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President :

THE LORD CALVERLEY OF BRADFORD, D.L., J.P.

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JULY 1951

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BRANCH NEWS

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.

CONFIDENTIAL BULLETIN FOR THE USE OF MEMBERS.

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

**Minutes of Council Meeting held at the Imperial Hotel,
Leeds, on Saturday, 2nd June, 1951.**

Present : Mr. J. Tomlinson (Chairman) Mr. J. Forsyth (Vice-Chairman), Messrs. R. E. Rogers, G. Jones, H. A. Adams, H. E. Clutterbuck, R. H. Chesney, H. Partington, J. Green, J. Richardson, A. M. Bain, A. MacGregor, C. Oliver, E. Heald, J. D. Lewis, F. H. Mills, E. D. Yates, J. W. Brodie, J. Strachan, H. Wright, A. J. Templeman, H. F. H. Dolling, W. F. Graham, L. Hunt, M. Gray, J. C. Chynoweth, H. S. Clarke (Hon. General Secretary).

Mr. J. Tomlinson (Chairman) opened the meeting at 10.40 a.m. and asked for Council's sanction to have Miss Stephenson take the shorthand notes of the meeting.

The Minutes of the meeting held at Newcastle-upon-Tyne on 3rd March, 1951, were taken as read and signed by the Chairman.

Apologies of absence were received from Mr. R. H. Smith and Mr. J. H. Hargreaves.

Correspondence. The Hon. Secretary read a letter received from Lord Calverley (President) on his pending resignation, approving the selection of Mr. Sandford (President Elect), and wishing the Institution all good luck.

Mr. Sandford acknowledged the invitation to be our President and accepts with the greatest pleasure and humility.

Mr. Dyer to present his application for Companionship through his Branch.

Two Exhibitions, the British Instrument Industries Exhibition, to be held from the 4th to 14th July, and the Engineering, Marine & Welding Exhibition, to be held from the 30th August to 13th September. Requests for tickets for both Exhibitions to be made to the Hon. General Secretary.

Mr. H. Wright's letter reported the repair and purchase of his typewriter, and thanked Council for their help and assistance.

A letter from the South Wales Branch, enclosed a cheque for £2 4s. 9d. from Mr. W. Smith, a retired member. The Branch asked for sympathetic consideration towards the member and to return the cheque. After reading the correspondence from the member and learning that he was retiring on pension and lump sum, and that he was in arrears of contributions, it was agreed that no action be taken.

A letter of private business received from the Welsh Branch was discussed at great length, and on a vote of Council, it was agreed "That the item be struck completely from the Minutes, and left as a domestic matter to the Branch."

The resignation of Mr. W. G. Owen from the secretaryship of the Welsh Branch was received with regret, and it was agreed that the Hon. Secretary write to Mr. Owen expressing the Council's thanks and appreciation for his good work.

The Northern Ireland Branch reported communication with the Ulster Public Officers' Association, and the Hon. Secretary read the correspondence. Mr. Gray voiced the general feelings of his branch, and asked for assistance in the matter of following up the question of an arrangement for amalgamation. The Hon. Secretary promised assistance to Mr. Gray, and to pursue the points raised, when the matter would be explored and reported to Council at the next meeting.

Report of the Hon. Treasurer. Members were issued with a balance sheet showing a balance of £2,613 11s. 9d., plus £130, to pay into the Bank.

Arising out of questions raised, the Hon. Treasurer said that Petty Cash Books should in future be sent to the Treasurer to enable him to finalise the balance sheet.

In an effort to speed up the payments of members' expenses, it was agreed that the expense sheets should be circularised only to the three members of the Finance Committee, the Chairman and the Treasurer.

The Hon. Secretary reported that arising from the resolution of the previous Council Meeting, *re* members in arrears of three years, he was holding his hand, having received three subscriptions from such members.

Resolutions. On a resolution received in the name of the London Branch, it was unanimously agreed that Mr. J. H. Hargreaves be elected a Vice-President of the Institution. The Hon. Secretary said we have resolutions from other branches expressing the same warm sentiments.

On a resolution received in the name of the North East Branch, it was also agreed that Mr. R. G. Rogers be elected a Vice-President of the Institution.

Arising from a resolution from the London Branch, "That Council shall consist of 12 members, including Chairman, Vice-Chairman, Secretary and Treasurer," Mr. Wright informed the meeting that the London Branch viewed with concern the very heavy expenditure of Council meetings, that Council was unwieldy and if the position of a paid secretary with an office was to be faced, then the expenses will, of necessity, have to be cut down. This was a matter for Council to decide. Rule 26 of the new Rules of Incorporation was read and much discussion arose, and it was agreed that any alteration must be a question for the Annual General Meeting.

London Branch Resolution. That Chairman hold office for a maximum of three years.

Welsh Branch Resolution. Views with concern the heavy costs of the Council meetings and proposes that the representatives be reduced by selection on a regional basis.

South West Branch feels that the time has now come to curtail Council expenses and suggests an Executive Council of eight, meeting three times a year, with one full Council meeting a year. No branch to have more than one representative on the Executive Council.

These resolutions brought much discussion and many points of view were expressed, and it was resolved that the existing rules stand until the next Annual General Meeting.

A proposition that the Vice-Chairman holds office for a maximum of three years and then automatically takes the Chair was ruled to be unworkable.

Yorkshire Branch. Increased Car allowances, Whitley Council.

Yorkshire Branch. Telephone Rentals—advise removal.

Edinburgh Branch. That the title of Assistant Engineer creates an anomaly where there is less than 200 beds; should be Engineer-in-Charge, with a salary grading up to 200 beds. This and other anomalies were fully voiced, and it was pointed out that the artisans were in many instances able to receive a higher rate of pay than the Engineer. It was agreed that the position be carefully watched by our Whitley Council representatives.

West Scotland Branch asked why the Executive Council is not handling the appeals and urges most strongly that swift action be taken.

