

**RADIO SOCIETY OF
GREAT BRITAIN
City of Bristol Group**

**19th LONGLEAT MOBILE RALLY
27th JUNE, 1976**



A COMMENT FROM THE CHAIRMAN

It's easy to get hooked on something you like, but the use of the word "hooked" with its overtones of unpleasant addiction is ambiguous — thus, to start again, I'm pleasantly hooked on Longleat Mobile Rally. Without going into details of how many years I've attended this, the highspot of the Bristol Groups' annual programme (I can, and do, boast of being able to think back almost as far as the first DX balloon race, hydrogen and all!). I never come to Longleat without thinking of those who at the time of the first Rally, and before, were busily at work reinforcing the foundations upon which the pre-war Bristol Group had been built. The younger G2FYT was no doubt polishing the techniques necessary to work those 300-plus countries and to get him among the leaders of many subsequent contests, and the Group's best CW exponents were demonstrating to the world how the use of home brewed gear producing ten genuine fat watts enabled the NFD trophy to be brought thrice to Bristol, this leading to the institution of the Bristol Trophy as the prize for the best single station entry in that contest.

I can think back with pride when the boys with brand new call signs proudly brought their girl friends to earlier Longleat Rallies, and who, having since carved out careers in their own particular branch of telecommunications or electronics now brings the XYL (that same YL!) and their own members of the next generation, we hope, of radio amateurs to enjoy our day in this beautiful corner of England. Add to these the most recent recipients of call signs, be they the young whizz-kids full of the latest technology or old 'uns looking for a retirement hobby, be they G4 or G8 or BRS members of any vintage or interest, the Bristol Chairman once again says "Welcome to all our friends, old and new — have a wonderful day with us and each other, and see you next year!"

73, G3TTZ

Please support the collection being made by the

BRITISH RED CROSS

whose members are with us today on voluntary duty

GREENWELD ELECTRONICS

443 MILLBROOK ROAD
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Come and see us here today — we have a big selection of components at the most competitive prices:

Today only — 27th June:

741's 20p each
2N3055 25p each

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We operate an efficient by return postal service

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G2BAR

Better FM Stereo Reception

With Antiference *mush* Killers

A complete range of masts, chimney and wall mountings, outlet boxes, cables, flyleads and plugs is available, also Receiver Transformers to match 300 ohm aerial inputs on continental FM receivers to 75 ohm coaxial downloads, and Band 2 filters to separate FM signals from combined TV/FM download.

P.A. equipment used at this rally is supplied by us.

UPPINGTON TELE-RADIO (BRISTOL) Ltd.
12-14 PENNYWELL ROAD
BRISTOL 5

CABLES and AERIALS

We shall be showing and selling today the full range of COAX/MULTICORE/MIC MAINS etc. Cables at well below Wholesale prices.

Buy your stock now and Save Postage.

UR 67 . 50 ohms at 25p per Metre . shorts at special rate.

UR 43 . 50 ohms at 8p per Metre.

Mains at 5p and 8p per Metre.

Multicores: 4 core at 8p; 8 core at 10p
20 core at 15p per Metre.

Also on sale the range of REVCO AERIALS see the $\frac{1}{2}$ wave 2m model and the MA200 New Magnetic Mount.

W. H. WESTLAKE

CLAWTON, HOLSWORTHY,

Devon.

GAREX (G2ZVI)

See the Garex Twomobile AM/FM Transceiver for 2 metres and the New Fourmobile for superb AM/FM coverage of 4 metres.

Both receivers feature continuous tuning over the entire band with a high stability vfo, professional quality sensitivity *and* selectivity. Separate AM/FM switches on Tx and Rx for cross-mode working. Superb audio quality is a feature of the Tx. Six Tx channels using standard low-price 8MHz crystals. Built-in psu for 12v DC.

These **British Made** transceivers are now even better value as the pound sinks.

Prices: Twomobile £129.00 inc. VAT
With Tone-burst generator fitted

Fourmobile £135.00 inc. VAT
£121.50 inc. VAT

Garex FM Rx conversion kit for AM Pye Cambridges and similar equipment. Ready assembled and tested board, with wiring kit £5.40 inc. VAT

GAREX Tone-burst generator also tailor-made for Pye equipment. £4.39 inc. VAT

GAREX ELECTRONICS

7 NORVIC ROAD, MARSWORTH, TRING,
HERTS. HP23 4LS
Cheddington (0296) 668684

FROM THE RALLY ORGANISER . . .

Welcome to the 19th Longleat Mobile Rally of the Bristol RSGB Group. I hope we shall be blessed with our usual fine weather and that you will meet old and new friends.

We offer our thanks to the Marquis of Bath for again allowing us to meet at Longleat and also for his invitation to hold our 20th Mobile Rally next year on 12th June 1977 to coincide with Her Majesty the Queen's Jubilee, when the Band of the Royal Corps of Signals will "Beat the Retreat" on the forecourt of Longleat House.

