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**R·S·G·B**

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# **BULLETIN**

JOURNAL OF THE RADIO SOCIETY OF GREAT BRITAIN

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**October 1942**

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# R.S.G.B. BULLETIN

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## HAM HOSPITALITY

FROM time to time members write to ask what arrangements have been made by the Society to ensure that overseas amateurs, serving in the British Isles, are put in touch with other amateurs.

From the earliest days of the war the Society has endeavoured in many ways to make it known that a welcome awaits all amateurs who visit these shores. For example, complimentary copies of our Journal are sent each month to the Beaver and similar Clubs frequented by soldiers, sailors and airmen from overseas, and notices have been posted in the reading rooms. The *Bulletin* is also sent to a number of R.A.F. stations, including the various Signals Schools. *QST* has periodically published the address of R.S.G.B. Headquarters, and has urged A.R.R.L. members serving in Great Britain to get in touch with the Society. Our colleagues in Australia have gone one better, for each issue of *Break In* (official Journal of the Wireless Institute of Australia) carries a quarter page advertisement inviting Australian amateurs now in Great Britain to communicate with the Society.

We realise however that much can still be done to bring our overseas visitors into closer touch. One suggestion, made by Mr. Streeter, G5CM, calls for consideration. He recommends that the R.S.G.B. windscreen sticker be prominently displayed in all

Y.M.C.A. and N.A.A.F.I. canteens as well as in private clubs used by Service men. He also suggests that the name and address of the nearest amateur be clearly written at the foot of each sticker. In order to carry his suggestion into effect members would be required to contact the organisers of local clubs, but we do not visualise any difficulties in this direction. Our experience is that they are only too willing to comply. As supplies of wind-screen stickers are available free of charge from Headquarters, it is hoped that members throughout the British Isles will make application so that Mr. Streeter's suggestion can be given a fair trial. We believe it holds good promise.

A comprehensive list of members who offer hospitality to Service amateurs is published in this issue. In thanking them for their kindly gesture we make one suggestion for what it is worth—keep a Visitors Book and ask all who accept hospitality to contribute a few comments—the pithier the better! When the war is over such a record will bring pleasure to those who have acted as hosts, besides providing interesting reading for all post-war visitors to the station.

Members who wish to avail themselves of hospitality are urged to note the conditions governing each offer. At the moment nearly everyone is working long hours, and appointments are not always easy to arrange. Before calling, endeavour to contact your host-to-be by telephone so that he can prepare for your visit. If he is not on the 'phone drop him a postcard.

The difficulty of providing food and drink for visitors is known to us all, therefore, as an act of courtesy, suggest that your visit takes place between meals. More often than not your host—and hostess—will go out of their way to provide a snack—if they don't, recognise that rationing is "tight".

After accepting hospitality remember to drop a line to your new-found friends and thank them for the courtesy extended. We have heard of cases in the past of members enjoying the friendliness of a home during their stay in a certain town, and then disappearing without a word of appreciation.

The Ham Hospitality list published in this issue cannot be repeated for some months to come. We have however, arranged for a few extra copies to be made available in loose leaf form for the benefit of those members who do not wish to deface their copy of the *Bulletin*.

In our Correspondence columns we reproduce a letter from a member who has sampled the hospitality offered by the Belfast Y.M.C.A. Radio Club. In his letter the writer has brought home the real value of Ham Hospitality, namely, the creation of a bond of friendship between men sharing interest in a common hobby, which is not affected by creed or politics. J.C.

# THE CURRENT FEED-BACK AMPLIFIER

By COLIN COATES (G5CS)\*

THE system known as negative feedback is frequently used in audio frequency amplifiers and modulators in order to improve their performance. The advantages gained by the use of this system can be summarised briefly as: (a) reduced distortion, (b) greater stability, and (c) reduction in hum and noise. As the negative voltage feedback circuit is fairly well-known, it will not be discussed here.

Current feedback on the other hand does not seem to have been used to any appreciable extent in amateur equipment, therefore in this article it is proposed to describe the method of operation, and additionally to suggest some uses, for an amplifier embodying this principle.

## Typical Pentode Voltage Amplifier Design

Consider a stage in an A.F. amplifier. Fig. 1a shows a pentode of the 6C6 or 6J7 type arranged for current feedback. The values of the anode resistor,  $R_L$  and the screen dropping resistor  $R_S$  are suitable for a high fidelity stage, giving linear frequency response up to 20,000 cycles per second.

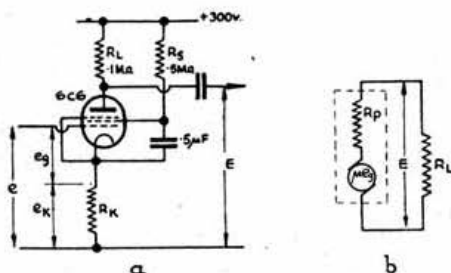


Fig. 1.

Current feedback amplifier.  
(a) Pentode voltage amplifier.  
(b) Simplified equivalent circuit.

First let the cathode resistor,  $R_K$ , equal zero. The circuit is now that of a resistance coupled stage, and can be represented by a simple equivalent circuit, Fig. 1b. The valve is represented as a generator of voltage  $\mu e_g$  and resistance  $R_p$ . It can be seen that the stage magnification,  $M$ , is equal to

$$\frac{E}{e_g} = \frac{\mu R_L}{R_p + R_L} \quad (1)$$

where  $\mu$  is the amplification factor, and  $R_p$  the anode resistance.  $e_g$  is the alternating voltage between the grid and the cathode, and is equal to the input voltage  $e$ .  $E$  is the alternating voltage between anode and ground.

Now let  $R_K$  have a finite value. The grid-cathode voltage is now less than the input voltage  $e$ , as an opposing alternating voltage appears across  $R_K$ . The magnitude of this voltage  $e_k$  is  $dI R_K$ , where  $dI$  represents the alternating component of the cathode current.

The article by Mr. S. H. Hargreaves entitled "The Cathode Follower" which appeared in the May 1942 issue of *The T. & R. Bulletin* sets out very clearly

the operation of this type of circuit. But whereas the magnification of a cathode follower is always less than one, the magnification of the current feedback stage lies between that of a resistance coupled stage and of a cathode follower.

The value of  $M$  is approximately

$$\frac{E}{e} = \frac{\mu(R_K + R_L)}{\mu R_K + R_L + R_p} \quad (2)^\dagger$$

The effect of introducing the cathode resistance is to change the apparent valve parameters  $\mu$  and  $R_p$ , and the circuit is still equivalent to Fig. 1b. Denoting the new values of  $\mu$  and  $R_p$  as  $\mu^1$  and  $R_p^1$ , we obtain

$$M = \frac{\mu^1 R_L}{R_L + R_p^1}$$

where  $\mu^1 = \mu \left( \frac{R_K}{R_L} + 1 \right)$  and  $R_p^1 = R_p + \mu R_K$ .

It will be seen that if the anode resistor  $R_L$  is constant, the stage gain  $M$  will be determined by  $R_K$ .

This can also be shown in the following manner, assuming the amplification factor  $\mu$ , anode resistance  $R_p$ , and the anode load resistor  $R_L$  to be constant.

The valve magnification,  $\frac{E}{e_g}$ , depends only on  $\mu$ ,  $R_p$  and  $R_L$ , all of which are constant (equation 1). Thus the valve magnification—that is, the ratio of grid-cathode voltage to output voltage—is constant. Now if the cathode resistor is introduced, the ratio of input voltage to grid-cathode voltage changes. Although the input voltage may be ten volts, if  $R_K$  is of suitable value, the grid-cathode voltage will still be, say one volt.

To find the value of  $R_K$  for any desired gain  $M$ , equation 2 can be solved with respect to  $R_K$ , giving

$$R_K = \frac{\mu R_L - M (R_L + R_p)}{\mu (M - 1)}$$

It is generally not desirable to make  $R_K$  greater than  $R_L$ . In Fig. 1a, if  $R_K$  is varied between the limits 0 and 100,000 ohms, the magnification changes from 92 to 2; expressed in decibels, 39 to 6. This gives a possible variation in gain of 33 db, with the valve working at constant input and on the linear portion of its curve. The peak output voltage, with 300 volts supply, is about 90, if the grid resistor of the following valve is 0.5 megohm or more.

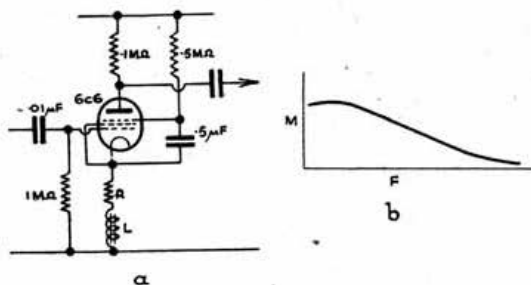


Fig. 2.

(a) Circuit giving a falling frequency characteristic (b).

If the total resistance of  $R$  and  $L$  is approximately 600 ohms., the grid bias can be obtained as shown.

\* 143 Hillcroft Crescent, Oxhey, Watford, Herts.

† Note: Equation 2 is correct to within 0.1 per cent. for pentode valves.

## Amplifier Design Embodying a Falling Characteristic

It is often necessary to design an amplifier which possesses a sloping frequency characteristic. This can be arranged by using a stage of current feedback in which the cathode resistor is replaced by a simple network having a reactive element; for example, a resistor shunted by a condenser or an inductance, or a resistor in series with an inductance.

Fig. 2 shows a circuit giving a falling frequency characteristic and the general shape of the response characteristic.

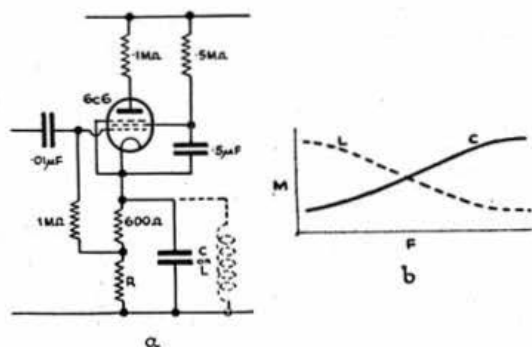


Fig. 3.

(a) Circuit giving a rising frequency characteristic (b).

If an inductance is substituted for the condenser, a reversed curve will be obtained—shown dotted.

### Circuit to Produce a Rising Characteristic

Fig. 3 shows a circuit used to increase the high frequency response of an amplifier. Such a circuit can be used to equalise the losses in a selective radio receiver.

In designing equaliser stages of this type, it is best to plot from equation 2, gain against cathode impedance ( $Z_c$ ) for the valve to be used. For the 6C6 valve of Fig. 1, a curve can be prepared from the following figures:

$Z_c$ , ohms;	0	1000	2000	3000	4000	5000
M, db ..	39	33.8	30.5	28.5	26.8	24.9
$Z_c$ , ohms;	6000	7000	8000	9000	10000	20000
M, db ..	23.5	22.5	21.7	21	20	16
$Z_c$ , ohms;	40000	60000	80000	100000		
M, db ..	11	8.3	7	6		

In circuits of the type of Fig. 2, having a series cathode circuit, the maximum gain is determined by the value of the series resistor, and the shape of the curve by the value of the inductance. These values can be found by means of a vector diagram (Fig. 4a). Since  $Z^2 = R^2 + X^2$  (where  $X$  is the reactance, and is equal to  $2\pi fL$  or  $\frac{1}{2\pi fC}$ ), the value of  $Z$  can be represented by the hypotenuse of a right angled triangle with sides  $OA = R$ , and  $OB = X$ .

From the curve of  $Z_c$  to M, the required value of  $Z$  at any frequency can be found. Select the value of  $R$  to give the maximum desired gain, then draw an arc of radius  $Z$  and centre A. The intersection of this arc with  $OB$  gives the required reactance. The size of the inductance can then be found by calculation, or from abacs or tables.

It is usually sufficient to find the required values for five frequencies. The frequency response curve

of the stage can then be drawn through these five points.

Grid bias can be provided by the cathode resistance. Quite often the resistance of the cathode circuit can be chosen to give the correct value of bias. For the 6C6 of Fig. 1 this is 600 ohms. Where it is not possible to use 600 ohms, and where the resistance is higher than this value, it can be tapped at a point 600 ohms down from the cathode, as in Fig. 3.

If the resistance required for equalisation is less than 600 ohms, a 600 ohm resistor should be included, and all or part of it by-passed by a  $25 \mu F$  electrolytic condenser. If the source impedance is very high, some proportion of the alternating cathode voltage will be fed back to the grid through the grid resistor, reducing the gain of the valve. This can be avoided by providing a simple filter to decouple the grid from the cathode. Suitable values are 0.5 megohm and  $0.1 \mu F$ .

In this connection it should be noted that the input impedance of the valve is increased, in the same way as that of the cathode follower (see Mr. Hargreaves' article). As already shown, the output resistance is increased to  $R_p + \mu R_k$ . In a voltage amplifier stage this is not important, but current feedback cannot be used in a stage which is required to deliver any power, such as a class B driver stage.

### The Construction of Vector Diagrams to obtain Values of R and X

Circuits of the type shown in Fig. 3 involve calculating the values of  $R$  and  $X$  in parallel. This is not quite so simple, as it brings in reciprocals of reactance and resistance. A vector diagram (Fig. 4b) can be constructed, and from this the values obtained. The impedance  $Z$  is represented in magnitude by the perpendicular  $OC$  to the hypotenuse of a right angled triangle  $AOB$ , where  $OA$  is resistance, and  $OB$  the reactance.

In this circuit the value of  $R$  limits the amount of attenuation, that is, the minimum gain. The maximum gain can be limited by a resistance in series with the reactance.

### A Practical Example—Equaliser Stage

It may be of interest to work out an equaliser stage to correct the losses of a gramophone pick-up. Measurements were made on an early design of Rothermel piezo electric pick-up. The frequency response of the pick-up, shunted by a resistance of one megohm, is:—

c.p.s.	50	100	250	500	1000	2000	4000	6000
db ..	4.4	3.2	2.3	1.3	0	-1.4	-3.1	-3.6

These measurements were made with a Decca test record, which has a reduced level below 250 c.p.s. However, it is an advantage to have a rising overall characteristic below 250 c.p.s. as the average domestic

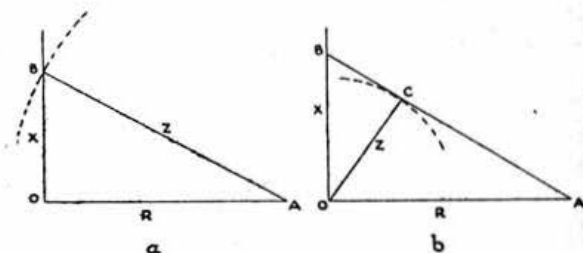


Fig. 4.

