

FCC EASING CB CRACKDOWN?? PAGE 62!

\$9



the citizens band journal

DECEMBER 1965

- SOUP UP ANY CB RIG—EASY!
- ALL ABOUT CONVERTERS
- BUILD A MINIATURE "SPY" RECEIVER
- 94 CARD SWAPPERS IN 33 COUNTRIES
- NUTTY CARTOON FEATURE
- LIST OF COAST GUARD RADIO STATIONS
- WIN A FREE SUBSCRIPTION



The OFFICIAL CB RADIO MAGAZINE

Now — revolutionary, field-proven "scanner" antenna for 25-50 Mc. and 150 Mc. bands!



Rotate the beam, not the antenna. Instantaneous, positive control over your mobiles!

PROFESSIONAL SCANNER

electronic, sector-phased
omni-beam antennas

PAT. PENDING

Scan control unit has Monitor (omni) position, indicator lights for direction-in-use.

Write for complete data, including radiation patterns.

- Omni-directional position, plus full-circle scan coverage.
- Rotate beam electronically, instantly. No mechanical rotator needed.
- 6 db gain *, min. 18 db front-to-back ratio in beam mode.
- Rugged aluminum construction. Stress-designed to withstand 100 m.p.h. winds.
- Power rating: 500 watts.
- Every unit individually tuned to your exact frequency, and receives mandatory system checkout.

* Ref., drooping ground plane



**the
antenna
specialists co.**

Div. of ANZAC Industries, Inc.

12435 Euclid Ave., Cleveland, Ohio 44106

Export Div., 64-14 Woodside Ave., Woodside, N.Y. 11377

"Stripes of Quality"®



SMALL PACKAGE



INTERNATIONAL Model MO TRANSCEIVER For CITIZENS RADIO SERVICE

- New Compact Size
- New Solid-State Crystal Switching Circuit
- New Photo-Control Volume Circuit
- New Remote Control With Matching Microphone



The International Model MO Citizens Radio transceiver, custom designed for mobile installation, provides instant push-to-talk crystal controlled operation on any 6 channels with full 5 watts power input. The new compact control head provides complete remote controlled operation. All circuits are dc using solid-state crystal switching. The operating channel is indicated by an illuminated button on the control head. Tubes and silicon transistors are combined to provide a rugged trouble-free circuit.

The complete transceiver includes: a remote control head (about the size of a cigarette package), matching white microphone, new compact transmitting/receiving unit which may be conveniently installed in the trunk, and a matching white speaker which mounts under the dash. Operates from 12 vdc negative ground power source. Other power input units are available on special order.

See the "all new" International Model MO at your dealer today.

FCC Citizens Radio license required. All use must conform with Part 95, FCC Rules and Regulations.



CRYSTAL MFG. CO., INC.

18 NO. LEE · OKLA. CITY, OKLA. 73102



the citizens band journal

14 Vanderventer Ave., Port Washington, N. Y.

FEATURES

KBG4303 RIDES AGAIN Tom Kneitel, KBG4303 7
 This month on a sled.

FRONT END SURGERY George Webb, KEJ7214 9
 Swap one tube and soup up your rig!

THE "007 SPECIAL" SHORTWAVE RECEIVER John G. Borkman, 12W1919 12
 A Micro-Miniature CB and spy set.

KONVERT THAT KILOCYCLE Robert McAire, KIC7608 15
 Instant shortwave reception.

FESTIVAL OF FOREIGN CARD SWAPPERS 20
 94 swappers in 33 different countries.

THE S9 BRAIN BUSTER 25
 Try for a FREE subscription to S9!

S9 TESTS THE RAY-TEL TWR-7 RIG 29
 A new compact transceiver.

"BREAK BREAK! !!" KK 32
 Atop our "most wanted" list in a reader poll.

ALL ABOUT DECIBELS Len Buckwalter, KBA4480 35
 Those little "DB's" made easy for you.

LIST OF U.S. COAST GUARD LAND STATIONS 37
 For your CB and SWL monitoring station use.

FCC EASING UP ON CB'ers? ? ? 62
 Looks that way, at least.

DEPARTMENTS

Reader Mail 4

Editorial/Tom Kneitel, KBG4303 7

On The Counters 27

Lab Reports 29

Suzie Sez/Susan Henriksen 34

Antennas/Len Buckwalter, KBA4480 35

SWL Shack/Rick Slattery 40

CB Chit Chat/John Krejc, KBI8077 42

Card Swappers Unlimited 56

Washington Outlook 62

EDITORIAL STAFF

- editor* Tom Kneitel, KBG4303
edit. assistant Lilia Neira, N-1812
asst. editor Susan Henriksen
club editor John Krejc, KBI8077
contributing editor Lee Aurick, KCD5514
part 15 editor Dean Detton, N-17
contributing editor Jim Kyle, KEG3382

BUSINESS STAFF

- adv. representative* Dick Cowan
adv. representative Jack Schneider, KMD3272
circul. mgr. Hal Weisner, KBG4528
publ. consultant David Saltman

S9 (title registered U.S. Post Office) is published monthly by Cowan Publishing Corp. Executive, editorial and advertising offices at 14 Vanderventer Avenue Port Washington., L. I., N. Y. 11050 Telephone: (516) PO 7-9080
 Subscription Rates: One year \$5.00, two years \$9.00, three years \$13.00 in United States and Possessions, APO, FPO, and Canada.

Printed in U.S.A. Entire contents copyright 1965 by Cowan Publishing Corp. S9 does not assume responsibility for unsolicited manuscripts. We regard all material sent to us in CB club publications as being intended for publication in S9 as a public relations gesture of the club. We cannot pay for the use of this public relations material, although we do pay for editorial material which is specifically written for us and accepted for publication.

Controlled Circulation Postage Paid at New York, N. Y.

POSTMASTER: SEND FORM 3579 TO: S9, 14 Vanderventer Ave., Port Washington, L. I., N. Y. 11050.

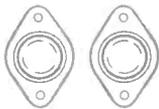
A Best Buy That's Become A Best Seller!



23 CHANNEL DUAL CONVERSION CB

All crystals provided for 23 crystal-controlled transmit & receive channels!

WIRED ONLY
\$169.95



Transistorized
12 VDC & 117 VAC
dual power supply
eliminates vibrator
hash

Rugged 5-watt CB transceiver with "space-age" 23 channel frequency synthesizer. Gives you bullseye two-way communication in both fixed and mobile locations with equal ease. At your dealer now, the EICO Sentinel 23 (Model 779) is the new CB rig with every wanted and useful feature!

- Super-selective dual conversion superhet requires only $\frac{1}{4}$ μ V for 10db S/N.
- Crystal-controlled 6mc IF and three 455kc IF's.
- Effective automatic impulse noise limiter, wide-range AGC.
- Delta tuning for receiving off-frequency transmissions.
- Adjustable squelch and standby switch.
- Illuminated "S" meter/RF output meter.
- Single knob channel selector with illuminated dial.
- Converts to 3.5 watt PA system with remote speaker.
- TURNER 333 noise-cancelling ceramic p-t-t mike.
- Headphones/external speaker jack.
- Scuff-proof textured blue vinyl finished steel cabinet.
- Anodized extruded aluminum panel with polished edges.
- Black anodized, machined aluminum knobs.
- Convenient mobile mounting brackets.

EICO

Send for FREE Catalog describing the full EICO line of 250 best buys including Test Instruments, Stereo Hi Fi Components, CB and Ham Gear. EICO, 131-01 39th Ave., Flushing, N.Y. S9-12



THEY LOVE US IN L. A.

Gentlemen:

We received four issues each of your September and October issues and were SOLD OUT in a matter of MINUTES! Since we are dealers in CB radio equipment, we have a lot of calls for this type of magazine. Therefore, we must have a better plan, such as you offer to magazine stands, etc. We want at least twelve copies of each monthly issue, until notified, and we need (IMMEDIATELY) at least six more copies of the current issue.

H. W. Sargent
Spectrum Engineering
12615 Venice Boulevard
Los Angeles, Calif. 90066

Hey gang, let's have some fun. EVERYBODY in the Los Angeles area rush over to Spectrum and buy them out of S9's as soon as they go on sale. If he's out of copies, buy everything in sight—strip his shelves bare. Make him spend a small fortune in postage trying to keep things in stock! Aren't we devils?

COMMENT, ETC.

Dear Tom,

Please send me one of the S9 "Achtung" certificates with the jazzy Gothics lettering and also a membership in the ACDA (#9987 if possible).

What about running some of those real "mad" type things which you had last year? And shame on you for saying that it's *In* to talk to Suzie about "PJ's Club" unless you're under 21, in which case it's *Out*. Couldn't you lower the age limit to 18? I'm 18. I would hate to start an irate march on S9, so you'd better change the rules.

About that reader who said that it must have taken you an hour to copy the August cover—he didn't know what he was talking about. I'll bet you did it in less than ten minutes and, no, I wouldn't care for a fat lip (but the President of a certain "national CB club" is cruising for one, if you ask me).

Larry K. Phillips, KDB4379
Smyrna, Ga.

READER MAIL

Want "mad" type things? OK, from time to time we'll bring them back. How about the "Break-Break!" in this issue for a kick-off? As for Suzie—forget her, she has left a string of broken hearts and melted ground planes all the way from KFC to KBC!

CB'ER IN THE THICK OF IT

Dear S9'ers,

KKX8860 from Oxnard, California, is in Vietnam. It would be nice if CB'ers sent him a card to say hello to a guy who can probably think of a number of places he'd rather be right now. Postage rates for him are standard domestic rates. His 10-20 is: Sgt. Jerry P. Preskitt, 1633348; H-2-9 3rd Marine Division, F.M.F.; Marine No. 25, F.P.O., San Francisco, Calif. 96601.

KLD1507 & KDI3644

Good idea; especially during the holiday season it gets pretty lonesome for a G.I. overseas. Don't expect to get a card back from Jerry, he's probably quite busy.

CROOKS BEWARE?

Dear Tom:

Ever since I had a CB unit installed in my car I have always had the fear of the rig being stolen. If I go to the grocery store down the street, I leave the car locked. I only go to parking lots where they permit me to lock my car. However, even if someone *did* try to steal my CB rig, I have it mounted so that it would take *some* time before it could be removed.

In the September issue of S9 I saw the "Warning" sticker you had printed. I cut it out and pasted it on the windshield.

Last night I drove to a neighborhood tavern to say hello to some friends. While enjoying my companions I heard the shattering of glass. When we (the patrons) ran out to see what happened, two boys were running down the street with bricks in their hands. Two men overtook the boys and returned them to us. When questioned as to why they wanted to steal the radio inside, they replied, "What radio? We just wanted to hear the burglar alarm go off." They were ten and eleven years old.

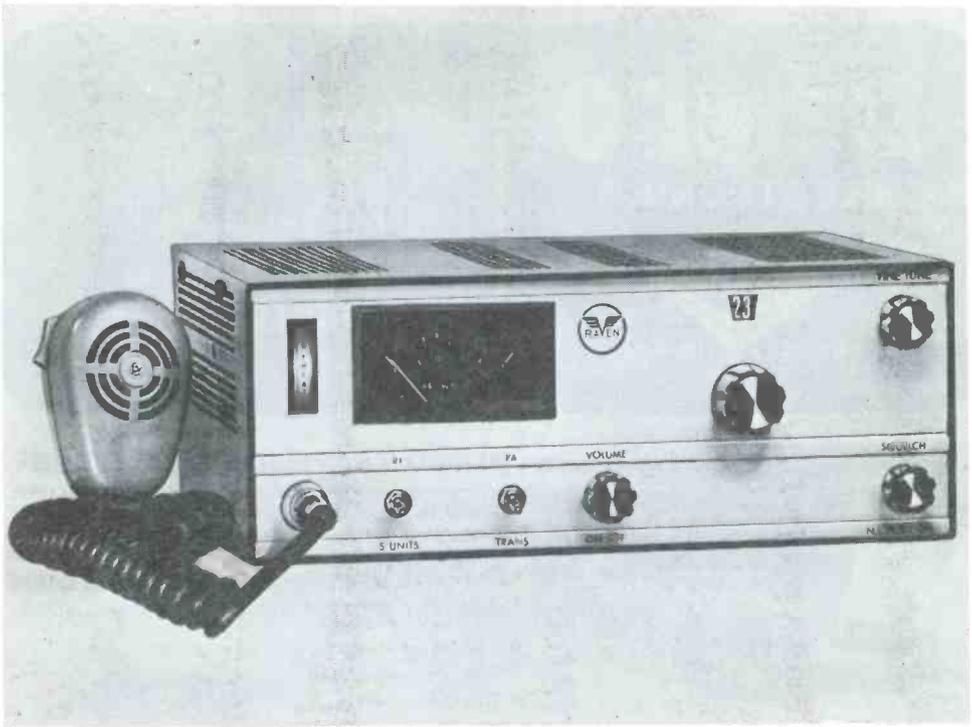
The parents of the boys took care of the kids in proper style and also for the damage which was caused. By the way, that time the doors were unlocked.

Roland W. Soos, KNJ6562

(A girl's dream come true, loved by all, well built, modest, good looking, charming; a perfect man.)
South Bend, Ind.

If it were my car, I would have tried their heads to hear the alarms go off.





The Browning Raven is something to rave about!

Everybody's talking about the new Raven CB mobile unit. And no wonder! Browning has come up with a real gem that not only looks good but delivers absolutely the finest performance you can get in modern CB circles. This little giant is only 4" high by 10 3/4" wide by 8" deep. It has 23-channel crystal control transmit and receive. For super-quiet operation, there's a new noise limiter and for superior sensitivity there's a dual Nuvistor front end. And talk about good looks . . . the Raven has a black leatherette exterior and a recessed front panel in brushed chrome satin finish. See it now at your franchised Browning Service Center. Buy it and you'll rave about the Raven, too.

Please send me literature and price information on the Raven CB mobile unit.

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

CALL LETTERS _____

S-9



browning
LABORATORIES, INC.

1269 UNION AVENUE, LACONIA, N. H. 03246

DEMCO ELECTRONICS



**SPECIALISTS IN—
CB TRANSCEIVERS
WALKIE-TALKIES
ANTENNAS AND
RELATED EQUIPMENT**



DEMCO TRAVELIER MOBILE/BASE

Deluxe model with 23 crystal-controlled transmit channels; variable 23-channel, four-crystal receive tuning. Powerful 18-tube performance. Full modulation and extra sensitivity for greater range and talk-power..... \$180.00

AC POWER SUPPLY for base station use..... \$ 19.95

AUXILIARY SPEAKER — plugs in, no wiring.... \$ 9.95

DEMCO RAVELLE MOBILE/BASE

Provides optimum performance for mobile or base operation on choice of any six CB channels. Crystal-controlled transmit and receive. Built-in AC and DC power supplies. Extra sensitive circuit design; 12-tube performance..... \$124.50

CONTROL HEAD extends tuning to 23 channels. Also has P.A. and remote monitoring features. Plugs into Ravelle transceiver \$29.50

BULL HORN SPEAKER—weather-proof with swivel mount, 7½ watts..... \$27.00



DEMCO SATELLITE BASE

Complete base station with superlative characteristics. Has 23-channel crystal-controlled switching. Receiver has five fixed channels with 23-channel variable tuning; 20-tube performance. Separate speaker and POWER/SWR meter..... \$295.00



DEMCOPHONE WALKIE TALKIES

Powerful 11-transistor units with squelch controls and battery indicators. Complete including cases, earplugs and batteries. Per pair \$79.50

INTERCOM ADAPTER operates on 115/120v AC..... \$12.50

ALSO—
Power Amplifiers
DC Power Supplies
Power Modulators
and All Types of
Antennas and Mounts.

SEND—
For Descriptive
Literature — Today!

KBG4303

rides again!



Write to our advertisers for special product news

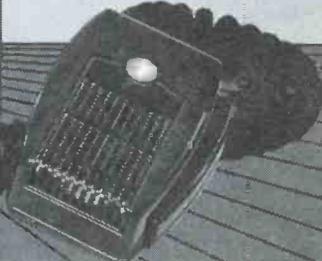
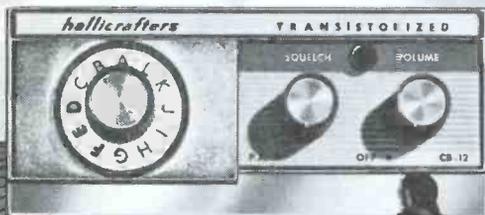
December 1965 • 7



hallicrafters now brings you
a new measure of CB transceiver performance—

Maximum Effective Range

Announcing a major breakthrough in noise reduction... new techniques in talk power... combined to provide more miles per watt than ever before!

