

ALL NEW Clegg 22'er MKII 2 METER TRANSCEIVER

e.t. Clegg associates, inc.

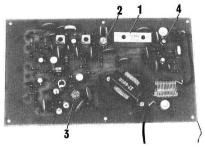
LITTELL ROAD, EAST HANOVER, N. J. 07936 • PHONE: (201) 887-4940

## EXCLUSIVE FEATURES

## SPECIFICATIONS

The MK II contains all the proven established features of the 22er plus:

- 40 Watts, Highly efficient Transmitter
- Self Contained solid state VFO (independent of receiver tuning)
- High Level Modulation with transformer coupled Push Pull 20 Watt Modulator
- Full Band Coverage from 143.4 to 148.4MHz includes MARS, CAP and CG AUXILLIARY frequencies.
- Dual Gate MOSFET FRONT END in all solid state receiver for improved sensitivity.
- Mechanical Filter in Integrated Circuit Second IF for improved skirt selectivity.
- New Receiver frequency conversion scheme for virtually complete freedom from spurious responses.
- Amplified AGC.
- Improved Noise Limiter
- High Quality NOISE CANCELLING MICRO-PHONE SUPPLIED.
- Dual Speed Receiver Tuning Dial



RECEIVER IF and AF MODULE

- 1. Mechanical Filter
- 2, 3. Integrated Circuit IF and AF amplifiers
- 4. Dual Gate MOSFET 2nd MIXER

## TRANSMITTER

FREQUENCY COVERAGE

INPUT POWER

POWER OUTPUT

MODULATION CAPABILITY

**VFO STABILITY** 

RECEIVER

FREQUENCY COVERAGE

SENSITIVITY

SELECTIVITY

STABILITY

AUDIO OUTPUT

AGC CHARACTERISTICS

SQUELCH RANGE

MICROPHONE- (Supplied)

GENERAL

POWER SUPPLY

POWER CONSUMPTION

DIMENSIONS WEIGHT

PANEL CONTROLS

143.4 to 148.4 MHz

35-40 Watts DC Input (115 VAC operationapproximately 32 watts on 12.6 VDC)

15 to 20 watts carrier output into 48-55 ohm

resistive load

90% negative peaks: 120% positive peaks

Flat ±3 db from 300 to 4000 Hz Down approx. 12 db at 120 and 6000 Hz

Less than 800 Hz drift in any 10 minute

period after warm-up

143.4 to 148.4 MHz

Less than .25 microvolt for 10 db S/N

12 ±1 KHz at 3 db KHz max at 40 db

Less than 2 KHz drift per hour

1 watt RMS into internal or external 3-4 ohm

speaker

Output flat to 6 db for input signal range

from .5uv to 10 millivolts

, 5 uv to 500 uv panel threshold range

PTT type, hand held, ceramic, high impedance with Cardioid Pattern.

Self contained universal power supply for 115 VAC fixed station or 12 VDC for

mobile station operation

115 VAC, 60 Hz 90 VA Receiver 160 VA Transmitter

12.6 VDC, 5 Amps Receive

12.6 VDC, 13 Amps Transmit 12½" wide x 5½" high x 11½" deep.

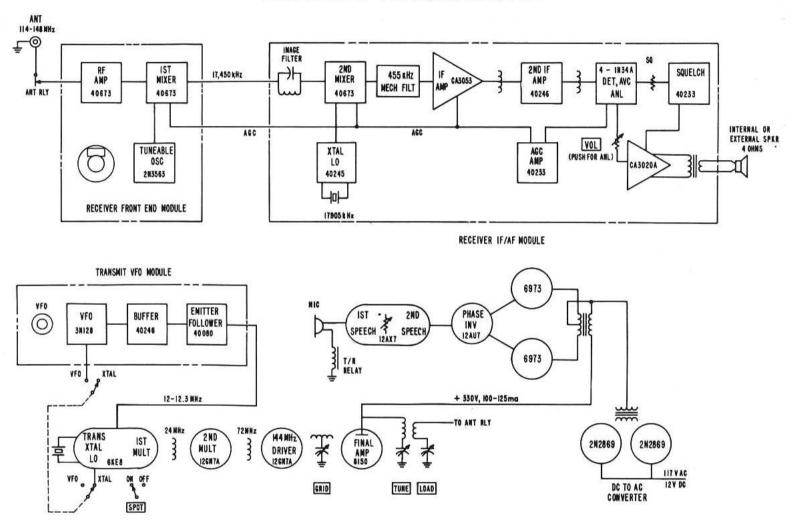
Net: 171/2 lbs. Shipping: 25 lbs.

1) Receiver Tuning, 2) Transmitter VFO

Tuning, 3) Receiver Volume and ANL ON-OFF, 4) Squelch and Power ON-OFF, 5) Spot ON-OFF Switch, 6) Crystal -VFO Switch, 7) AMP Grid Tune, 8) Amp. Plate

Tune, 9) Amp. Load

## **BLOCK DIAGRAM**



e.t. Clegg associates, inc. LITTELL ROAD, EAST HANOVER, N. J. 07936
PHONE: (201) 887-4940