Vector diagrams for (a)  $R$  and  $X$  in series; (b)  $R$  and  $X$  in parallel.





# VIBRATOR-OPERATED POWER SUPPLY UNITS\*

By R. POLLOCK (G5KU)†

THE buzzer or trembler type of make-and-break has been used for many years in the design of H.T. supply systems. The simplest type presents some attractive features where high voltage D.C. is required whether or not an L.T. battery is the only source of power. The feature of using the "back kick" from a choke coil, when an interrupted low voltage supply is applied, has an advantage in that the high voltage pulses are, so to speak, supplied ready for smoothing.

## The Problem of Efficient Conversion

It was not until the demand for a power unit to feed car-radio sets created the need for an efficient system of obtaining A.C. (or rectified A.C.) from a 6 or 12-volt battery, that the modern type of vibrator unit was evolved. Apart from the requirement of reliable and consistent performance, it was the consideration of efficient conversion which led to the present form.

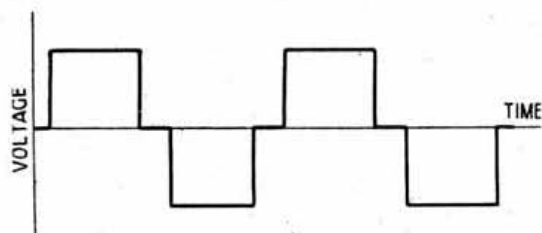


Fig. 1.

Timing of contacts obtained from the waveform with resistive load.

In the design of medical "shocking" coils, or ignition coils, no attention is paid to the ratio of watts in and out, nor is consideration given to the form of the output, in fact a fairly heavy drain on the battery usually occurs whether or not a load is applied to the output. The output is composed of a series of short, sharp pulses which bear no resemblance to a waveform containing an appreciable amount of power. To obtain a semblance of power transformer conditions the D.C. component, of the iron-core magnetising cycle at each make and break, must be removed. This involves a 1-pole 2-way action by the interrupter with a centre-tapped primary winding or centre-tapped battery. In this way A.C. only flows in the transformer winding and, provided the frequency of the vibrator is stable, the transformer allows for design along normal lines. Further, the output from the secondary winding tends to be a replica of the primary input.

As the secondary output power will not be a measurable quantity until the waveform of the voltage developed encloses a maximum of area during each half-cycle, it requires the time of closure of the vibrator contacts to occupy the maximum possible time per cycle, i.e., the transition from one contact to the other must be as rapid as possible, relative to the time of one half cycle.

## Wave-Form Characteristics

The cycle of operations is shown in Fig. 1, which is the waveform obtained by connecting the vibrator contacts to a centre-tapped resistance. The area

above or below the zero line is only reduced from the maximum possible by the short horizontal portion, which represents the time occupied by the reed to swing from one side to the other. In modern vibrators of the 115 cycle type this timing efficiency is as high as 95%.

The vibrator and associated transformer have one primitive feature which must be inhibited to obtain a civilised action! This is due to the fact that, although with a correct impedance match on the secondary Fig. 1 is reproduced, any other condition will tend towards Fig. 2, which shows that at each "break" of the contact cycle the "back-kick" effect is obtained. This is corrected by adding a "buffer" condenser to the primary or secondary winding. It usually represents a tuned winding state of affairs and thus, in the case of normal H.T. supply units, a sensible size such as  $0.1 \mu\text{F}$ , can be applied to the full secondary winding. Otherwise it would involve the use of some 12–20  $\mu\text{F}$  of capacity across the primary in order to obtain the same effect.

When this condenser is in place (and it is usually determined in the first place by finding what capacity is required to render the input current a minimum on no-load), the waveform changes from the peaky shape of Fig. 2 to the square form of Fig. 3.

## General Design Features

Basically all vibrators are in the form of a 2-way switch, and they are usually maintained in vibration by means of an electric bell type of coil and pole-piece. In the standard plug-in type of vibrator this coil is connected in shunt with one fixed contact and reed, so that on "make" it is shorted out. This form of excitation involves no more R.F. suppression than is required by the main action of the vibrator. There are other types of vibrator with separate exciter coil contact (as in an electric bell) which tend to have no R.F. suppression provision and involve an extra base connection.

## High Power Units

The only variations on this basic type are the assembly of two or more sets of contacts in parallel, and simultaneously timed, to enable high power handling capacity, or the arrangement of a second separate set of reed contacts and fixed contacts to enable the H.T. secondary voltage to be synchronously rectified. The later arrangement has much to recommend it from the aspect of good regulation, although, unless a mechanically weak system of a double reed is incorporated, it necessitates the common connection

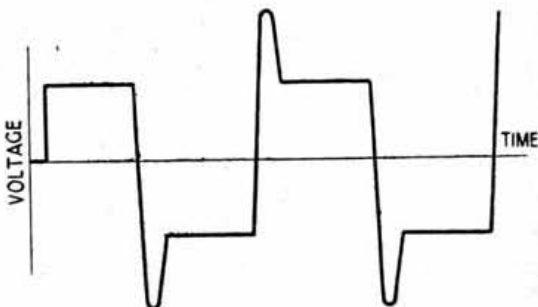


Fig. 2.

The waveform with an inductive load shows a serious peak at each break of contact.

\* A Lecture delivered to the Society by the Author at the Institution of Electrical Engineers, London, on May 2, 1942.

† Chief Engineer, Masteradio, Ltd., Watford.

of H.T. output to L.T. Relative polarity of input and output is dependent merely on the relative phasing of the poles of the L.T. and H.T. contacts.

### The Synchronous Vibrator

Fig. 4 shows the waveform of the synchronous type of vibrator; it will be seen that it exhibits the feature of small peaks at the start and finish of each half cycle. These are due to the H.T. contacts making after, and breaking before, the L.T. contacts so that the load is connected during a steady state and not while the voltage is changing rapidly.

Fig. 5 illustrates the usual circuit arrangement for an interrupter-type vibrator and separate rectifier, whilst Fig. 6 depicts a synchronous rectifier circuit.

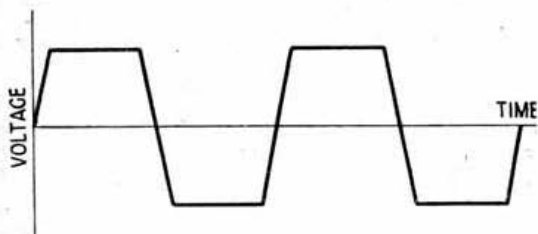


Fig. 3.

The optimum wave form obtained with normal buffer condenser. A sine wave is possible if the extra capacity current is allowable.

### Overcoming Arcing

In the case of vibrator packs for 12, 24 volts, etc., it is found necessary to add a fairly large capacity to the primary (1 or 2  $\mu$ F) in order to overcome the tendency to arc on these higher input voltages when the unit is switched on. This tendency is due to the reed having a fairly high "Q" and because it takes a considerable number of cycles to attain full amplitude. At low amplitude it "dithers" lightly on the fixed contacts with very poor timing efficiency and may arc sufficiently to weld up the contacts. The primary condenser is quite useless apart from this requirement.

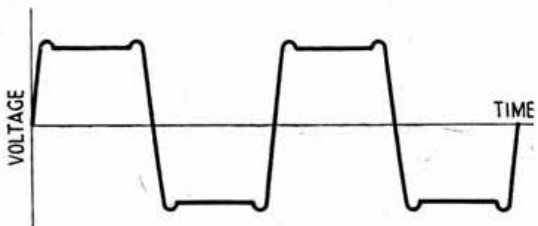


Fig. 4.

The synchronous vibrator has the H.T. contacts operating only on the flat part of the wave form of Fig. 3.

### R.F. Suppression

The circuits show the normal requirements for R.F. suppression, i.e. low pass filters comprising R.F. chokes and by-pass condensers in the L.T. input and H.T. output. The more modern development of power units for high sensitivity communication sets, especially where a common battery is used for vibrator pack and heater supply, has involved a balanced filter arrangement for the battery leads, and the application of an R.C. system to the contacts to ensure complete absence of sparking or high frequency oscillation at the transitional parts of the waveform. Receivers such as the H.R.O. covering from the ultra-shorts to Rugby long-wave can now be used with vibrator power supplies with no sign of vibrator

interference occurring in the output. In fact, one or two cases have been recorded where the operation has been quieter than on A.C. mains. The built-in vibratory power unit, as an emergency source of supply, is now no longer a problem.

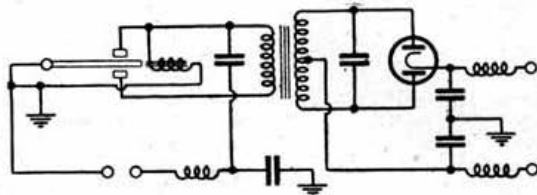


Fig. 5.

The standard vibrator pack has R.F. filters in L.T. and H.T. lines and is rated for condenser input ripple filter operation.

### Power-Handling Capacity

The power-handling capacity of the standard type of vibrator is limited to whatever output demands are made on an input up to 7 amps. The conversion efficiency is up to 85% in the case of higher power ratings, although for a model operating at, say, 120v. 7mA. an efficiency not greater than about 40% is usual.

The power supply unit in a standard form for application to existing sets, or smoothing systems, is available in some sixty different ratings, whilst the fully suppressed, and smoothed, types are available for many types of communication receivers.

High power vibrators are also manufactured, but these are chiefly intended for use in D.C./A.C. converters. Such units rate up to  $\frac{1}{2}$  kw. on the 220v. D.C. input types. These are usually 50 or 60 cycle vibrators and in one particular form they can be guaranteed on frequency to limits of  $\pm 0.2\%$ .

So far very little work has been done in connection with high frequency units (such as 500 c/s), but their application to light-weight power units, where the size of transformer and smoothing system is small, should present a useful advance in technique.

### Applications

Several variations on the standard form of circuit are possible with standard vibrator types. Thus the synchronous type can be used as a transmitter supply unit from the H.T. contacts (they will operate up to 600 volts, 100mA, if required), while a second H.T. winding can be separately rectified for control items, or low-power stages, where only a few milliamps are required, and regulation is not so important.

(Continued on page 64)

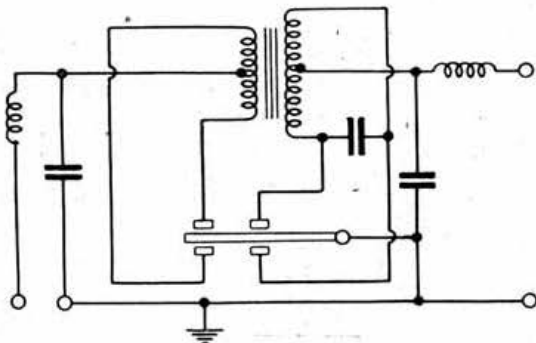


Fig. 6.

Polarity of the synchronous vibrator pack depends on relative primary and secondary connections to contacts.



## HAM HOSPITALITY

WE have pleasure in listing the names and addresses of those members who have notified Headquarters of their willingness to extend hospitality to visiting amateurs. It is particularly requested that those who avail themselves of hospitality should note carefully the conditions governing each offer.

