

Features:- Offers listening pleasure in FM, MW and 29 SW bands. Crystal controlled PLL synthesizer with double conversion system for stable SW reception. A SW preselector circuit to obtain maximum sensitivity in the desired SW band. Fast and simple station selection for MW and SW with the large 1 MHz. drum dial marked in 10 kHz divisions plus the electronic digital readout to 1 kHz. The FM band has its own tuning knob and dial scale, but no digital readout. Large sized tuning/battery meter-indicator, dial scales and preselector scale are illuminated in AC operation. For DC use they will light up for about 20 sec. by pressing button then go out automatically. Convenient light for note taking in the dark. Three power sources. Wide and narrow band selectivity for MW and SW.

Controls:- ON/OFF power.: Light/battery check button.: AM frequency display button.: FM, MW, SW selector buttons.: Mode selector with wide and narrow band, upper SSB, lower SSB/CW.: SW band selection, outer switch Q, 10 or 20, with inner knob 0 to 9.: AM RF-gain control.: SW preselector 1.6 to 30 MHz.:

Main tuning knob for MW and SW requires 9 turns to traverse the 1 MHz dial.: A scale adjuster is provided to line up the main dial with the digital frequency counter.: Bass, treble tone and volume controls set conveniently below the 4 in. diam. speaker.: Headphone jack takes stereo or mono 8 ohm 'phones.: Earphone, record-out and timer jacks.: AFC switch for FM band.:

Antenna system: Built in ferrite rod for MW plus low impedance external antenna jacks.: 120 cm. long telescopic antenna for SW and FM reception.: External antenna and earth jacks plus a coaxial connection 50 to 75 ohms.: A switch is provided for selecting rod or external use.

Dimensions etc.:- 453 W x 184 H x 227 D.: Weight 5.9 kg.: 6 'D' cells 9 volts set in compartment on top of set.: Output 900 mw for DC operation with 1.3 watts on mains.: Adjustable front feet to tilt the set for table use

Semi-conductors:- 8 IC's, 8 FET's, 53 Tr. including MOSFETs in the RF amp. 4 Ladder type ceramic filters in AM IF stage. FET in MW mixer circuit.

Performance:- As no specifications are to hand on IF's, selectivity or sensitivity, I can only give my opinion. The ICF 6800 is quoted as being a superlative DX receiver. It certainly lives up to that description, only more so ! The readout is 'spot on' and absolutely stable with no backlash in the tuning. No problem using the SSB mode to tune difficult AM signals. Selectivity in the Wide position is rather wide, while the Narrow is optimum for SW, although I feel need of a narrower position. Sensitivity is excellent with no overloading or spurious signals other than those from the internal oscillator deflecting the tuning indicator at 10, 18.6, 20 or 30 MHz.

The SW preselector must be tuned for the desired band otherwise noise and inadequate reception will be experienced. MW reception is very good on an external antenna, while a loop is very acceptable for increased performance. The FM mode which is really only an extra facility tended to overload in USA SSB operation was 'A piece of cake' ! Battery operation check with a 9 volt

low listening level FM drew 50 milliamps.

SSB operation was A piece of variable stabilised input. At a low listening level FM drew 50 milliamps. MW was 65 ma. with SW drawing just on 110 ma. The frequency counter used an additional 90 ma. while the dial lights required a further 100 ma. An interesting check showed that the receiver would still operate down to 4.5 volts on SW and only 3 volts for MW. A truly wide range portable set.

*R. J. [Signature]*