No one gets the most out of Amateur Radio by pursuing it alone, and we thus urge those who are not RSGB members to visit our "Join the RSGB" Stand adjacent to Reception where the many benefits of membership can be taken advantage of by joining on the spot.

We are indebted to K J Studios of Bristol for the designing of the front cover of this programme, to G2BAR for the public address system, and indeed to all those who have unfailingly given time and talent to make our Rally what it has become.

B.J.C.

BRISTOL VHF ACTIVITY GROUP

The Group was formed just under one year ago, its aim being to promote VHF, UHF and microwave activity in the Bristol area. This includes technical discussions, demonstrations, talks and equipment adjustment evenings. The Group has entered a number of contests using various locations in the Bristol area, also from elevated sites in Wales, and has competed satisfactorily on the 4m, 2m, 70cm and 23cm bands. Meetings are held at the CEGB Sports and Social Club, High Street, Portishead on the first and third Monday of the month at 7.30 p.m. Further details can be found in the Bristol RSGB Group's monthly newsletter or from G8GLQ QTHR, (Bristol 625502)

BRISTOL AMATEUR RADIO CLUB

BARC has for a number of years been responsible for talk-in stations and the Bring and Buy Stall at Longleat. The Club was formed 14 years ago and currently has a membership of about 40 attending its informal meetings at 7.30 p.m. on Tuesdays at the University Settlement, Barton Hill, Bristol, 5.

The Club HF Station (HW 101 transceiver with 18 AVT vertical) is usually operated on Tuesdays using its call-sign of G3TAD, and arrangements are being made to establish a 2-m station. Plans are well advanced for a live A.T.V. demonstration during the summer months, and a 2-m DF Hunt. Further details of the Club which is affiliated to RSGB can be obtained from the Chairman, G8IJQ QTHR, or from Reception.

Mini D.F. Hunt

Station — G3XOD/P calling G3ULJ.

Frequency — 1850Khz approx.

Start Time — 1500 hrs BST.

Transmission — For 2 minutes at each 5 commencing 1500, 1505 etc. or as announced.

Check-in — 1400 to 1500 at reception.

A map should not be necessary and the station will not be located in any place not open to the public, or where additional entry fees are payable.

There will be a prize for the first in.

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City of Bristol Group, RSGB

1976 Programme

- | | |
|-------------|--|
| June 28th | "Interface Quartz Devices."
M. Hall, G3USC. |
| July 3-4th | VHF NFD. |
| July 26th | "Test Equipment."
H. L. Gibson, G8CGA. |
| August 22nd | Bristol Mobile Picnic, Ashton
Court. |
| August 23rd | Home constructed equipment. |
| Sept. 4-5th | SSB Field Day. |
| Sept. 27th | "Oracle". Mr. John Lovell,
I.B.A. |
| Oct. 11th | Film Show. |
| Oct. 25th | "Digital and Linear I.C's."
G8BXJ and G8FNR. |
| Nov. 29th | "A new lad on 2m., by an
O.M." Gordon Mather,
G3GKA. |
| Dec. 13th | Potted Lectures. |

FREE

PRIZE DRAW

N^o 250

The Lucky Winner will be drawn at
about 4 p.m.

Keep this programme at hand—

or buy another

to double your chances!!

Enter the Contest for the

BEST WORKING

HOME BREWED

MOBILE RIG,

by applying a yellow windscreen sticker
obtainable from Reception.

A Prize will be awarded at 4 p.m.

The following are represented today:

Aarvak Electronics	Axial Products Ltd.
Robin Bettinson	J. Birkett
Booth Holdings	C & C Electronics
Cobham Plastic Engraving Co.	
Crayford Electronics	GB3BC Repeater
GB3BS 70cm Repeater (Bristol)	
Garex Electronics	Greenweld Electronics
Hamvel	L. F. Hanney
Home Office	Interface
J. M. G. Electronics	Lowe Electronics
Modular Electronics	N.W. Electronics
Q. Services Electronics	Rally Maps
Radiotronics	S.M.C.
Taurus Electrical Service	Tealectrics
Thanet Electronics	T.V. Detector Van
UK FM Group (Southern)	Verulam A.R.C.
V.P. Electronics	W. H. Westlake
Western Electronics Ltd.	Wrap Resistors

TVI?

Visit the Home Office Stand and see practical demonstrations of the use of filters to prevent TVI.

*Have your own filters adjusted
free for their best performance*

All transmitting members are urged to make use of this service and to take advantage of professional advice available from Home Office Staff present today.

G3L GK

Radio, Electrical and Electrical Equipment Sales

Sorry that Ann and Brian are unable to meet our many friends at Longleat this year, due to another commitment, but hoping to see you all at other events.