Town	Name and Address	Call or BRS	Telephone	Availability	Previous Notice Req'd.
BERWICK	O. C. Doley, Orkney House, Norham	4679	Wooler 48	Evens. & weekends*	No
BINBROOK (Lincs.)	F./Lt. H. W. Simpson, Wold View	68DI	—	—	Yes
BOLTON	G. & M. Shackle, 32 Bromwich Street	2DVQ	Bolton 3945	Evens. & weekends	Yes
BOURNEMOUTH	L. J. J. Morgan, 45 Parkwood Road	2HNO	Southbourne 1118	Any time	No
BRADFORD	C. A. Sharp, 316 Poplar Grove, Gt. Horton	6GKU	Bradford 10772	Mon., Wed. (evens.), weekends after 2 p.m.	Yes
BURNHAM-ON-CROUCH	H. A. Savage, 53 Station Road	G28A	Burnham 2136	Any day	No
CAVERSHAM	R. C. Horsnell, 21 Nelson Road	G2YI	Reading 72871	Any time	—
CHADWELL HEATH	G. L. Sanderson, 52 Ashton Gardens	2DBT	Seven Kings 4655	Tues., Wed., Sat., Sun., after 7 p.m.	Yes
CLAPHAM PARK	R. F. R. Clark, 18 Parkthorne Road	G5PY	Tulse Hill 7133	Evenings	Yes
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HESTON	G. Spriggs, 28 Almorah Road	G4KG	—	Any time except Mon. and Thurs.	—
HIGH WYCOMBE	C. M. Freer, 37 Melbourne Rd., Micklefield Estate	4781	—	Evenings, Sats. after 5 p.m. Suns.	Yes
ILFORD	C. H. L. Edwards, 10 Chepstow Crescent	G8TL	—	Mon. to Wed. (noon)	Yes
LEICESTER	J. Fairley, 19 Francis Avenue, Narborough Road South	G2IX	—	Evenings from 6 p.m.	No
LOUTH	C. Thackeray, The Row, Benniworth	3880	—	—	—
MIDDLESBROUGH	G. A. Kenyon, 32 Emerson Avenue	G3YK	Middlesbro 8557	—	Yes
MINEHEAD	T. C. Bryant, Beaconwood Hotel	G38B	Minehead 32	Evenings	Yes
NEWCASTLE	W. Haley, 43 Hyde Terrace, Gosforth	5236	—	Irregular	Yes
NORTHAMPTON	R. B. Waite, 61 Broadway	G3PZ	Cranford 254, Ext. 12	Irregular	Yes
NORTHFLEET	V. H. S. Curling, 66 Burch Road	G6VC	—	—	Yes
NORWICH	R. B. Houlst, 26 Elm Grove Lane	2FOH	Norwich 22335	Evens. & weekends. Appointment only.	Yes
NORWOOD (S.)	W. D. Gilmour, 35 Grangecliffe Gardens	G2VB	—	Sun. and evenings after 6 p.m.	No
PETERBOROUGH	R. C. Frisby, 32 Lime Tree Avenue	2FQV	—	—	—
PLYMOUTH	Lt. H. Jones, 82 Dean Pk. Rd., Plymstock	G5ZT	—	—	—
PORTSMOUTH	J. S. K. Stephens, 65 Ebery Grove, Copnor	G8WC	—	Daily after 7 p.m.	Yes
POYNTON	B. Lingard, Alasdair, Chester Road	G3IR	Poynton 2087	Evenings	Yes
READING	R. G. Nash, 9 Holybrook Road	4573	—	Any weekday	Yes
ROTHERHAM	W. Hobson, 51 Warden Street, Canklow	4157	—	Some Saturdays.	Yes
ST. MARGARETS ON THAMES	J. N. Roe, 27 Riverdale Gardens	G2VV	Popesgrove 4871	Sundays.	Yes
SHIPLEY	C. W. Kirk, 20 Branksome Drive, Nab Wood	G4CL	Shipley 1655	Any time	No
SHREWSBURY	D. R. Pugh, 21 Racecourse Av., Monkmoor	Ex2B2A	—	Any time	Yes
SLOUGH	W. S. Coleclough, 33 Kendal Drive	3735	—	Weekends preferable	Yes
SOUTHEND (ESSEX)	K. W. Harbridge, 26 Hampton Gardens	G3XC	Southend 45186	—	—
STAFFORD	H. L. Mitchell, 271 Sandon Road	G2KH	Stafford 512	Evens. & weekends by appointment.	Yes
STOCKTON-ON-TEES	R. J. Bradley, 36 Raby Road	2AMG	—	After 6 p.m. any day except Sunday.	No
SUDBURY (SUFFOLK)	C. H. L. Edwards, Speedways, Bartholomews Lane	G2FO	—	Weds. 5 p.m. to Suns.	No
TAUNTON	C. J. Fish, Rosemary, Vera St. Rowbarton	G8TL	—	Any time	No
TAVISTOCK	T. G. Ward, Tormeen, Mary Tavy	G4OM	—	Evenings	Yes
TOTTENHAM	W. V. Champion, 12 Bedford Road	2FKO	Marytavy 78	Evens. & weekends	Yes
WALLINGTON	W. W. Barnes, 30 Crichton Avenue	G8CY	Sta. 1035	—	—
WATFORD	C. Coates, 143 Hillcroft Crescent, Oxhey	G2FI	Wallington 6208	Weekends from 2 p.m. Sat.	Yes
WESTON-SUPER-MARE	W. E. D. Parker, Kaynor, Worlesbury Park	G5CS	Watford 9603	Any time	—
WORKSOP	E. R. Martin, Castle Mount	G6BY	Weston 905	—	—
"	A. Cartledge, 341 Carlton Road	G6MN	Worksop 2190	—	Yes
"	—	3939	Worksop 2491	—	Yes
<b>N. IRELAND</b>					
BANGOR	A. T. Kennedy, 38 Donaghadee Road	G13KN	—	—	—
BELFAST	J. C. Graham	GM3TR	Bel. 58000	—	—
"	S. C. Black, "Avondale," Antrim Road, Glengormley	G13IA	—	—	—
"	R. S. Holden, 260 Grosvenor Road	G15HU	—	—	—
"	J. N. Smith, 19 Hawthornden Drive, Belmont	G15QX	Bel. 63323	—	—
"	S. N. Johnson, 10 Cyprus Avenue	G15SJ	—	—	—
"	F. A. Robb, 60 Victoria Avenue, Sydenham	G16TK	—	—	—
"	City of Belfast Y.M.C.A. Radio Club, Wellington Place (3rd Floor)	G16YM	—	Wed. evenings 8 p.m.	—
"	S. R. Watson, 53 Knutsford Drive, Cliftonville	G18GK	—	—	—
"	J. Nickle, 15 Clonlee Drive	2HCC	—	—	—

\* Accommodation offered.

Copies of this list may be obtained on application to Headquarters. A stamped addressed envelope should be included.

# KHAKI AND BLUE

● Sq./Ldr. John "DX" Hunter, **G2ZO**, tells an amusing story. One afternoon recently, he attended, in company with **V86AQ**, a meeting at which many Americans were present. After mildly complaining to his companion that he had met very few American hams to date, the latter remarked, "well that guy over there is **W3CIE**." John chatted with **CIE** and asked him where some of the other U.S. hams were located. His answer was "Right here." Then he "produced" **W4CRJ**, **W5GXI**, **W5KIT**, **9FIA-9MKA**, **W6AEG**, **K5AF-W3HCC**, **K6DTG** and **ex K4INF**! After waiting for three years John "raised" four continents in as many minutes—almost as good DX as in peace time. Incidentally, the news that **G2ZO** has been nominated for the 1943 Council will be read with much pleasure by his wide circle of friends.

● F./O. G. Neville, **G3WN**, now in **VU** asks that his 73 be passed on to all old friends. He seeks news of E. Charles, **G3YC**, **G3UY**, who sends the above information, confirms that **Ft./Lt. T. Roden White, G8TX**, has been reported missing since the fall of Singapore, but there is reason to hope that he may be safe.

● P./O. Tom Wimbush, **G6HP**, ex **SU2TW**, now in Vancouver, B.C., was granted his commission in June. He is at an O.T.U. where **Ft./Lt. B. Herbert, G2WI**, is H.Q.S.O.

● L.A.C. Johnson, **G3KB**, now serving with the R.A.F. in the M.E. wishes to be remembered to old friends. Geoff Hutson, **G6GH**, is his W.O.

● Sgt. J. C. Warren, **3583**, now at Drigh Road, Karachi, India, wishes to be remembered to all old friends in the Watford area. The specific call signs mentioned in his letter were deleted by the censor.

● We understand that J. D. Gillies, **2FZT**, has had the unique experience of being on a ship which rammed a U boat. He later picked up pieces of the sub. from the ship's keel, when in dry dock. **2FZT**'s keenness can be judged from the fact that his ship is now wired for broadcast relay. He recently used a crystal set on the main aerial when all other receivers were u.s.

● C.P.O. Tel. L. A. Deadman, **ZBIX**, would be glad to meet any member passing through H.M.S. "Valkyrie."

● A.C.I. N. D. Glass, **2FRM**, appended to his application for membership, a list of amateurs who are stationed with him in the M.E.; they include **G3HG**, **HJ**, **TA** and **2DTQ**. He also mentioned that **2FRM** is in S. Rhodesia and **2APP** in Canada.

● As a result of suggestions made during **G6CL**'s recent visit to No.1 S.S. meetings are now held on the first Monday evening in each month in Hut 165 (W.O.M.'s School). **Cpl. A. Cole, 2HJN** and **Cpl. H. S. Chadwick, G8ON** (both of whom can be contacted via the Corporals Club, No.1 S.S.), are in charge of the arrangements. For report of October Meeting see page 64.

● Mr. Stewart Clacy, **G6CY** (acting T.R. for Brighton and Hove), reports that **W. O. Barnard, G8AC** (ex **C.W.K.**), has been in Malta for some considerable time doing much useful work for the R.A.F. **C. S. M. Hill, G2RU**, is now overseas, but his destination is unknown. **L.A.C. Lunson, G3WR**, should by now have qualified for his wings. He has been in **VE** for the past few months. When last heard of **L.A.C. Price, G8OQ**, was in the M.E. and **L.A.C. Chick, G3JF**, was with the West African Force surrounded by black damsels! **Cpl. Gurd, 4835**, is imparting "gen" to the rising generation at an R.A.F. School "up north." (Thanks **G6CY** for the news. Other T.R.'s please note.—Ed.)

● Welcomed at the recent Brains Trust meeting were **Capt. Stanley Higson, GW2PH** (ex **G2RV**), R. Sigs. home from the Gold Coast, and **Lt. K. Ellis, SU5KW** (ex **G5KW**), R. Sigs., on leave from Egypt. Letters for both can be sent via H.Q. Also just home from the M.E. is **Cpl. Don Duthie, GM6IW**.

● Radio Officer A. D. Parry, **G5XP**, after an adventurous time at sea is now home as the result of an accident on board ship. He wishes to be remembered to all old friends and would appreciate letters, which should be addressed to 15 Sandon Road, Walton, Liverpool, 9.

● Old friends of our former Experimental Section Manager, **Sq./Ldr. Cecil Page, G6PA**, will be interested to hear that he is now proceeding overseas.

● News is to hand that **Kjeld Kjeldseth, LA7S**, of Grefsen, Norway, has reached Great Britain, as has also **Tycho Moe**, another member of **N.R.R.L.** Both are serving with the Norwegian Free Forces.

● **Ft./Sgt. Maurice Owen, 4353**, in his "annual report" from West Drayton to H.Q., advises that **W.O. Bob Bramwell, G2RF**, has just left for an unknown destination overseas. He seeks news of **Ft./Lt. Peter Mortimore, G8KI**.

● Friends of **Ft./Lt. Tony Chapman, G2IC**, will be interested to hear that he is now serving in India after a spell of duty in Egypt and Burma. His address can be obtained from H.Q.

● **A.C.I. E. Allen, BRSS167**, who is attached to a Divisional R.M. Coy. in South East London, recently passed out as a Radio Mech. at No.2 R.M.S. He spends most of his spare time searching for amateurs and "hotting up" his receiver.

● We learn from **Arthur Holden**, that **Dorothy Hall, W2IXY**, well known before the war for her efficient telephony transmissions, is giving code instruction at New York University. She recently entertained **G6DD** and the son of **G2UT**—both naval officers.

● A little bird whispers that a well-known member of the late "ZQ" party, **P./O. Joe Rockall, M.B.E., G2ZV**, is now "in partnership" with that other pre-war V.H.F. enthusiast **Ft./Lt. Jerry Walker, G5JU**. The R.A.F. will have to watch points, now that such a formidable combination is in action!

● **Sgt. A. M. Boyce, 2CMR**, now at No. 6 S.S. in company with **G2OA**, **2XU**, **5ND** and others, would like to hear from **Sgt. Brian Bowker** and **Sgt. H. T. Morris**, late of **S.44**, No. 3 S.S.

● From "Early Bird" **Sgt. Ernie Dolman, 2DCG**, we learn that **C.Q.M.S. Harry Caunce, G6KS**, is now serving in the Falkland Isles where he has met the two resident hams **VP8A** and **VP8B**, and also an amateur in the R.N. W./T. station—believed to be **G6BJ**. **Ernie**, who expects to go overseas again shortly, would like to hear from **Bill Hamer, G3WT** and other old friends. Letters via 5 Tollerton Road, West Derby, Liverpool, 12, please.

● District 16 members will like to know that **Sgt. Ernie Baker, G5OQ**, of Tunbridge Wells, is now an instructor in blind landing approach systems at an R.A.F. Air School, near Bloemfontein, South Africa. He has **G6JA** as a ham companion, and judging by the ambitious programme being planned, they will have super stations after the war. **Ernie** listed no less than 15 items which are scheduled to become part of the new **G5OQ**. He seeks news of his old room mate **Dave Mayes, GM6SJ**, last heard of in a convoy proceeding to Singapore.

● Airgraphs are to hand from **F./Lt. Newson, G3GV**, **C.Q.M.S. Tom Arnold, VU2AN**, and **Pte. R. M. Jeremy, 2CMJ**. All three report fit and well and wish to be remembered to old friends. Tom has recently changed his address.

● **Cpl. R. Cretney, 2BKO**, who is now with the West African Forces would like to hear from **J. D. Morris, 2DRR**, and **D. Alimundo, G4HK**, via his home address.

## Congrats.

● To **John Hankinson, G2JK**, on his promotion to Wing Commander. We wonder if he remembers a certain game of "Volunteer" at No. 2 S.S. way back in the summer of 1940!

● To **Sergeant and Mrs. A. M. Boyce, 2CMR**, on the safe arrival of **Master Barry Kenneth** on September 15.

● To **Lt. W. H. Windle, G8VG**, R. Sigs., on his promotion to commissioned rank. **Bill**, who is still at "The Country Farmyard," seeks news of **Frank Lucie, G8NA** (Farnborough, Kent).

● To **Sig. B. W. W. Oliver, R. Sigs., G3XT**, on his marriage to **Miss Margaret Anne Freeman**, of the A.T.S. The wedding took place at **St. Andrew's Church, Saxmundham, Suffolk**, on September 26, 1942.

● To **F./O. and Mrs. P. R. Solder, G5FA**, on the safe arrival of a Junior Operator on October 1, 1942. **Mr. Solder** is District 12 Scribe.

## 73.

**G3KB** (R.A.F. Egypt), to **GM3ZH**, **5VC**, **SUO**, **2BHU**, **VE3AHV**, **3AHX**.

**G3TA** (R.A.F., M.E.F.), to **G2DL**, **JB**, **WV**, **3AD** and **6LR**.

**G3UY** (Guildford), to **G3XN**, **ZI**, **6ZI**, **8QH**, **G15OY**, and **SPA**.

**G4LZ** (31 Kenneth Road, Brislington, Bristol), to **G2IK**, **4JS**, **5KT**, **6KS**, **G13KN**, **5HN**, **6TK**, and all at **G16YM**.

**2AMY** (R. Sigs.), to **GW2GV**, **G5BJ**, **8RF**, and **8VK**.

**2BOU** (R.A.F.), to **GW3CR**, **3QB**, **3WB**, and old friends of **Tonyrefill A.R.S.**

**2CGN** (R.A.F.), to **G3HS**, **JO**, **5BM**, **8BQ**, **DA**, **PB**, **PX**, **VP**, **2BBI**, and **3825**.

**3789** (R.A.F.), to **G2LT**, **NS**, **4IJ**, **MY**, **8IO**, **2HNO**.

**BR54088** (R.A.F.), to **G3CI**, **4090**, **3788**, and **Lossiemouth** members.

**SU5KW** (ex **G5KW**) to **G2MI**, **NV**, **3TA**, **8KW**, **SB**, **SU18G**, and all the **SU "Gang."**

## ARE YOU AT No.1 S.S. or No.1 R.S.?

If so, you are cordially invited to attend a  
HAM GATHERING  
in Hut 165 (No. 1 S.S.) at 7 p.m.