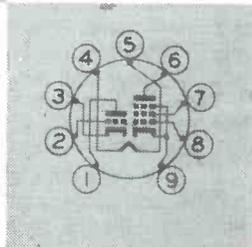
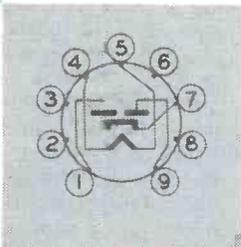
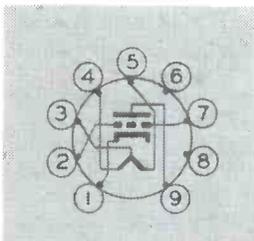
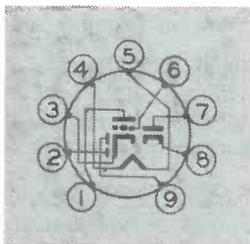


The quiet one... the powerful one... the compact one... the one with 12 channels, a built-in P.A. system and illuminated channel selector... the *all-solid state*

CB-12

**Solid State—12 Channel
Citizens Band Transceiver**

Hallicrafters • 5th & Kostner Aves. • Chicago, Illinois 60624
Export: Int'l. Div., Hallicrafters • Canada: Gould Sales Co., Montreal, P.Q.



FRONT END SURGERY

CHANGE ONE TUBE AND SOUP UP YOUR CB RIG

by GEORGE WEBB, KEJ7214

CB design engineers don't have much fun—they've got problems. Take, for instance, the "front end" section of a CB receiver—that's the portion of the set which "sniffs" the received signal from the ether and then amplifies it for the rest of the set's components to work on.

They've got to make compromises. If they use an ultra-sensitive tube, it will overload on strong local signals. If they use a tube which will not overload easily, then obviously it will lose some of those weak ones in the mud.

Sometimes they design a set and after the unit goes on sale, a new and better "front end" tube becomes available.

They have to select a tube which will offer the proper combination of gain ("mu"), internal noise level, transconductance (the higher the transconductance, generally the better the tube), and then decide on either a "sharp cutoff," "remote cutoff," or "semi-remote cutoff" tube to function with the AVC circuit.

That's like juggling apples, pears, bananas, and rhubarb and expecting to come up with a fruit salad which will please everybody. So the rural user, who has no locals with which to contend, gets a rig which won't overload from locals (because there aren't any locals there) and which might let a deep

fringe area station slip into limbo. And the city user gets a set which (most of the time) won't overload and can hear 'em out in the boondocks (even though he is mostly interested in concentrating on strong locals).

So how do the country boys un-citify their rigs, and how do the slickers take the alfalfa from their operating. It's possible much of the time. Even if you don't want to do much more than just "soup up" your receiver to get a few more S-units out of your usual receiving pattern, we can probably help you.

After considerable tube-plugging and tube-unplugging, taking readings of S-meters, listening to noise levels, getting general overall impressions of receiver functioning with various tubes in the "front end," I have come up with some findings which you may find of use. I haven't tried these substitutions in each and every rig, so there is some slight possibility that in a few isolated rigs, these substitutions will not perform as expected. They can't do any harm, anyway—and in 99% of the cases, will undoubtedly improve the situation. No wiring changes will be required, just pull out the tube presently in the "front end" of your rig (look on the schematic for the receiver section, and then for the "R.F. Amplifier" tube) and plug in the new one.

The tube in bold face type is the one pres-

ently being used as your R.F. Amplifier, and the comments and suggestions which follow are my own.

6AG5. If your set overloads from locals, replace the 6AG5 with a 6BA6. If your happy with the 6AG5 but want generally better performance, replace it with a 6AH6 which has more gain and a higher transconductance.

6J6. A type 5964 or 6101 should improve reception slightly, a type 6045 to a somewhat greater extent. The 6J6 is pretty good to begin with and fantastic improvements from substitutions will not be forthcoming.

6BC5. If your set has a B+ of 250 volts, you may find that a 6AG5 will provide a little less noise level but not much advantage in gain. For sets with about 125 volts of B+, a 6CB6 will do the same as the 6AG5 does for the sets with the higher voltage.

6CB6. If you have overloading problems, try a 6HQ6 (if you can find one) or a 6BZ6. For generally improved reception, try a 6DE6 or a 6DK6. In a Hallicrafters SX-101A receiver, a 6DE6 was substituted for the 6CB6 and I noted a reduced background noise combined with S-meter readings which were up by 20 DB. A 6DK6 did even better.

6BQ7. A 6BZ8 or 6BK7 should improve reception.

6BZ7. As above, take a chance on a 6BZ8 or 6BK7 for some improvement in gain and reduction in noise.

6DJ8 or 6ES8. If you can find one still around (RCA discontinued production recently) try a 6FW8. Even rarer than a 6FW8 is a 6KN8, which improved reception considerably.

6BD6. A type 5749 will improve the situation. If you aren't too concerned with locals overloading your receiver, a 6BA6 will do even better.

6BZ8. It's a real good tube—you can experiment to see if a 6BK7 will be a little quieter at the sacrifice of a tiny bit of gain.

6BS8. You'll probably find that a 6BK7 or 6BZ8 will bring an improvement in gain and noise reduction.

6CG8. A 6FG7 will give a little soup to your rig.

6BK7. A 6BZ8 could make with a little better gain, but might not be as quiet.

6BJ6. A 6BH6 should improve the whole situation. A 6BA6 will probably help, but to a lesser extent.

6BA6. If you don't have strong locals that can cause overload and cross-modulation, try the following (in order of my personal preference): 7543, 6AU6, 6AH6, 6136, 6BC5. For generally improved reception, take a chance on a 6661.

6BZ6. If you don't worry too much about strong locals, you'll enjoy the results from a 6DK6, or secondarily, a 6DE6. In a Heathkit Mohawk receiver, the 6BZ6 was pulled and a 6DE6 inserted with a resulting 2 S-unit increase on all bands. In 11 meters, weak signals were up and the noise figure was better (on a meter). For generally improved reception, try hard to dig up a 6HQ6—but it won't be an easy one to locate.

6DC6. A 6BH6 will have considerably more gain but might overload from nearby locals.

6BH6. For equipment having a 250 volt B+, nothing will do any better. For sets running 100 to 150 volts B+, a 6AS6 will give better gain.

6AU6. A 6AH6 will improve most sets.

6SG7. A 6AC7/1852 will improve things greatly. This substitution was tried in a number of communications receivers (including Hallicrafters SX-99 and S-85 sets) with amazing results. May cause overloading on strong locals. You'll get somewhat less improvement, but also less overloading with a 6SH7.

6SK7. We always liked a little war surplus tube called the 717A as a substitute for this one. They're about 70¢ and are still common at radio surplus shops. A 6AB7/1853 will also do a better job than a 6SK7—or even the 717A. Improvement will be noted also with a 6SH7 or 6SG7. If you don't have strong locals around, go whole hog with a super-hot 6AC7/1852 and LIVE!

6SS7. If you don't have loud locals, drop in a 6AC7/1852.

6AH6. Leave it alone, I never could find a better tube as a direct substitute.

So there are the secrets of considerable time and research. You may not be able to justify these results by the specs for these tubes in the manuals and handbooks, but I guess that if we all lived by spec sheets alone, there would be no experimentation in electronics. In the sets I used (a wide range of CB rigs and communications receivers), these substitutions were worthwhile, to the extent I have indicated.

♥♥ We Would LOVE To Show You Our QSL Card Samples ♥♥



WE HAVE THE FINEST QUALITY, FULL-COLOR QSL CARDS. OUR ART AND PRINTING IS OF THE HIGHEST ORDER! ALL CARDS PRINTED ON GLOSSY STOCK.

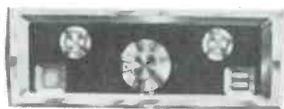
FRANK B. MATHEWS
Advertising Art
1616 RURAL STREET
ROCKFORD, ILLINOIS

SEND NOW FOR FREE SAMPLES

Congratulate yourself for holding out!

Now from Courier!

The world's smallest, most sensitive, most powerful transistor CB line!



6 Channels *COURIER TR-6

6" W x 6 $\frac{3}{4}$ " D x 1 $\frac{7}{8}$ " H

■ SILICON TRANSISTORS. Illuminated channel selector. Auxiliary speaker jack. 4" oval speaker. Transmit indicator. External channel socket. Top or bottom speaker mount. Channel 9 crystals. **\$129**

12 Channels *COURIER TR-12

5 $\frac{3}{4}$ " W x 5 $\frac{3}{4}$ " D x 1 $\frac{5}{8}$ " H

■ SILICON TRANSISTORS. Collins filter. Illuminated S-RF meter. Illuminated channel selector. PA System. Auxiliary speaker jack. Modulation indicator. Channel 9 crystals. **\$169**

23 Channels *COURIER TR-23

6" W x 7 $\frac{1}{2}$ " D x 2 $\frac{1}{2}$ " H

■ SILICON TRANSISTORS. All crystals supplied for 23 channels. Illuminated S-RF meter. Illuminated channel selector. PA System. Auxiliary speaker jack. Single knob tuning. Modulation indicator. **\$209**
(Delivery, Dec. 15, 1965).

**FOR THE ULTIMATE
IN BASE STATION
OPERATION!**

RANGE EXTENDER COURIER-23

■ 23 Channels ■ Dual Conversion
■ Transistor Power Supply ■ Includes all crystals, mounting brackets, power cords and noise-cancelling microphone. **STILL \$189.50**

World famous manufacturers of quality CB and BB equipment, including Courier 23, Courier 1M, Courier 30 B, Fleet Courier, Port-A-Lab, Transistorized Power Supply, Linear Amplifier.

*All units include: Microphone, Mounting Brackets, DC Cord, Chrome Cabinet. PLUS exclusive Courier circuit protection against mismatched antenna, incorrect polarity, and overload.

AC POWER SUPPLY for above units \$29.95



e.c.i. electronics communications inc.

56 Hamilton Ave.
White Plains, N. Y.

Yes! I'd like to know all about Courier's new 6-12-23 Channel SILICON-TRANSISTOR CB line!

Name _____

Address _____

City _____ County _____ State _____

THE "007 SPECIAL"

A MICRO-MINIATURE SUPER-COMPACT CAPSULE-SIZED COMMUNICATIONS RECEIVER FOR THE SUPER SPY—FOR \$7!

by JOHN G. BORKMAN, 12W1919

Receive messages from "M," tune in on CB, military transmissions, aeronautical weather broadcasts—even on secret spy broadcasts. Tune frequency bands from 200 kilocycles through 30 megacycles. Do it with a receiver so tiny that it will fit in the palm of your hand and slip silently into your coat pocket when not in use—it can even be used while still in your pocket. Best of all you can build it—the "007 SPECIAL"—for somewhere in the neighborhood of \$7 (28 Deutsche Marks, or 203 Portuguese Escudos).

This thing really is tiny—we designed it that way—and it has been successful in dragging in stations over long distances. Even if you're not a spy, it makes a nifty little receiver for broadcast, shortwave, and CB use.

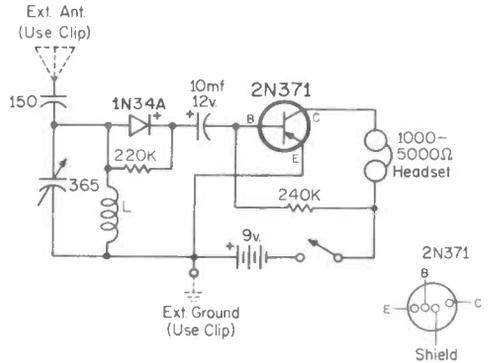
CONSTRUCTION

Building it is a snap. Our parts list shows detailed component names to help you in using the smallest parts available at realistic prices. Actually, you can use any components with equivalent values, regardless of size, should you not be too concerned with micro-miniaturization. Since a few of the particular parts suggested on our list might not be readily available to you, and a substitute is used, you'll have to round up all of the parts you will use before you select a suitable container. I was able to squeeze all of the parts in a metal cigarette box case—and still have some room to spare!

The 240K resistor in the circuit is a tentative value and is open for some experimentation—it might give you optimum gain with values ranging from 100K to 1 Megohm. What I did was to build the circuit and insert a 1 Meg pot where the resistor goes. Adjusting the pot for maximum headset gain, I used an ohm meter to get a reading on the pot at its final setting. It turned out to be 240 K.

You will note that there is an 150 uufd capacitor in the antenna circuit. If you want a little sophistication in your "007 SPECIAL," you can replace this with a 180 uufd trimmer (like the Lafayette 34-6831) to enable you to peak the antenna.

The headset can be any magnetic or dynamic type with an impedance ranging from 1000 to 5000 ohms. *Don't* use a crystal type.



PARTS LIST

- 365 uufd variable capacitor (Lafayette 99-6217)
- 150 uufd mica or ceramic capacitor (Centralab CE-151) (see text)
- 10 ufd, 12 v., electrolytic capacitor (Sprague TE-1128)
- 220K resistor (Lafayette 99-6193)
- 240k resistor (Lafayette 99-6193)
- Coil (see text)
- 1N34 diode (Lafayette 19-4901)
- 2N371 transistor (Lafayette 19-1502)
- 9 volt battery (RCA VS-323)
- Headset (Argonne/Lafayette 99-2542), 5000 ohm magnetic
- SP5T switch (Switchcraft 963)
- 2 clips (Mueller 45C)
- Battery clip (Lafayette 34-1003)
- Misc. wire, metal case

The coil will vary with the frequency range to be covered, and I have prepared a little chart showing the approximate frequency ranges of the various coils to be used with the "007 SPECIAL." Companies suggested are J. W. Miller and James Millen Co., both companies sell their coils through local distributors and also national mail order houses.

Frequency	Inductance	Miller	Millen
200 - 820 kc/s	1.2 mh	70F123A1	J300-1200
600 - 2200 kc/s	180 uh	70F184A1	J300-180
2 - 5 mc/s	18 uh	70F185A1	J300-18
4 - 13 mc/s	4.7 uh	70F476A1	J300-4.7
8.5 - 30 mc/s	1 uh	70F106A1	



ASTATIC offers **2** new SUPER TALK POWER MIKES



for CB, Ham and other communications

Model 531

A top performer at low cost. Response characteristic carefully calculated to give maximum clarity and intelligibility; minimizes interference in adjacent channels.

Model 539

A high quality true noise cancelling microphone with lip guard positioning at low, low list. Features 360° differential cancellation of background noise for sharp, clear speech. Lip bar maintains uniform close spacing necessary for consistent modulation and maximum cancellation.

Both microphones high output — 50 db. Hi-Z ceramic element has wide temperature tolerance and immune to humidity. Completely shielded for minimum hum pickup. DPDT switch gives both signal and relay control. High impact case has rectangular hangup bracket — will not rattle or scratch mounting surface.



*See your distributor
or write us for
complete information.*

ASTATIC CORPORATION CONNEAUT, OHIO 44030 U. S. A.

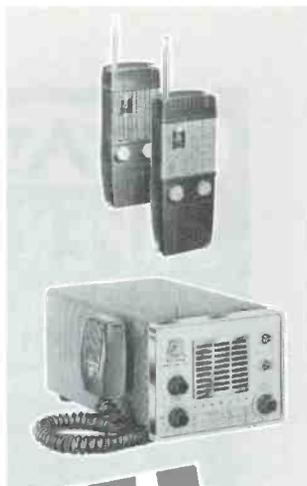
In Canada: Canadian Astatic Ltd., Toronto, Ontario

Export Sales: Roburn Agencies, Inc., 431 Greenwich Street, New York 13, N. Y., U. S. A.

*The BIG Difference in
Citizens Band Units is...*

JOHNSON'S

**UNMATCHED
RELIABILITY!**



For personal or business use, no other equipment equals the day-in day-out dependability of Johnson "Messenger" Two-Way Radios. "Messengers" are designed to deliver maximum performance, even under extreme operating conditions. Before you buy—take a long look at the Johnson quality line—or better yet, talk to any "Messenger" owner. You'll see why dollar for dollar, Johnson is your best buy! Easy to install, easy to operate, license issued on request.

*See your nearest
Johnson Dealer/Distributor
or write for complete information.*



E. F. JOHNSON COMPANY
WASECA, MINN. 56093 • 7052 TENTH AVE. S. W.

KONVERT THAT KILOCYCLE!

YOU GET "INSTANT RECEPTION" AT LOW COST
WITH A RECEIVER CONVERTER

by ROBERT McAIRE, KIC7608

Some years ago there was a CB rig on the market from an outfit called Philmore—maybe it is still available, but I haven't seen one for a few years. This was a two part unit, one portion being a self-contained CB transmitter (a nice one, too!) and the other was a *converter!* Not a receiver, but a *converter!* So far as I know, this was the only commercial venture ever made into CB of such a nature. Apparently Philmore figured that it would be a method of enabling the CB'er to get on the air for less money if he didn't have to buy a complete receiving setup—a converter is quite a bit cheaper.

What a converter does is to pick up the CB signal and then convert it (or "translate it") to a frequency which lies within the standard broadcasting band. It then re-transmits this new frequency into the antenna terminal of your car's regular broadcast receiver. Although most people don't realize it, an automobile radio is one of the most sensitive radio receivers available to the consumer—perhaps you have noticed how well a car receiver can pull in distant broadcast stations at night (using only a telescoping whip antenna) while your larger home receiver struggles along—even with a long-wire antenna. Suffice it to say, that a car receiver coupled to a good converter is equal to, or better, than quite a few of the receivers included in CB rigs. Many CB'ers have found this out and have "gone over" to this method of CB reception.

