate Membership examinations.

*For further information at Trent Polytechnic contact: D. I. Frampton
Tel: (0602) 418248 ext. 2372.*

HOSPITAL ENGINEERING is published ten times a year by Tully Goad Vinall. In January and July the HOSPITAL ENGINEERING Newsletter is circulated to Institute Members only.

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Advertisement Manager

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BRANCH NEWS

Highland Branch at radio station

The Highland Branch held a meeting at the Moray Firth Radio studios in May. The usual business having been dealt with, the visitors were conducted round the studios by Mr. Smith, Chief Engineer. He explained the way in which the radio station operated, with a bias towards the technical aspects. The complexity and high quality of the equipment was noted with interest, this being due to the high standards imposed by the Broadcasting Authorities. The members all agreed that it had been a very interesting visit; and as regular listeners to the station, were surprised to see how programmes were produced.

Oxford Spring Lectures (organised by the 6 branches)

The Annual 6 Branch Meeting under its new title of the 'Oxford Spring Lectures' was held in the John Radcliffe Hospital, Oxford on the 7th June 1984. Chairman for the day was Mr. B. A. Hermon C.B.E. R.W.O. S.W. Thames R.H.A. and in excess of 70 members and guests enjoyed the hospitality extended by the John Radcliffe together with the presentation of three excellent papers.

A very interesting talk on the effect of induced magnetic fields on the human body - N.M.R., - was given by Dr. Peter Bore. He explained the theory behind the process and research being carried out using

magnetic fields to identify chemical concentrations in the body and to building up picture images to assist in diagnosis as an alternative to X-rays and scanning.

Surgeon Commander John Williams, Professor of Naval Medicine, described his experiences during the Falklands War as leader of a surgical team based on the islands. He explained the engineering and medical ingenuity which was combined to offer a service to the wounded considerably removed from the sterile hospital world we live and work in. Sterilising was carried out by chemical process and diagnosis of fractures by clinical rather than X-ray means was performed due to the time factor in producing and processing the film. The wound inflicted by high velocity bullets, when shown to the meeting on slides, caused some blanching of faces and averted eyes. The prescribed method of treatment made a few member's stomachs turn over although the patient suffered little discomfort as a result, (so we were told).

The afternoon session was devoted to the concept of Fluid Bed Combustion and was most ably described and illustrated by Mr. D. M. Willis of the N.C.B. Research Department. He explained that the efficiency potential of F.B.C. is much in line with modern static grate economic boilers, although they would handle the poorer quality fuels and even waste which would normally be incinerated. At the moment there are few if any of these in our hospital due mainly to the capital cost of F.B.C. when related to boilers of the size normally installed in N.H.S. premises.

ONE DAY SYMPOSIUM Wednesday 3 October City Conference Centre The Institute of Marine Engineers Mark Lane, London

The one day Symposium 'The Organisation of National Health Service Transport' will be staged in the light of the Rayner Scrutiny on 'The Use of Non-Ambulance Transport'. The programme will include papers from the public and private sectors of transport management.

A study on the reliability of ambulances undertaken by Bradford University and ambulance procurement will also be included.

It will be of interest to managers at all levels who are charged with making more economical use of National Health Service transport.

F.B.C. does, however, enable much more efficient automatic control of boiler plant, lending itself to the possibility of running major steam raising plant unmanned. A thought for the future perhaps!