Mr. Rogers answered individual cases, and the correspondence which had passed between the parties concerned. The Chairman assured the Scottish members that everything possible would be done on their behalf.

Welsh Branch. To give consideration to Engineers who were in the service prior to nationalisation, who at present are not eligible to draw a full pension.

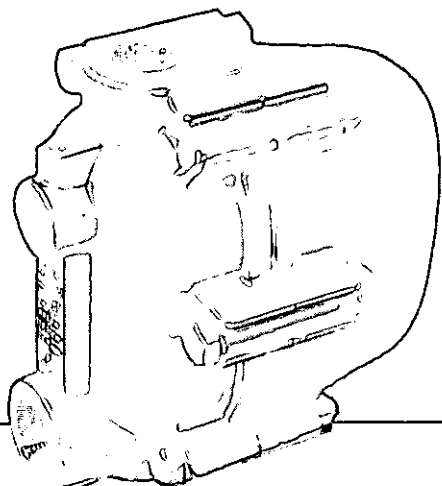
Mr. Rogers gave a resume of the powers vested in committees at the appointed day.

Welsh Branch. That Whitley Council representatives accept nothing less than 20% increase in salary.

Welsh Branch. As to the forming of a West Wales Branch. The general feeling was that the branch would be serving the majority of its members more fully by holding its meetings in different parts of its territory. It is purely a matter for branch discretion.

Midland Branch. Membership Certificates.

The Chairman explained the delay and informed the meeting that he had a batch almost ready.



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Mr. Ross's Appeal. The Chairman explained that the matter was in hand.

Applications for members and upgrading were approved as follows :—

Members	....	....	....	....	....	3
Associate Members	....	....	....	....	....	4
Student Member	....	....	....	....	....	1

Mr. L. C. Duckett, No. 478, transferred, Associate to Full Member.

Mr. C. H. Kernick, No. 770, transferred, Graduate to Full Member.

Mr. F. E. C. Hibberd, No. 836, transferred, Graduate to Associate Member.

The Chairman, Mr. J. Tomlinson, presented the report of the Examinations held on the 12th and 13th April. H. E. Weaver, Esq., B.Sc., marked the papers.

Mr. C. H. Tarlton received a Pass.

Mr. E. Cross received a Pass in non-electrical subjects, electricity papers to be taken again.

It was reported that Mr. Weaver had attended a meeting of the Examination Sub-Committee, when he outlined a scheme of examination with the idea of including the elderly candidate to come forward. He stated that at the University of London they had a special entrance examination for elderly candidates who could not pass matriculation but could probably benefit by higher course in specialized subjects. After the written papers, candidates who appear to require it are given an interview, and verbal questions are given based on the papers. This method gives a candidate every opportunity of showing his knowledge of the subjects as against the written word and enables the examiner to form a better judgment of the candidate.

It is hoped that some such scheme may be of assistance in dealing with one of our problems as to the elderly candidate. The Examination Sub-Committee are to examine the possibilities of this scheme and report to the next meeting of the Council.

Mr. Tomlinson informed the meeting that, owing to pressure of other work, he found it necessary to relinquish the office of Chairman and Secretary of this sub-committee, and with pleasure and satisfaction announced that Mr. H. Adams had been elected Chairman and Mr. J. Strachan as Secretary of the Examination Sub-Committee. He would continue to be a member of this important committee.

Sandford Premium. The Chairman asked all members of Council to do their utmost to further the "Sandford Premium Competition." Entries should be in by the 31st July, and all members are requested to bring this matter to the notice of their branches: a large number of entries are requested as evidence of esteem to our President Elect.

A sample President's Badge of Office was passed round the members for inspection, and after discussion as to the engraving, etc., it was unanimously agreed that the Badge of Office be purchased.

London Office. The Hon. Secretary reported receipt of a notification from Mr. Sandford, informing him that suitable offices in the Strand would be available and that he had arranged with the Secretary of the London Branch to inspect and report on the matter. Messrs. H. Wright and J. Strachan reported on the accommodation which would become available later in the year, and said that the offices were well furnished and most suitable for our needs.

Much discussion arose over this important matter, and it was felt that it was essential first of all to obtain the services of a full- or part-time paid Secretary. Names were suggested as suitable persons, but it was finally proposed, seconded and agreed that a sub-committee be formed to deal with the matter and an advertisement be inserted in the *Daily Telegraph*, *Manchester Guardian* and the *Yorkshire Post*. On a ballot being taken for this sub-committee, Messrs. R. H. Chesney, R. E. Rogers and H. S. Clarke were appointed, together with the Chairman.

Whitley Council Report. Mr. R. E. Rogers have the report on Whitley Council Meeting. Matters arising had been Engineer, Clerk of Works, Teaching Hospital, and Local Authority Hospitals. He explained matters arising from correspondence with Hospital Management Committees on points of designation, and advertisements *re* appointments. There were also cases of pending appeals, particularly with Scottish H.M.C.'s. The question of administrative or manual, 5%—6% superannuation contribution, was explained on behalf of certain members. Emoluments and purchasing from Hospital Stores was a matter which had been referred to the Ministry.

The opinion of Whitley Council, Committee D, was that the new incremental date should be 1st July for each year. Application for 20% increase in salaries had been presented.

Mr. Rogers replied to members' remarks regarding leakage of information and informed the meeting that the I.H.E. would honour the agreements if other bodies did not.

Mr. J. Forsyth, Vice-Chairman, reported on the work in hand re the "British Standards Institution" and pointed out the importance of work being done by our representatives on the various committees. The Hon. Secretary informed the members that he was in receipt of the monthly Information Sheets and drew attention to the Golden Jubilee of the Institution.

Annual General Meeting. Mr. Chynoweth stated that the Southern Branch wished to push ahead with the final arrangements, and asked that all members should notify Mr. Tivey at the earliest possible date. It was reported that the Minister of Health hopes to be in attendance.