Anyway, the contact which I had with Philmore's converter made me aware that here was an inexpensive and efficient way to monitor. The car receiver is there, it's certainly ready, willing, and able to work with a converter.

Of course, converters aren't made only for CB work—you can get converters to cover any band



Photo of a complete converted mobile unit. On the left is a Hartman marine converter, in the center a Sentry Electronics police model, and on the right an International Crystal unit for aeronautical frequencies. These units are top-notch and can be recommended highly from personal experiences with them. A Crescent Electronics unit is in use at the base station.



The "Tunaverter," sold by Herbert Salch & Co., has a novel feature—it is tunable. Most converters must be tuned on the broadcast receiver dial.



This is a CB converter produced by Instrument Devices Corp., it weighs 6 ounces and sells for less than \$25.



Crescent Converters range in price from \$27.50 to \$32.50, some models are available for 117 VAC operation.



Here's a "Miniverter" from Scientific Associates. These are available for any one megacycle piece of radio spectrum lying between 1 mc and 160 mc/s. Prices run \$14.75 to about \$28, depending upon frequency range.

of frequencies you could ever need—CB, Ham, marine, shortwave broadcast, aero, police/fire, etc.

When I got involved in serious CB'ing, I also became a member of a club which has been an active participant in emergency road patrols, air/sea rescue work, etc. Here was a chance for converters to save the day. So I set about selecting a converter for each of the three bands in which I was interested—marine, police, aeronautical.

First step was to compile a listing of the manufacturers of converters. When this was accomplished I sent off requests for data sheets on their available models—sizes, prices, bands covered, power source required, on so on. When this material was received I selected the units which best suited my particular needs.

Most of the converters offered are about the size of two packs of cigarettes. The majority operate from a self-contained 9 volt transistor battery, although some may be operated from either a battery or directly from the vehicle's

Continued on page 63

(Manufacturers of converters covering only Amateur bands are not listed.)

JM Industries
P.O. Box 2
West End, N. J.

Herbert Salch & Co.
Woodsboro, Tex.

International Crystal Mfg.
18 North Lee
Oklahoma City, Okla.

Crescent Electronics
Route 4, Box 192
Rolla, Mo. 65401

Scientific Associates Corp.
Box 1027
Manchester, Conn.

Aquaspace Development, Inc.
Box 586
Canoga Park, Calif.

Webber Labs.
40 East Morris St.
Lynn, Mass.

Sentry Mfg. Co.
P.O. Box 12322
Oklahoma City, Okla. 73112

Hartman Marine Electronics
30-30 Northern Boulevard
Long Island City, N. Y.

Kuhn Electronics, Inc.
20 Glenwood
Cincinnati 17, Ohio

Instrument Devices Corp.
P.O. Box 284
Huntington, N. Y. 11744

Vanguard Labs.
190-48 99th Ave.
Hollis, N. Y. 11423

***se·lec·tive**(sĭ lĕk'tĭv) *adj.*
 having the function or power
 of selecting; making selection
 characterized by selection. *1. Radio.* having good selectivity
 of hearing. *2. Electric.*
 insulating. *like, by vision.*



*CONTACT!-23

AT LAST! SELECTIVITY THAT REALLY SELECTS!

The Contact!-23 has achieved exceptional selectivity through the use of a true Mechanical Bandpass Filter — similar to that found in far more expensive ham equipment.

AND THERE'S LOTS MORE TO THE CONTACT!-23

You get crystal control on all 23 channels, both Transmit and Receive, via a synthesized circuit — all crystals included.

- Illuminated, angled front panel
- Built-in speech compressor
- Fine tuning
- Illuminated S & RF meter
- Modulation indicator
- Transistorized power supply, 12V and 110V
- Cigar lighter plug-in
- Electronic switching
- Earphone jack
- PA system jack

Complete with: microphone, cords and snap lock mounting brackets.

USL CONTACT!-23 \$199⁵⁰



USL CONTACT!-8 \$149⁵⁰

Illuminated, angled front panel. 23-Ch. tunable receiver with illuminated dial. 8-Ch. crystal-controlled transmit & receive. 1-Ch. external crystal socket—transmit & receive. Transistorized power supply. Illuminated S & RF meter. Crystal spotting. Electronic switching. PA system jack. Complete with: microphone, cords, 1 pr. of crystals and snap lock mounting brackets. Cigar lighter plug-in, easy to install. Nuvistor low noise front end.

USL T 1050 A \$119⁹⁵



23-Ch. tunable receiver with illuminated dial. 6-Ch. crystal-controlled transmit & receive. Illuminated S & RF meter. Crystal spotting. Earphone jack. Nuvistor low noise RF front end. 6V or 12V power supply available (optional extra). Unit comes complete with: microphone, AC cord, 1 pr. of crystals and mobile mounting brackets. Squelch & full series noise limiter. TVI trap. Signal-to-noise ratio: better than 10 db at 1 microvolt. Full plate modulation.



UNITED SCIENTIFIC LABORATORIES, (KKD5719)

Division of Vernitron Corporation

475 Union Ave., Westbury, L. I., New York

Dealership inquiries invited

FESTIVAL OF FOREIGN SWAPPERS

HERE THEY ARE—

YOU ASKED FOR THEM—

FROM ALL OVER THE WORLD

A while back we ran a list of about 50 overseas swappers. To say that the list was a smashing hit with S9'ers would be the understatement of the decade. So here we are again with a supplemental list. We don't know if these fellows will swap with you, but we can tell you that within the past few months they have swapped with others!

But first, a few pieces of information regarding the list and the stations in it. For one thing, they are ALL listeners ONLY, they are NOT CB'ers or Hams; their "callsigns" are simply identifying letters and numbers given them by their respective governments or semi-governmental clubs. Many of them probably never even heard of CB.

You will notice that most of the listeners in Iron Curtain countries have the same address, this is the address of the official radio club where most Hams and listeners all receive mail. In the case of the Russians listed here, most receive mail at the address of the Central Radio Club, which is Box 88, Moscow, U.S.S.R. The one fellow on our list not shown for Box 88 gets his mail direct for some reason or other.

Shown next to each country name on our list are the postage rates. The first number is the first class mail rate (one ounce) from the United States to the country indicated. The next number is the half ounce air mail rate from the U.S. The third number indicates the number of International Reply Coupons you would have to enclose for the other operator to answer you by air mail. If the third number is an "X," that means that the nation indicated will not accept International Reply Coupons at their post offices. In all countries which do not accept IRC's, one IRC will provide the other fellow with sufficient postage to send you a card by surface mail. In no case should you ever expect a reply from any of these countries if you don't send some form of return postage with your request. In the case of operators in nations which don't accept IRC's, sometimes the operators will accept them so that they, themselves, can send them to another operator as return postage. Otherwise, see if you might be able to purchase some current postage stamps of the desired country at a stamp collector's store and send these along with your request. IRC's are for sale at 15¢ each from most post offices.

A recent letter from French listener REF-15951, an ardent S9 supporter, notes that a great many French operators are anxious to swap with American and Canadian stations. He promises to send S9 a list of many of these stations in the near future. As soon as we receive it we will pass it along to you.

So you're on your own now. Don't expect to get an answer from all of the stations listed here (and don't write us to complain if you aren't satisfied with your returns). Obviously the stations listed here which do swap will not be able to reply to 85 zillion requests—they will probably have a sufficient supply of cards for the earlier requests. Don't forget that these foreign swappers are deluged with cards from U.S. and Canadian operators—they don't need your card as much as you need theirs—so don't "demand" that they swap with you, or you'll for sure draw a big zero.

We assume no responsibility for any goofs made in this list; as you might imagine, some of these extra-long place names might have gotten slightly maimed and mangled by the time they reached us. Rotsa ruck!

ARGENTINA (11/15/3)

WPE5AST/LU Miles Abernathy
c/o Aricana, Buenos Aires 934, Rosario

BELGIUM (11/15/2)

ONL-170 Jacquet Camille, 86, Ch. de Wavre, Jodoigne

AUSTRALIA (11/25/3)

RA-2744 Roy Frost, c/o P.O., Sunbury, Victoria

BRAZIL (11/15/3)

PY1-13332 Emanuel Tavares Filho
P.O. Box 359, Niteroi, R.J.

PY2-14248 Sandro Renato
P.O. Box 22, Sao Paulo

BULGARIA (11/15/X)

LZ1-A282 Ognjan Bojkowski, Zar Shishman 33B, Sofia
LZ1-A283 Ceco, Benkowski 12A, Sofia
LZ1-E64 Steve, P.O. Box 830, Sofia
LZ1-G6 Pavel G. Popov, P. Evtimii 13, Pazardjih
LZ1-3127 Dimitar Dratchev, Box 102, Gorna Orehovitza
LZ2-F86 Neno Todorov, Box 830, Sofia

CENTRAL AFRICAN REP. (11/25/2)

VQ2-7583 Cecil P. Brown
P.O. Box 116, Livingston, N. Rhodesia

CHANNEL ISLANDS (11/15/3)

GC-5226 W.G. Duchemin, Primula Castel, Guernsey

CUBA (11/13/4)

CO2PE1A Oscar Reyes, Carmen 277, Vibora, Habana

CZECHOSLOVAKIA (11/15/3)

OK1-219 Karol Pokorny, Box 69, Prague 1
OK1-5057 Rudolph Vrbacky, Box 69, Prague 1
OK1-6857 Venka Vodrazka, Box 69, Prague 1
OK1-12632 Berger Tonik, Box 69, Prague 1
OK1-12948 Vlada, P.O. Box 69, Prague 1
OK1-22038 Veny, Box 69, Prague 1
OK2-4857 Josef Cech, Tyrsova 735, Jaromerice Nad Rok
OK2-11187 Jaromir Govec, Box 69, Prague 1
OK2-12169 Lada, Box 69, Prague 1

DENMARK (11/15/2)

OZ-DR-1147 Erik Køie, Rughaveej 21, Odense
OZ-DR-1177 Poul Frederiksen, Gl. Taastrupbej 28, Holbaek
OZ-DR-1255 Ole Bendt Hansen, Edithsvej 10, Glostrup
OZ-DR-1257 Poul Erik Skov, Haraldsgade 37, Herning
OZ-DR-1309 Hans J.H. Glem, Roskildevange 7, Roskilde
OZ-DR-1322 Claus Bobberg, Landystvej 63A, Hvidovre
O22-DR-1233 Tom Iversen, Fribjerg 32, Nordborg (ALS)

ENGLAND (11/15/3)

G2PE4Y Robert C. Hunt, 22, Station Road
Sheringham, Norfolk
G-8701 Martin Foster, 5, Goring Rd., Dagenham, Essex
G-9490 Roy G. Barker, 82 Main St.
Balderton, Newark, Nott.
G-SWL Jeffrey Pascue, 13 Mt. Pleasant
Chudleigh, S. Devon

FINLAND (11/15/2)

OH2-822 Olavi Salha, Uvilantie 7D36,
Helsinki, Munkkivuori
OH2-PE1Y Timo Lehito, Virkby, Sunis-Hagen

FRANCE (11/15/2)

F-SWL Roland Pierre,
11, Rue Lamothe-Langou II (Haute Garoune)
REF-12-829 Jean E. Simon,
129 Rue Wilson, Somaü (Nord)
REF-15-951 Jacky Billaud,
11, Rue Roland Champenier, 58 Nevers (Nievre)
REF-16-169 Jean-Marie Houviez,
31 Rue F.-Degeorges, Arras (Pas de Calais)

SWL-13-775 Jean-Claude Clouet,
c/o REF, B.P. 26, Versailles, Seine et Oise
SWL-15-447 J.P. Eprinckard,
20 Rue D'Audresy, Conflaus Ste Honorine (Seto)
SWL-16-019 Alaiu Dupont,
43, Rue Notre-Dame, Poix (Somme)
WPE4ENX/F PFC David Hailey,
60th Station Hosp., Chinou, APO 256, New York, N.Y.

GERMANY (WEST) (11/25/2)

DE-12735 Ulrich Gartner,
lu Ganakragen 8, Kirchheim-Teck
DEA-18618 Herbert Posl,
834 Pfarrkirchen, Simbacher Strasse 27
DEA-23390-P15 Joachim Maneval,
Schubartweg 28
DEA-23970-LO5 Hermann Patzlauff,
43 Essen, Savignystrasse 67
DEA-24476-A14 Walter J. Mueller,
Donauschinger Str. 24, 7713, Huefingen

HUNGARY (11/15/3)

HA2-508 Balazs Attila,
P.O. Box 214, Budapest 5
HA2-516 Lacy, Box 214, Budapest 5
HA8-703 Tomi, P.O. Box 214, Budapest 5
HA9-016 Jozef Gyurko, Box 214, Budapest 5

IRAN (11/25/3)

EQ1PE1A Javad Mesbahi, P.O. Box 153, Shiraz

ISRAEL (11/25/3)

4X4580 Leber Abraham, P.O. Box 113, Tivon
4X4760 Shalom Bacalu,
11/5 Shicun Shaviv, Herzlia

ITALY (11/15/2)

II-10870 Giancarlo Scarpa,
Via Duca daosta 41, Mestre (Venezia)
II-10963 Lucio Teatini,
Viale Mugello 4, Milano
II-11133 Franco Zecchini,
Viale P. Petrocchio 173, Pistoia

JAPAN (11/25/2)

JA1-1953 Hiroshi Okubo, 111 Fukuhara, Kasama City, Ibaraki
JA1-2845 Isao Numa,
281 Setagaya 1 Chome, Setagaya-Ku, Tokyo
JA1-3112 Hirotarō Tsukahara
c/o A. Aoki, P.O. Box 43, Suginamo, Tokyo
JA1-3568 Tetuo Nakatu,
1 Yayoicho Bunkyo-Ku, Tokyo
JA1-3868 Katsuya Minegishi,
3-3 Mitsuzawa, Naka Cho, Kanagawa-Ku, Yokohama
JA1-3928 Takashi Miyamoto,
1-45 Fukasawa Setagaya, Tokyo
JA1-4472 Koyu Jo,
3971 Kamiturma Sagami-hara-Si, Kanagawa-Ken
JA1-4846 Haruo Kawa,
56 Mitsuzawa, Higashi-Cho, Kanagawa-Ku, Yokohama
JA1-4962 Yokio Ishiguro,
65 Mitsuzawanakamachi, Kanagawa-Ku
JA2-1031 Yasutsugu Miura,
13 Kagishiveno, Katahara-Cho, Gamagori City, Aichi
JA3-2098 Norio Heinal,
17 Kunitishi, Uzumasa, Ukyo Kyoto
JA3-2572 Tadao Fukao,
c/o KLS Nakajima-Dori, Fukiai-Ku, Kobe

Continued

JA3-2849 Takesi Hyoe, 1-30 Honmachi, Tanabe
Higasisumiyosi-Ku, Osaka City
JA6-1575 Kazuya Hasuyama,
No. 5 Ikeda Morooka, Fukuoka City
JA8-1442 Toru Sato,
2 - Minami-Higashi, Nakashibetsu-Mochi, Fuokkaido

KOREA (South) (11/25/5)

HL-1054 Hong Kuy Lim,
671 Dang Hiu Dong, Ha Wangsimri, Sung Dong Ku Seoul
HM-1AP Byong Foo Cho, Central Box 162, Seoul

MALAYA (11/25/5)

9M2PE1A Kok Choong Kool,
20 Cinema St., Taiping, Perak

MALTA (11/15/3)

John G. Dacoutros,
61 Tigne Street, Sliema

MOZAMBIQUE (11/25/3)

CR7-001 Maria Fernanda Guerra,
C.P. 812, Lourenco Marques

NETHERLANDS (11/15/2)

PA-9732 Hans W. Wieringa, P.O. Box 152, Groningen

NEW ZEALAND (11/25/3)

RA2716 H.F.A. Smit,
Otekaika, Special School, Private Bag, Oamaru

NORWAY (11/15/2)

LAM-3563 Ellmann Ellingsen, Box 898, Oslo

POLAND (11/15/2)

SP3-078 Hajcel A. Poznan, Maleckiego, 8/9M 28
SP8-6003 Leonard Gawecki, Curie Sklodowskiej 3, Rzeszow 3
SP9-533 Ginter, Radio Club LPZ2, Sadowa, Bytom
SP9-624 Jan Braoza, Box 152, Bytom 1
SP9-752 Jerry Picheta, Chorza 1, Ul. Poniatowskiego 13

ROUMANIA (11/15/3)