New members

Fellows

AWAD George, Supcon Holdings SA
BENNETT Colin Peter, Oscar Faber Consulting Engineers
COOK James Ian, South Tees Health Authority
CORLESS Daniel Kevin, Mersey Regional Health Authority
PRATT Robert Gwilym, Wessex Regional Health Authority
SEALY Christopher Martin, S.I. Sealy & Associates
THOMS Albert Edward, South Tees Health Authority
THORN Alan Robert, North West Thames Regional Health Authority
VENN Albert William John, Oscar Faber and Partners
WILES Donald William, Department of Health and Social Security
WILKINS Harry, Holman Davis and Partners
WILLIAMS John Sydney, Department of Health and Social Security

Members

AL-OMRAN Essa Jassim, Bahrain Defence Force
BERRY Richard, Hammersmith Hospital
CLIFFORD Stephen John, Clifford Talbot and Jaehme
CUNNINGTON John Henry, C.J. Jefferies Ltd
FAGBEMI Robert Olubunmi, Acay Engineering Centre, Nigeria
GALBRAITH Ean William, Fife Health Board
GEORGHIADES Marios George, C.J. Jefferies Ltd
GIBBS Gordon Robert, Tuckey Ford
GRAY Ian Martin, Newcastle Health Authority
GREIG John William, Tayside Health Board
HARRIS Charles Thomas, Hounslow & Spelthorne Health Authority
HAYCOCK Andrew Nigel, Greenwich Health Authority

HORNIBLOW Victor John Peter, West Lambeth Health Authority
KAMAITIS Peter, Young Austen and Young
LARSEN Peter Damgaard, Haringey Health Authority
LITHGOW Andrew Duncan, Greater Glasgow Health Board
MAIDEN Ronald Spivey, R.W. Gregory and Partners
MOORE Alan, South Tees Health Authority
McMILLAN John, Greater Glasgow Health Board
O'LOUGHLIN Edward, Greater Glasgow Health Board
PARK Stewart, North West Thames Regional Health Authority
PARKER Christopher Charles, South Bedfordshire Health Authority
PARSONS Christopher Alan, West Midlands Regional Health Authority
READ David Arthur, Abbey Self Storage Ltd
REID Alan George, Barking Havering and Brentwood Health Authority
SIDEBOOTHAM Stephen Paul, Howard Edwards and Partners
WELLMAN Martin David, Wandsworth Health Authority
WOOD Alan Frederick, Simpson Coulson and Partners
WORSLEY Philip John, Wolverhampton Health Authority

Graduates

DUNN William Kilgour, Tayside Health Board
FARRELL Trevor Charles, Harrow Health Authority
FERGUSON Peter Donald, Portsmouth & SE Hants Health Authority
PINKERTON Michael John, Bromsgrove and Redditch Health Authority

Regrades/Upgrades

Member to Fellow

HOUSE Lawrence Reginald Frederick
TUCKER Robert
WHITE Leslie

Graduate to Member

GREENWOOD Andrew Michael
KIRK Brian
SVENSON Ian

Associate to Member

DUNLOP John Drummond
JAYAPRAKASH Nalini Krishna

Associates

ADEYEMI Eytayo, University College Hospital, Ibadan
APPLEBY Thomas Frank, Nuffield Nursing Homes Trust
BUCK Alan William, Pashler and Partners

Editor goes walkabout

An invitation to attend a meeting of the West Midlands Branch was not to be missed. I felt sure that there was much to learn from talking to Institute members themselves (engineers, being what they are, seem more willing to talk than to write). And likewise there were several points that as editor, I wished to make to my readers.

What goes on in the Branches? The bare announcements that appear in the Journal give little idea of the liveliness of debate, the unorthodox views, the strongly held opinions. I looked forward to hearing it all.

The meeting began, hospitably, with a meal. The ten members present were established around a table in the dining room of The Woodlands Hospital, Birmingham. I was introduced by Roger Sear, Chairman of the Publications Committee and was welcomed by the Chairman, Ken Shindler.

The ball was set rolling with my explanation of the process by which technical and learned papers were selected for publication, and the editorial process to which they were submitted. I had assumed that this was common knowledge, but I was wrong. This proved a useful opportunity to make the system clear.

I explained that papers of this nature, submitted for publication, (often they have been presented at symposia or seminars) are passed on to be referred by a member of the Publications Committee. He applies only a general and informed judgement to the article in question, and indicates whether, in his opinion, it is suitable for publication. This procedure is being sharpened up, so that those with special expertise will see any papers on their subjects.