The Hon. Secretary was asked to write and thank Mr. Hector Hughes, K.C., M.P., for his sympathy in listening to our cases of dispute and his offer of assistance in bringing these matters to the notice of the Ministry.

The next meeting is the Annual General Meeting, to be held at Bournemouth on the 1st September, 1951. The Council Meeting will be on the Friday, 31st August, and members are asked to reserve their accommodation at the earliest possible date.

The meeting closed at 6.55 p.m. with thanks to the Chairman and Miss Stephenson.

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

75 PORTLAND PLACE, LONDON, W.1.

19th April, 1951.

COUNCIL MEETING.

A meeting of the full General Council was held at No. 1 Richmond Terrace, London, S.W.1, on Wednesday, 14th March, 1951, the following being present: *Management Side*, Regional Hospital Boards, England and Wales: Mr. J. W. Bowen (Vice-Chairman); Regional Hospital Boards, Scotland: Provost E. Fyfe; Boards of Governors of Teaching Hospitals: Hon. Arthur Howard, Colonel W. Parkes; Executive Councils (Scotland): Sir William Marshall; County Councils Association: Sir Wynn Comlyn-Jones, Mr. E. L. Stinchcombe; London County Council: Mr. E. A. Knox; Association of Municipal Corporations: Mr. J. Lythgoe; Scottish Local Authority Associations: Bailie Robert Bell, Provost T. Bell; Department of Health for Scotland: Mr. F. E. Bland; Welsh Board of Health: Mr. H. Old; Ministry of Health: Mr. R. F. Tyas, Mr. J. A. Willis (Joint Secretary), with Mr. H. V. White and Miss Verdon in attendance. *Staff Side*: Administrative and Clerical Staffs Council: Mr. L. Bevan, Mr. J. Richards, Mr. Bryn Roberts, Mr. S. R. Speller (Joint Secretary); Ancillary Staffs Council: Mr. S. J. Barton, Mr. C. F. Comer, Mr. W. R. Humphrey; Medical Council: Dr. C. F. R. Killick; Nurses and Midwives Council: Miss F. Goodall, Mrs. F. R. Mitchell, Mr. C. A. W. Roberts, Miss M. D. Stewart; Pharmaceutical Council: Mr. A. G. Shaw; Professional and Technical Staffs Council "A": Miss N. H. Duffield, Mr. J. H. Hanby, Mr. Ben Smith (Chairman); Professional and Technical Staffs Council "B": Mr. W. J. Jepson, Mr. G. W. Phillips, with Miss A. G. Spalton in attendance.

Among the matters discussed were the following:—

Amendment of Main Constitution.

The proposed amendment to Clause 6 of the Constitution, with reference to the termination of office of members of the Staff Side, was formally adopted.

Short Term Subsistence Allowances.

The Management Side said that they had considered the new proposals of the Staff Side but were unable to accept them. They asked that the Staff Side should look again at the Management Side's original proposals as subsequently amended in discussion.

Long Term Subsistence Allowances.

The Council confirmed the disagreement which had been reached at the joint General Purposes Committee on this item.

Unallocated Gades.

It was reported that the Ancillary Staffs Council had accepted head gardeners and fire prevention officers, that the Administrative and Clerical Staffs Council had accepted farm managers or bailiffs engaged on supervisory administrative duties ; catering officers ; hostel wardens except those who are required by the employing authority to be State Registered Nurses and to undertake certain nursing duties in addition to the duties normally performed by a lay warden and that the Nurses and Midwives Council had accepted blood donor attendants and also hostel wardens who are required by the employing authority to be State Registered Nurses and to undertake certain nursing duties in addition to the duties normally performed by a lay warden.

It was also agreed to recommend that hostel wardens who are required by their employing authority to be State Certified Midwives and to undertake certain nursing duties in addition to the duties normally performed by a lay warden should also be allocated to the Nurses and Midwives Council.

It was also agreed to recommend to the Pharmaceutical Staffs Council that post-graduate students in pharmacy (B.Pharm. or Ph.C.) who are undergoing practical training prior to registration as M.P.S. should be allocated to that Council.

Reservists recalled to the Forces : Make-up of Pay.

The Staff Side expressed considerable anxiety about the position and pressed for an early decision on learning that the Management Side were still unable to make any further statement on this subject.

Scottish Advisory Committee.

It was reported that this Committee had been formed and had held its first meeting.

Rents of Hospital Houses.

It was decided to accept a revised wording as proposed by the Ministry of Clause 2 (b) regarding the question of liability for repairs of the tenancy agreement for hospital houses.

Supply of Goods from Hospital Stores.

The Staff Side Secretary reported that he understood that the Ministry was proceeding with the issue of a circular on this subject and asked that it be recorded that it was the view of the Staff Side that this matter should have come before the Whitley Council.

Issue of General Council Circulars.

It was reported that the following circulars had been issued :—

No. 26—Leave for local government activities.

No. 27—Hospital Staffs Consultative Committees.

(The issue of Circulars No. 24 and No. 25—"Candidates for appointment, special leave for interview" and "Marriage bar for women officers"—had been reported to a meeting of the joint General Purposes Committee on 21st December, 1950.)

Items Deferred.

Among the items deferred for further consideration were the following : arbitration agreement, appeals machinery in disciplinary cases, removal expenses, mileage allowances, travelling allowances on transfer and post-entry training.

STAFF SIDE MEETING.

A meeting of the Staff Side took place on Tuesday, 6th March, 1951, at No. 75 Portland Place, London, W.1, the following being present :—Administrative and Clerical Staffs Council : Mr. J. Richards, Mr. Bryn Roberts, Mr. S. R. Speller (Secretary) ; Ancillary Staffs Council : Mr. C. F. Comer, Mr. E. R. Cyples (substitute for Mr. C. H. Beckett), Mr. S. Hill, Mr. W. R. Humphrey (substitute for Mr. W. D. Goss) ; Medical Whitley Council : Dr. A. V. Koly-nack (substitute for Dr. C. Hill) ; Nurses and Midwives Council : Mrs. F. R. Mitchell, Miss M. D. Stewart ; Optical Staffs Council : Mr. M. G. Aird ; Professional and Technical "A" Staffs Council : Miss M. J. Neilson, Mr. Ben Smith (Chairman) ; Professional and Technical "B" Staffs Council : Mr. W. J. Jepson, Mr. G. W. Phillips, with Miss Spalton in attendance.