YO2-1062 Dancila Marius, P.O. Box 95, Bucuresti
YO2-1081 Ady, P.O. Box 95, Bucuresti
YO2-1083 Gill, P.O. Box 95, Bucuresti
YO2-5041 Gerd, P.O. Box 95, Bucuresti
YO3-2199 P.O. Box 95, Bucuresti
YO5-4045 Alex Farkas, Box 95, Bucuresti
YO6-5041 Gerd Loy, Box 95, Bucuresti
YO6-5084 Dan, P.O. Box 95, Bucuresti
YO7-6019 Velu, P.O. Box 95, Bucuresti
YO7-6514 Serban Ghindeanu, P.O. Box 95, Bucuresti
YO8-7019 Yka Dinu, P.O. Box 95, Bucuresti

SOUTH AFRICA (11/25/5)

Z56PE1G A. Reuerman, 29 "Jean Adri"
524 v/d Walt St., Pretoria
Jean Beaumont, P.O. Box 23, Jacobs, Natal

SPAIN (11/15/2)

EA2-878U Ivan Antonio Fernandez,
H de Amezaga 8, Bilbao
EA2-995U Gerardo Cangas Perez,
Grand Via, 90 Bilbao

SWEDEN (11/15/X)

SM6-2442 Kuty Jansson, Box 690, Karkborg
SM6-3196 Stig Nyman, Backvagen 6, Skovde 3
SM7-10237 Claes Lindblad, Kronobergsgaten 23, Karlskrona 4

SWITZERLAND (11/15/2)

HE9FLB Pietro Aeschmann, Langenthal BE, Freilandweg 4

THAILAND (11/25/3)

HS-9324 Hans R. Kiesinger, P.O. Box 76, Bangkok

USSR (EUROPEAN R.S.F.S.R.) (11/25/X)

UA1-815 Juri Nocfin, Box 88, Moscow
UA1-875 Paul Rusetsky, Box 88, Moscow
UA1-74212 Vladik, Box 88, Moscow
UA3-3239 Adolf, Box 88, Moscow
UA3-10273 Syd, Box 88, Moscow
UA3-12804 Nick Denisov, Box 88, Moscow
UA3-13064 Alex, Box 88, Moscow
UA3-27179 Oleg, Box 88, Moscow
UA3-27236 Alex, Box 88, Moscow
UA3-27257 U.P., Box 88, Moscow
UA4-7687 Wadim, Box 88, Moscow
UA4-7697 Wlad, Box 88, Moscow
UA4-7720 Alex, Box 88, Moscow
UA4-7740 Sofia, Box 88, Moscow
UA4-7741 Valentina, Box 88, Moscow
UA4-7744 Alex, Box 88, Moscow
UA6-87502 Aleksander, Box 88, Moscow
UC2-21624/UA6 Vadim A. Ignatov, Box 88, Moscow

USSR (ASIATIC R.S.F.S.R.) (11/25/X)

UA9-9213 Yuri, Box 88, Moscow
UA9-9218 Rif, Box 88, Moscow
UA9-9219 Yuri, Box 88, Moscow
UA9-1069 Oleg Scopintsev, Box 88, Moscow
UA9-1433 Vladimir, Box 88, Moscow
UA9-1864 Wladi, Box 88, Moscow

USSR (UKRAINE) (11/25/X)

UB5-4485 Alexander, Box 88, Moscow
UB5-5659 Alexey, Box 88, Moscow
UB5-5860 Bob Kachure, Box 88, Moscow
UB5-49532 Yuri Kleinman, Box 88, Moscow
UB5-49561 Zoli Kliman, St. Mira 53/5, Zakarpatis 7, Mukatchevo

USSR (WHITE RUSSIAN S.S.R.) (11/25/X)

UC2-2102 Vital, Box 88, Moscow

USSR (AZERBAIJAN) (11/25/X)

UD6-6663 Yuri, Box 88, Moscow

USSR (ARMENIA) (11/25/X)

UG6-6929 Serge, Box 88, Moscow

Continued on page 63



Leo I. Meyerson
KLH 7297

THIS NEW DELUXE CB TRANSCEIVER PUTS YOU ON THE AIR IN SECONDS!

**COMPLETE
NO EXTRAS
TO BUY!**



PRICE INCLUDES:
Both AC/DC Supply &
Mounting Bracket.

\$79⁹⁵

Made in
U.S.A.

\$5.00 Monthly

NEW! WRL'S "RUSTLER" CB TRANSCEIVER

Here's a New *Deluxe* American Made CB Transceiver with features you would expect to find only in CB units costing much more. WRL's *Rustler* CB Transceiver is a complete package with 115 VAC and 12 volt DC power supply, cords, mtg. bracket and PTT mike. It also includes eight crystal-controlled channels and a 23 channel, tunable, super-het receiver. (CRYSTALS FOR CH. 9 SUPPLIED)

Other important features include a positive squelch control, illuminated "S" meter, spotting switch, ANL, 3.4 watts, and a quick-change crystal socket. Beautifully designed for home or auto use! Only WRL offers you the finest for less.

CB WALKIE-TALKIE Exclusives from WRL

3 TRANSISTOR



\$9⁹⁵ WIRED
ea. in pairs

- Ready to operate.
- No license needed — No age limit.
- Operates on single battery.
- Handsome - Compact Weighs 10 oz.

On the move communications. Range 1/4 mile and more — ideal conditions.

9 TRANSISTOR



\$24⁹⁵ WIRED
ea. in pairs

- Range - 1-3 miles.
- Crystal controlled.
- Noise limiter switch.
- Push-to-talk switch.
- Leather case, earphone.

Ideal For Business, Pleasure & Home Use.

ONE WATT



\$59⁹⁵ WIRED
ea. in pairs

- Professional Model.
- Range - 1-5 miles.
- FCC License required.
- 13 Transistors.

WRL'S CB PRE-AMPLIFIER



\$11⁹⁵ each
Improves any CB receiver . . .

Guaranteed to improve CB reception. Uses two 6CW4 nuvistors providing up to 20DB gain on receiver signals.
READY-TO-INSTALL

WRL

WORLD RADIO LABORATORIES
3415 West Broadway
Council Bluffs, Ia. 51504

Please Rush Me

- WRL's Rustler CB Transceiver. 3 Transistor Walkie-Talkie, \$9.95 ea. in pairs. 9 Transistor Walkie-Talkie, \$24.95 ea. in pairs. 1 Watt Walkie-Talkie, \$59.95 ea. in pairs. WRL's CB Pre-amplifier, \$11.95. Compression Amplifier, \$14.95.

Name _____

Address _____

City _____ State _____ Zip _____

NEW COMPRESSION AMPLIFIER

Made in
U.S.A.



\$14⁹⁵

A True Compressor
Not a Clipper

- CB/HAM/COMMERCIAL USE
- Provides up to 15DB Compression.
- New Low Price
Quantity Prices Available

*talks louder...longer
listens stronger...longer*

PRO-27 CB BASE STATION ANTENNA

*Seasons
Greetings
from
the*

Looking for a CB Base Station Antenna
that outperforms all others?

YOU'VE FOUND IT!

HUSTLER[™]
Folks



The Pro-27 has been tested under all conditions. It has a combination of mechanical and electrical features that can't be beat. A thoroughly professional design.

- Only CB Antenna with tunable matching for exceptionally low 1.1 to 1 SWR
- Field strength exceeds every other colinear antenna
- .64 wave length for extremely low angle of radiation
- Omnidirectional — radiates equally strong in all directions
- Mast is 1 1/4" OD heat treated seamless aluminum tubing
- Non-drooping heat treated aluminum radials
- Die cast aluminum base and steel angle mounting bracket have iridite finish

For best results use NEW-TRONICS mobile antennas.

Watch for the New

"DOUBLE TALK"[™]

"the home of originals"

**NEW-TRONICS Corp. / 3455 Vega Avenue
Cleveland, Ohio 44113**

Silence is Golden

(in mobile installations)

The "23'er" stands apart from all mobile CB transceivers. The reason: Squires-Sanders Noise Silencer (patent applied for). This unique development utilizes a pre-IF silencer that detects noise before the pulse is broadened by IF selectivity. By detecting before IF selectivity, the noise silencing pulse is as short as possible, so that a minimum of the signal is eliminated. There's no loss in signal level, no introduction of audio distortion—a common drawback of the ordinary noise limiting devices used in other transceivers. In addition, the "23'er" employs a diode noise limiter to attenuate long duration noise. The result: crisp and clear mobile reception of even the weakest signals without annoying background noises.

And there are more reasons to select the "23'er". There's full 23-channel capability (all crystals furnished). Solid-state design (25 silicon transistors and 7 diodes) for reliable operation and negligible battery drain. There's an ultra-sensitive receiver (0.5 μV) featuring sharp 8 kc selectivity accomplished



through a crystal bandpass filter. A smooth, adjustable squelch maintains silence when no incoming signal is present. For maximum intelligibility, a built-in 3x5 front-facing speaker is employed. There are provisions for an external speaker and instant conversion to public address via an optional adaptor.

The transmitter? You just can't get more range. It utilizes a full legal (5-watt) transmitter input with a special high efficiency RF output amplifier clipped and filtered audio (speech booster) for top talk power (100% modulation). An adjustable output network assures optimum antenna match. Built-in power supply for 12VDC (negative ground) mobile operation. With mobile mounting bracket 12VDC connecting cable and quality push-to-talk microphone, only \$235. Two AC power supplies available—deluxe Master Model featuring transistor voltage regulation and a built-in "S" meter at \$395.

Standard model at \$19.50.

See the "23'er" at your CB dealer today. For descriptive brochure, write: Squires-Sanders, Inc., Martinsville Road, Millington, N.J. 07946.

Squires  Sanders



ON THE COUNTERS



Browning Laboratories, Inc., Dept. S9, 1269 Union Avenue, Laconia, N. H. has released some details on their exciting new *Raven* transceiver, a self-contained mobile unit. Special features include an "opto-electronic automatic compressor;" a two Nuvistor cascode front end; twelve tubes with 19 functions, two transistors and five diodes. There are no synthesized circuits.

The complete unit, including speaker and transistorized 12 volt supply, is included on one chassis. An "s-meter" with special regulated bridge circuit and an RF indicator meter showing relative power are built in.

The transmitter has 100% peak limited plate modulation, while the receiver has a sensitivity of .2 uv for 10 DB of quieting. The *Raven* also features all 23-channel crystal control transmit and receive. Adjacent channel rejection is 80 DB down. The unit may be seen at franchised Browning Service Centers—if you want to know the name of the one nearest you, drop a card to Browning.

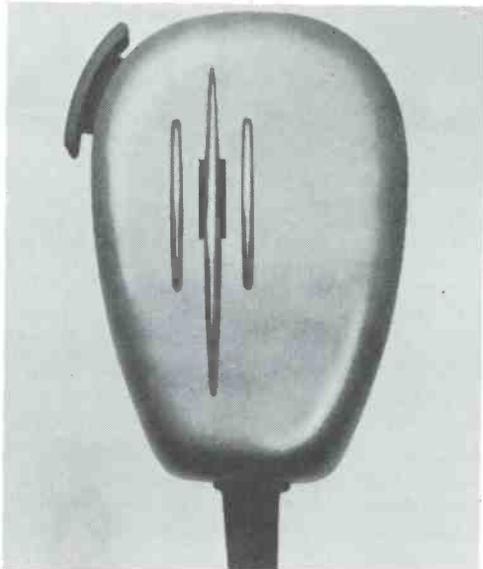
An exciting new series of CB antennas has been introduced by Antenna Specialists, 12435 Euclid Avenue, Cleveland, Ohio 44106. These antennas, manufactured under the name "Color-guard," are designed in brilliant, dazzling "International Emergency Orange," a fluorescent color used the world over as coloring on emergency vehicles of all kinds. On your CB mobile unit, you will be immediately identified as an emergency communications unit by police, fire, and military authorities. Colorguard versions of many of Antenna Specialists' standard fiberglass

and steel mobile antennas are available. Check with the company for complete details.

Apollo Engraving Co., P.O. Box 81, Brooklyn, N. Y. 11204 has just come out with a useful idea and we wonder why it wasn't thought of long ago. It's a 10" by 2" plastic strip with your call-sign engraved—and it has two suction cups for



installation in the rear window of your mobile unit. Sells for \$3, or you can get two for \$5. Available in black with white letters or red with white letters.



A rugged, transistORIZED, mike unit called the "Constant Level" has been put on the market

by Rhey W. Hedges & Associates, P.O. Box 1643, Costa Mesa, Calif. 92626 (Tel. 546-1665). The mike delivers a constant output, regardless of whether you whistle or shout into it. It can be used as a direct replacement for carbon, ceramic, or dynamic microphones. Prices are \$34.95 for the palm size, and \$44.95 for the handset type, F.O.B., Costa Mesa, Calif.

An attachment to obtain optimum match between mobile transceiver and mobile antenna is now available from T. Francis, 15 Park Row, New York, N. Y. 10038. Manufacturer says that mobile antennas are 20 to 30 ohms impedance (at the point where the cable is attached) while the CB rig is designed to feed a 50 ohm transmission line. At the point where the mismatch occurs there is a loss of power. This in-line transformer overcomes any loss brought about the mismatch. Cost is \$15, postage paid.

Projects Unlimited, 58-14 84th Street, Elmhurst, N. Y. has a book out which looks like it should interest anyone involved in communications. It's called "How The Telephone Company Catches Long Distance Cheats," and it deals with the many methods people have devised (both crude and highly sophisticated) to defraud the telephone company, together with an analysis of the amazingly accurate system for fraud detection now in use by these companies. Each of the systems for fraud, and its corresponding detection is gone over. Price of the publication is \$2.

Pace Communication Corp., 520 West 182nd St., Gardena, Calif. 90247 has a new "Pace II"

5 watt rig with 12 channels. The compact all-transistor rig includes the following features: external speaker jack with PA provision, adjustable sensitivity, adjustable squelch, 12 VDC positive or negative source, 60 DB harmonic rejection in transmitter, double conversion receiver. Unit has many other features and sells for \$169. Contact Pace for a full spec sheet.

Dyna-Comm Products, 4860 N.W. 2nd Avenue, Miami, Fla. 33127, offers something we haven't seen before—it's their Dyna-Power Mobile Solid State Antenna Booster which promises to: give more range, increase your power, decrease noise and static, give lightning protection. It has a built-in modulation and RF indicator and requires no external power. Installation is right in your coax lead, and requires only the connection of two PL-259 connectors. Size is 2½" by 1¾". Price is \$9.95.



A microphone dubbed the "Plus 2" is out of the bag from Turner Microphone Company. 909



Top sensitivity, even in the arctic...

One microvolt sensitivity, even at -10° F. 0.4 microvolt sensitivity $+10^{\circ}$ F. through $+125^{\circ}$ F. . . signal pulling capability that you can depend on, even in the arctic.

Completely solid state, the Amphenol "Six Hundred" has replaced the relay with high speed electronic switching to make it far more rugged than comparable equipment. Its dual conversion superhetrodyne receiver, with 4 stages of amplification provides outstanding selectivity.

Other significant advantages include a

powerful 3½ watt output, current drain that is actually less than a flashlight, and 10 crystal controlled channels.

The 600 is a 12 VDC compact, mobile unit at \$169.95; its companion model, the 625, in the same compact cabinet, includes a universal 120 VAC-12 VDC power supply at only \$20 additional. For more information including complete specifications, contact your local Amphenol communications distributor or write direct.

Amphenol DISTRIBUTOR DIVISION
Amphenol Corporation
2875 S. 25th Ave., Broadview, Ill. 60155

17th St. N.E. Cedar Rapids, Iowa 52402. This is a base station job with an adjustable output level to increase the range of any transceiver. Will work with sets having relay or electronic switching, and the mike is heat and humidity proof. List price is \$49.50. Free literature is available, drop them a card.

S9 Lab

Reports

**RAY-TEL MODEL TWR-7
TRANSISTORIZED CB TRANSCEIVER**



It seems that every day transistORIZED CB gear is getting smaller and smaller. The littlest package we've come up with so far is the Ray-Tel Model TWR-7, one that even though it is diminutive, stacks up well with bigger counterparts including vacuum tube models. It is a 5-channel all transistORIZED transceiver with crystal control on both receive and transmit. The transmitter operates at the maximum legal carrier input of 5 watts to pack out a good watts of RF power with full modulation that provides nearly 12 watts of peak-output power; while the receiver is highly sensitive, allowing you to hear signals of one-microvolt strength with a signal-to-noise ratio of 10 DB.

Other features of the TWR-7 include excellent receiver selectivity, two automatic noise limiters, adjustable squelch, automatic gain control, peak audio output of 3.5 watts with provisions for external loudspeaker on receive or for public-address operation using the microphone and the AF amplifier in the unit. Operation is designed for 12.6 VDC *negative* ground systems. Its size is only 1½" x 6¼" x 8" (H.W.D.) and it is "as light as a feather" weighing only 2 lbs. 4 oz.