On MONDAY, NOVEMBER 2nd

## MEMBERS ON ACTIVE SERVICE

## Thirty-Seventh List

WE publish below our thirty-seventh list of members on Active Service. Additional details and corrections should be advised to Headquarters as early as possible. The present list contains information received up to September 30, 1942.

Rank and Name	Regiment or Branch of Service	Pre-war Call or B.R.S.
Cpl. W. Adams .. ..	R.A.F. ..	5418
Sig. E. Amridding .. ..	R. Sigs. ..	G3PJ
A.C.2 C. W. Ashton .. ..	R.A.F. ..	5474
L./Sgt. R. C. Barclay .. ..	R.E.M.E. ..	5501
A.C.2 R. W. Beardmore .. ..	R.A.F. ..	5436
L./Cpl. J. W. Belcher .. ..	R. Sigs. ..	5528
Sgt. R. H. Berwick .. ..	R.A.F. ..	5440
A.C.1 R. L. F. Bewley .. ..	" ..	5462
Radio Mech. W. L. Bicknell .. ..	R.A.O.C. ..	5449
L.A.C. C. Birtles .. ..	R.A.F. ..	5454
Sig. J. F. G. Bowers .. ..	R. Sigs. ..	G4NY
Sig. J. H. Brooks .. ..	" ..	5424
A.C.2 D. D. Brotherick .. ..	R.A.F. ..	5446
Lt. B. L. Browne .. ..	R.A. ..	5443
L./Cpl. K. F. Buckingham .. ..	R.E.M.E. ..	5509
L./Cpl. H. E. Bull .. ..	South Lanes. ..	5510
C.Q.M.S. W. A. Chittleburgh .. ..	R. Sigs. ..	G6ID
F./Lt. M. E. Claxton .. ..	R.A.F. ..	5491
Capt. P. M. Clifford .. ..	R.A. ..	5473
F./Lt. S. R. Cooke .. ..	R.A.F. ..	2CTC
A.C.1 P. B. Crosse .. ..	" ..	5519
A.C.1 A. H. Dell .. ..	" ..	5525
Sig. G. D. Dixon .. ..	R. Sigs. ..	2DQL
Cpl. E. G. Dyer .. ..	" ..	G4IJ
Lt. K. E. S. Ellis .. ..	" ..	SU5KW/ G5KW
L.A.C. W. G. Endersbee .. ..	R.A.F. ..	5451
A.C.1 L. Fraser .. ..	" ..	5439
2nd/Lt. A. Frogley .. ..	Rec'ce Rgt. ..	5495
Cpl. R. L. Gurd .. ..	R.A.F. ..	4835
Tel. J. P. Hagerty .. ..	R.N. Subs. ..	5505
F./Lt. G. H. Hands .. ..	R.A.F. ..	5489
L.A.C. A. N. R. Harris .. ..	" ..	5448
Sgt. J. C. Hatfield .. ..	R.A.O.C. ..	5493
A.C.2 J. Hawthorthwaite .. ..	R.A.F. ..	4274
C.S.M. A. G. Hill .. ..	R. Sigs. ..	G2RU
Cpl. T. Holding .. ..	R.A.F. ..	5433
Sgt. W. W. S. Hubbard .. ..	" ..	5461
A.C.1 S. A. Jackson .. ..	" ..	5438
2nd/Lt. A. E. H. Kilner .. ..	R. Sigs. ..	4975
Capt. A. K. Knowles .. ..	" ..	5457
L./Tel. H. Langford .. ..	R.N. ..	2ARY
Sig. A. Langley .. ..	R. Sigs. ..	5512
Sig. J. Lees .. ..	" ..	G2IO
Sgt. G. R. Love .. ..	R.A.F. ..	5496
L.A.C. R. E. Maddison .. ..	" ..	4441
Cpl. S. D. Marlow .. ..	" ..	5471
L.A.C. N. D. Mason .. ..	" ..	5464
L.A.C. R. C. W. Mayley .. ..	" ..	5472
Cpl. V. G. Mills .. ..	R.A.O.C. ..	5453
A.C.2 J. S. Mills .. ..	R.A.F. ..	5502
Ldg. Radio Mech. J. MacPherson .. ..	R.N. ..	GM3XO
A.C.1 J. H. Paterson .. ..	R.A.F. ..	5526
Ldg. Radio Mech. H. W. Penny .. ..	F.A.A. ..	5517
A.C.2 T. W. Pollard .. ..	R.A.F. ..	4309
L./Sgt. E. A. Pond .. ..	R.A. ..	5534
Sgt. D. H. Poupard .. ..	" ..	5456
L.A.C. W. P. D. Price .. ..	R.A.F. ..	3851
Cpl. N. A. Priest .. ..	R.A.O.C. ..	5524
F./Lt. G. E. Prosser .. ..	R.A.A.F. ..	BERS504
Sig. A. J. Quinell .. ..	R. Sigs. ..	4486
Cpl. J. E. Randolph .. ..	R.A.F. ..	5440
A.C.2 A. Rintoul .. ..	R. Sigs. ..	5523
Ldg. Radio Mech. C. Roberts .. ..	R.N. ..	2FSK
Sgt. E. A. Robinson .. ..	R.A.F. ..	5463
Cpl. R. Rooney .. ..	" ..	5460
Cpl. F. E. Rose .. ..	" ..	2FHV
Cpl. E. W. Sackett .. ..	" ..	5442
Cpl. N. Saywell .. ..	R.A.O.C. ..	5455
Sig. O. E. R. B. Smethurst .. ..	R. Sigs. ..	4790
P./O. E. R. B. Smethurst .. ..	R.A.F. ..	5483
Cpl. C. Smith .. ..	" ..	5425
L.A.C. M. F. Smith .. ..	" ..	5435
Cpl. F. W. Swallow .. ..	" ..	5437
Sig. A. Taylor .. ..	R. Sigs. ..	G8TZ
Cpl. G. Taylor .. ..	R.A.F. ..	5480
Marine G. A. Thomas .. ..	R. Marines ..	5417
F./Lt. R. Thorp .. ..	R.A.F. ..	3853
A.C.1 A. R. Truman .. ..	R.N.Z.A.F. ..	BERS501
Sgt. V. Valchera .. ..	R.A.F. ..	5432
L.A.C. W. R. Walker .. ..	" ..	5434
Sig. N. Wears .. ..	R. Sigs. ..	4429

Rank and Name	Regiment or Branch of Service	Pre-war Call or B.R.S.
Sgt. E. V. Weatherley .. ..	R.A.F. ..	5475
A.C.1 F. D. Webb .. ..	" ..	2HBC
Cpl. D. E. Weeks .. ..	R.C.A.F. ..	BERS502
Tpr. K. A. Wheeler .. ..	R. Tank Regt. ..	5421
Sgt. K. B. Whittaker .. ..	R.A.F. ..	2FXL
Cpl. F. S. R. Williams .. ..	" ..	5497
Sgt. J. Williams .. ..	" ..	2879
L./Sgt. D. W. R. Withyman .. ..	R.A.O.C. ..	5465
Sgt. J. C. Wood .. ..	R.A.F. ..	5420

## CORRECTIONS.

Sig. G. Openshaw's call is 2BTO not 2BYO as given in List 36. 2nd/Lt. J. B. Wilson is BRS5422 not 2AOW as stated in List 36.

## Prisoners of War Fund

THREE MORE GENEROUS OFFERS — Mr. R. D. MacKenzie, G8SX, of Gt. Crosby, Liverpool, has donated to the Society, four bound volumes, in brand new condition, of *Nerves Complete Wireless*, which will be sold to the member making the highest bid.

Mr. Arthur Watts, G6UN, has donated 24 recent issues of *QST*, which will be sold to the highest bidder.

Mr. Frank Forbes, 2BFC, of East Grinstead, has donated a collection of "Electronic Engineering" data sheets (Nos. 1 to 28), which will be sold to the highest bidder.

Proceeds from the sale of these offers will be put to the credit of the P.O.W. Fund. Bids should reach the General Secretary not later than October 31, 1942.

BACK BULLETINS.—The historical collection of back issues of THE T. & R. BULLETIN (referred to previously), covering the period August, 1928-June, 1936 (ten issues missing), are still for disposal. Offers should be addressed to the General Secretary.

PARCELS.—Parcels to an average value of £1 each were despatched last month to the 19 members known to be prisoners of war.

The following is a copy of a letter received by Mr. Edwards from the British Red Cross Society:—

"We have to-day received three parcels of second-hand books which you wish despatched to Prisoners of War. You will remember that some time ago we told you we should be willing to do this work on your behalf, but since this arrangement was made conditions have changed very rapidly owing to the large increase in the number of Prisoners, and shortage of staff.

We have had, much to our regret, to refuse such requests. All parcels are addressed to the Camp-Leaders and are intended for the general benefit of the Camp as a whole.

We hope very much that you will understand our position and the great difficulties under which we are working.

Second-hand books may only be sent to Camps in Germany as they have been banned by the Italian authorities. The parcels you have sent us to be forwarded will be despatched to the address you request, and the second-hand ones for Italy replaced with new ones."

In view of the difficulty which has arisen, no more books should be sent to Mr. Edwards until further notice. Meanwhile, he records his thanks to Miss Corry, G2YL, Mr. H. J. Sherry, G6JK, Mr. G. Shackle, 2DVQ and Mr. W. D. Clague, 2BSA, who kindly answered his recent appeal for books dealing with photography. These books were despatched to Mr. Campbell, VK3MR, but as he is a P.O.W. in Italy, it is assumed that they have been substituted for new copies. Thanks are also recorded to Miss A. M. Gadsen and several members who have donated light reading.

OFFLAG VI B.—Official information has been received by the War Office that Prison Camp Offlag VI B has been dissolved, and the prisoners transferred to new camps—413 prisoners, all R.A.F., have been moved to Offlag XXI B, and the balance (1860), to Offlag VII B, Bavaria. Parcels for members who were in Offlag VI B will be held up until their new addresses are to hand.

DONATIONS.—The General Secretary acknowledges with thanks, on behalf of Council, receipt of donations from:—G. Woollatt, G3ZI, £3 3s.; I. I. Boswell, 3470, £1 2s.; E. S. Elliott, 3341 (ex G5LT), 10s.; Mrs. N. and Mr. L. H. C., 4s. 6d.; W. D. Gilmour, G2VB, 5s.; C. L. Harrison, G3YU, £1; D. T. Blunden, G8IN, 5s.; H. Brabrook, G5ZD, £1 1s.; Plymouth BBC Sports Club, £1; R. B. Holman, 2DYM, £1; L. Heys, 3246, £2 2s.; R. Barnes, G6DS, 13s.; District 7 (Croydon), per G2DP, 13s.; District 1 P.D.M. Chester, £5 5s.; H. J. Carter, G3AL, 10s.; W. P. Mitchell, G2TM, 5s.; J. Harris, 2FPY, 10s.; I. N. Davies, BERS468, 7s. 6d.; J. St. C. Ruddock, G1TS, 7s. 6d.; G. A. Chapman, G2IC, £2 2s.; E. Williams, G2HI, £2 2s.; District 12 Meeting, £1 1s.; W. T. Larbey, 2DWW, 14s.; District 15 Junk Sale, 6s.; District 13 per G3ST, 12s. 6d.; Belfast Y.M.C.A. Radio Club (per G16TK), £1 3s.; District 15 (High Wycombe), per G6WN, £1 7s. 6d.; District 5 (Bristol), per G6RB, £2 12s. 6d.; A. M. Boyce, 2CMR, 5s.; Anon, £1 0s. 11d. Receipts to date, £451 13s. 4d. Expenditure to date, £162 15s. 4d. Balance in hand as at September 30, 1942, £288 18s. 0d.

## Congrats

● To Council member George Jessup, G4HG, on his engagement to Miss D. A. Usher. Both hail from Maidstone, Kent.



## News from the "Kriegies"

The following is an extract from a letter recently received by G8TL from Sig. Garratt, G3bP, who is a P.O.W. in Italy:—

"I am writing to tell you how much I appreciate the way in which you and the Society have shown your remembrance of your fellow 'hams.' Ever since we were captured our main pleasures have been smoking and reading—for a long time we were deprived of both. Then your parcels began to arrive, which cheered us up enormously. Up to the time of writing I have received from you four parcels of cigarettes and three of books. Will you please thank on my behalf all members of the Society who have so kindly contributed to the P.O.W. Fund."

## Air Ace Royce Wilkinson, G4HW again Honoured

The recent public announcement that Sq./Ldr. Royce Clifford Wilkinson D.F.M. and bar, had been appointed to command the top-scoring squadron of Fighter Command, will have been read with pleasure by his many amateur friends.

Joining the R.A.F. as an apprentice 12 years ago Royce made R.A.F. history last year when he "jumped" from Flight Sergeant to Flight Lieutenant overnight. It was in recognition of his brilliant achievements in France and during the Battle of Britain (when he was the only N.C.O. to lead a squadron), that he was awarded his D.F.M. This honour was followed later by the award of a bar to the medal, by which time his personal bag had risen to nine "kills" and many "probables".

Since being granted his commission he has served as a Flight Commander to two of the American Eagle Squadrons and it was whilst fulfilling these duties that he was shot down over enemy territory. The good news of his escape was published in our July issue.

In offering him our heartiest congrats we also extend our best wishes for continued success with the "button".

*Tail Piece.*—His squadron has more than 230 "kills" to its credit!

## Instructor Wanted

East Finchley (London) Squadron, A.T.C., are in urgent need of a qualified Morse instructor. Any member in a position to assist is requested to communicate with Headquarters.

Mr. W. Haley, 5236, 43 Hyde Terrace, Gosforth, Newcastle on Tyne, 6, would like to hear from U.S. amateurs now in Great Britain, particularly those hailing from Cleveland, Ohio, and Boston, Mass. Mr. Haley lived in both towns for some years.

## Any News?

- Ft./Sgt. J. D. Cameron, GM8CN, was reported missing four months ago after his 35th operational flight over Germany. Has any member heard his name mentioned in foreign broadcasts?
- *Bulletins* addressed to Mr. P. D. Waluscott, BR5259, c/o Imperial Bank, Bombay, have been returned.