The main business of the meeting was the consideration of matters which were on the agenda for the full Council on Wednesday, 14th March. The Secretary's report on the position of hospital staff under R.H.B. (49) 128, H.M.C. (49) 108, B.G. (49) 113 with regard to claims and legal proceedings was also received and noted.

FLUORESCENT LIGHTING

by J. STRACHAN (Member)

Primarily, the electric discharge lamp consists of a glass envelope containing gas, such as mercury vapour, sodium vapour or neon, on to the ends of which are sealed two electrodes. When a suitable voltage is applied across these electrodes a state of excitation is set up in the gas, in which collisions between the particles of gas take place. These collisions result in the liberation of energy in the form of light.

Unlike a metal filament lamp which emits a continuous spectrum the electric discharge lamp emits only certain wavelengths (or colours), each gas giving a different combination.

Not all the energy emitted by electric discharge lamps is a visible light, as much of the ultra-violet energy is completely lost. Fluorescent powders, however, are activated by ultra-violet radiation and themselves emit visible radiation. This is the principle which is used in fluorescent tubes, the tube being coated internally with fluorescent powder.

The fluorescent tube is a mercury vapour discharge lamp, the discharge taking place in a very low pressure of mercury. The resultant ultra-violet radiation is of such a wavelength that it activates the specially chosen fluorescent powder and results in the desired colour effect. The major constituents of the fluorescent powder are ZINC BERYLLIUM SILICATE and MAGNESIUM TUNGSTATE, the former giving light in the red end of the spectrum and the latter in the blue region.

Eighty-five per cent. of the light comes from the fluorescent powder and 15 per cent. from the ultra-violet radiation.

Sealed into the ends of the tube are two electrodes which consist of a coiled tungsten filament which is coated with an electron-emissive material such as BARIUM. These electrodes when connected to an A.C. supply are alternatively anode and cathode. Both electrodes are brought out to the contacts of a bayonet cap and pre-heated for starting purposes. In addition to mercury a small quantity of ARGON gas is introduced, which has the effect of warming the mercury vapour and then vapourising some of the mercury, enabling the discharge to commence.

As the electrodes are alternately anode and cathode, the current must flow into and out of the electrode coating. The emissive material only permits discharge current to pass readily in one direction, i.e. from the electrode to the discharge. This difficulty is overcome by using small metal fins adjacent to the electrode and electrically connected to it, which carry the current when electrodes are acting as an anode.

At ordinary mains voltage, a mercury discharge lamp of the type described would not strike unless steps were taken to reduce the initial cold resistance of the tube. Striking is therefore facilitated in two ways, firstly, by causing partial ionization of the gas around the electrodes and secondly, the creation of a high voltage surge in the circuit.

When the tube is first switched on a device known as the "glow starting switch" completes the circuit through the tube electrodes heating them for a few seconds at a current of 1.3 amps, ionization of the gas surrounding the electrodes having thus been started, the glow switch breaks the circuit and the collapse of the inductive field in the choke coil results in a momentary high voltage surge of about 700/800 volts across the electrodes, which is sufficient to "strike" the discharge. During normal operations the current through the discharge is sufficient to keep the electrodes permanently incandescent.

The normal current rating of an 80 watt tube is 0.8 amp. and the actual voltage 115.

Characteristics of the Tube.

(1) Repeated switching will shorten the life owing to the rapid disintegration of the emissive material.

(2) The light output falls off, partly due to the deposition of a film of mercury on the fluorescent coating and partly due to actual chemical attack.

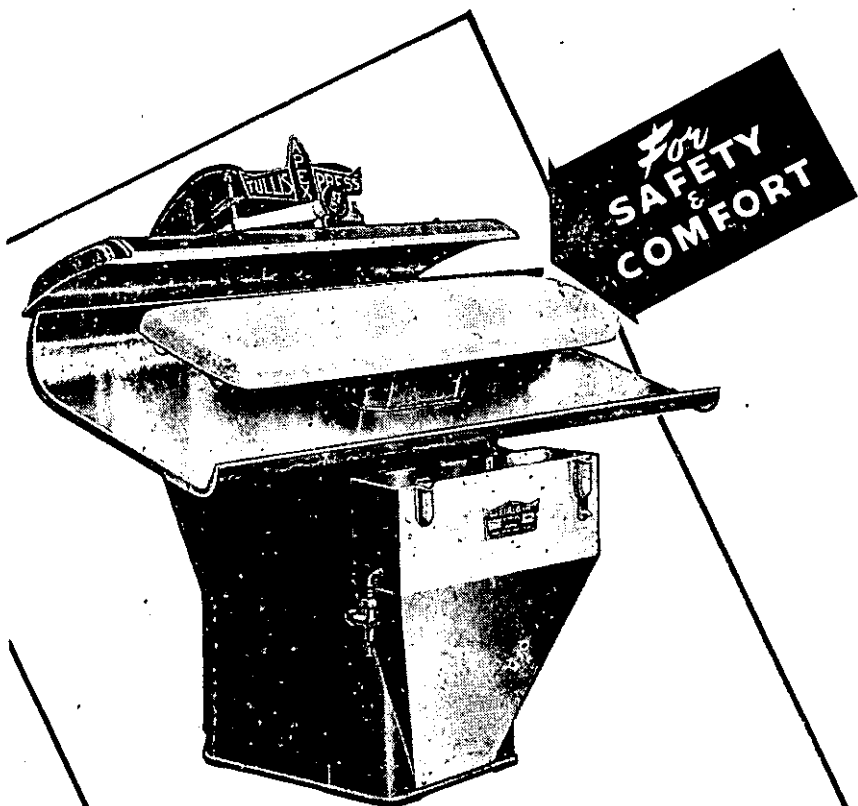
The rated united output is 35 lumens per watt. The light output falls rapidly during the first 100 hours, then remains almost constant for the rest of its useful life.