CIRCUITRY

Circuit-wise, the TWR-7 has a single-conversion receiver using a 455 kc/s IF. There is an RF input stage and a mixer with a crystal-controlled oscillator. The following IF amplifier has two stages using six tuned circuits four of which comprise a narrow-bandpass filter to provide a

CLUBS-TEAMS-SCHOOLS

SAVE MONEY

BUY FROM MANUFACTURER

Emblems • T-Shirts • Sweatshirts • Lettering
Banners • Jackets • Award Ribbons • Pennants

FREE PRICE QUOTATIONS.. SEND SAMPLE OR SKETCH.

State Name Of Club - Team - School

Send 35 c For Catalog and Assorted Emblems.

American Knitwear and Emblem

PLAISTOW 14, N.H.

NEW YL PIN & TIE CLIP

Only \$1.50 each

the

Perfect Xmas Gift

APOLLO ENGRAVING CO.

P.O. BOX 81, BROOKLYN, N. Y. 11204



U.S. GOVERNMENT

OFFICIALLY

LICENSED

RADIO COMMUNICATIONS UNIT

"OFFICIAL" card for your mobile unit's window—very impressive and printed on heavy quality card stock. White stencil letters on black background. With each order a FREE realistic "U.N.C.L.E." ID card in 2 colors — and an extra surprise bonus sticker! The whole bit for 50¢, three sets for \$1.

HARAL ASSOCIATES,

Dept. CB, 1133 Broadway, New York, N.Y. 10010

CB'ers & CLUBS!

CH. 9 DECAL

ONLY 50¢ ppd.

Get this big, easy-to-see, 3 color Channel 9 Monitoring decal for your car window! Boost better communications on CB by pushing and using Ch. 9 as the National CB Calling and Monitoring Channel. Immediate delivery. Only 50¢ each, bulk orders of 10 or more, 30¢ each. Dealer inquiries invited. Order NOW from:

Channel 9

S9 Magazine

14 Vanderventer Avenue

Port Washington, N. Y. 11050

GET ACTION

WITH  PRECISION
MADE, POPULAR PRICED CB
UNITS!

FULL 23 CHANNEL SS

Triple Tuned RF

AC/DC

Delta Tuning

"Dual" Function Panel Meter

Double Tuned IF's

"Noise Immune" Squelch

Illuminated Meter and Channel Selector

Compact 8" x 11" x 4 1/4"



\$169⁵⁰

Ready to Operate

8 CHANNEL OPERATION

Electronic Switching

AC/DC

2-Stage Preamp

Illuminated "15" Meter

Transistorized "Noise Immune" Squelch

Delayed AVC

Complete with Crystals for 1 Channel



\$99⁹⁵

Ready to Operate

WRITE,
WIRE or
PHONE TODAY FOR
COMPLETE INFORMATION



MULTI-ELMAC COMPANY

21470 COOLIDGE HIGHWAY OAK PARK 37, MICH.

Citi-Fone SS

Citi-Fone 99

Name

Address

City Zone State

high degree of selectivity with adjacent-channel rejection rated at 70 DB. Two automatic noise limiters are used, one works directly at the IF level, the other in the audio section. An IF squelch system is provided to cut out background noise when signals are not present. A unique feature of the squelch is that when the receiver is un-squelched or when signals are received, a power-on indicator lamp glows dimly, but when the squelch is on and the receiver is silent, the brilliance of the lamp increases. In case you don't realize that the set is turned on, this then provides a warning that eliminates the possibility of your leaving the set running when you leave or garage the vehicle.

The transmitter has a crystal-controlled oscillator stage, a buffer/driver and the final power amplifier. A pi-network output circuit is used for matching into a 52-ohm antenna load and to minimize the transmission of harmonics. The AF power-output amplifier for the receiver also serves as the modulator for the transmitter. Optimum results are obtained by modulating both the driver and the RF output stage. Push-to-talk operation is provided and during transmit the RF output causes a lamp to glow, its brilliance fluctuating with the modulation, thus indicating you're on the air. In the event the channel switch is set to a position where you don't have a crystal installed, the transmitter will not operate and the lamp will not light, thereby letting you know that you've switched to an inoperative channel. Switching between transmit and receive is done electronically, there are no relays to get out of order.

Individual crystals are required to be installed for each receiver and each transmit channel (two crystals for transceive operation on any one channel). The TWR-7 is supplied with both crystals for operation on channel 11.

PA operation is obtained by plugging an external speaker into the PA jack, turning the squelch control to the PA position and speaking into the mic while the PTT button is held on. When the mic button is released, the receiver output feeds both the PA and the internal speaker, providing complete monitoring facilities for the receiver channel. Normal transceive operation is restored when the squelch control is again placed in operation.

Voltage regulation with a zener diode is used on voltage-sensitive stages to ensure stability under conditions of varying battery voltage. As with most transistorized gear, economical operation is released. Current drain under normal receive operation in .8 a. and on transmit it is 1.25 a. Further economy results from a current drain of only 35 MA when the receiver is squelched.

The TWR-7 components are mounted and wired on a glass-epoxy printed-circuit board which is housed in a small case with the speaker at the bottom and with a simple and nicely styled panel. A lever-type switch selects the channels which are identified by marker tabs you can insert behind a clear-plastic convex strip.

PERFORMANCE

Except as noted, the measured performance

Is it time to renew your S9 subscription?

of the TWR-7 was within specifications. On receive, the sensitivity was better, being 0.5 uv with 10 DB S/N ratio; adjacent-channel selectivity was not up to rating, but was better than usually found, amounting to 50-55 DB; suprious rejection a little over 40 DB with primary image rejection of 20 DB. AGC figure-of-merit turned out to be 8 DB audio-output level increase for an 80 DB rise in RF input signal. The squelch tripped with signal levels as low as 0.25 uv.

The transmitter delivered a minimum of 3 watts carrier and modulation was well upward to almost 100 percent with exceptionally clean waveform.

The unit worked well during road tests. It is a neat little package, easy to handle and operate, and it takes up so little room in the car that you'd hardly know it were there.

One point of criticism that we have is that like many transistorized CB rigs, the loudspeaker in the bottom of the case faces downward when the unit is installed in the car under the dash. Some audio intelligibility is thereby lost inasmuch as the sound reaches you indirectly. Fortunately this can be overcome, since there is the external-speaker jack to which a larger and better located speaker can be connected.

The manual is more replete with data than customarily supplied. Besides the specifications and the usual operating instructions, it covers mobile and marine installations, antenna suggestions, complete maintenance data including trouble shooting and alignment together with a circuit diagram and an "X-Ray" view of the printed-circuit board which is marked off in numbered and lettered grids to make the locations of parts easily found, much in the same manner as the location of various towns and cities are determined on a road map.

A separate section of the manual extensively devotes nine pages to noise-suppression methods that can be applied to mobile vehicles, including boats.

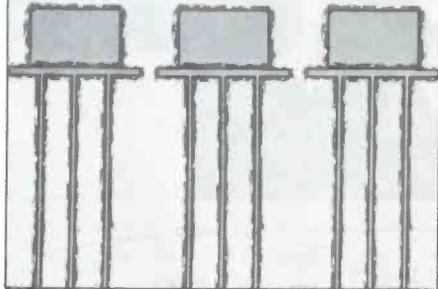
The Ray-Tel TWR-7 CB Transceiver comes complete with instruction manual, spare fuse, microphone mounting post and mobile mounting yoke for the unit. The manufacturer is Ray-Tel Products Division of Raytheon Company, 213 East Grand Ave., So. San Francisco, California.

S9

S9 DOES IT AGAIN!

103 simple transistor projects

Tom Kneitel



Yes, "Mr. S9," Tom Kneitel, has created an exciting adventure through *103 Simple Transistor Projects*. His new book gives you circuits which are not only simple (2, 3, and 4 transistors) but fill every CB-shack need. Beginner and expert alike will actually enjoy building such things as: CB mike boosters, transmitters, transceivers, receivers, noise killers, channel locators, frequency standard, battery chargers/eliminators, modulation monitor, power inverter, amplifiers, and more . . . More . . . MORE!!! All necessary instructions (in Tom's easy-to-understand style) and hints accompany each project, and Tom has put together an entire chapter on how to construct transistor projects to get the best results.

Order yours now!

Only **\$2.75** postpaid

Book Division,
Cowan Publishing Corp.
14 Vanderventer Avenue
Port Washington, N. Y. 11050

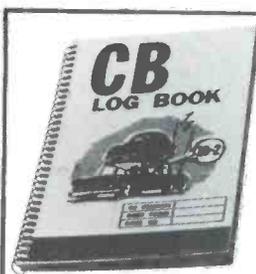
Gentlemen:

Enclosed is \$_____ for _____ copies of Tom Kneitel's newest book, *103 Simple Transistor Projects*. Please rush!

Name: _____, Call: _____

Address: _____

City: _____, State: _____, Zip: _____



NEW!

Contains spaces for 1350 call entries, plus map of U.S.A. with call letters for each state and a 10 code. Multi-colored cover, very attractively bound. No more scratch pads or loose paper to get lost. Keep those important calls in a permanent file. \$1.00 postpaid. Dealers wanted!

Book size 6 x 8 1/2 — 75 pages.

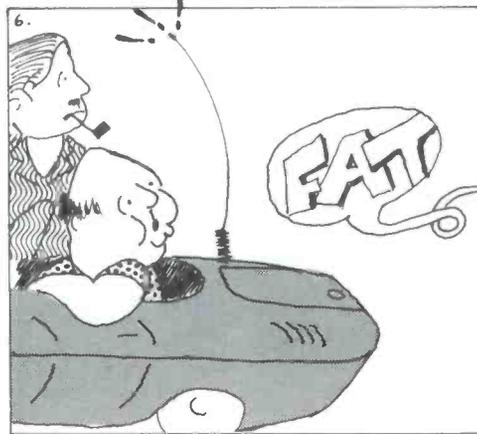
We have the Greatest line of Q.S.L. cards in the country. Free samples with every Log Book!

R. C. ENTERPRISES

733 W. Carson St., Torrance, Calif. 90502

Always say you saw it in S9

December 1965 • 31



Live Better Electronically With

LAFAYETTE RADIO ELECTRONICS



FREE!

LAFAYETTE 1966 Catalog 660

Now BETTER THAN EVER

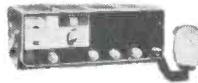
Shop At The
"World's Hi-Fi &
Electronics Center"
For Widest Selection,
Low Prices

Stereo Hi-Fi • Citizens
Band • Ham Gear •
Tape Recorders • TV and
Equipment • Test
Radio Tubes and Parts •
Cameras • Auto Acces-
sories • Musical Instru-
ments • Tools • Books

Featuring Everything
in Electronics for
512
Pages
• HOME
• INDUSTRY
• LABORATORY
from the "World's Hi-Fi &
Electronics Center"

SEE LAFAYETTE'S NEW CB UNITS
LARGEST SELECTION IN THE U.S.A.!

25 CHANNEL DELUXE 5 WATT
SOLID STATE CB TRANSCEIVER
MODEL HB-600



12 CHANNEL CRYSTAL CONTROL
5 WATT SOLID STATE MOBILE
CB TRANSCEIVER MODEL HB-555



12 CHANNEL CRYSTAL CONTROL
5 WATT TRANSISTORIZED CB
TRANSCEIVER MODEL HE-20d



LAFAYETTE "COMSTAT 9"™ KIT
5 WATT 9 CHANNEL CRYSTAL
CONTROL CB TRANSCEIVER



Mail the Coupon Today for Your
FREE 1966 Lafayette Catalog 660

Use Lafayette's Easy-Pay Budget Plan
No Money Down... Up to 24 Months to Pay
Satisfaction Guaranteed or Money Refunded

STORE LOCATIONS

NEW YORK
Brooklyn
Syosset
Manhattan
Jamaica
Scarsdale
Bronx

NEW JERSEY
Newark
Paramus
Plainfield

MASSACHUSETTS
Boston
Natick
MARYLAND
Mt. Rainier
(Wash. D. C. Area)

LAFAYETTE Radio ELECTRONICS

Dept. S9L5, P.O. Box 10

Syosset, L.I., N.Y. 11791

Send me the Free 1966 Lafayette Catalog 660

Name

Address

City

State

Zip

(Please Give Your Zip Code No.)

Special club subscription rates for \$9

December 1965 • 33

S U Z I E S E Z . . .

**SEND ALL ITEMS
AND PHOTOS TO:**

**Suzie Sez
% S9 Magazine
14 Vanderventer Ave.
Port Washington, N. Y.**



by SUSAN HENRIKSEN

Assistant Editor

A big boost was given recently to the YL portion of CB by an article published in a Jamestown, New York newspaper. The following story and pictures are reprinted with the permission of Lee Nelson and the Erie Times-News Publishing Co.

"When a 10-4 member tells you she's going on a 'coffee break,' count her out for the rest of the day. Her coffee break could take her as far as Elmira of Addison, N. Y.

"This kind of coffee break is quite common to 10-4'ers (Jamestown area women citizen band radio operators), and more than likely the whole family will attend the event.

"The coffee breaks are sponsored by CB Clubs and are strictly a social event where CB'ers meet to exchange QSL cards (identification cards giving call number, address and names of family members). Quite often special events are planned and generally lunch or dinner are served by the host unit. CB'ers from 200-300 miles away will turn up for a coffee break.

"The 10-4 Club, organized less than a year ago, has twenty-two members. The group meets monthly with programs focusing around CB radio and many times discussions are held on new FCC regulations. Fundamentally a social group, their object is to help members when needed.

"Mrs. Edward Smith is president of the newly organized group. Her officers are: Mrs. Robert Riffel, vice president; Mrs. Dean French, secretary; Mrs. Russell Seastrum, treasurer; and Mrs. Bryan Lumberg, historian and chaplain.

"CB radios are not a play thing. They're an expensive piece of equipment and are treated with respect by these women CB'ers who adhere strictly to FCC regulations. As a general rule, the radios have been purchased by husbands whose business keeps him on the road a lot and contact between car and home are important.

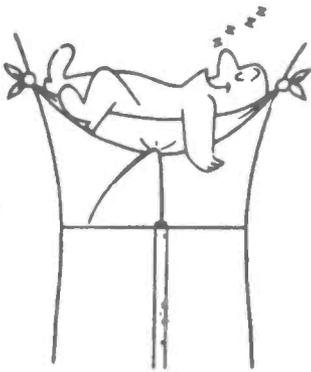


The Russell Seastrums in Elmhurst have CB radios, one in their car and one at home. Here Mrs. Seastrum talks with her husband and from the look on son Bill's face—father should get home, NOW.

One 10-4 member's husband is a plumber and the CB radio is a perfect contact for emergency calls.

"All of the women CB'ers have a story to tell about incidences which have happened since they installed their sets—some amusing and some where they have been able to provide real assistance in emergencies. One 10-4 member tells about the time when her husband was in the hospital on moving date—when they were moving from their upstairs apartment to the lower floor. She placed one call in the radio and within a very short time six CB'ers were there to help her move. Another spoke of a surprise party she was having for her husband—forty CB'ers attended. Many times they have reported accidents which have happened as they were driving and several times have assisted when children

Continued on page 63



ANTENNAS

by LEN BUCKWALTER, KBA4480

DB OR NOT DB?

If you don't understand how the decibel works, chances are you also dropped out of kindergarten—implies nearly every article ever written about DB. Nothing to it they claim; DB is a relative measurement of power, a simple ratio. And it makes things ever so simple—for the mathematician. You just have to remember that $DB = 10 \log P_2/P_1$ and you've got it licked. Even Don Ameche, who invents the telephone every six months or so on the late movie, has no problem. And *he* spends much of his time at the circus.

Since DB are used for rating an antenna, we'll also take a crack at making the decibel as easy as opening the centerfold of Playboy magazine.

The real reason for the decibel lies not with electronics but with people and some physical quirks. Take the ear drum, for example. Listen to the beat of a bass drum and sound waves make the ear drum move a fraction of an inch. Now hear *two* bass drums being struck at the same time with the same force. Seems like common sense that if power is *doubled*, two drums should sound *twice* as loud as one. But like the skate board, it's not as simple as it looks. The ear hears the *doubling* as only a *small* increase in volume.

An even better example is the eye. Imagine you're in a dark room. So you light a candle. But since there's still not enough illumination, you light the other end of the candle as well. Two things are wrong with this otherwise reasonable solution. For one, you're burning the candle at both ends. The other is that room light—from one to two candles—barely increases. Again there is doubling with precious little in return.

Finally is the example of "double your flavor, double your fun with double good Doublemint gum." This is folly. Even if it's possible to put double flavor into the gum your taste buds would not perceive it this way. The fun part is another matter. Just consider the eight wives in the harem of Maharajah Jarlwaharl. Does he have eight times more fun? The point is that when it comes to human senses there is a law of diminishing return.

DB	Power in Watts
1	4.41
2	5.46
3	6.97
4	8.79
5	11.06
6	13.93
7	19.67
8	22.09
9	26.79
10	35.00

Fig. 1. DB-to-Watts (based on transmitter output of 3.5 watts).