## Letter to The Editor

### Ham Hospitality

DEAR SIR,—Often in the past I have read of the hospitality received by members visiting radio clubs away from home, but have not until recently had the opportunity of testing it for myself. However, having just returned home after four and a half months in Northern Ireland, when each Wednesday night I visited the N.I. Y.M.C.A. Radio Club (G16YM), I can endorse all that has been said about ham hospitality.

Bob Holden, G15HU, the genial Secretary, runs things as they should be run, sometimes arriving in full regalia, armed with a "gat." His visitors' book will make a DX hound's eyes water after this war, and his collection of cards will paper the walls of 6YM several times. His offer to shuffle his family to give me accommodation, when I was "stuck for digs," was sincerely appreciated.

Frank Robb, G16TK, the Treasurer, has a winning smile which is the headlight of a real ham. Looking after the P.O.W. fund, club subscriptions, and new R.S.G.B. memberships, etc., keeps him busy, but he can still spin a good few yarns.

Another attraction peculiar to G16YM, is "Pop," or in other words, "Rectifier of the Pink." In case this reads like "information to the enemy" I had better explain that Pop is the Club's private reporter, who contributes a weekly column of radio notes in *Belfast Saturday Night*, or as it is known locally *The Pink*. I am told there was some local QRM at G16YM when the Club Notes were printed under the heading of "Fishing Notes" by mistake. A good sport though, is Pop, and one who, given time and a sufficient quantity of old envelopes, will record all your successes in shorthand and present you at your next meeting with all the facts in order (much to your amazement, after seeing his "notepaper"). On my last visit he was rather snowed under by W's of all States, including Frank C. Eckert, W6OYD, of California. Frank, when pressed, had to admit he had had seven call signs in all, had kept a long schedule with a South Polar Expedition, and had contacted the Graf Zeppelin over New York, but all this did not seem to rank quite as high with Pop as would just one contact with GI.

Probably by this time Pop will have learned how to interpret "I wouldn't know," coming from an American, when asked "What he is doing over here." Judging from his expression when he heard it first, he was convinced all Americans were "nuts".

Amongst the visiting hams, the homely dialect of Ken Winsor, G2FS, of Hull, was "stickin' out" as they say in Ireland. He was obviously quite at home, having been a temporary resident in GI for some time. If the present influx of W's continues, the 'phone from GI will have a pronounced American flavour when we start up again.

All G's visiting GI would be well advised to call in at G16YM to meet the folks there. They are full of the ham spirit, and make one feel really welcome. The TX cupboard is of course bare, and the table with many drill holes, is no longer used as a workbench, but a couple of hours with the boys helps to remind one of the good times we had, and hope to have again. A warning though to visitors, when leaving the street to make the "ascent" to 6YM—don't rush it! Otherwise, after negotiating the heights it won't be a case of "you won't talk," you just can't. Whether or not 6YM "wanted to be alone," I don't know, but it certainly is a climb. There is, of course, a lift, but if after sending "Test" "CQ" and the alphabet twice, on the push button on the wall, the lift does not appear, then you can rest assured that some fella has left the gates open up top, and you can begin your climb.

It may be some time before I can renew my acquaintance with the GI boys, so until then I send them 73.

KEN MILLER (G6QE).

## Silent Keys

It is with deep regret we announce that the following members have been killed on Active Service:

Pilot Officer N. K. Adams, R.A.F., G5NM, of North Finchley, London, on August 22, 1942.

Sergeant G. F. Bonner, R.A.F., BR54259, of Slough, Bucks, in June, 1942.

Corporal C. H. Odle, R.A.F., 2BAJ, of Leigh on Sea, Essex, on August 4, 1942.

Lieutenant S. H. Tetlow, R.N.V.R. (F.A.A.), BR5057, of Kenton, Middlesex, on August 20, 1942.

## A Tribute to

### Pilot Officer Norman Keith Adams, G5NM

Keith Adams, G5NM, of North Finchley, London, whose death on active service occurred on August 22, 1942, was educated as a classical scholar at Highgate School. By profession he was a solicitor, having passed his final Law examinations at the early age of 22.

In company with his great friend Leslie Viney, G2VD, he joined the R.A.F.V.R. prior to the outbreak of war, and saw service in France up to the evacuation. After a spell of special duty in England he left for Gibraltar where he became closely associated with the Gibraltar Amateur Radio Society in which organisation he served as Hon. Secretary-Treasurer until a few days before his death.

Whilst in Gibraltar he was granted a commission in the R.A.F.V.R., a fitting tribute to the excellent work he had performed as an N.C.O.

Keith Adams had been a member of the Society since 1933 and had held a full call for about six years. He regularly attended pre-war meetings in North London and was always to the forefront during N.F.D. and other field day events. He was also a keen participant in B.E.R.U. Contests. His amateur interests were legion.

It was because of his specialised knowledge, coupled with his intense enthusiasm for radio, that he was selected to undertake the work which ultimately led to his death in a flying boat disaster in the Mediterranean.

In mourning his passing we salute the memory of one who, by his example, had demonstrated the true meaning of Ham Spirit.

To his parents, relatives, and intimate friends we extend our deepest sympathies.

J. C.

It is with regret that we record the names of the following members who have been reported missing—presumed killed on active service:

Leading Telegraphist H. V. Prince, M.B.E., R.N.V.R., G30F, of Halifax, Yorkshire, missing since March 7, 1942.

Flight Sergeant J. D. Cameron, R.A.F., GM8CN, of Edinburgh, missing since May, 1942.

Signalman S. H. G. Weeden, Royal Signals, BR3812, of Brixton, London, missing since February 14, 1942.

Sergeant Kenneth Hallstone, R.A.F., BR54705, of Manchester, missing since April, 1942.

The following members have been reported missing:

Lieutenant Colonel T. C. Whitmer, G8CJ, of Pontefract, Yorkshire, since the capitulation of Singapore.

Private A. Wales, R.A.S.C., BR3644, of Kirkcaldy, Fifeshire, since February 15, 1942.

Sergeant P. Tofel (Czech Squadron R.A.F.), OK5PT.

## BRITISH ISLES NOTES AND NEWS

## DISTRICT 1 (North Western)

D.R.: H. W. Stacey (G6CX), "Sandlees," Eddisbury Road, West Kirby, Cheshire. Hoylake 337.

Ashton-under-Lyne.—At the recent A.G.M. of the local radio society the following officials were elected: President, 4609, Secretary, 2FOS, Treasurer, 2HAP. A resolution of appreciation of the past work of the retiring officials (G3BY, 3PM, 5PX, BRS4681 and 4567) was recorded.

At a later meeting 4567 gave an interesting talk on V.H.F., demonstrating his Split-Colpitts receiver. A D.C.-A.C. converter has now been installed and is proving very useful. 4819 (R.A.O.C.) of Leeds, is now a regular visitor. A welcome is extended to all amateurs in the Services stationed in the district. Meetings are held every Wednesday evening at 7.30 p.m. at the Beaconsfield Club, Stalybridge Road, Ashton-under-Lyne. G3PM when on an A.T.C. Course at No. 10 I.T.W. met 5MV.

Serving members are again requested to contact the T.R. (G5PX) with any news. (Via G5PX).

Bolton.—The usual monthly rag-chew was held at 2DVQ on September 6. Five members were present, including 2ABT, home on a week's leave and 5359, the latest local recruit. The next meeting will be on November 1, at 2.30 p.m. at 32 Bromwich Street, Bolton. Service members will be cordially welcome.

2BDA has recently been commissioned to the R.A.F.V.R. (Training Branch) and is instructing a squadron of the local A.T.C. Another cheery letter has been received from 2BTO reporting "all quiet on the farmyard front." (Via 2DVQ.)

The D.R. would like to thank all those who gave their support to the P.D.M. Remarks since passed indicate that the meeting was regarded as a very pleasant and successful affair. The attendance, although not large by pre-war standards, was extremely good under existing conditions and it was very gratifying to find so many stout lads present to help keep the spirit of amateur radio alive. G6CX.

## DISTRICT 3 (West Midlands)

D.R.: V. M. Desmond (G5VM), The Chestnuts, Hanley Castle, Worra. Hanley Swan 41. Scribe: E. J. Wilson (2FDR), 48 Westbourne Road, Olton, Birmingham, 27.

Birmingham.—The Annual General Meeting of M.A.R.S. was held on Sunday, September 13, at the "Hope and Anchor" Hotel when the following officers were re-elected: President, E. C. Naylor Strong, F.R.C.S.; Secretary, E. J. Wilson; Treasurer, H. M. Hart. The committee: Messrs. W. H. Follis, E. Watson, B. George, C. Young and W. Vincent were also re-elected en bloc. Mr. D. Asher was elected to the committee in place of Signalman A. Collins now on active service. Ten members were present.

It is learned that the Hon. Secretary of M.A.R.S., A.C.1 F.E. Barlow, is still in Malta. Signalman Lacey, 2AMY, stationed at Pickering, Yorkshire, would like to contact other amateurs.

(Is there no other activity in District 3? Come on, you Service members in Wolverhampton, Dudley and Coventry.—Ed.) 2FDR.

## DISTRICT 4 (East Midlands)

Deputy D.R.: W. M. Vandy (G6VD), 9 Cecilia Road, Clarendon Park, Leicester.

With the exception of a letter from G8HX, the only notes received this month come from Nottingham. SHX, who is still stationed near the East Coast, appears to be doing some very good work in finding new recruits for R.S.G.B. from his squadron.

Nottingham.—The next meeting will take place at the home of BRS5406, 3 Laburnum Grove, Beeston (Nr. L.M.S. Station) on October 25 at 6 p.m.

News is to hand from G4AH (M.E.F.) who reports meeting 4LY and 2CIB. He sends 73 to all Nottinghams and friends.

Most members are building new receivers or pieces of useful test gear, and there is no doubt that Nottingham is keeping well abreast of the times in spite of difficult days. (Leicester and Derby, please note!) G6VD.

## DISTRICT 5 (Western)

D.R.: R. A. Bartlett (G6RB), 31, King's Drive, Bishopston, Bristol. Bristol 4696.

Cheltenham.—The D.R. has been glad to receive news from this area and to know that there is still some activity. G5BM, now in R. Sigs., has just been presented with a "junior op." 8ML and 2FMT are also in Sigs., all three being in the same camp. 8DT and 5BK are experimenting successfully with V.H.F. receivers. 8LB is very busy. Local members hear regularly from 8DA in Egypt. Meetings are held whenever anyone is home on leave. Dates of these meetings can be obtained from G8DT, 10 Wincombe Street, Cheltenham. Overseas and British amateurs very welcome.

Bristol.—The local monthly meeting was attended by the usual few enthusiasts who keep the flag flying. A junk sale realised £2 12s. 6d. for the P.O.W. Fund. G6RB.

## DISTRICT 7 (Southern)

D.R.: W. E. Russell (G5WP), "Milestones," Mayford, Woking, Surrey. Woking 1589.

Bournemouth.—3789 reports fit and well after his first hectic month in the R.A.F. 4KV has been home on leave. 5CM, of Guildford, when on holiday, visited 4MY; the latter has been holiday-making himself in the Croydon area. 5PB is now on full-time A.R.P. work. (Via 2HNO.)

Coulsdon.—2ANR, writing from Malta—Island of "Bombs and Blitzes," reports that Sgt. G. E. Perrett, 3898, is his N.C.O. 1/c; he also mentions that a number of "hams" remain on the island. 2KU has moved from his rendezvous on the South Coast and is now working somewhere in this District. (Via BRS3003.)

Croydon.—The September meeting, held at G2DP, brought together 2FH, 2FI, 2VB, 3ST, 4NI, 5BT, 5PY, 6RF, 2ASD, 2FWA, 2HHD, 1545, 3003, 4165, 4324, 4584, 4641, 4814, 5317—an attendance of 20.

A letter from 4150 indicates that he is enjoying himself with radio in the army. 4314 has been on fourteen days' leave. 5BT is building a multi-vibrator while his new super is beginning to "single-signal" without a crystal. 2FWA is building again. 4MY and YF of Bournemouth, paid a visit to 2DP while on holiday. (See "Forthcoming Events" for the November Meeting.) (Via 2DP.)

Guildford.—The second "Brain's Trust" at the I.E.E. was enjoyed by quite a number of members who previously met at the Guildford monthly meetings. 5YA has been posted again, not quite so near home this time, unfortunately. G5WP.

## DISTRICT 8 (Home Counties)

Deputy D.R.: L. W. Jones (G5JO), 16 Leys Road, Cambridge. Tel.: Cambridge 3406.

In taking office as Deputy D.R. the writer would like to assure all members that he will endeavour to render as much service as the limited amount of time at his disposal permits. He would stress, however, that the co-operation of all District members is essential if the job is to be undertaken successfully. To this end an appeal is made for a regular monthly letter from all who are resident, permanently or temporarily, in the District. At present the Deputy D.R. has knowledge of only six members, hence the above request. Those known to him are 2XV, who occasionally finds time to listen to s.w. broadcasts and adjusts aerials accordingly, 5BQ our late D.R., 5OV who has received some good news from XZ2DY, 5065 who is stationed in the District, and is seeking out members with a view to encouraging them to report, 5DQ and 8FF who were recently home on leave.

From 5OV we learn that XZ2DY, after escaping safely from Burma, is now a Captain in the Indian Army (Signals Branch). We wish him the best of luck. G8FF was looking very fit when he called on 5JO, 5DQ telephoned to report all well.

It has been suggested on several occasions that a District gathering be arranged. The writer is prepared to make the necessary arrangements immediately he receives information from members to the effect that they will attend.

73 to everyone.

G5JO.

## DISTRICT 9 (East Anglia)

D.R.: H. W. Sadler (G2XS), The Warren Farm, South Wootton, Kings Lynn, Norfolk. Castle Rising 233.

We are glad to welcome two new members this month, Lt. G. W. D. Spurrell, of Sheringham, and Mr. G. H. Ewer, of Dersingham. Other news—nil. G2XS.

## SOMETHING NOVEL

## SOMETHING NEW

T. R. Theakston, B.Sc. (2DBK)

will present

## RADIO MATHS.

IN A NEW AND NOVEL FORM

at the meeting to be held on

SATURDAY, OCTOBER 31st, 1942

at

The Institution of Electrical Engineers

SAVOY PLACE, VICTORIA EMBANKMENT

LONDON

COMMENCING AT 2.30 P.M.

Bring your note books and your problems!