(3) The cold surrounding temperature has an appreciable effect on the light output and cold draughts will make starting difficult.

(4) Stroboscopic effect.

All discharge lamps when burned on A.C. current have a non-uniform light output as the light drops almost to zero at each half-cycle, thus causing a periodic flicker. However, the persistence of glow of the fluorescent powder helps to reduce the effect, which in most installations is hardly noticeable.

In installations where rotating machinery is employed this flicker can give rise to peculiar optical effects, such as making the gear wheels of rotating machinery appear stationary or rotating at a much higher speed than they actually are doing. In such cases it is advisable to operate alternate tubes of different phases of the supply and so arrange an overlap so that the illumination never quite falls to zero.



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Alternatively the tubes may be operated in the twin tube circuit.

A flicker effect may occasionally occur in certain tubes which takes the form of a narrow cord which spirals and oscillates against the sides of the tube. This is due to particles of the electrode coating travelling down the arc stream.

The Circuit.

The essential components of the circuit are the lamp, the series choke coil and the glow starting switch. In addition to these are the radio interference condenser and a power factor correction condenser.

The circuit operation is as follows :—

(a) The main switch is closed ; this applies full mains voltage to the tube and to the glow starting switch is connected in parallel with the tube. The main voltage is insufficient to start the main discharge in the tube but the discharge in the HELIUM gas of the glow switch heat the bi-metal strips which bend over and make contact.

(b) The glow switch contacts having closed, the supply circuit is completed through the coke and lamp electrodes back to supply again. The current through the electrode is limited to 1.3 amps by the choke coil. The current passing through the electrodes is sufficient to raise them to incandescence and to start ionization of the gas in the immediate vicinity.

(c) As the glow switch is now short circuited there is no heat generated in the HELIUM gas and therefore the bi-metallic strips cool and open the contacts. The breaking of the circuit gives rise to high voltage kick of about 700/800 volts, which is sufficient to start the electric discharge.

After the tube has started the voltage across is about 115 volts and this is insufficient to heat the vapour in the glow switch, so this remains inoperative until the tube has to be re-started.

Radio Interference.

This may be caused by direct radiation from the tube or by feed back through the main.

- (a) Make sure the interference suppressor connection is in order.
- (b) Make sure the condenser is not faulty.
- (c) Reverse the lamp holders one at a time.

If trouble still persists, interpose a sheet of metal (which is properly earthed) between the tube and the aerial. If this does not stop the interference, then it points to feedback, and a filter should be fitted to the main supply.

Fluorescent tubes can be operated on D.C. supply, but there is no saving in current consumed. A 30 watt fluorescent tube gives 15 ft. candles at 12 ft. and a 75 watt tungsten filament bulb gives the same result. Testing these by ammeter, I found that they both consumed 0.6 amps. The greatest loss on D.C. supply is caused by the necessary resistance in series with the lamp.

Unless there is some essential purpose involved, I would not consider fluorescent lighting on D.C. supply as the initial cost can never be recovered. Furthermore, there is no easing of peak load, which is major advantage of fluorescent lighting.

For A.C. supply I maintain there is little real saving in cost, as the initial outlay is great. Such saving as takes place in fuel costs is offset by initial outlay, maintenance costs of bulbs and interest on capital.

The advantages for specific purposes are great, however. The even illumination and absence of glare are factors which make for easy working conditions. The reduction of peak load is a further contribution to present day needs.

The placing and choice of fittings is an art in itself and it is often found that the most suitable and restful point is over the operator's shoulder. Open-top reflectors should be generally employed so that some light may illuminate the ceiling. A position to avoid is where a black shadow is caused by placing the reflector too near a wall or placing the tube in line with the object to be operated.

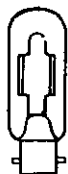
The advantages are :—

- (a) Easing of peak load.
- (b) More even distribution of lights.
- (c) Absence of glare.
- (d) Comprehensive range of colours without sacrifice of light output.

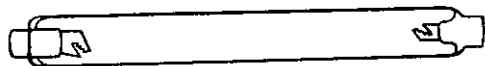
Disadvantages :—

- (a) Initial cost.
- (b) High cost of replacements.
- (c) Stroboscopic effects. (This, however, can be largely offset.)

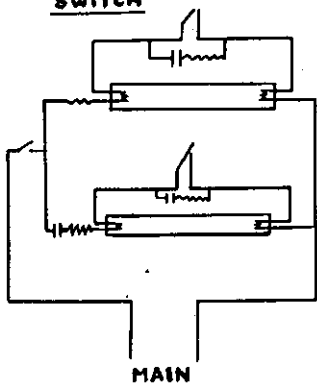
To sum up, I would say that where the need for fluorescent lighting can be proved the advantages outweigh the disadvantages, and I would not hesitate to instal it.