And there's an excellent reason for it—protection. If ear drums moved twice as far when hearing double the sound power, it wouldn't take much to cause damage. The eye reacts with decreasing sensitivity to protect the delicate retina. To sum up: just about all human responses begin to taper off as applied power multiplies. It's nature's built-in "automatic volume control."

Since CB antennas must ultimately satisfy the ear there must be some basis for comparison. DB is the measuring rod that tells all.

Let's say a certain antenna captures enough signal to produce a given sound level in the loudspeaker. Now increase the gain of that antenna (by adding elements, for example) so it generates just enough additional sound so you can tell a difference has occurred. Not just a hair-splitting difference, but enough so everyone in the room agrees that volume has increased. This amount of increase is approximately 3 DB. But as far as antenna gain is concerned, signal power has doubled. (Here is the ear-protecting mechanism at work.) Now repeat the process: raise antenna gain to get a second increase in sound volume. Again the increase is 3 DB. Thus if you begin with a 5-watt signal, doubling its power to 10 watts gives 3 DB gain—and going from 10 to 20 watts adds another 3 DB. Multiplying power by four times—from 5 to 20 watts—provides a gain of 6 DB. And to show that DB is merely a relationship, an increase of a thousand watts to four thousand watts would also be considered a 6-DB increase.

A "LONG RANGER"

The SHAKESPEARE
fiberglass
WONDERSHAFT
offers:

- *protection from weather*
a salt water area must
- *durable construction*
takes high winds with ease
- *low background noise*
- *insulated conductor*

The BIG STICK 176 is an excellent 18'6" — 27.1 mc fiberglass WONDERSHAFT antenna . . . all direction coverage . . . minimum of dead spots . . . no ground radials . . . independent of mounting location.

See your favorite dealer or write
Columbia Sales Office,

C/P CORPORATION

a subsidiary of the

Shakespeare

COMPANY

RFD 3 • COLUMBIA, S. C.

TELEPHONE 787-8710 area code 803

If you want to see how DB figures are calculated and know how to juggle logarithms, use the formula given. (DB is based on how the ear hears, which is logarithmically.) But a much simpler way of converting DB into actual watts is with the chart given in Fig. 1. It is based on a typical CB transceiver output of 3.5 watts.

By using the chart, you can tell at a glance how much power multiplication a particular antenna provides. And if you want to guess the answer without consulting the chart, just remember the key figure of 3 DB. Mentally divide it into the number of DB gain for the antenna. If it is 9 DB, for example, the antenna is doubling power *three* times. If your transmitter is putting out 3 watts, 9-DB gain raises it to about 24 watts: from 3 to 6 to 12 to 24.

INVISIBLE ANTENNA

Virtually all CB antennas are rated by DB gain. And as illustrated in the preceding section, it is easy to check rated DB against how much of an increase in watts you can expect. But this raises another question. If the antenna is rated at, say, 8-DB gain, with what is the antenna being compared? It is frequent practice to rate the antenna against a basic dipole antenna; a T-shape affair which, in CB, extends some 36 feet. Although it is not practical for CB use, the dipole does provide the standard of comparison. An 8-DB antenna would radiate a signal more than 6 times stronger than if it were transmitted by a dipole.

But in the effort to come up with high DB figures, there occasionally pops up a reference not to the dipole, but the *isotropic radiator*. It is an invisible antenna simply because it doesn't exist—except in theory. The isotropic job can be visualized if you think of an antenna located inside a huge ball. So perfectly non-directional is its pattern that every square inch of surface in the ball receives exactly the same amount of energy. This is impossible to achieve since such an antenna could occupy no space—stringing out its elements would destroy its perfect pattern. The isotropic radiator, however, is important for theoretical antenna calculations. For this reason the dipole is used as the basis of comparison. It can be built, taken out on the antenna range and used to check the design of new antennas.

But there is a difference in gain between the isotropic and dipole antennas. Since the dipole doesn't radiate equally well in all directions, it appears to have a 2.1 DB gain over the isotropic radiator. (This is equivalent to 1.64 times more power.) The isotropic radiator is considered to be at 0 DB, or no gain.

So when an antenna is rated by a certain number of DB, is it against the theoretical isotropic radiator or practical dipole? This can be an important question when making close comparisons between two antennas. One rated against the isotropic unit will seemingly have a 2.1 DB advantage over the dipole-compared model—though both actually have identical gain. A careful search of the manufacturer's specs can often yield the answer.



MOST OFTEN HEARD

U.S. COAST GUARD SHORE STATIONS



A USEFUL LIST FOR CB EMERGENCY MONITORS AND SWL STATIONS

For many years now, the radio stations of the U.S. Coast Guard have provided listeners with a box seat on true adventure. Today, with thousands of CB operators lending a helping hand in emergency and rescue operations, it is imperative that any CB monitoring station have some basic data on the Coast Guard's radio setup.

We present here a listing of the most-often-used frequencies of the U.S. Coast Guard, together with the callsigns and locations of the main Coast Guard stations. This is by no means intended to be a complete listing of each and every Coast Guard radio station, as the stations number into the hundreds—the majority of stations being low powered stations located at “lifeboat stations” and lighthouses. These low powered stations, while frequently heard over great distances, are, nevertheless intended for local coverage. The stations on our list are the main stations in the USCG network, and the callsigns of the “local” stations are usually comprised of the callsign of the nearest “main station” followed by one or two numbers. For instance, the USCG station in New York City is NMY. Station NMY52 is at Sandy Hook, N. J., station NMY30 is the “Stepping Stones” (N. Y.) CG unit, and so-on. As a matter of fact, NMY has about 75 associated stations. Station NMN has about 100!

Generally, stations of the USCG will QSL if a prepared reply card is supplied for them to return to you. Address your reports to the Chief Radio Operator, United States Coast Guard Radio Station N - -, (city), (state). Reports for the “local” stations not listed here may be addressed to the station in care of its associated “main” station—for instance: Chief Radio Operator, U.S. Coast Guard Radio Station NMC6, % U.S. Coast Guard, San Francisco, Calif. “Please Forward.”

Stations marked “USCGAS” are located at CG Air Stations.

Fone: 2003, 2182, 2662, 2670, 2678, 2686, 2694, 2702, 3241, 3253, 3402.5,
4403, 5320, 6230, 41220 kc/s.

Fone (Aero stations): 2182, 2662, 3023.5, 3123, 5692, 5695.5, 8984, 11201 kc/s.

CW: 175, 426, 440, 466, 486, 500, 2666, 2674, 2682, 2690, 2698, 2706, 3241,
3389, 4050, 4298, 4337, 4361, 4525, 4575, 4795, 5320, 6383, 6509, 7530,
7785, 8574, 8650, 8682, 8710, 8734, 11515, 12150, 12718.5, 12750, 12786,
12889.5, 16983.2, 17146.4, 17247.2, 18722.5, 22545, 25380 kc/s.

NJN Argientia, Newfoundland
NMA Miami, Fla.
NMC San Francisco, Calif.
NMD Cleveland, Ohio
NMF Boston, Mass.
NMG New Orleans, La.
NMH Washington, D.C.
NMJ Ketchikan, Alaska
NMK Cape May, N.J.

NML St. Louis, Mo.
NMM Dubuque, Iowa
NMN Norfolk, Va.
NMO Honolulu, Hawaii
NMP Chicago, Ill.
NMQ Long Beach, Calif.

Continued

ATTENTION! CB OPERATORS

SAVE ON CITIZENS
RADIO EQUIPMENT

Buy Used And
Discontinued Models
From International
Radio Exchange

Select that extra transceiver for mobile or base installation, or equip a new station. Our stock includes International types as well as other makes.

Write Today For A Complete
List Of Equipment In Stock



INTERNATIONAL

RADIO EXCHANGE

18 NORTH LEE, OKLA. CITY, OKLA.

A Division Of International Crystal Mfg.
Co. Dealing In Used Citizens
Radio Equipment



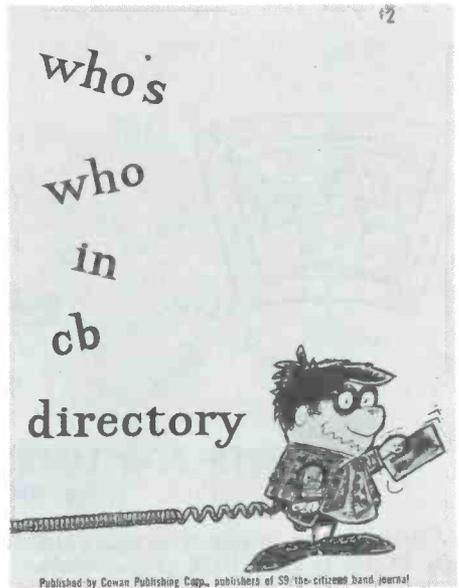
NMR	San Juan, P.R.
NMV	Mayport, Fla.
NMW	Seattle, Wash.
NMX	Baltimore, Md.
NMY	New York, N.Y.
NMZ	Chattanooga, Tenn.
NOA	New London, Conn. (CG Academy)
NOB	USCGAS, San Francisco, Calif.
NOE	Rockland, Me.
NOF	USCGAS, St. Petersburg, Fla.
NOG	Sault Ste. Marie, Mich.
NOJ	Kodiak, Alaska
NOK	Key West, Fla.
NOM	USCGAS, Miami, Fla.
NON	Alameda, Calif.
NOP	USCGAS, Brooklyn, N.Y.
NOQ	Mobile, Ala.
NOR	USCGAS, San Diego, Calif.
NOS	USCGAS, Salem, Mass.
NOT	USCGAS, Traverse City, Mich.
NOU	USCGAS, Annette I., Alaska
NOV	Meadowdale, Wash.
NOW	USCGAS, Port Angeles, Calif.
NOX	USCGAS, Biloxi, Miss.
NOY	Galveston, Tex.
NOZ	USCGAS, Elizabeth City, N.C.

\$9

FCC EMERGENCY NOTIFICATION CARDS ONLY 2¢ EACH!

Section 95.85(1) of the CB rules states that if you use your CB gear for any emergency, even for calling for help for a stranded motorist, you must notify (in writing) both the FCC in Washington and your local FCC office. You must do this for each time you use your CB rig for emergencies. These FCC Notification cards were specifically designed to cut to a minimum the paperwork necessary for well meaning clubs and individuals—they contain all of the necessary wording (and are even addressed)—all you do is fill in a few blanks, stamp, and drop into the nearest mailbox. They come with a list of addresses of local FCC offices. Available postpaid in packages of 50 for only \$1. Thousands of these cards are already in circulation. Order now from:

Project Aid
\$9 Magazine
14 Vanderventer Avenue
Port Washington, N. Y. 11050



The GIANT Who's Who in CB Directory

Yes, the big, giant, fantabulous vital statistics on every "In" CB'er on the band; hundreds upon hundreds of listings showing call signs, names, addresses, telephone numbers, monitoring channels, club affiliations, hobbies, ham calls, etc., also a personal message from almost every CB'er listed especially for you. This rare first edition (a limited print run), containing over 1500 listings, will shortly be mailed out to those CB'ers who have reserved their copies.

How and when do you reserve a copy? You do it NOW! You do it by filling out the form at the bottom of this page and returning it to our office with your remittance. How much? Well, if you are listed in the Directory (having filled out a form from a previous issue and sent it in), the \$1 which you sent in for your listing is deductible from the \$2 cost of the book, and you have only to send in an additional \$1 to receive your copy. If you aren't listed, the price is \$2, postpaid. Dealer inquiries are invited. So send that order in now, we don't know how long the supply will last.

Only **\$2***

postpaid N.Y.S. Residents please add 2% state sales tax.



* \$1 directory listing fee is deductible for those CB'ers listed in the book.

Who's Who In CB Directory 1965-66
% Cowan Publishing Corp.
14 Vanderventer Avenue
Port Washington, N. Y. 11050

Name: _____ CB Call _____
Address: _____
City: _____, State: _____, Zip: _____

I enclose \$ _____ for _____ copy(ies) of Who's Who in CB. I _____ am _____ om not listed in this Directory.

Write to our advertisers for special product news

December 1965 • 39



BEST BETS FOR LISTENERS ON THE DX BANDS

by RICK SLATTERY

Ted White of New Miami, Ohio, uses a Hallcrafters SX-140 to pull in DX (via a window-frame antenna). He reports that the following stations have QSL'd already: *BBC*, London, on 21455 kc/s at 0900 EST (BBC never used to QSL, Ted); *CHU*, Ottawa, Ont. (the station which sends out CW time "pips") on 7335 kc/s 24 hours a day; *Radio Prague*, Czechoslovakia, 7345 kc/s at 2000 EST; *Radio Bucharest*, Roumania, on 7195 kc/s at 2100 EST; *Radio Zambia*, Malawi, 3955 kc/s at 2300 EST (real nice catch—Ted had to dig this one out from under 80 meter Ham QRM); *Radio Ankara*, Turkey, 7295 kc/s at 1500 EST; *Radio Warsaw*, Poland, 7295 kc/s at 1800 EST.

Terry Henry of Keene, N. H., was listening to a broadcast of *Deutsche Welle*, Cologne, Germany, and heard them ask listeners to send in picture postcards of their local area. Terry sent the station 6 by airmail and was soon rewarded with a QSL card by air mail. A week later he received a beautiful 12 inch blue satin pennant with white lettering, also a nice letter from the station. Here's a chance for readers of this column to add this pennant to their shack walls as *Deutsche Welle* is easily heard throughout the U.S. and Canada on many frequencies—and in English too!

Many readers keep writing to ask about which SWL clubs are active and worthwhile. Several times we have suggested long lists of clubs, but it would appear that some just aren't around any longer. To get the record straight, we heartily endorse the following two DX clubs: Newark News Radio Club, 215 Market Street, Newark 1, N. J. (dues \$5, sample copy of their very large monthly bulletin covering all aspects of DX'ing in great detail is only 25¢ and well worth it); and DX Internationale, % the Inter-Nation Program, 91 Court Street, Newton, Mass. 02160 (membership fee is \$2.25 per year, sample of their interesting and useful DX bulletin is 25¢). Please mention S9 when writing to these clubs. As far as the other clubs go, we used to receive very nice bulletins from a few, such as the NASA, but bulletins haven't been received for some time

now so we can only presume that they have either taken us off their mailing lists or have suspended operation. If there are any active DX clubs out there, we would appreciate being placed on your mailing list and will reciprocate by passing along news of your club to our readers.

Rodney Johnson, Hampton, Va., has been a busy fellow since he erected his new 120 foot antenna. He reports the following stations heard on the broadcast band: *CKLW*, Windsor, Ont. 800 kc/s at 1945 EST; *CBX*, Edmonton, Alta., 740 kc/s at 1955 EST; *CHML*, Hamilton, Ont., 900 kc/s at 2100; *CMBC*, Havana, Cuba, 690 kc/s at 2345 EST; and *XEWA*, Tapachula, Mex., 540 kc/s at 2350 EST. On shortwaves, Rod snagged Tel Aviv, Israel, with English on 9625 kc/s at 1545 EST; *Radio Kiev*, USSR, in English on 9810 kc/s at 1930 EST; *Radio Stockholm*, Sweden, in English on 15420 kc/s at 1400 EST; also a number of CW stations, including the following: *IQH*, Naples, Italy, on 6474 kc/s; *YVG*, LaGuaira, Venezuela, on 6518 kc/s; *CLA*, Havana, Cuba, on 6499 kc/s; *VCS*, Camperdown, N. S. on 6490 kc/s.

Guess what; Tom Kneitel, S9's fearless bearded editor turned on his shortwave receiver and sent in a report—we feel honored. Got his picture in *Electronics Illustrated's* March issue and they said all those nice things about him and all that, but we DX'ers all know him as being the goof-off champ for his lack of reporting to this column. This month, Tom says that he heard Cairo on 9475 kc/s at 1510 EST; also 9790 kc/s at 1519 EST; *Radio Sofia*, Bulgaria, on 9560 kc/s at 1855 EST; *Radio Budapest*, Hungary, 9833 kc/s at 1910 EST; and the following *BBC* outlets: 9410 kc/s at 1508 EST, 9600 kc/s at 1516 EST; 9825 kc/s at 1526 EST; 11820/11860 kc/s at 1530 EST; 11750/11780 kc/s at 1815 EST. On the "utility" bands, Tom brags about hearing the following: "London" testing in SSB on 11634.5 kc/s at 1515 EST; and a "spy" station reading coded numbers in Spanish 4226 kc/s at 1855

Continued on page 63

NEW Heathkit® All-Transistor 23 Channel 5-Watt CB Transceiver



Kit \$89⁹⁵ <small>LESS AC POWER SUPPLY SHOWN</small>	Factory Assembled \$124⁹⁵
--	--

Transceiver Kit & 46 Crystals . . . \$169.90!