**DISTRICT 11 (North Wales)**

Deputy D.R.: C. Spillane (BRS1060), "Woodside," Meliden Road, Prestatyn.

For the first time in many months no meeting was held in Prestatyn during September because members decided to support the P.D.M. at Chester on September 20 though it was not possible to make up a very large party. Seven members including G3IR, BR2731, 3044, 4762 and Mr. Elliott of Prestatyn and Mr. Coleman of Granat attended. The last two are welcomed to the District.

The next meeting will take place at "Vale View," Meliden Road, Prestatyn, on Sunday, October 25, at 3 p.m. when a Morse class, with BRS3044 as instructor, will be held for those who wish to brush up their code.

VE4YG, writing from a QRA in the Himalayas, asks to be remembered to all old friends in the district. 2HIY reports a personal QSO with G6NI whilst at No. 10 R.C. R.A.F. He will soon be leaving on a W./Ops. course. GW4CK is in Wiltshire on a beam approach course. 1060 contacted VE4AHH in a cafe at 14 R.C. R.A.F. and has visited G6BY. 1066 has been to Prestatyn to renew acquaintances. BRS1060.

**Forthcoming Events**

- Oct. 18 District 14, 3 p.m., at G8DG, 8 Bosgrove, The Ridgway, N. Chingford. (No. 38 bus.)
- Oct. 18 District 15 (High Wycombe section), 2.30 p.m., at G6JK, "Hartland," New Drive, Totteridge, High Wycombe. (Bus 363 from Frogmore to First Crescent.)
- Oct. 24 District 15, 6.30 p.m., at BRS4684, 17 Woodstock Avenue, Lady Margaret Road (Greenford end), Southall. Buses 55, 105, and 211, or trolley 607—long walk.)
- Oct. 25 District 5, 3 p.m., at 17 Colston Avenue, Centre, Bristol.
- Oct. 25 District 12, 3.30 p.m., at The Cock Inn, Cockfosters (terminus 29 bus route). Tea, 5 p.m. Inclusive charge, 2s. 6d. (See "District Notes" for details.)
- Oct. 25 District 13, 3 p.m., at G3ST, 62 Dumbarton Road, Brixton Hill. (New Park Road stop.)
- Oct. 25 Scottish "A" District, 3 p.m., Room 24, Royal Technical College, George Street, Glasgow. (Enter by Montrose Street.) Lecture by A. H. Mason, G6M6S, "Servicing Radio Receivers."
- Oct. 31 London Meeting, 2.30 p.m., at Institution of Electrical Engineers, F/Lt. T. R. Theakston, B.Sc. (2DBK) "A New Approach to Maths. for the Radio Amateur."
- Nov. 8 District 7 (Croydon area), 3 p.m., at G5BT, 31 Sefton Road, Addiscombe.

**DISTRICT 12 (London North and Herts)**

D.R.: S. Buckingham (G5QF), 41 Brunswick Park Road, New Southgate, N.11. Enterprise 3112. Scribe: P. R. Solder (G5FA), 35 Torrington Gardens, New Southgate, N.11. Enterprise 3447.

The Cock Inn, Cockfosters, famous Hertfordshire hostelry, is to be the venue for the next District Meeting to be held at 3.30 p.m. on Sunday, October 25. An excellent room will be available, and some novel attractions are promised. Tea will be served at 5 p.m. Inclusive charge, 2s. 6d. a head. It is hoped that on this occasion the ladies of the District will attend, to ensure that the meeting terminates at a reasonable hour! (Full moon, October 24. Bar opens 7 p.m.)

The Cock Inn is the terminus for the majority of 29 buses starting from Victoria. The South Mims and Potters Bar service passes within 100 yards. Members living near to stations on the Piccadilly line should book to Cockfosters.

To assist catering arrangements, members who propose attending are asked to notify the D.R. by telephone or postcard. It is hoped that St. Albans, Potters Bar, Barnet, Enfield, and other outlying areas will be well represented, whilst a cordial invitation is extended to Service members and other amateurs stationed in the London area, especially any from overseas.

If the meeting proves as successful as anticipated arrangements will be made to hold the first war-time London dinner at the same venue during December.

An attendance of 15 was recorded at the September meeting held at the home of Mr. H. A. M. Clark, G6OT (Southgate). Lieut. Heyerdahl, LA6A, was cordially welcomed. The thanks of those present are recorded to Mr. Clark and his family for providing a welcome cup of tea and biscuits. A collection made for the P.O.W. Fund produced the useful sum of £1 1s. In accordance with the wishes of the meeting a parcel is to be sent to one member who is held prisoner, bearing a card informing him that it was subscribed for by District 12. G5QF.

**DISTRICT 13 (London South)**

A.R.s.: L. H. Shersby (G2GZ), 41 Reverdy Road, S.E.1 (South Eastern); S. E. Langley (G3ST), 62 Dumbarton Road, S.W.2 (Central); E. H. Simmonds, (G8QH), 17 Roedean Crescent, Roehampton, S.W.15, Prospect 1990 (Western).

**South-Eastern and Central Areas.**—Fifteen members attended and enjoyed the September meeting held at the home of Mr. Heath, 2HHD. A feature of the meeting was a demonstration of our host's amplifier which now produces excellent quality and volume. Records of popular and "long hair" music were enjoyed by the company which included 4738, home on leave from GM. Mrs. Heath is thanked for providing refreshments.

At the next meeting, to be held on October 25 at G3ST (see "Forthcoming Events" for details), a junk sale will take place. Members are requested to support this event and to note that all unsold junk must be removed after the meeting!

G3CU is back in G after a DX tour. News of 6AN would be welcomed.

Members who propose competing for the "Ann" Cup should get busy, as the selection will be made by the judges at the December meeting.

**G2GZ and G3ST.**  
**South-Western Area.**—The Log is now functioning well, and the Scribe is grateful for co-operation by all parties. We are running a Quiz of our own about post-war licensing conditions and R.S.G.B. activities. SIL has acquired a new set of valves for his RME. Nice work! 5KH weighs in with a couple of technical benders which will exercise our brains for a bit. And we welcome an entry from the President, 6NF, who gives us authoritative news that ham achievements in the Services have "left an indelible impression on the mind of the authorities" which will not be forgotten in post-war negotiations. And 8QH reports hearing a contest on 7 Mc. the other Sunday. D's and HA's hard at it swapping numbers! The S.W. Area (home section) sends 73 to all S.W. Area members now in "furrin parts." G8QH.

**DISTRICT 14 (Eastern)**

D.R.: R. L. Varney (G5RV), 184 Galleywood Road, Chelmsford, Essex. Chelmsford 3394.

**Chelmsford.**—The September meeting was attended by G5HF, 5RV, 5RW, 6LB, 6ZC, 3650 and Mr. Smith, a new member. 5RW stayed with 5RV for a few days recently. The D.R. and 6LB are dabbling in the theory and practice of pre-selectors.

**Southend.**—G3OA breaks the "deathly silence" from his area! He reports hearing regularly from 3GW who is now in Canada with the R.A.F., and mentions that 4LV and 3085 are with the same Service in the M.E. All three are fit and well. 4LV has heard from 3MV, of Brentwood, who was for a time in SU.

The D.R., on behalf of all District 14 members sends hearty good wishes for Christmas and the New Year to all amateurs serving abroad. May they all be with us again by next Christmas. G5RV.

**DISTRICT 15 (London West, Middlesex and Buckinghamshire)**

D.R.: H. V. Wilkins (G6WN), 539 Oldfield Lane, Sudbury Hill, Greenford, Middlesex. Byron 3369.

Two very good meetings were held during September. At the first (the usual District meeting) our visitors included G5KT and 5249 in R.A.F. blue while G4KG and 5056 represented the Army. Others present were G6WN, 6XP, 2ADL, 2CLL, 4684, 4473 and 5027. We thank Mr. and Mrs. 6XP for their hospitality, especially appreciated in these days.

The High Wycombe meeting was the best held within the district for many months, no less than seventeen members and one prospective being present. G4DS and 8NS of the R.A.F. travelled down from Oxford. The following were also there—G2RL, 5XB, 6JK, 6WN, 2BVH, 2HFY, 4518, 4780, 47814, 782, 5095, 5156, 5183, 5185, 5266 and Mr. Staton. Again a word of thanks to our hosts (this time Mr. and Mrs. 2RL) for providing refreshments. We understand that Mrs. 6JK also helped in this connection. We know that catering of any kind causes a certain amount of strain to be placed on household resources; the fact that we were given tea shows that ham spirit is persistent even under adverse conditions.

In view of the success of this meeting it was decided to make them a regular monthly feature, accordingly the next is to be held at G6JK. During the meeting one member proposed that a collection for the P.O.W. Fund be taken with the result that the sum of 27s. was raised. We thank everybody. Messrs. Freer, 4781 and Styles, 4782, have agreed to produce notes each month for the BULLETIN which will help to keep High Wycombe on the map in future.

G3GY reports fit and well from the Middle East. 2KI is now in Kent. 2RF, now a W./O., has left the district. 3UQ has heard from 3XI (M.E.) who appears to be in good fettle. 5056 sends 73 to 5195 who is in Gib. 5AO is attempting to arrange a meeting. (Why not bring the "gang" to the Greenford meeting in October?—D.R.) G6WN.

**DISTRICT 16 (South Eastern)**

Deputy D.R.: W. A. Scarr, M.A. (G2WS), 8 Beckenham Grove, Shortlands, Bromley, Kent. Beckenham 1131.

A long letter has arrived from Frank Lane, G3GW, who is with the R.A.F. in Ontario. He would be glad to hear from old friends, including 4HG, 5MM and 4FN, who should write via "St. Austell," Bartons Hill, Minster, Sheerness. 3GW has made many interesting contacts with W and VE amateurs.

G6CY (acting T.R. for Brighton and Hove) reports having heard from W. O. Barnett, 8AC, Malta. 2RU is now overseas, 2AO has undergone a serious operation on his eyes, 4NY is working hard in R. Sigs. Best wishes to them all. Mr. Clacy also says that Sussex amateurs are all doing their bit as usual, either in or out of uniform. G2WS.

**DISTRICT 17 (Mid East)**

D.R.: Dr. A. Gee (G2UK), "Stonehaven," Horncastle Road, Boston, Lincs.

The D.R. has received many enquiries regarding the photographs taken at the Lincoln P.D.M. Members are requested to kindly send either prints or negatives to G2UK in order that an announcement can be made next month regarding the availability of copies.

Boston. —G4AD of Leeds, stationed with 2BQC, is in hospital following a cycle accident. He is progressing satisfactorily. 2BUC was recently on embarkation leave. After some very varied experience in the R.A.F., Dick Marris, 2BZQ, now writes from E. Yorks, where he finds the local "HF" excellent, but on rather short ration! 2UK was pleased to have a visit from Mr. Green a new member from Skegness. Would like your full address please, O.M.

A welcome is extended to S. R. Willson, 5147 and J. J. Williamson, 5229, both of Sleaford. T. G. King, 5385 (Alford) and E. W. Seales, 5321 (Seunthorpe).

The D.R. would be glad to hear from all new members.

G2UK.

**DISTRICT 19 (North-Eastern)**

D.R.: R. J. Bradley, G2FO, 36 Raby Road, Stockton-on-Tees.

District 19 notes again make their appearance after a wide gap as a result of welcome letters from BR55257 (via 2MI) and 6VG. The former, writing from South Shields, laments the lack of news from the District and says that he and a few friends are planning a "manifest" to take place in the near future and hopes for full support. 6VG writes to say that he is now in the Middle East and that the only amateur he has met so far is 6PB who lived only a hundred yards from him at home. He sends 73 to 5WZ, 6GC, 8JO, 6XO and all other South Shields friends.

G6ZT and 3IV are in R. Sigs. and it is rumoured that they are now "cashing in" on their recent discovery that if you can play the piano you need not buy beer!

We are pleased to report that 5XT has now fully recovered from his recent accident when he received a severe electric shock and burns from a switchboard on which he was working.

G2FO.

**Scotland**

Scottish Records Officer: J. Hunter (GM6ZV), 51 Camphill Avenue, Glasgow, S.1. Langside 237.

"A" District.—To cater for those who cannot attend on a Sunday afternoon an experimental series of meetings is being held on a Tuesday evening around the middle of each month in the Institute of Engineers and Shipbuilders, 39 Elmbank Crescent, Glasgow, commencing at 7.30 p.m. The first such meeting took place on September 15, when W./O. W. R. Eadie, GM4JO, gave a talk on "Can we Contact Mars," a topic which proved very interesting. This was followed by a debate. The regular monthly meeting was again well supported and a most interesting lecture, on frequency-changing, was delivered by P./O. Nisbet. Next month Mr. A. H. Mason, GM6MS, will speak on "Servicing Radio Receivers." (See "Forthcoming Events" for details.) GM6ZV.

"H" District.—After being "lost" for some time, news is to hand from Miss Mitchell, 3998, our one and only lady member. Welcome Jenny! A little bird tells us that 209 (who reports busy) had something to do with the "magical" appearance of 3998. 4AN is busy with a new 56 Mc. receiver, 2BJ1 (R.A.F.) informs us that the W.O. who took him for his last exam. was a one-time Hon. Treasurer of "A" District. The D.O. has met GM6RI, 5347 and 4832. The latter who hails from Belfast, is a ship operator, and at the time had just returned from some exciting adventures afloat. The reference last month to G2PB should have read G2BB. More reports are wanted. (Via GM2NQ.)

**Northern Ireland**

D.R.: J. N. Smith (G15QX), 19 Hawthornden Drive, Belmont, Belfast. Belfast 63323.

G15HU, just back from England, reports having met a fine bunch of amateurs over there. He visited G2LT, 3PR, 5BJ, 3LN, 4CR, 4MN, 6YD, 8UD, 8NX and 8QY who gave him a great welcome. He also met G6DL and attended a meeting of the M.A.R.S., making many more contacts there. An extract from 5HU's letter is worth recording. He says: "In a letter to G3PR telling him of my intention to visit him, I mentioned I would like

the town band to play me in, and a red carpet to walk on, and I certainly got it, for as I entered his garden there boomed out all the pots and pans in the house, a Union Jack fluttered out of the door, and the red carpet followed it, plus a notice reading: 'Welcome to old Farnackerpan.' (Such is the spirit of ham radio.—D.R.) To one and all 5HU sends very grateful thanks.

