

WPO COMMUNICATIONS

This month, we thought we would give a resume of all our products — if you want more data, please ring, or drop us an s.a.e. (9 x 4" or larger).

This project is now withdrawn, to be replaced by a new design with a matching 6 Channel 1 Watt transmitter. Full details will appear as a constructional feature in the February Issue of this magazine.

CAPACITY-ADD-ON UNIT — What's this? A clever design which enables a Digital Frequency Meter to turn into a Digital Capacitance Meter. Measures from 1pF to lots of uF's. Only two connections needed to your DFM. Complete kit with case & pcb only £14.50. Works off +5 — -1.5v supply.

VHF PRESCALER — the cheapest kit on the market @ £6.50! Divide by 10 prescaler which will raise the upper limit of your counter to 150MHz plus (typically 200MHz). Small, and comes with case.

ANTENNA MATCHING UNIT — the only kit on the market. Suitable for SWL's or QRP (up to 5 watts). Covers 1.5MHz, and intended for end-fed antennas or G5RV types. Match your aerial to your Rx and get more signals through. Easy to build and complete with case. £25.32.

SIX METER CONVERTER — this one isn't available until December, but to whet your appetite it has a 28MHz i.f., is very sensitive, 20dB gain (variable) and easy to align. All coils prewound. PCB and components mounted on it are £14.00, or complete with decast box and BNC connectors @ £19.00

LOW COST TRANSCEIVERS — OUR MOST POPULAR kits with hundreds sold. Two versions — the DSB80 for 3.5-3.8MHz, and the DSB160 for 1.8-2.00MHz. Superb receiver (lots of people have been very complimentary about it) with on-board audio amplifier (1 watt). Double sideband (DSB) transmitter and CW with 3 watts or more output. VFO controlled and +12v operation. All built on one pcb and the kit is complete with slow motion drive, but no speaker or mic (crystal). Price for either kit is £37.45. We also have a punched case for the rig @ £21.65 including hardware, and if you want to go all the way, a Digital Readout (ready built and which will fit the case) @ £24.10 including mounting bezel. All three items for £77.00. IDEAL FOR BEGINNERS or QRP enthusiasts, comprehensive instructions are included. DISCOUNTS for Club purchases of 5 or more.

GET ON TO HF WITH OUR TRANSCEIVERS — if you have a 2 metre multimode transceiver, then you can use all its facilities (memories, scan etc) on the HF bands BOTH TRANSMIT AND RECEIVE. We have two versions, one for 160/80 & 40 metres, and the other for 20, 15 & 10 metres. Either version just plugs in to the VHF rig, and the unit converts to 2 metres on receive, and down to HF on transmit. RF sensing for changeover avoids any mods to your rig. Very sensitive (average is <0.5uV at HF when used with most 2M rigs) and offers 2 watts minimum on Transmit — usually 3 watts (any mode your 2M rig has). compact unit built on 2 printed circuit boards. It also offers direct frequency translation from your VHF rig dial i.e. 14.213=44, 213MHz. Kits come complete with the 3 crystals required. Priced at £72.75 for the 20-10M version, and £74.00 for the 160-40M type. (pcb pair only for either version @ £8.50).

PROJECT OMEGA — we have had an overwhelming response to these kits for a High Performance HF Transceiver, as being described in this magazine, and over 100 people are well into constructing it. Its a bit too complex to describe in full, but offers all HF bands in 1MHz segments, and most of the facilities found on far more expensive rigs. Intended for full break-in CW, but SSB option also available. If you would rather know what goes on in a Black Box, then try building this project. We would not suggest that raw beginners attempt building it though! It is not cheap, but you should be proud of the result. Briefly, kits available so far are: Central IF Processing Unit (69.50), Preselector (11.00), Notch Filter (11.20), Active Filter (15.45), Synthesised VFO (104.00 inc crystals), Frequency Display (31.00), QRP PA (21.00), Logic/Antenna Switch (solid state — 15.45) and Low Pass Filters (29.50). To come are the SSB adaptor, 100W PA, FM and AM units, VHF transverter, In-Line SWR bridge, and a ready punched and screened case. Decast boxes for modules are available separately. PCB's are also available separately for all modules. Full instructions and corrections included. We have a MAILING LIST/NEWSLETTER for this project — ask to be put on it if you are interested.

70CM PREAMP — a low noise, very small preamp which could be built into most rigs if needed. Either built @ £7.90 or a kit @ £5.90.

2 METRE PREAMP — again, very small and low noise. Kits at £4.50 or ready built for £6.50. Ideal for Phase III satellite reception.

All prices include VAT & Post/Packing. Allow 1-4 weeks for delivery if not ex-stock. All kits are complete with components, pcb's (drilled and tinned), wire and comprehensive instructions. Alignment/debug service available. EXPORT — please write for prices. CASH WITH ORDER — MAIL ORDER ONLY. Catalogue and more details on receipt of s.a.e. (large), or phone us.

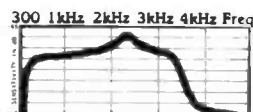


The Key Element

SSB clarity starts at the microphone...

Heil Sound, the company that pioneered proper audio equalization techniques for major performing groups and communicators, invites you to be part of one of the biggest advancements in Single Sideband transmission since the "Donald Duck" vs. AM days. If you are not satisfied with the "sound of your station" — it's no wonder — most "communications" microphones used today were designed for "public address" use, not for sophisticated SSB techniques.

No one microphone can be all things to Hams, so this new



HC-3 element and HM-5 mic were developed *only* for maximum clarity on SSB transmissions. The response of this tiny ceramic element rolls off sharply under 350 Hz and above 3100 Hz with a peak at 2400 Hz for high articulation in the speech range.

Hams who care about maximum results in getting over, around and through DX pile-ups now have another weapon in their arsenal...

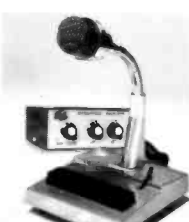
The Key Element! You can easily install this small, advanced HC-3 element, with its broad-range impedance-matching characteristics, into virtually any microphone case you own, or purchase the custom HM-5 with HC-3 installed.

"... Have not yet heard an FT-101 sound any better than when used with The Key Element..." — Paul, G3AWP

"... I now have a comfortable feeling that my audio is better than the rig was originally capable of..." — Ken, W9UBS

"... Thank you for the fine report: all reports to date have been excellent..." — Lee, W1SE

For those who desire the ultimate audio into and out of your transmitter/transceiver, consider the ideal combination of the Heil EQ-200 audio equalizer and HM-5 microphone.



All prices include VAT and Carriage. E. + OE.

For further information, or to order the HC-3 cartridge element at £17.99, the HM-5 SSB microphone at £49.95 or the EQ-200 at £45.95 contact our Sole European Distributor, Amcomm Services Ltd., 194 Northolt Road, South Harrow, Middlesex or Telephone 01-422 9585.



Hearing Is Believing...