- ★ 23 crystal-controlled transmit & receive channels
- ★ 14 transistor, 6 diode circuit for cool, instant operation and low battery drain—.75 A transmit, .12 A receive
- ★ Full 5 watt performance . . . minimum of 3 watts RF output, plus 3 watts audio modulating power
- ★ Front panel "S" meter indicates signal strength & relative power output . . . aids in alignment
- ★ Adjustable squelch control eliminates speaker hiss during standby
- ★ Automatic noise limiter minimizes noise from ignition systems, electric motors, etc.
- ★ ½ uv sensitivity for 10 db signal plus noise to noise ratio
- ★ Built-in PM speaker
- ★ Easy to build with circuit board construction
- ★ Attractive TURNER ceramic PTT microphone
- ★ Handsome die-cast, chrome-plated front panel with rust-resistant aluminum charcoal gray cabinet
- ★ Includes power cables & crystals for 1 channel (Specify) and gimbal mount for versatile installation
- ★ Base mount AC power supply for "fixed" station available soon

Kit GW-14, 8 lbs. \$89.95
 Assembled GWW-14, 9 lbs. \$124.95
 Kit GWA-14-1 AC Power Supply for "fixed" station operation \$14.95

FCC license required. Use must comply with Part 95 FCC Regulations.



Compact "Fit-Anywhere" Size!
 Only 2 7/8" H x 7" W x 10 1/2" D . . . ideal for car, boat, jeep, tractor, any mobile installation.

Complete 23-Channel CB Crystal Pack . . . \$79.95!
 Regular \$135.70 value! 46 transmit & receive crystals for complete GW-14 operation. Order GWA-14-2, 1 lb.

- 4 Money-Saving Reasons To Buy Heathkit CB!**
1. New Lower Prices On All Units
 2. 5% Discount On Any Two 5-Watt Unit Buy
 3. New Lowest Cost All-Transistor 5-Watt Transceiver . . . Kit Or Wired!
 4. Lowest Crystal Prices . . . \$1.99 Each With Order Of One Or More Transceivers!



Heath Company, Dept. 43-12 Benton Harbor, Michigan 49023
 In Canada: Daystrom, Ltd., Cooksville, Ontario

Enclosed is \$ _____, plus postage.
 Please send model(s) _____

Please send FREE 1966 Heathkit Catalog

Name _____

Address _____

City _____ State _____ Zip _____

Prices & Specifications subject to change without notice. GX-142R



NEW!

Free 1966 Catalog
 108 pages . . . many in full color . . . describe these and over 250 easy-to-build Heathkits. Save up to 50% Mail coupon for your FREE copy.

THIS MONTH'S BRAINWASHING: *Subscribe!*

December 1965 • 41

CB CHIT-CHAT

**INDIVIDUALS AND CLUB MEMBERS!!
SEND US ITEMS FOR THIS COLUMN!**

Address correspondence to:

**JOHN KREJC, KB1807Z
60 DIVISION AVENUE
GARFIELD, N. J.**

AREA PUBLIC RELATIONS EDITOR BULLETIN BOARD

**The only new appointment this month to
the A.P.R.E. program include: Jack Warner,
KLN7284, 608 Nelson Place, Newport Ken-
tucky.**

WESTERN

Mrs. Lorraine Hayes, KNE1587, of 691 West Center Provo, Utah, is slated as the next Secretary of the Squaw Peak Chapter of U.C.B.A., based at Orem, Utah, she is acting presently as the temporary Secretary. . . . Her appointment will be made permanent at the next regular meeting by the board of directors. . . . She is taking the place of Mrs. Claren Larson, who is the wife of the present president, she resigned her position as secretary due to poor health.

Mrs. Lorraine Hayes, KNE1587, a member of Squaw Peak Chapter CB Club Inc. and a very active member of REACT and also the mother of three girls and two minor boys, saved the life of a man and his son on September 1st by quickly witnessing an accident at her activity of a automobile hitting a bicycle at the corner of 7th West and Center in Provo, Utah. . . . She immediately contacted the police and ambulance on her rig and by quick action saved the life of the father riding the bicycle, the son riding with his father was killed outright. . . . this is an outstanding compliment to REACT and its local members. Mrs. Hayes needless to say went without public recognition for her efforts.

Radio-Active Cow: On or about the first of September, an out of state CB automobile struck a cow broadside in the community of Springville, a call for help; ambulance and police was sent out to various CB operators in the area, for some reason or other the calls for help just didn't reach the right activities. These appeals for help were intercepted by the ever active REACT Group Leader of Provo, Utah, Mrs. Lorraine Hayes. . . . Police, ambulance, etc. arrived in time to relieve the situation, the cow and automobile was removed from the highway, automobile repaired, cow disposed of and the unknown out of state CB'er continued on his way to his home state after being badly shaken up and minor injuries imposed on its occupants. . . . Hats off again to Mrs. Hayes for her efforts in the public interest.

The Civil Air Patrol under the direction of Mr. Harold Sargent, KLE0972 at Pleasant Grove, states that regular meetings each Friday will be held in preparations for the active fall, winter and spring seasons of the Civil Air Patrol. . . . Meetings will be held at his home in Pleasant Grove, Utah at 8:00 P.M. every Friday night. . . . He further states that all members will be given a course in Radio Engineering through a national school in radio engineering, those completing the course given through the C.A.P. will be eligible to take FCC tests in the field of commercial radio engineering, and resulting in a commercial radio telephone ticket up to and including radio telephone first FCC license. . . . It is not necessary to complete the course to take examinations for lower type licenses. . . . they may be taken as the studies are pursued and the student is prepared to take them. The instructions in radio engineering, I understand, will be given by the state vocational instructor in radio engineering from the State Vocational School at Provo, Utah. . . . Only first class instructors will be utilized by the C.A.P. in their instruction. . . . upon graduation the instruction will be equivalent to the best school in the United States in radio engineering.

The Citizens Emergency Mobile Patrol, Inc., of Reseda, Cal., concluded a very busy summer activity schedule. The group has participated in many events sponsored by civic organizations.

C.E.M.P. is extremely proud to have assisted in such worthy events, as the Emergency Disaster Preparedness Drill—MERCY V end of May, the Chatsworth Chamber of Commerce annual (3rd) parade in mid-June, the Woodland Hills "Freedom Seasons" parade on July 3rd, and the same day in the evening, an event sponsored by the Matadors Booster Club, of the San Fernando Valley State College a Concert and Fireworks Display. C.E.M.P. units maintained traffic control and patrolled restricted areas during the displays.

Also, this group assisted the Simi Valley Chamber of Commerce and Rotary Club in their presentation of the Simi Valley "Pioneer Day" 3rd annual parade end of July. In August the group received a call to assist in a search for a little 16 month old girl who was to have swallowed some caustic poison and required immediate medical attention. The girl's parents were unaware of the situation as the grandmother discovered the upset can of bowl cleaner, hours later.

More search and rescue activity for the group was on schedule, when several C.E.M.P. units were dispatched to look for an elderly lady, about 75 years young, who had wandered off from her son's new home and apparently wanted to visit some old friends and became confused and unable to find her way home again. She was found hours later safe and sound in a shopping center, approximately half way between her home and the old neighborhood.

In September, a frantic call was received from a local CB'er asking C.E.M.P. to assist in locating his 12 year old son who had apparently ran away from home after an argument with someone at home. The boy is normally a good and cheerful individual, but has an affliction, slight mental retardation. He too was found miles away but in good health and none the worse for the experience.

At this late date, one newsworthy item, is that C.E.M.P. membership is preparing for its annual election of officers (Board of Directors) on the first Tuesday of the month, November 2nd, this is for the coming year 1966 and each elected official will serve one year or until a successor is elected.

Mountain-Airs CB Radio Club, 10/20 Kernville, Calif. Date line Sept. 26th. A surprise birthday party was given for Mary Looy, KFB0376 (club pres.) and Nancy Sager, club member by fellow members of the club. The party consisted of an outdoor hamburger fry, held in the Kern City park along side of the beautiful Kern River. Approximately 50 persons were present including children. CB unit were as follows: KFB0376, Lawrence Looy, (unit #1); Chuck Sager, (unit #2); KFA1490, Thos. Frazier; KFA7232, Roy Stenson; KFA9467, Wm. Klahn; KFA8052, Lewis Self; KXX-1728, Evert Beathy; KMX5567, Francis Moomaw. The Ridgecrest Chinlake area were represented by KFA-7278, J. L. Brady (Sidewinders CB Club) and KFA2936, Ted Wright (Desert REACT).

Sidewinder CB Radio Club, 10/20 Ridgecrest/Chinalake area, California. The 5th annual local fair and parade came off with a bang! Ten local CB units cooperated with the fair in the directing of parade necessary 10-5's throughout the town of Ridgecrest. The ten units were under the direction of KKD6782, Martin M. Manger, as CB coordinator for the parade, other units working under Mr. Manger were as follows: KFA5429, Jim Malone; KMX5567, Francis Moomaw; 11Q0327, Ed Read; KXX2674, Charles Ulrich; KXX5690, Frank Peck; KFA7278, J. L. Brady; KFA, Paul Brady; KEJ-3958, Earl Suladie and KEJ6964, G. E. Whiteside (local A.P.R.E.).

Tragedy struck in the San Fernando Valley, on the

evening of Friday, Oct. 1st, 1965, the Citizens Emergency Mobile Patrol Operation officer received an emergency alert necessitating in mobilizing the groups available units into the field of an area of approximately 100 square miles.

Word was received from John Bisceglia of Radio Station KGIL Newsroom, that the West Valley Police were requesting aid of all citizens to assist in locating a man who had taken his two small children and threatened to kill them. The efforts to locate the man were in vain hope to prevent him from carrying out this threat.

Some twenty police units and 16 C.E.M.P. units scoured the West Valley area streets and parking lots of shopping centers, apartment dwellings and even commercial industrial areas for the victims automobile, with what meager description of it and its occupants was available. For at least two hours the search continued when one police officer spotted the victims car in a motel parking area on Ventura Blvd. When the police entered the room to have been occupied by the man and the children, the appalling discovery was made . . . too late the man had carried out his threat. There lay the two children, one a 6½ year old boy and his 4½ year old sister, dead, beside the body of their father who had taken his life also.

Notes were found where the father had planned this murder-suicide for weeks and on this Friday had called at his estranged wife's home to pick up the children to take them for a ride, and about an hour later he had called his wife telling her that he had killed the two children. She in turn called the police which triggered this mass hunt, unfortunately too late.

It was a sad and dazed feeling that C.E.M.P. units returned to their homes, unable to understand the minds of some individuals that leads them to acts such as this. With fervent hope we hope we will not be too late next time. To qualify this report, it is to be noted that John Bisceglia, KEJ5862 is a member of Citizens Emergency Mobile Patrol, Inc. as well as this A.P.R.E.

CENTRAL

Sunday, September 12th, 1965, was a big day for us at Cuyahoga County REACT Headquarters. We had the extreme privilege of setting up a base station at the Cleveland-Sheraton Hotel on the "parlor floor" at downtown public square. We were using a base station and a ground plane was mounted on the 10th floor of the building.

The purpose of the REACT station was to provide "instant" and immediate communications for the Teenage March on Leucema for St. Jude's Hospital which TV-star Danny Thomas sponsors every year. Your county coordinator (KH11466) cleared channel 21 around noontime on Sunday and we had two mobile units to cover the East and West side of Cleveland. Our REACT men were authorized to carry night sticks as we were picking up large sums of money for the Alsac fund drive. All operations went like clockwork at the hotel. The area chairmen would give your director messages for the Alsac pickups. The Cleveland Press, Plain Dealer, and other city officials came into the room to see our operations. We would like to thank our city director for the Alsac drive at this time, Mrs. Emilie Ganium who made it all possible for "net operations" at the hotel.

I would also like to thank the Suburban Rescue Squad at this time for the wonderful security detail at the hotel, handling large sums of money for the Alsac drive. Thanks goes to: Glenn A. Barth, KH15814; James Eland, KLN6559; Rick Hilberg, KHJ2097; Dave Olesko, KLN3221; and to Tom Rucker, KNN0145. I would also like to thank Lafayette Radio "Associated" store and Max Goldweber at 2001 Euclid Ave., for donating 250 feet of RG-8U cable for our operations.

WKYC, radio station 1100 in Cleveland kept plugging REACT Alsac Control and the Suburban Rescue Squad a few days in advance.

Everything went like clockwork at the hotel and I am hoping that Mrs. Ganium will ask our teams back for next year's drive and march. We would also like to thank the 16,000 teenagers who marched for the Alsac drive in Cleveland.

News of the group comes from: Jon G. Batley, KH1-1466, APRE for Cleveland, Ohio.

A new CB'ers club has been organized in South Dakota. They have chosen the name of "The Circle CB'ers." The President is Floyd Morrison, KNF1047 of Artesian, S. Dakota, Vice President, Dean Loon,



The Eleven Meter Emergency Service of Ohio held its Picnic on Sept. 6th, at the Richland County Coon Hunter's Farm just east of Savannah, Ohio. With a drawing at 4 o'clock for the Browning Eagle Base Station.

The winner of the Browning Eagle was Ronald Mumea of 365 Wellow Drive, Plymouth, Ohio, who is the son of KHG5721, Adam and Evelyn Mumea of Plymouth, Ohio. So we can expect Ron and his wife Rita to be on the air soon, along with the background skip of Greg, Kristi and Karen.

The Eleven Meter Emergency Service is also planning to try the 24 hour a day monitor Ch. 9, H.E.L.P. for motorists in the Mansfield, Ohio and vicinity. Final details are being worked on at the present time. So if you are in the Mansfield, Ohio area and need help, just give your call letters and ask for the H.E.L.P. monitor.

KNF0980 of Alexandria, S. Dakota, and Secretary and Treasurer is Mrs. Dale Nopens, KGG0148 of Alexandria, S. Dakota. At the present time we have 19 members.

The club holds their meetings every second Saturday night of the month. We have rented a schoolhouse under the name "Glee Lake School." This is located north of Fulton, S. Dakota. The Constitution and By-Laws and Membership Rules were made and approved by the members.

The regular business meeting of the Tri-County Citizen's Band Radio Club was held Friday, October 1st at the Hager Township Hall in Riverside, Michigan. New officers were elected, they are: President, William Hobby; Vice-President, Guy Nichols; Secretary, Mrs. LeRoy (Dorcas) Bartalone; Treasurer, Mrs. Robert (Dede) Stearns.

Gene Dodge, of Watervliet, was appointed Social Director for the CB Club for the 1965-66 year.

The Tri-County Citizen's Band Radio Club meets regularly on the first Friday and the third Saturday night of each month at 7:30 P.M. Any interested CB'ers are cordially invited to attend and visit over refreshments.

The Tri-County CB Club address is: P.O. Box 24, Coloma, Michigan and their meeting place is the Hagar Township Hall in Riverside, Michigan.

The Livewire CB Club of Elgen, Ill., held their monthly meeting at the Carpenters Union Hall. It was decided to erect monitor channel 9 signs on all major roads near Elgen. The club recently held a hay ride party and they are making plans for a Halloween Dance Party.

The 11 Meter CB Club of Dundee, Carpentersville, Algonquin and surrounding areas have been very active in donating their time to Police Depts., with traffic control in parades held in the towns. They have purchased club shirts and decals and club jackets.

PACIFIC

Two boys, 11 and 12, were returned safely to their home August 10th after being out overnight by the Sheriff's Department and their search and rescue teams. The boys were last seen the day before at 3:30 P.M. heading for a densely wooded area on the outskirts of

the town of Ashford near Mount Rainier. When the parents' search failed to find the missing boys, the Sheriff's Department was notified. The Tacoma Citizens Band Radio Association, Inc. Search and Rescue was called at 5:30 A.M., the morning of the 10th. Teams were made up of Sheriff's Deputies, employees of the Department of the Interior, Webfoot Jeep Club, The Tacoma Citizens Band Radio Association, Inc., and other volunteer searchers. At approximately 10:30 A.M., TACBRA member Bill Wagner and Deputy Ted Langlais, who were doing routine questioning of store owners in the vicinity, were informed that the boys were seen attempting to obtain food at a nearby drive-in. By 10:30 A.M. the boys had been found and returned to base camp. The only ill effect of their night out was that of being hungry. They related that they had spent the night in an abandoned car out in the woods. After all the teams had returned, the parents of the boys served the Sheriff's Department and Tacoma Citizens Band Radio Association, Inc. searchers a delicious lunch.

The second annual picnic jamboree of McKenzie C.B.R.A., Inc. was held September 12, 1965 with tremendous success. Blessed with a beautiful autumn day of sunshine and 75 degree temperature the place was really hummin'. Handshakes, QSL swaps, and "eyeball QSO's" were the order of the day. Yours truly has never met so many new friends in one day before.

Our two head Chefs for the day—Sonja Tracer, KFG-0595 and Carol Piquet, KNC0013 called a halt to all the "jawing" at 1:30 P.M. and we sat down to food fit for a king. Gosh, I didn't know that potatoes, beans and macaroni could be fixed in so many delicious ways.