Recent visitors to the Y.M.C.A. Club have included W2IIQ, 2GXC, 2MWA, 3BFC, 5FTW, 60YD and 8WVS. 4895 (a regular caller) and E19F also dropped in for a rag-chew. G15QX.

**Chester Throws its Chest Out**

THE P.D.M. held at the Queen Hotel, Chester, on Sunday, September 20, provided further proof of Council's determination to give its fullest support to all properly organised meetings. On this occasion Headquarters was represented by Mr. A. D. Gay, G6NF (President), Mr. H. A. M. Clark, G6OT (Hon. Treasurer), Mr. W. A. Scarr, G2WS (Member of Council) and Mr. John Claricoats, G6CL (General Secretary).

Unlike the Lincoln meeting, which was reported upon last month, the North Western P.D.M. was characterised by the absence of Service representatives—only three or four being present.

Following a convivial rag-chew from noon onwards the company—nearly 50 strong—were provided with lunch, although at one time it seemed that those who had not made prior reservation would go hungry. The fact that they did not, is a tribute to the tact of Mr. H. W. Stacey, G6CX (District Representative for North West England), who persuaded the management to produce results when none seemed possible!

The Chair was taken at the outset of the business meeting by Mr. Stacey who expressed his appreciations to Council for having sent a record number of delegates from London. He then invited Mr. Gay to preside. In a brief speech the President thanked Mr. Stacey for having organised the meeting and for having provided an opportunity for Council representatives to contact in person all who had journeyed from far and near to attend. He extended a special welcome to those whose homes are in other parts of the country. In regard to the future, he assured all present that every effort would be made to press for the earliest possible restoration of licence facilities.

Mr. H. A. M. Clark endorsed the views expressed by the President and stated that the financial position of the Society was highly satisfactory.

Mr. Scarr mentioned his pre-war associations with members of District 1 who had co-operated with him in 56 Mc/s. Field Days and other tests. He expressed his personal pleasure at meeting many old friends of the air for the first time.

The General Secretary then addressed the meeting. He began by stating why he considered the presence of Council representatives at P.D.M.'s was highly desirable. "Only by maintaining personal contact with the Provincial membership," he said, "can the Executive obtain that degree of first hand knowledge which is so essential, at the present time, to the efficient conduct of Society affairs."

He next dealt with Society activities in war-time. Reference was made to THE BULLETIN—the main link between all members, town meetings; the growth of the membership during the past 12 months; the current financial position of the Society; the success of Society publications; the necessity for maintaining a strong Experimental Section and the need for the continuation of District notes.

He then referred to the Service side of the Society's work in war-time, emphasis being placed on the importance of effective contacts with those Service chiefs who are responsible for Signal and Radio communication generally. "It is imperative," he said, "that all those in official positions, who are likely to have some say in licence matters after the war, should know what British amateurs have done during the war. We cannot afford to let our efforts be lightly passed over."

The Secretary announced that over half the membership were on active service. He also mentioned that on occasions it has been possible to remove "square pegs from round holes." The need was stressed for regular meetings in centres where serving amateurs are stationed.

Reference was made to the R.S.G.B. Prisoners of War Fund and so effective was the Secretary's appeal for continued support that the sum of five guineas was donated later in the day by those present.

Mr. Claricoats then referred to some of the post war problem which will face the Society. He endorsed the President's opening remarks in regard to licences and emphasised that at all cost licences must be restored promptly. Frequencies, power limits and other matters must all be considered as subsidiary to the main issue. He stated that Council were giving very careful consideration to the question of technical examinations, and the matter of certificates for Service members. He reiterated the view expressed at previous meetings that the closest liaison is essential between the R.S.G.B. and all other English-speaking amateur organisations.

He concluded his speech with a reference to the necessity for establishing a real Headquarters after the war—"somewhere where every member can feel at home."

He thanked Mr. Noden, G6TW (late D.R. for No. 1 District for his continued support of Society activities, and extended his thanks to Mr. Stacey and his T.R.'s for the assistance which he had always received from them.

Mr. Gay then invited the members present to ask question

(Continued on page 64)

## HEADQUARTERS CALLING

The President, Council and  
Headquarters Staff send

## Christmas and New Year Greetings

To members of the Society serving or  
resident abroad and to the radio amateurs  
of the British Empire and Allied Nations

### August Council Meeting

*Resume of the Minutes of a Council Meeting held at the Institution of Electrical Engineers, on Monday, August 14th, 1942, at 6 p.m.*

**Present.**—Messrs. E. L. Gardiner (Executive Vice-President) in the Chair, A. E. Watts, H. A. M. Clark, G. A. Jessup, S. K. Lewer, W. H. Mathews, E. H. Simmonds, A. J. H. Watson and J. Clarricoats (General Secretary).

Apologies were received from Messrs. A. D. Gay (President) who was indisposed, J. W. Mathews (absent on Service duties) and W. A. Scarr (on vacation).

1. One hundred and forty-seven applications for membership were accepted. One hundred and ten were sponsored by Corporate Members and 37 applicants submitted references.

2. It was reported that the total membership as at July 25, 1942, was 4,250, representing a nett increase of over 500 in seven months.

3. It was reported that the balance in hand of the P. O. W. Fund as at August 10 amounted to £264 (Receipts £389, Expenditure £125).

4. It was agreed to exchange publications with the British Institution of Radio Engineers and to publish details of forthcoming Brit.I.R.E. meetings.

5. As prisoners of war who wish to join the Society may not be elected by proxy it was agreed to send such persons the statutory application for membership. If the Censorship authorities decline to permit application forms to be sent to prisoners of war, the applicant will be requested to sign the form contained in the Schedule appended to the Articles of Association or such form to the like effect as may be authorised by Council.

6. As no further information was forthcoming regarding the suggested London meeting place, discussion was deferred to the next meeting.

7. It was agreed to hold a P.D.M. at Chester on September 20.

### Radio Brains Trust Meeting

An attendance of 75 was recorded at the second session of the Radio Brains Trust held on Saturday, September 26, 1942, at the Institution of Electrical Engineers, London. The meeting was presided over by Mr. A. D. Gay, G6NF, who also acted as Question Master.

In the absence of Mr. E. L. Gardiner, G6GR, and Mr. H. A. M. Clark, G6OT, Lt. Flott, G2JK, and Mr. H. R. Heap, G5HF, were invited to join the original members of the Brains Trust—Messrs. D. N. Corfield, G5CD, F. Charman, G6CJ, and S. K. Lewer, G6LJ. Sixteen questions of a diverse nature were submitted by the membership and a further half dozen were put forward during the meeting.

It is hoped to publish a selection of the replies given in future issues.

Mr. W. H. Matthews, G2CD, moved and Mr. W. E. Russell, G5WP, supported a vote of thanks to the Brains Trust and this was carried with acclamation.

The next meeting will take place on Saturday, October 31, at 2.30 p.m. when F/Lt. T. R. Theakston, B.Sc. (2DBK), will present "Maths. for the Radio Amateur," in a new and novel form.

### Trouble Tracing

As a result of the paragraph published in our last issue, Mr. A. H. Mason, G6GMS, has been invited to prepare a short series of articles dealing with trouble tracing in receivers. His first contribution will probably appear next month.

Offers from Mr. Hobden, G2YH, and Mr. Milne, G2MI, have also been accepted, and it is understood that these two members will contribute jointly a further series of articles which will appear later in the current volume.

The General Editor records his thanks to all members who responded to his appeal.

### International DX'ers Alliance

With reference to the paragraph published in our May issue we are advised by Mr. N. Burton, 14 Apollo Avenue, Whitefield, Manchester, that the annual subscription to the Alliance has been increased from 6s. to 7s. 6d.

### An Apology

In our tribute to the memory of Reg Neale published last month his call was quoted as G6NZ instead of G6GZ. We apologise for the mistake.

## Letters to the Editor

### Disposal of Government Surplus

DEAR SIR,—I am thoroughly in agreement with your sentiments regarding the disposal of ex-Service equipment after the war. I would suggest that a Board of Trade order should be issued, fixing the maximum retail price at a certain minimum percentage over the cost price of the equipment charged by the Government department responsible for its sale to the public. In my mind this would enable dealers to make a reasonable profit to cover expenses and also would enable a B. O. T. Inspector to inspect the invoices and thus check whether the retail price asked was the correct one or not.

As regards valves, I am afraid that the suggestion of testing all valves offered to the public is rather a tall order in view of the millions of valves concerned. Personally, I would far rather see only new unused ex-Service valves placed on the market, all the part-worn ones being "reduced to produce" as they say in Service parlance. I am pretty sure, anyway, that the prices of new valves, after the war, will be much lower than before.

Anyway, good luck with the scheme, it's a fine idea.

Yours faithfully,

H. BARNETT (2A1Q).

DEAR SIR,—Whilst I agree with many of the points in the letter from G4CW, I do not agree with his suggested solution. The economics of the matter are not so simple.

All Government surplus (for which there will be a demand), is wealth; the destruction of wealth will reduce the purchasing power of the people by creating "scarcity values."

Look at the position of the Radio Amateur. If all the available Government Surplus is destroyed many of us will have to decide

between that piece of equipment we so badly need and the new suit long over-due. If I buy the instrument at the "scarcity" price my tailor goes without a job, and his power to employ me, in a roundabout way, is reduced.

As for employment of those in the Radio trade, I think two factors will take care of that.

(1) There will be a large influx of amateurs from the Services, and a big stimulus to the amateur movement.

(2) The supply of commercial sets for the Broadcast market will be several years behind.

The solution is control, both of the flow of the goods to the market and also the prices, and this should be done through a committee representing the Government, the R.S.G.B., and the Radio Manufacturer.

Yours faithfully,

P. ROSAY (2HNR).

DEAR SIR,—May I crave space to reply to G4CW on the subject of disposal of surplus. I would suggest that while his idea may be a masterpiece of idealist economics, it is wholly impracticable until the principle is universally adopted, and that will never be! To destroy and rebuild, in order to attain prosperity suggests that when Jerry blitzes our cities he is making us more prosperous because of the rebuilding which will be necessary. Further, it would be ideal, if when the R.A.F. has bombed Germany into submission, they could bomb us into affluence! *Reductio ad absurdum* with a vengeance!

No, there has been enough destruction, and lack of normal production, to give us an enormous lee-way to make up. And anyway, who pays for all this destruction? The very people whom you intend to "benefit" by it!

While I still feel that it is within the province of the Society to undertake the task, the alternative is the formation of a Limited Company of, by and for, amateurs, and I know I speak for many when I suggest that the views of members with business experience (but no axe to grind), would be welcome.

Yours sincerely,

H. S. CHADWICK (G8ON.)



## NEW MEMBERS

## Home Corporates

N. COOKNELL (G2CO), 25 Ridley Avenue, Blyth.  
 G. HARGREAVES (G2FR), 848 Padiham Road, Burnley.  
 F. W. COLE (G4GX), 33 Douglas Road, Cleethorpes.  
 D. A. TOLISS (G4HY), 143 Burton Road, Overseal, Burton-on-Trent.  
 E. G. DYER (G4IJ), 25 Annerley Road, Bournemouth.  
 G. EVANS (G6YO), 98 Moorlands Rd., Birkenshaw, Bradford.  
 H. CARMICHAEL (G2CHJ), 56 Ashley Drive, Lisburn Rd. Belfast.  
 J. W. PEEK (G2SI), 5 Brookfield Ave., Balme Rd., Cleckheaton.  
 C. PEET (2FGU), 157 Ormskirk Road, Rainford, St. Helens.  
 F. E. ROSE (2FHV), 14 Parkway, London, S.W.20.  
 J. K. BIRCH (2FOS), 93 Prince Edward Ave., Denton, Manchester.  
 F. D. WEBB (2HBC), 16 Capmartin Road, Radford, Coventry.

A CORDIAL WELCOME IS EXTENDED TO THE

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NEW MEMBERS WHOSE NAMES ARE LISTED