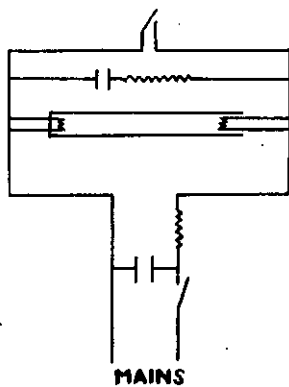
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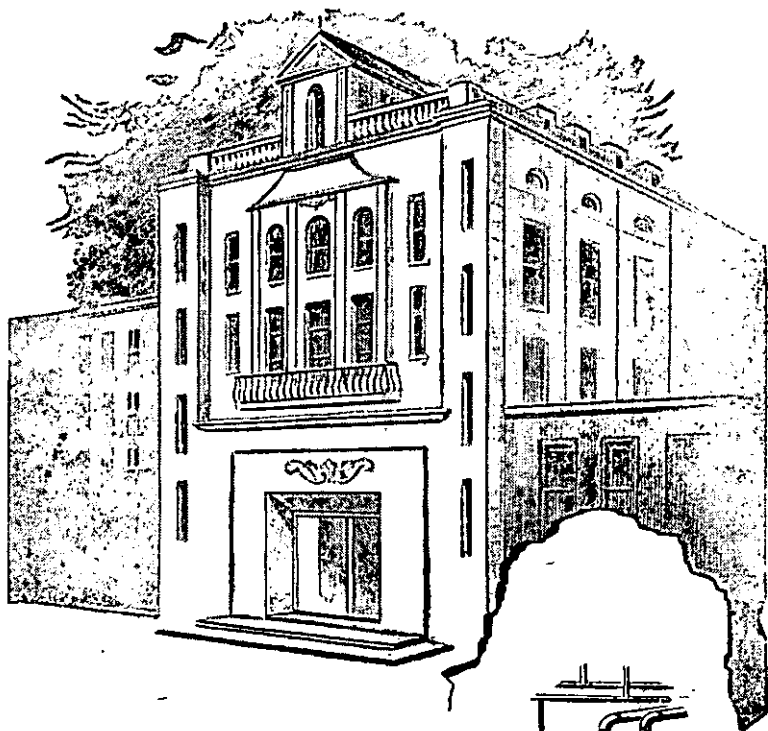
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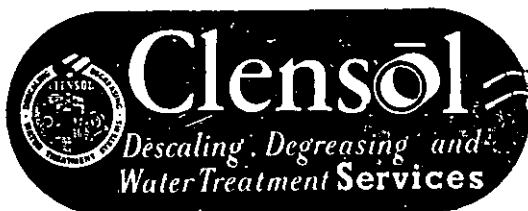
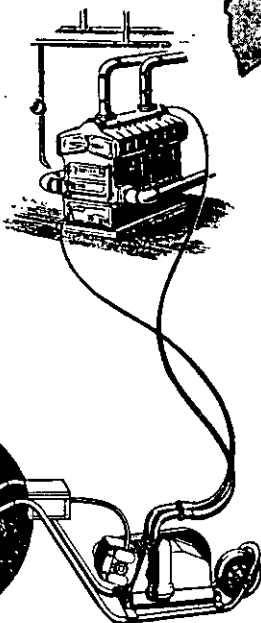


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YORKSHIRE BRANCH

Meeting held at Fir Vale Hospital, Sheffield, on Saturday,
21st April, 1951, at 3 p.m.

MINUTES.

Present : J. W. Brodie (Chairman), C. F. White, D. H. Cooke, J. Tomlinson, G. A. Kirby, D. M. McPhail, W. Forsyth, J. J. Richardson, C. Barker, N. H. Vann, A. Pearson, J. H. Slade, K. O'Rourke, F. Deacon, R. Wrennall, W. Chynoweth, J. Shaw, and the Secretary.

Minutes. The Minutes of the Branch Meeting held at the General Hospital, Wakefield, on 17th March, 1951, were read and approved.

Correspondence. Correspondence read 'included a letter from the General Secretary relative to enquiries regarding Mr. J. Trowhill, of Hull, and after discussion it was decided that the Secretary should contact the General Secretary again on the matter.

The second letter from Mr. R. G. Rogers, acknowledging the Branch's submission of Mr. Cooke's paper on "Fire Precautions," and also thanking the Branch for their good wishes for his retirement.

A third letter from Mr. T. S. Ormston expressing thanks to Mr. Tomlinson and Mr. White for their support in placing his case before the Appeals Committee. Two vacancies were circulated to members present, one for the Murray Royal Hospital, Perth, and one for Group Engineer for York "A" H.M.C.

Resolution. A resolution proposed by Mr. White and seconded by Mr. Cooke was carried as follows : "This Branch request Council to ask for increased car allowances." It was noted that H.M.C. members have had theirs increased to 8d. per mile—also Council to ask Minister to reconsider his ruling that Senior Officers to H.M.C. should pay for their telephone rentals, when these are installed specifically for the benefit of the Hospital Service.

The Chairman handed round the table a Brochure of the Grand Hotel, Bournemouth, where the A.G.M. will be held in September. He stressed the importance of a good attendance from the Yorkshire Branch, and Mr. Cooke as Secretary of the Social Committee offered to receive monthly amounts from members who wished to save in this way.

The next item on the Agenda was then introduced by the Chairman. This was an informal talk given by Mr. W. Chynoweth, Engineer-in-Charge at Fir Vale Hospital, on "Boiler Stoking Units."

Mr. Chynoweth outlined the merits of the various methods of automatic stoking and pointed out the faults of many. To support his talk a visit was made to the Boiler House of the City General Hospital adjoining Fir Vale where many interesting points were noted.

Tea was then served in the Board Room which was enjoyed by everyone, after this the talk given by Mr. Chynoweth was discussed which brought many enlightening comments from members. Mr. Chynoweth was thanked by the Chairman for the excellent way he had put the subject over and everyone agreed on the interesting character of the matter under discussion.

A Proposal Form for Mr. Rowe of Hull was returned for further details.

A vote of thanks for the hospitality and facilities placed at our disposal was carried and Mr. Chynoweth was asked to convey our thanks and gratitude to those concerned. The Secretary was also asked to write the Group Secretary on similar lines.

The meeting terminated at 6.45.

J. W. BRODIE (*Chairman*)

G. R. THWAITES (*Branch Secretary*)

SOUTHERN BRANCH.

Minutes of 38th Branch Meeting held at Southlands Hospital, Shoreham-by-Sea on 31st March, 1951.

Present. Messrs. Chynoweth, Alderton, Black, Collins, Conway, Forsyth, Finney, E. Harrison, E. C. Harrison, Jones, F. C. Rogers, Robbie, Sayers, Shepherd, Taylor, Wellby and the Secretary.