Once recommended as suitable, an article is not subject to the usual blue-pencil editing. Papers are published in full and though in some cases could perhaps be more elegantly expressed,

FORTHCOMING BRANCH MEETINGS

Highland Branch: Hon Sec. M. J. Shand Inverness (0463) 234151

July 11th Hydro Board, Pump Station, Foyers.

September 20th Macdermotts, Ardersier

Southern Branch: Hon Sec. R. P. Boyce Chichester (0243) 781411

July 11th Thames Barrier Flood Preservation Board Room
System, Derek Ayres Esq Royal Hampshire County
Hospital, Winchester.

September 12th Visit to County Police HQ
Winchester

Please contact the local Honorary Branch Secretary with regard to any of the above meetings.

they stand as they were delivered, or originally written. The time and technical knowledge demanded for more journalistic rewriting are beyond the scope (or the brief) of this Journal, and busy authors rarely have the time themselves.

West Midlands members are an ambitious lot. They feel that their Branch programme deserves at least half a page up-front in the Journal. At present, they say, the announcements of forthcoming meetings are too insignificant. Bearing in mind that what is done for one branch must be done for another and that space is often at a premium, the point seemed a good one for discussion with the Editorial Board and Publications

Committee.

It was my turn to press a point. As no material is commissioned from the editorial offices, everything must be submitted to us. I stressed the need for members to submit good material in whatever form. The West Midlands brightly responded with an idea that in each issue a different branch should be given a page to fill. In their initial enthusiasm the members saw the *Midlands Mumbles* filled with their own faces and places, and leavening the learned lump of technical papers with some humour. Do other branches fancy a stab at journalism?

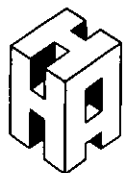
Eventually the discussion passed from the Journal and picked up the

agenda. The hosting of guest speakers was discussed, a commitment made to report briefly each meeting for publication and finances were chewed over without much relish. A sub-committee outlined an excellent future programme of meetings and a social skittle and bowling evening was confirmed. I made a strong plea for a photo of this event.

At this point, I took my leave – it is a long way from Birmingham to Kent. I left the members talking as there was obviously a lot more to say. I hope that in the future much more of it, one way or another, will get published in the Journal.

CLASSIFIED ADVERTISEMENTS Appointments & Situations Vacant

To place your classified advertisement, please contact Michael Birch on (0793) 45311 or write to him at HOSPITAL ENGINEERING Tully Goad Vinall St Agnes House Cresswell Park Blackheath SE3 9RJ.



**Hull
Health
Authority**

District Engineering Officer Scale 6

An experienced Engineer is required as part of a team of Works Professionals involved in the development of the Health Authority's Estate.

The District Engineer is the Chief Technical Adviser on all Engineering matters and will ensure that standards of Design are in line with National; Regional and District requirements.

Applicants must hold suitably recognised Qualifications and have a sound knowledge of practical Engineering.

Application form and Job Description from: The District Personnel Officer, Hull Health Authority, Victoria House, Park Street, HULL HU2 8TD Tel: (0482) 223191 ext 99.

Closing date 31st July 1984.

GREAT YARMOUTH AND WAVENEY HEALTH AUTHORITY

Engineering Officer

Applications are invited from qualified and experienced Mechanical or Electrical Engineers for this post which provides responsibility for the operation and maintenance of engineering services at a number of hospital properties in Gt. Yarmouth and Lowestoft.

The post will be based at Northgate Hospital, Gt. Yarmouth.

Applicants must have served an engineering apprenticeship, hold ONC in Engineering or equivalent, have acquired a thorough practical training and have five years relevant experience.

Experience is required in management of a multi-disciplinary work-force and the application of new technology in engineering.

Salary scale £8385 to £9458 including all allowances.

Further information, application forms and job descriptions available from: The Unit Administrator, Northgate Hospital, Northgate Street, Gt. Yarmouth, Norfolk.

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