

UHF FM CB (GMRS)

AND HOW TO GET INTO IT

The use of ultra high frequency (UHF) is no new game. FM UHF helps eliminate interference problems with other stations. The transmit power allowed is up to 50 watts and range up to 100 miles is possible, based on mobile-to-mobile contact. 8 frequencies are allowed on GMRS and license application should be submitted on form 400 to the FCC. Contact your nearest FCC field office for details concerning GMRS.

Normally (GMRS) UHF radios are available and are reasonably priced. Most are no larger than a CB. If you do not have a licensed technician, most radios can be ordered on frequency from distributors, dealers, or manufacturers.

There have been some articles on the subject, but most are complicated and leave a person in the dark. Secret CB will attempt to bypass a lot of the "bull and red tape" and explain just how to go about getting into this new field.

STEPS TO FOLLOW:

- (1) Obtain a Bearcat 210 scanner, or equivalent, and monitor the below frequencies:

- Ch. 1 - 462.550
- Ch. 2 - 462.575
- Ch. 3 - 462.600
- Ch. 4 - 462.625
- Ch. 5 - 462.650
- Ch. 6 - 462.675
- Ch. 7 - 462.700
- Ch. 8 - 462.725

Monitor for at least 3 days or so and find a channel not used or not busy in your area.

- (2) Apply for FCC license on Form 400 to the FCC or contact:

Mr. Jim Campbell
Communications Advisors of Texas
P. O. Box 4177
Corpus Christi, Texas 78408

or phone: 512/992-8425

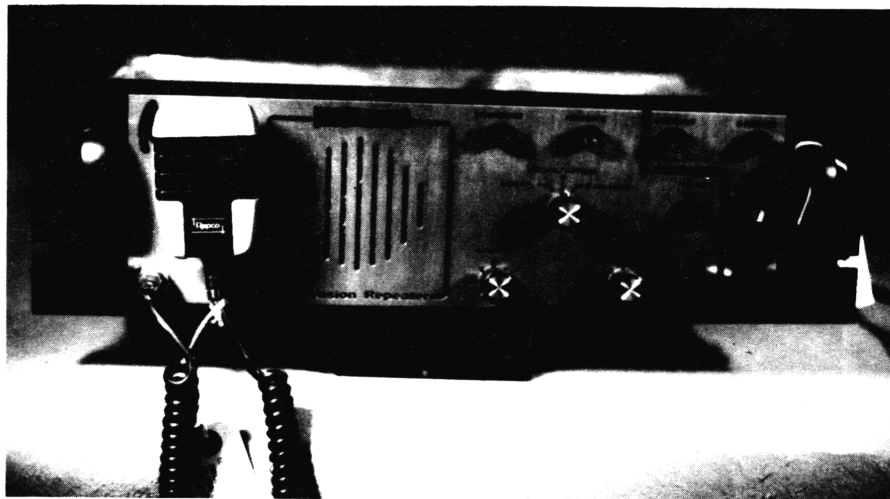
He can take all the hassle out of all the FCC licensing work and design a radio system for your needs. Jim normally charges approximately \$50 a license to file for you. You might give him a call as to your FM 2-way communications needs.

UHF FM CB (GMRS) (CONT'D)

(3) Apply for license after you have obtained permission or have a location for your repeater. Normally a tower will be available for you to rent space on. Again, I suggest calling Jim for more information.

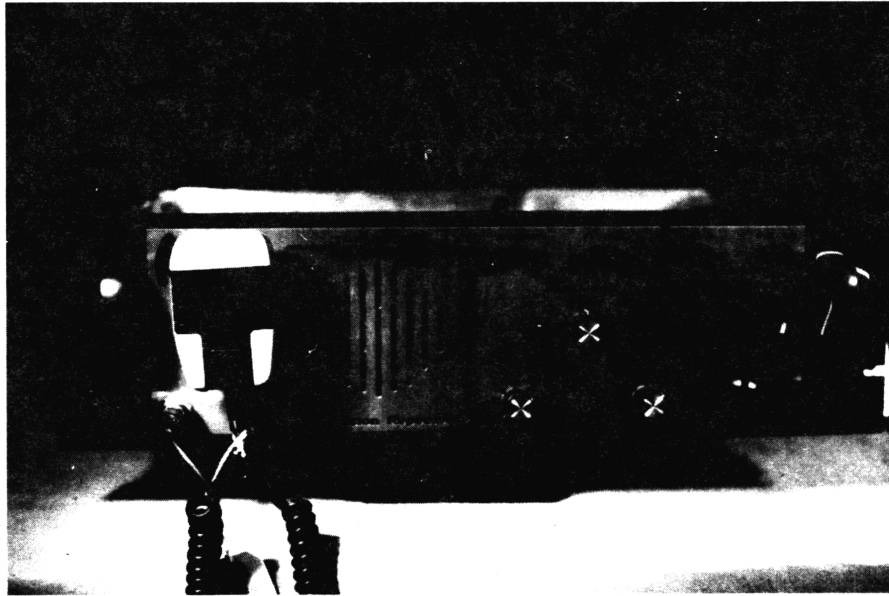
Below is (GMRS) Frequency channelization:

CHANNEL MODE	OPERATING FREQUENCY (MHz)		
	TX	-	RX
REPEAT	467.550	-	462.550
DIRECT	462.550	-	462.550
REPEAT	467.575	-	462.575
DIRECT	462.575	-	462.575
REPEAT	467.600	-	462.600
DIRECT	462.600	-	462.600
REPEAT	467.625	-	462.625
DIRECT	462.625	-	462.625
REPEAT	467.650	-	462.650
DIRECT	462.650	-	462.650
REPEAT	467.675	-	462.675
DIRECT	462.675	-	462.675
REPEAT	467.700	-	462.700
DIRECT	462.700	-	462.700
REPEAT	467.725	-	462.725
DIRECT	462.725	-	462.725

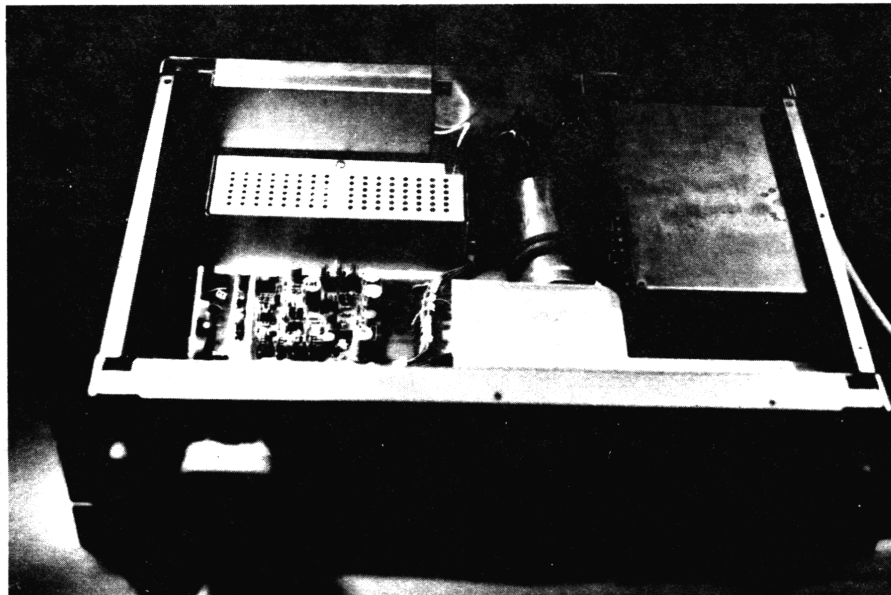


THE REPCO REPEATER

SHOWN WITHOUT CABINET DUPLEXOR

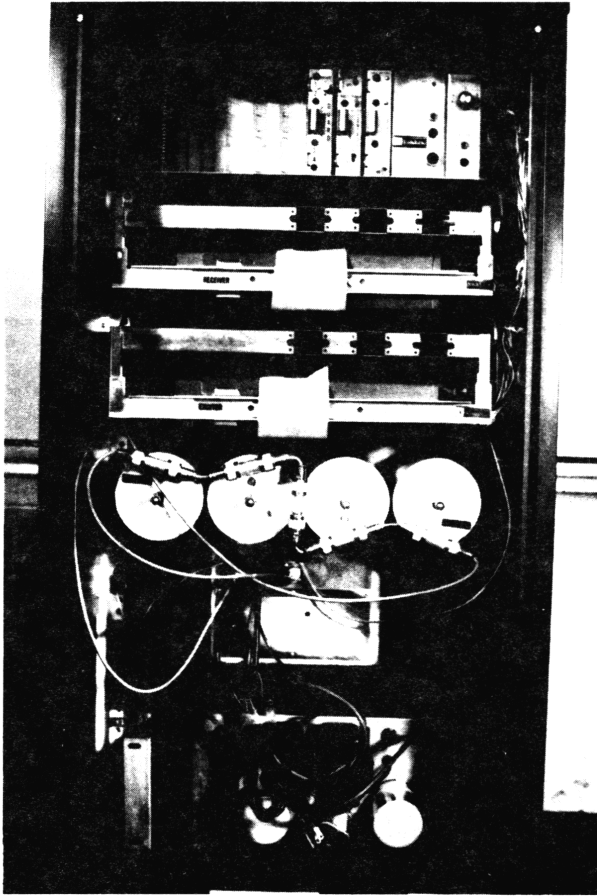


This is the REPCO Repeater, hailed to be one of the finest on the market in its price range. Featuring all modular construction, 100% solid state, time-out timer, automatic transfer AC to DC, and more. Power output is 25 watts.



INSIDE THE REPCO REPEATER

TYPICAL UHF GMRS OR BUSINESS BAND REPEATER



TONE BOARDS, TIME OUT
CIRCUITS, ETC. NOTE
PLUG-INS TO HOLD AD-
DITIONAL TONE BOARDS,
EACH PLUG-IN HAS 4 TONES.

TRANSMITTER

RECEIVER

DUPLEXOR

POWER SUPPLY

JOHNSON CR1000 UHF
REPEATER

YOU CAN PUT UP TO 16 COMPANIES ON EACH REPEATER AND CHARGE EACH COMPANY UP TO \$45 A MONTH AND MORE, DEPENDING ON USE AND HOW MANY MOBILES. EVEN THOUGH THE JOHNSON REPEATER COSTS A LITTLE MORE, ITS AN EXCELLENT TROUBLE-FREE UNIT. INTERMODULATION IS ALMOST NON-EXISTENT. THERE ARE MANY FINE REPEATERS ON THE MARKET, THE CHEAPER THE UNITS THOUGH, MEANS MORE FAILURES AND/OR INTERMODULATION PROBLEMS.