The Chairman congratulated Mr. Forsyth on his election as Vice-Chairman of the Institution.

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

Correspondence. Letters of apologies were read, also branch minutes of Glasgow and Midlands branches, Sandford Premium competition and letter from Mr. Sankey, Oxford re apprentices.

Mr. D. J. Read, illuminating engineer, gave a talk on "The Lighting of Hospital Buildings," illustrated by slides. A discussion followed. Several of the fittings illustrated were being installed at Southlands.

Council Report. Mr. Forsyth gave a full report of meeting held at Newcastle on March 3rd. He thanked the branch for the congratulations on his office and said he considered it as an honour to the branch.

- (a) Treasurer's report showed a satisfactory balance of over £2,300.
- (b) Paid Secretary—was adjourned till next meeting.
- (c) Mr. Rogers again elected chairman of Whitley Council ; staff committee.
- (d) British Standards Institution report.
- (e) News Letter—advertisements were almost covering cost of publication.
- (f) Annual General Meeting—M.O.H. would attend and president to have a chain of office.

Mr. Wellby proposed and Mr. Shepherd seconded "That Mr. J. Hargraves be elected a Vice-president of the Institution in recognition of the sterling work he has done, in the formation of the Institution and as it's first Chairman."

This was unanimously agreed.

Members asked if inquiries had been made re professional secretariat and Mr. Forsyth replied that they were available.

A.O.B.—Mr. Chynoweth asked for information re electric bed pan sterilisers ; a good discussion developed on this subject and it was suggested a speaker be obtained on Sterilisation. A vote of thanks was given to Mr. Reed for his talk. Messrs. Sayers and Alderton were thanked for their hospitality

Mr. Harrison moved a vote of thanks to lecturers at recent Hospital Engineer Course at Portsmouth.

It was agreed to hold next meeting at St. James' Hospital, Portsmouth on May 12th, at 2.30 p.m.

An enjoyable tea was provided by the Hospital and the secretary was instructed to convey our thanks and appreciation to Mr. Aldridge, Administration officer.

The meeting closed at 6.15 p.m.

J. C. CHYNOWETH (*Chairman*)

F. T. TIVEY (*Secretary*)

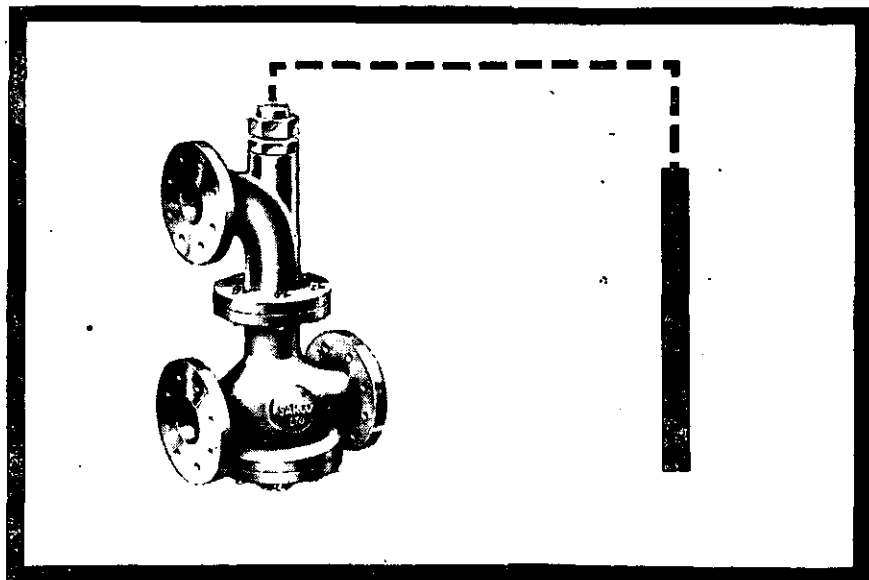
SOUTHERN BRANCH.

Minutes of the 39th Branch Meeting held at St. James' Hospital, Portsmouth, on Saturday, 19th May, at 2.30 p.m.

Present. Messrs. Chynoweth, Conway, Taylor, F. G. Rogers, Budd, Tucker, Sayer, Finney, Ferris, Bennett, Jones, Bullard, Roberts, E. Rogers and Secretary.

Mr. W. R. Carpenter, Secretary, welcomed us to St. James' and offered hospitality at any time. Mr. Chynoweth suitably replied.

Minutes of last meeting being circulated were taken as read, and after approval signed by the chairman.



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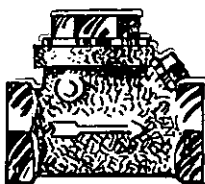
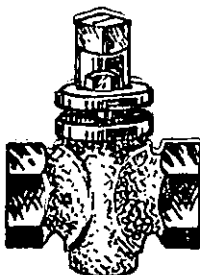
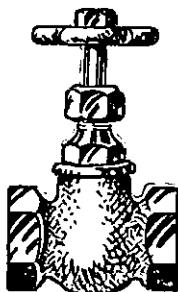
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Correspondence—Secretary read minutes of Midland and Yorkshire branches. Also letter from Mr. Gray, Northern Ireland; apologies taken as read.

Arising out of Minutes—Council Members were asked to press for the issue of certificates, branch members did not approve of a rubber stamp being used on these.

Application received from W. Sleight, "Gentian," Buckbury Lane, Staplers, Newport, I. of Wight, employed as Foreman fitter for group, retired Lt. Engineer R.N. was considered. Mr. Jones proposed and Mr. F. G. Rogers seconded that he be recommended for election as Associate member.

This was carried without dissention.

Council Membership—On this point being raised rule 26 of draft of Incorporation was discussed and Mr. Chynoweth was instructed to seek Council's proposed action in regard to election of Council Members. It was felt that this should be by postal ballot.