Some interesting items in stock:

S — Surplus: N — New: P&P ()

S. Kit No. 5 - mains to 12v.d.c. zener regulated power supply. Peak 6.5Amps output, adjustable from 6 to 15 volts. Included suitable mains transformer and heavy heatsink to make the unit continuously rated and cool running. All parts except cases and chassis. £6.00 (£1.00)

S. Kit No 6 - Mains to SSB rig (etc) power supply. Gives +750v 300mA continuous, 550mA peak, +275 to 360v d.c. at 150mA and negative bias adjustable 0-140v 10mA, with 6.3v 8A 0R12.6v 4A for heaters. If the 12.6v line is chosen, a d.c. 12v relay supply can also be added. £18.85 (£1.50).

B. M. SANDALL

AMBER CROFT, HIGHAM,
DERBYSHIRE, DE5 6EH.

LOWE ELECTRONICS

TRIO

TR7200G £144 plus VAT

The TR7200G has set all 2 metre FM operators talking about its outstanding performance on both transmit and receive. Not only is it the best engineered transceiver on the market, but it's also the most sensitive at 0.3 μ V for 15dB quieting and has the cleanest transmitted signal both in and out of band (the economy transceivers simply lack the interstage filtering to ensure that the owner is not put off the air by the Home Office).

Supplied complete with microphone, mobile mount, power leads, spare fuses and incorporating the TRIO exclusive tuning fork access tone generator, the TR7200G includes five fitted channels (S20, 21, 22, R6 and R7) or alternatives if requested.

TR3200 £132 plus VAT

The newest FM handy transceiver from the TRIO RANGE. Superb performance for the 70cm. operator, 12 channel capability in the range 432-436 MHz with three channels fitted (SU8, SU18, SU20). Transmitter output switched 2W/400mW and incorporating the TRIO exclusive 1750 hz tuning fork access tone generator. $\frac{3}{8}$ -wave detachable antenna for high gain performance on both transmit and receive. Supplied complete with all accessories as the TR2200G and with the new miniature handy microphone.

TR7010 £176 plus VAT

Following the worldwide success of the TS700, Trio have taken the TS700 basic design and packaged it for 2 metres SSB mobile use.

The TR7010 sets new standards in receiver sensitivity and low spurious emission on transmit. Operating CW and SSB from 144.1-144.3 MHz, the TR7010 covers all CW, SSB and beacon activity. 40 5 kHz channels plus VXO and RIT provide continuous coverage. 8 extra channels can be used, without returning, in the range 144-145 MHz by fitting auxiliary crystals. Single conversion using an IF of 10.7 MHz with a superb crystal filter provides outstanding selectivity. Wide range amplified AGC and newly developed FET devices in RF amplifier and mixer stages allow maximum sensitivity to be used with freedom from overload due to adjacent signals.

Single conversion transmitter with new fully balanced mixer system generates a beautifully clean signal with crisp audio quality.

BELCOM

LA106 £178 plus VAT

High power. High performance. Modest cost. A reasonably priced, compact, high performance linear for 2 metres. SSB/FM/CW operation. 10W of drive for around 180W input gives your signal the extra kick to get it out of the noise. Built in receive preamplifier with adjustable RF gain and helical filters for increased selectivity and reduced intermod from out of band signals. Built-in regulated 13v. 2.5A supply for Linear 2 or any similar driver.

The LA106 will match any rig such as the TS700, FT221, IC201 in any mode provided that the drive level is around the 10W level. Using a rugged valve in the PA allows you to get away with occasional misuse (just try a high power solid state amplifier into a mismatched load) and gives very low intermod products.

LINER 2 Mk II £164 plus VAT

Belcom have just introduced the latest model of the Liner 2 with many detail improvements, notably in the new receiver front end which results in much higher sensitivity, and transmitter modifications which improve the signal quality and lower the level of unwanted signals. The Liner 2 is still the ideal way to get into real DX operation on 2 metres and continues the Belcom tradition of being one step ahead of the field in amateur radio developments.

Frequency coverage 144.1-144.34. 10W output. Complete with the usual Belcom comprehensive range of accessories including mobile mount etc. Contact us soon for a demonstration.

FS1007P £176 plus VAT

The home station FM transceiver with everything. *Mains or 12 volt operation. *16 channel scanning *channel skipping facility *priority channel with front panel crystal sockets *manual or auto scan *switched high/low power *switched wide/narrow deviation *S metre *RF output meter *centre zero tuning meter and auto switch on *built-in loudspeaker *10 watt TX *0.3 microvolt sensitivity *superb styling and finish.

All this and supplied fitted receive crystals for 145, 145.25, S20, S21, S22, 145.6, 145.8, R3, R4, R5, R6, R7 together with transmit crystals for 145, S20, R6 make the FS 1007P the most incredible bargain on the FM market. Backed by the combined reputations of Belcom and Lowe Electronics.

IN BATH

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