## Home Corporates (B.R.S.)

O. G. SCARLE (5415), 67 Holeburn Road, Glasgow, S.3.  
 R. W. TOZER (5416), 86 Beacon Avenue, Polesloe Bridge, Exeter.  
 G. A. THOMAS (5417), 146 Rochester Street, Chatham.  
 W. ADAMS (5418), 41 St. Michaels Road, Broxbourne, Herts.  
 G. W. SCHOLFIELD (5419), 13 Tweedale Avenue, Manchester, 9.  
 J. Wood (5420), 69 George Street, Perth.  
 R. A. WHEELER (5421), Tower House, Stoney Stratford, Bucks.  
 J. E. WILSON (5422), 1 Sterling Gve. Heslington Lane, York.  
 R. W. C. TANNER (5423), 744 London Road, High Wycombe.  
 J. H. BROOKS (5424), 20 Balfour Rd., New Village, Bentley, Yorks.  
 C. SMITH (5425), 11 Outer Circle Drive, St. Giles, Lincoln.  
 H. HANSON (5426), 195 Ormskirk Road, Newtown, Wigan.  
 R. COWELL (5427), 27 Douglas Road, Worsley, Manchester.  
 G. A. KENNABY (5428), 25 Dryden Close, Hainault, Essex.  
 H. T. ROBINSON (5429), 144 Francis Close, Ewell, Surrey.  
 S. F. PAMPLIN (5430), 1 Glenhurst Road, London, N.12.  
 W. S. A. WILLIAMS (5431), Rosscabery, Gayton Rd., Gayton, Cheshire.  
 V. VALCHIERA (5432), 57 Fortress Road, London, N.W.5.  
 T. HOLDING (5433), 83 Gathurst Lane, Gathurst, Lancs.  
 W. R. WALKER (5434), 268 Kilmarnock Road, Glasgow, S.3.  
 M. F. SMITH (5435), 174 Beacon Road, Luton, Chatham.  
 R. W. BEARDMORE (5436), 56 Wentworth Drive, Eastcote, Middx.  
 F. W. SWALLOW (5437), 6 Oakfold Road, Sheffield, 5.  
 S. A. JACKSON (5438), 23 Leicester Road, Netherborough, Leics.  
 L. FRASER (5439), 44 Templars Way, Fairweather Grn., Bradford.  
 R. H. RANDOLPH (5441), 38 Northfield Crescent, Edinburgh, 8.  
 E. W. SACKETT (5442), 14 Verdant Ct., Verdant Lane, London, S.E.6.  
 E. L. BROWN (5443), 57 Seedley Park Road, Salford, 6.  
 P. J. HOLT (5444), 11 Pound Lane, Gorleston, Norfolk.  
 D. MACDONALD (5445), 8 Palmerston Rd., Strandtown, Belfast.  
 D. D. BROTHICK (5446), 33 Appledore Ave., South Ruislip, Mx.  
 R. A. WILKINSON (5447), 361 Eccles New Road, Salford.  
 A. N. R. HARRIS (5448), 25 Fagley Cres., Eccleshill, Bradford.  
 W. L. BICKNELL (5449), 55 Sunnyfield, Mill Hill, London, N.W.7.  
 C. W. VITTY (5450), 10 Newstead Avenue, Hinckley, Leics.  
 W. G. ENDERSBEE (5451), 42 Heyworth Road, London, E.15.  
 H. J. E. PIZZY (5452), 42 Elthorne Road, London, N.19.  
 V. G. MILLS (5453), 15 Tylecroft Road, London, S.W.16.  
 C. BIRTLES (5454), 160 Loughton Road, Dinnington, Sheffield.  
 N. SAYWELL (5455), 23 Cotterill's Ave., Alum Rock, Birmingham, 8.  
 D. H. POUFARD (5456), 2 Clareston Road, Tenby.  
 A. R. KNOWLES (5457), 2 Coburg Mansions, London, W.C.1.  
 P. F. ASHCROFT (5458), 41 Eastbank Street, Southport.  
 F. PEACOCK (5459), Glenburn, Crestor Rd., Woolton, Liverpool.  
 R. ROONEY (5460), 55 South William St., Workington, Cumb.  
 W. W. S. HUBBARD (5461), Southwood, Lydgate, Eyam, Sheffield.  
 R. L. F. BEWLEY (5462), 16 Westfield Lane, Mansfield.  
 E. A. ROBINSON (5463), R.A.F.  
 N. D. MASON (5464), The Square, Drymen, Glasgow.  
 D. W. R. WITTHAM (5465), 40 Exeter Gardens, Ilford.  
 K. G. REYNOLDS (5466), 14 Lucknow Ave., Mapperley Park, Notts.  
 G. C. WRIGHT (5467), 43 Springfield Drive, Ilford.  
 A. O'NEIL (5468), 70 Dryburgh Avenue, Denny, Scotland.  
 J. M. BEALE (5469), 76 Highburgh Road, Glasgow, W.2.  
 V. C. GOULD (5470), 296 Well Hall Road, London, S.E.9.  
 S. D. MARLOW (5471), 33 Vicarage Road, Birmingham, 19.  
 R. C. W. MAYLEY (5472), Bay Trees, Gorse Way, Hartley, Dartford.  
 P. M. CLIFFORD (5473), Annesley, Great Bealings, Woodbridge.  
 C. W. ASHTON (5474), 10 West Powlett Street, Darlington.  
 E. Y. WEATHERLEY (5475), 145 Maybank Avenue, Wembley, Mx.  
 E. W. J. WOOD (5476), 73 Eton Road, Ilford.  
 J. P. DOWNES (5477), 19 Castlemain Ave., W. Southbourne, Bournemouth.

R. VICARY (5478), 5 Cheapside, London, N.13.  
 G. SHIPLEY (5479), 4 Steere Avenue, Tamworth, Staffs.  
 G. TAYLOR (5480), 88 Bonhay Road, St. Davids, Exeter.  
 A. L. J. MILSON (5481), 50 Battersea Rise, London, S.W.11.  
 E. S. DEIONE (5482), 145 Squirrels Heath Lane, Hornechurch.  
 E. R. B. SMETHURST (5483), R.A.F.  
 P. A. WIGGLESWORTH (5484), 19a Cranleigh Pde., Sanderstead, Surrey.  
 D. W. PARKER (5485), 185 Vale Road, Colwick, Notts.  
 W. BACHELOR (5486), 164 Shenley Fields Road, Birmingham, 29.  
 P. PHILLIPS (5487), 6 Cavendish Road, Birkdale, Sou. Hopt.  
 E. J. HOLMES (5488), 19 Rosemary Drive, Ilford.  
 G. H. HANDS (5489), R.A.F.  
 G. M. DEWAR (5490), Galascrook, Philpstoun, Linlithgow.  
 M. E. CLAXTON (5491), 4 Castle Causeway, Sleaford.  
 H. M. HARDWICK (5492), 58 Rectory Park Road, Sheldon, Birmingham.  
 J. C. HATFIELD (5493), c/o "Hogmoor Lodge," Whitehill, Bordon, Hants.  
 T. NUIHILL (5494), 8 Carisbrooke Road, London, E.17.  
 A. FROGLEY (5495), 21 Ladymead, Guildford, Surrey.  
 G. R. LOVE (5496), Sunnyclyff, Dundererry, Torpoint, Cornwall.  
 F. S. R. WILLIAMS (5497), 11 Crystal Palace Park Road, London, S.E.26.  
 G. K. KING (5498), 4 Hillsborough Road, Garrowhill, Glasgow.  
 C. R. LESLIE (5499), 6 Closeworth Road, Farnborough.  
 T. DODD (5500), Robinson Trees, Shap, Penrith, Cumberland.  
 R. C. BARCLAY (5501), 2 Park Place, Brechin, Angus.  
 J. S. MILLS (5502), Cheddin House, Cheddin Fitzpaine, Taunton.  
 W. GORMAN (5503), 19 Westland Avenue, Hornchurch.  
 J. G. INGLIS (5504), The Orchard Hotel, Princes Street, Falkirk.  
 J. P. HAGERTY (5505), 533 Southport Rd., Orrell, Liverpool, 20.  
 F. G. MOYLE (5506), Wood View, Gweck, Helston, Cornwall.  
 D. SWALE (5507), 49 Ridgeview Road, London, N.20.  
 C. K. PRICE (5508), 76 Regent Street, Gloucester.  
 K. F. BECKINGHAM (5509), North Street, Williton, Somerset.  
 H. E. BULL (5510), 6 Brooklyn Drive, Ellesmere Port, Wirral.  
 M. W. KUHN (5511), Kirby Mount, Caddy Road, West Kirby.  
 A. LANGLEY (5512), Inglewood, Marlborough Drive, Broughton.  
 M. THOMAS (5513), 1 Douane Quadrant, Glasgow, N.W.  
 B. E. HENTSCH (5514), 7 Victory Road, Beeston, Notts.  
 W. C. ERITH (5515), 79 Kingsway, Woking, Surrey.  
 J. BURKE (5516), 47 Springbridge Road, Manchester, 16.  
 H. W. PENNY (5517), 23 Lakefield Road, London, N.22.  
 C. P. EATWELL (5518), Chosen, Broad Hinton, Nr. Swindon.  
 P. B. CROSSE (5519), 881 Burnley Road, Bury, Lancs.  
 W. E. PRIEST (5520), 12 Crescent Road, Rhyl.  
 J. A. NOBLE (5521), 65 London Road, Kilmarnock.  
 D. C. M. ROSS (5522), 3 Abercorn Rd., Willowbrae, Edinburgh, 8.  
 A. RINTOUL (5523), 20 Brackenbrae Ave., Bishopbriggs, Glasgow.  
 N. A. PRIEST (5524), Greenfield, Blake St., Little Aston, Warwick.  
 A. H. DELL (5525), 25 Lodge Drive, London, N.13.  
 J. H. PATERSON (5526), 8 Hawkhill Road, Kincardine, Fife.  
 A. E. WORTON (5527), 5 Brookhill Street, Stapleford, Notts.  
 J. W. BELCHER (5528), 4 Thorpe Avenue, Cinderhills, Nr. Huddersfield.  
 M. L. VOUT (5529), 45 Norbett Road, Arnold, Notts.  
 F. HOW (5530), 175 Friar Street, Reading.  
 W. T. McDONALD (5531), 89 Roche Hse., Beccles St., London, E.14.  
 C. L. BALCH (5532), 23 Broadway North, Walsall.  
 J. W. BOX (5533), 31 Wellington Road, London, W.5.  
 E. A. POND (5534), 8 Shorndean Street, London, S.E.6.

## Dominion and Foreign

P.O. ODD HOPE (LA2UA), R.N.A.F.  
 A. C. HENLEY (VE3AD), R.C.A.F.  
 CPL. H. W. JACKSON (VE3AV), R.C.A.F.  
 H. F. KLINGENER (W2GXC), U.S. Army.  
 SGT. G. F. DEMAREST (W2IIQ), U.S. Army.  
 CPL. A. B. JOHNSON (W2MWA), U.S. Army.  
 S./SGT. R. F. LANZONI (W3FBC), U.S. Army.  
 SGT. J. J. BAILEY (W5FTW), U.S. Army.  
 LT. H. H. SPAIN (W5EH), U.S. Army.  
 LT. C. A. JESSUP (W7CRL), U.S. Army.  
 A.C.1 A. R. TRUMAN (BERS501), R.N.Z.A.F.  
 CPL. D. E. WEEKS (BERS502), R.C.A.F.  
 H. L. LANGLEY (BERS503), R.C.A.F.  
 F./LT. G. E. PROSSER (BERS504), R.A.A.F.  
 M. HOSNI (FRS60), 5 Tursina Street, Dahar, Cairo.

## World Code Championship

Apropos the paragraph published in our August issue (page 24), Mrs. Walter Candler, Supervisor of Training, Candler System Co., Ltd., Denver, Colorado, advises us that the material used for the contest at which Ted McElroy established the world record speed of 75.2 w.p.m., was selected, prepared and sealed by an official board. International Morse characters were used, and the calculation of speed was by the customary method of five characters per word.

Now you 50 w.p.m. wallahs, laugh that one off!

Mr. F. R. Joyce, 3831, wishes it to be recorded that he was on an A.T.C. Instructors course at No. 1 S.S. during the time the members of the R.S.G.B. Party were there in August.

## VIBRATOR-OPERATED POWER SUPPLY UNITS— (Continued from page 54)

The OZ4 type valve has proved very useful in this application as the need for heater current does not arise and good performance on outputs up to 300v, 100 mA have been reliably obtained. The valve has one disadvantage in that the load must exceed 30 mA for reliable operation. This is due to the emission being obtained by a "hot-spot" from an arc in the Argon gas filling, and the need for minimum current in order to maintain it in a stable form. The alternative arrangement, where synchronous vibrator circuits cannot be used, is a selenium rectifier, or a valve such as the 6X5 with a low heater wattage.

If A.C. is required from the vibrator transformer it is obtainable from the primary winding (with D.C. connected as well), and is approximately 10 volts in the case of 6 volt units and so on. No trouble has been experienced from the operation of normal 50 cycle equipment on the 115 cycle square-form A.C. from the vibrator, and a considerable sphere of activity is thus open to the experimenter.

## CHESTER THROWS ITS CHEST OUT— (Continued from page 61)

but none was forthcoming other than a technical query from Cpl. J. Davies, G20A, which was dealt with by Mr. Clark.

Mr. Stacey announced that through the generosity of Mrs. Hough, 2DYN, of Crewe, a pair of 76-type valves would be raffled and the proceeds used to defray expenses incurred in holding the meeting.

A cordial vote of thanks was recorded to Mrs. Hough who expressed her regret by letter that she could not attend. Messages of greeting were read from Mr. A. O. Milne, G2MI (Representative for No. 2 District), Mr. C. Spillane, BRS1060 (Deputy D.R. for North Wales), Ft./Lt. H. W. Simpson, G8DI, Mr. G. Russell Lee, G6GL, W/O. Bramwell, G2RF, and others who were prevented from attending.

The President moved a vote of thanks to Mr. Stacey for his work on behalf of the Society and this was carried with acclamation. A vote of thanks to the President and the other representatives from Headquarters was also carried.

In giving a bare recital of events which took place at the meeting proper, the writer is cognisant of the fact that the real value of such gatherings lies in the personal contacts and private conversations which took place outside the meeting room. There is no doubt that the 50-odd members who gathered at Chester derived considerable satisfaction and pleasure from the informal chats they had "in odd places."

It is hoped that other districts will emulate the example set at Prestatyn, Lincoln and Chester.

## Record Attendance at No. 1 S.S. Meeting

The first meeting of the season held at No. 1 S.S. Hut 165, on October 5, proved an unqualified success with a record attendance of 76. Those present included: LA2AU, VE5OR, W6LWP, W7DRF, W7HOJ, W8WGI, ZL1GI, G20A, 3VD, 4GD, 4HY, 5TC, 6YO, 8HB, 8ON, 2AZI, 2BIB, 2BLA, 2BFD, 2CNT, 2FNS, 2FVV, 2HCP, 2HBC, 2HJN, BRS626, 3887, 4056, 4159, 4169, 4234, 4691, 5243, 5290, 5412, 5420, 5428, 5488, 5490.

Meetings are to be held on the first Monday of every month in Hut 165, East Camp, by kind permission of Sq./Ldr. Hibbins (BRS3887). A committee was set up to organise the work of the R.S.G.B. in the camp, consisting of Cpl. H. S. Chadwick, G8ON, chairman, Cpl. A. Y. Cole, 2HJN, secretary, Cpl. E. R. Ball, 4169, organiser, Cpl. N. G. Anslow, G4GD, P/O. Morris, Cpl. Chappell, 2AZI, Sgt. Southall, VE5OR, Sgt. Farmer, 2BFD, Cpl. Streetley. By unanimous vote, Sq./Ldr. Hibbins was asked to become President of the Branch.

Permission is being sought to use Hut 165 on the third Wednesday as well as the first Monday, of every month.

It was decided to invite American officers at No. 1 S.S. to appoint one of their number to be co-opted to the committee to represent A.R.R.L. members, to whom a cordial welcome is and will be extended. (QST please copy.)

The meeting ended with a few well chosen words from ZL1GI, W7DRF, LA2UA and VE5OR, who extended greetings from their respective countries, and these were reciprocated with enthusiasm. On November 2 at 7.30 p.m., Cpl. Cole will give a talk on the construction and design of a Cathode Ray Oscilloscope. This will be followed by a topical talk. A "Brains" Trust meeting is also to be arranged in the near future. G8ON.

## EXCHANGE AND MART.

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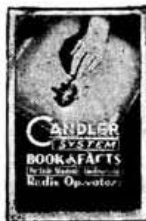
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