Hospital Engineers Course—The Secretary reported on R.J.E.C. meeting on 9th inst. and stated that provision was available for a course to be run at Southampton next session.

Mr. Rogers said a Chairman was necessary and that lecturers should meet prior to course.

Mr. Jones stated that the Chairman should be a Hospital Engineer and the lecturers specialists. It was generally agreed that the lectures could be reduced from 11 to 9.

Works Visit—The General Electric Company have extended an invitation to visit the Wembley Lamp Works on a weekday. Would all members who would be willing to partake of a visit during August please inform the Secretary.

A.G.M.—Secretary reported progress, members were asked to give their names in if they were attending.

Tea was provided by the Hospital and enjoyed by all, and members were invited to tour the Hospital.

A vote of thanks was proposed to Messrs. Roberts, Conway and Bullard also to Hospital Authorities for hospitality, and the secretary was instructed to write to the secretary of St. James'.

Closure was applied at 6.0 p.m.

J. C. CHYNOWETH (*Chairman*)

F. J. TIVEY (*Secretary*)

GLASGOW BRANCH.

The members of the Glasgow Branch held their June meeting in the Station Hotel, Perth, on Saturday, June 9th, 1951, at 3 p.m.

The Branch were honoured in having with them J. J. Tomlinson, Esq., Chairman of the Institution.

D. Mackay, Esq., occupied the chair in the absence of our Branch Chairman who has been seriously ill for some time in Glasgow Royal Infirmary. On the motion of Mr. Mackay, we place on record our sincere wishes for the Chairman for a speedy recovery.

The following members tendered apologies for non attendance :—Messrs. Richardson, Bain, Hendry, Penman, Macdonald, and Howie.

The Secretary suggested that a branch might be formed in the Perth area to cater for the members in this wide and scattered district, it would also assist in recruiting new members. Mr. Mackenzie of Perth was duly elected as the first Mid-Scotland Branch Secretary, it was decided to hold over the election of a Branch Chairman until the inaugural meeting of the newly formed branch. 17 members were transferred from the Glasgow Branch to form the nucleus for the new mid-Scotland Branch.

Mr. Crawford of Glasgow read a report of the last Council meeting held at Leeds on 2nd June, 1951, the report had been sent on by Mr. Richardson who was unable to be present.

The Chairman called on Mr. J. J. Tomlinson to address the meeting, who was listened to with great interest. Mr. Tomlinson, elaborated on the Council meeting previously reported, he then went on to deal with the question of Scottish appeals.

Questions were invited, several were asked re Whitley Council activities and the various anomalies which are now apparent in P.T.B. 3.

Mr. Tomlinson satisfied those present that both himself and R. H. Smith would note the points raised and would endeavour to bring these forward at the future meetings of Whitley Council Committee D.

On a call from the Chair, Mr. Tomlinson was warmly applauded for his gesture in travelling so far to address us. Mr. Tomlinson suitably replied.

One application was read on behalf of G. M. Caldwell ; this was unanimously approved.

The assembled members then adjourned for high tea.

22 members were present and in view of the fact that it was such a glorious day we feel fortunate in having this number.

(Signed) D. MACKAY (Vice-Chairman)

LONDON BRANCH.

The Branch Social Committee spared no effort to make Saturday, 26th May a real day out for members and guests.

At 9.30 a.m. the party assembled at Charing Cross Station forecourt where coaches were waiting to convey them to Messrs. Plimbers works where they were able to study at first-hand the methods and materials used in the manufacture of the firm's products.

After a very edifying tour of the works, the party were entertained to lunch as the guests of Messrs. Plimbers.

At 2.30, the company arrived at The Westminster Hospital to attend the monthly meeting of the branch, when Messrs. Plimbers representatives gave a very interesting and instructive talk on the firm's products and their uses, and answered numerous questions put by the members concerning the various materials used and the processes of manufacture which they had seen during their tour of the works.

To conclude the programme, the company foregathered at The Westminster Arms at 6.30 p.m. where the 4th Annual Dinner and Cabaret had been arranged. This, as usual, was extremely well arranged, and in keeping with the high standard of efficiency of the Social Sub-committee of the Branch (of which Mr. W. Woolsey is the Honorary Secretary) who had devoted their energies whole-heartedly to ensure a successful and entertaining day.

The diners had the pleasure of the company of H. A. Sanford, Esq., Vice-President and President Elect of the Institution, who always has some sound advice and a good story to offer, and Hector Hughes, Esq., K.C., M.P., whose service to the Institution are well-known and who also surprised most of the members by his skill as an entertainer when he did his party piece. Other guests were R. E. Rogers, Esq., Vice-President and Chairman of the Staff side of the Whitley Council, J. J. Tomlinson, Esq., Chairman of The Institution, J. Forsyth, Esq., Vice-Chairman of the Institution, H. S. Clarke, Esq., Hon. General Secretary, and R. G. Rogers, Editor of "The Hospital Engineer."

During the evening, the Branch Chairman, J. Stracham, Esq., presented to R. G. Rogers, on behalf of the London Branch, a portable radio set to mark the occasion of his retirement as Chairman of the London Branch and his retirement on superannuation from the Hospital Service.

The proceedings ended at 11.0 p.m. when everyone present expressed the view that they had had a most enjoyable day.

EDITOR.



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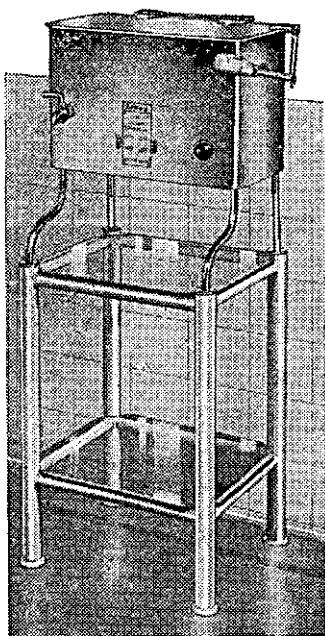
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