After lunch our "MC" Andy Olsen, KFH0105 proceeded to give away lots of "goodies" periodically which had been donated by our local merchants, by means of a series of drawings. Some special "goodies" presented were: A folding metal table to Ed and Midre Tremaine, KLA5064 of Fortuna, Calif. for having traveled the greatest distance to get there. A 30 cup coffee maker to the CB Rouges of Eagle Point, Oregon for having the largest organization group present. A very fine volume of cooking recipes to Nettie Velkinburg, 13W2004 for having the oldest valid license. (You only made it by two months, Mom.)

Lyle King, KLC0919 of Milwaukie, Oregon took home a brand new Sonar FS-23 for one buck!! I thought I had the inside track on this one but got "foiled again." The set was donated by Radio City, the Sonar dealership for this area. Many thanks to Bob Juelke, KLC-0508 and Paul Menne, KNC1476, the owners.

CB dealers present with excellent displays of their wares were: Bill Ueland, KFF0622 of Reedsport, Oregon; Sam McCullough, KFF0728 of Cottage Grove, Oregon; Roger Bishop, KLC1464 of Albany, Oregon; Lyman Mehuron, KLC1629 of Eugene, Oregon; Chet Keith, KFG0784 of Veneta, Oregon; Jeri Smith, KLC-2043 of Creswell, Oregon, with a Tupperware display for the ladies.

Warren Pritchard, KFG1703 and his band provided excellent entertainment throughout the afternoon. There is nothing like good music to make a picnic enjoyable!

To our "four hundred plus" people who graced us with their presence, a sincere thank you for making this event such a success. We hope you enjoyed yourselves. We did our best to make you feel at home. Please be kind enough to visit us again next year and bring a friend.

A very special thanks to S9 Magazine for plugging our Jamboree for three months. It was an extra boost which was greatly appreciated.

There are better than 300 members active in the Tri-State Radio Emergency Associated Citizens Teams, commonly known as REACT, and organized to provide emergency service through a network of Citizen Band Radios.

Channel 9 has now been appointed the monitoring channel for the Tri-State. This channel was appointed the monitoring channel last month at our local Tri-State REACT meeting. We were real pleased with this motion, which was brought forth and passed by our club. We think that this was one of the best things that has happened for REACT. Since then, this has worked out real well for us in monitoring.



CITIZENS
BAND

Crystals

are Precision-Matched for Hundreds of
Transceiver Models



Z-9R

PR now furnishes "precision-matched" crystals already coded for use in more than 400 of today's makes and models of CB equipment. By "precision-matched" we mean that the crystals not only match the circuit, but they have been tested in actual operation in each individual make and model.



Z-13

EVERY PR CRYSTAL IS UNCONDITIONALLY GUARANTEED

PETERSEN RADIO CO., INC. 2800 WEST BROADWAY
COUNCIL BLUFFS, IOWA



In the above pictures you will find a member of our team who claims the service of underwater diving and emergency water rescue. This gentleman, is Paul Kendrick, a very active REACT member. In addition to being underwater rescue, you will find that Paul also carries: battery jumper cables, flares, a fire ax, first aid kit, field glasses, rope, one watt walkie-talkie radio for emergency use.

We the members of the Huntington, West Virginia REACT think that we have one of the most efficient groups for miles around. I read S9 every month and thought that the newsletter I am about to write will fit the next or any of the summer additions.

The first thing that I would like to point out is the Scuba Team. There are four members of this team. We are real pleased with this team, and I assure anyone that calls on this team will receive help in a short time. These men have experience in first aid, which is very important when it comes to underwater recovery. The REACT is always willing to help and will do their best to help in anyway they can in underwater recovery in the Huntington area.

The Huntington area consist of not only West Virginia, but of Kentucky and Ohio also. We at all times will work with the City, County, and State Police. The Fire Department's are the ones that answer the calls when there is a drowning and we always standby on such an event.

The next thing that I would like to point out is that we also have an emergency location plan which we use for finding a person which is lost in the area. At this time the REACT is divided up into separate groups, and then team captains work with each of their groups together and forms the squads.

ATLANTIC

At the September 9th meeting of The Norfolk Citizen Band Club Inc., Al Crane reported that all of the hospitals having antennas for Civil Defense use were in good shape. Thanks to Al and his helpers there is now a new Super Magnum on the roof of the City Arena which is the Headquarters for Civil Defense in the Norfolk, Virginia area.

Really making progress is the CB Assistance Club of Chesapeake, Inc. As you may have noticed they just added the Inc. to their name. Their meetings are held the 1st Sunday and 3rd Wednesday of each month at KCJ8542, Lyman Riddick's 10-20. The club welcomes all visitors. Post Office Box 13113 is their mailing address.

Also recently Incorporated was the Dismal Swamp CB Club Inc. of Chesapeake, Virginia, which meets the 1st Wednesday of each month at a members home. This Club monitors ch. 23. We wish it were ch. 9, however it is still good that everyone doesn't use ch. 11.

TERRAC is again planning another night's entertainment at the Marine Room of The Giant Open Air Market and we don't see how it could be better than the last ones but the committee promises that it will be. New members this month are: Belle Click, KKD-

EXTEND COVERAGE IMPROVE SIGNALS

with

MARK STATIC SHEATH* CB ANTENNAS

eliminate precipitation static*
improve signal-to-noise ratio and
receiver sensitivity up to 20 db

MARK II SUPER BEACON BASE STATION ANTENNA

Wide use has proved its ability to step up the efficiency of CB communications. Aperture of 19 ft. (overall length) makes excellent use of legal height. Low-angle radiation directs signals to horizon for longer-range high intelligibility contacts. Employs full half-wave vertical radiator, with important 52-ohm impedance match. VSWR is below 1.5:1 across entire citizens band. Aluminum radiator with Static Sheath*. Requires no radials or skirts. Improves performance over all coaxial and ground plane antennas. Extremely rugged, and easy to install.

MARK HW HELIWHIP*® MOBILE & MARINE ANTENNAS

Allows you to use a shorter antenna with greater efficiency and convenience. Flexible, high-strength, molded fiberglass core with exclusive Static Sheath*. Helical conductor with uniform current distribution, top loading, and precise 52-ohm match. Easy single-hole mounting. Can be located on upper portion of vehicle, such as trunk, fender or hood to obtain sufficient ground plane for proper radiation. Performance is far superior to whip and loading coil combinations. HW-11 Series in 18-in., 3 ft., 4 ft. and 6 ft. models.

Precipitation Static is caused by charged particles in the air impinging in a continuous stream on metal antenna radiator surfaces. The patented MARK Static Sheath is a tough durable, dielectric plastic covering that eliminates this static interference.



MARK II
only \$36.95
HW-11 Series
from \$7.20

*U.S. Pat. 2,966,679
U.S. Process Pat. 2,938,210

GO PRO GO MARK

MARK PRODUCTS

DIVISION OF OYNASCAN CORPORATION
5439 W. FARGO AVE. • SKOKIE, ILL. 60076 • (312) DR 5-1500

CB IN ACTION

By Les Hench, KHA3272
Sales Manager
Pearce-Simpson, Inc.



H.E.L.P. AN UPDATED REPORT

In our May column we felt that the H.E.L.P. program was important enough to warrant an article describing its structure, backing and purpose. Since that time, the program has grown rapidly and it is becoming more and more evident that H.E.L.P. is being put into effect across the country. It is emerging as one of the finest programs for safety an demerency purposes to share the radio spectrum since police and fire radio communications were officially authorized. Citizens Band clubs and organizations devoted to perpetrate the cause of Citizens Band radio are beginning to consolidate their efforts and operations to mesh with the H.E.L.P. concept and program. Channel 9 is becoming a true emergency calling frequency. As a matter of fact, there are many parts of the country where Channel 9 is completely silent except when an emergency call is being put through. Operations in areas such as this are tending to create more and more interest in the H.E.L.P. program, not only among Citizens Band clubs and organizations but also among official organizations devoted to highway safety and planning.

The Federal Communications Commission is becoming more and more favorably disposed toward the concept of the H.E.L.P. program and is beginning to examine the evidence based on all of the reports emanating from various parts of the country. People like yourselves who do much to support the program will eventually be responsible for its official sanction. Your cooperation will play an important part in gaining the sought after official approval.

Many manufacturers are also adding their support to this vital program by producing and designing units that lend themselves to this particular mode of operation. For the first time since the Citizens Radio Service was founded, manufacturers, distributors, consumers and official agencies are pulling together for the adoption of the H.E.L.P. program as the first truly official and workable emergency system.

We urge you to adhere to the purpose of the H.E.L.P. program and what it stands for. Your comments are vital and have been and will continue to be forwarded to the proper agencies. Please continue to send us any further ideas or methods for better implementing this most important program.

Looking forward to hearing from you.

WIN A COMPANION II CB

Your story of "CB in Action" can win a COMPANION II CB. Write and tell us how CB helped perform a service or helped you or your community in an emergency. Send your story to Les Hench, National Sales Manager, PEARCE-SIMPSON, INC., P.O. Box 800, Biscayne Annex, Miami, Florida 3152.

NOTICE !!

I'M BUYING-All 1955 U.S. 50¢ pieces for \$3.00 each!
All U.S.pennies before 1940 for 3¢ each! 1943 "silver" pennies-5¢ each. "Mercury" dimes before 1940 for 15¢ each. Buying any amount from 1 to a bagful-and refund your postage too! SEND

HARAL ASSOCIATES,

Dept. C , 1133 Broadway, New York, N.Y. 10010

4493; Ricky Fogle, KKK7549; and Willard Curry, KKK-7815.

The party held at the home of Joe Holloway, KKK-2866 on September 28th sure turned nicely. Joe is the incoming President of the Virginia Beach Citizens Band Radio Club. Fried chicken and all the trimmings were heartily enjoyed by everyone.

Chuck Bridgewater, KKK8184, wishes to thank all area CB'ers for the sympathy they expressed in the passing of his wife, Pat.

News of the Tidewater, Virginia clubs is from Bob Smith, KKK6249. Anyone having any news, please pass it on to him.

NORTHERN

Donald R. Shue, APRE from York, Pa. reporting: The list of officers from the area's newest CB club have just been released. Named the YORK TEENAGE CB CLUB, the membership is made up of boys and girls whose parents hold current CB licenses. KCD4258, Don Cooper was elected president, Mike Bixler, KKG0449, 1st V. P.; Daryl Hancock, KKG5038, 2nd V. P.; KKG-1741, Jeff Edmonds was elected Treasurer while Jeff Weiner, KMG1111 was chosen to serve as Assistant Treasurer. Secretary is Jane Schenck, KMG0518. Judy Edmond was elected Recording Secretary. Her parents number is KKG1741. Sgt. of Arms is Debby Ellwein, KKG4309. The club meets the second Sunday of each month at the homes of different parents. The Board of Directors and the objectives of the club will be reported in next month's issue.

York County REACT sponsored an area wide family-style picnic at Muserss Farm. The picnic was open to CB'ers and non-CB'ers. It is indetermined at this time how many non-CB'ers were converted to CB... at least 9944/100% (I hope!). The picnic was held on Sunday, September 6th. Lewis P. Klinedinst, KCD2427, was a patient at the York Hospital during the early part of September for an arm operation. Lew is a board member of York Co. REACT and a member of York CB Assistant Club and is now back in the swing of things as far as CB is concerned.

Members of the York CB Assistant Club handled communications at the state-wide firemen's convention parade held in York on September 25th. The parade lasted for approximately 3½ hours and passed over the main streets of the city. Club members were stationed at each intersection along to parade route to request aid should any of the parade participants or spectators needed medical assistance or other aid. At least 30 members manned their mobile units and portable sets clearly identifiable from a distance with their club poster prominately displayed. The club handles the annual Halloween parade in a similar manner.

On July 17th and 18th, 1965, the fourth (4th) annual M.C.E.U. (Mobile Communications Emergency Units) Convention and Jamboree was held in Fremont, Nebraska. The Pioneer Chapter (Fremont, Nebraska) of M.C.E.U. were host for this occasion.

The National Officers elected at the Convention were as follows: National President, Ralph Tanner, 20W-8401, 230 East Main Street, Watertown, New York; National Vice President, Gordon Strader, KNM1657, 2241 Central Parkway S.E., Warren, Ohio; National Executive Secretary, Allyn Sponable, 20W5131, R.D. #1, Martville, New York; National Treasurer, W. C. Hutchings, 20Q3841, 1903 South Avenue, Syracuse, New York.

National Board of Directors include: Mike Davis, KHI0995, 5036 Alva Ave. N.W., Warren, Ohio; George DeVeau, 1W8215, 65 Brown Ave., Jewett City, Conn.; Forrest Sselect, KHH0519, 1358 Towers, Oregon, Ohio; Kenneth Kirk, 19Q5174, 6151 Abbey Ave., Kalamazoo, Mich.; Mariam Caris, 19Q7458, 1518 Sunshine St., Oregon, Ohio; Clifford Carpenter, KHG6261, 146 Airport Rd., Warren, Ohio; Jerry Rosenberg, KEG4952, 404 W. Cork St., Kalamazoo, Mich.; Joe Musumeci, 20W4525, 60 Bakeman St., Fulton, New York; Irving G. Conron, KGI0883, 2333 Phelps Ave., Fremont, Nebraska; Donald Eix, Sr., KGH5879, 1246 Roxe, Fremont, Nebraska; Bernice Tanner, 20Q2606, 230 East Main Street, Watertown, New York.

The Jefferson County Chapter of M.C.E.U. holds their monthly meetings on the third Tuesday of every month at the Town of Watertown Fire Barn at 7:30 P.M. All CB'ers welcome to attend. Refreshments served.

The REACT Radio Patrol Inc. of Hagerstown, Maryland will also be known as The 11 & 40 Citizens Radio Club due to circumstances that arose at a recent card

swap where it was debated that since the team members were part of a REACT organization they were not considered a club. It should be pointed out that any radio team who operates under REACT only has two items that have to be fulfilled to be a REACT team; a 24 hour monitor on Channel 9 and this we have. The rest is up to the persons who form this type of organization. REACT is not concerned how you form your team or club. Our team is formed as a club, we elect 5 coordinators every 2 years, we pay dues, have our own by-laws, etc. The REACT Radio Patrol Inc. has been issued the call letters of KMI2340 by the FCC for emergency and assistance, for police, fire and civil defense work. Recently members under the direction of Police Lt. Lewis Blenard were called to assist in the search for 2 missing boys in the Hagerstown area and it is largely due to the turnout of members that flushed the boys from their hiding places and they were returned home. When on Routes 11 and 40 through Hagerstown, Maryland information is available 24 hours a day on Channel 9 by calling for REACT.

Members of The Tri-State Citizen Band Club of Hagerstown, Maryland recently assisted with radio communications at the River Regatta held on the Potomac River around Williamsport, Md. area. All types of water sports and thrills were on hand and communications helped the effort and added to the overall performance of the show.

Word has it from Omar Middleton of Clearbrook, Virginia a REACT team has been formed with members of the Martinsburg, W. Va. and the Hedgesville, W. Va. area. No new news from this area, but they should be getting their team in good order. Good luck Omar on the team and much progress.

Had a short talk with Bob Barnhart. KK13501 in the Frederick, Maryland area and Bob advises soon the Frederick Co. CB Club will have a 24 hour manned station on top of Braddock Mountain near Frederick, Md. and they will operate under the H.E.L.P. program which had considerable help from The National REACT organization. Monitor channel will be 9 and at present mobile units are working this system until their building is erected. Good luck on the mountain and 73's
... Jim Cross.

The Northern Berkshire Emergency Communications Club Inc. at a special meeting last night in the Adams Town Hall, welcomed Steven Kappel, national sales manager for Electronic Communications Inc. of White Plains, N. Y.

Mr. Kappel presented the club with a "Courier 23" CB Transceiver, to be used in the club's emergency truck. Mr. Kappel also gave a brief talk on the history of Citizens Band Radio, and showed club members some of the latest CB equipment.

The emergency truck equipped with rescue items and a trailer containing two-100 watt search lights, did not previously have communications. The new radio which has a sending and receiving power of 25 miles or more, will provide the much needed communications for the truck.

The gift of this radio was made through B & M Sales Service of North Adams, the franchised Courier dealer in this area.

The NBECC was formed three years ago to serve the Northern Berkshire area and the town of Adams as a search and rescue group. The club, which has 75 members, provides not only help in search and rescue but also aids the Adams police in patrolling streets during Halloween, coordinates parades, and provides communications wherever necessary.

On hand for last night's presentation were club members and officers, Adams selectmen and Police Capt. Lawrence Clarkson.

Western Mass. REACT, Inc. held their election of officers on Sept. 7th, 1965, at the AMVETS Hall, 754 Montgomery St., Chicopee Falls, Mass. They meet the 1st Monday of every month. Elected were: President, Lawrence Stebbins, KBC2856; Vice-President, Robert Black, KBA2094; Secretary, Doris Morrill, KBD1804; Treasurer, Andrew Fanos, KBC8119.

Board of Directors includes all Elected Officers and the following: Robert Goyette, KBD3175; Ray Alheim, 1Q6445; Edward Blanchette, KKA5438.

Western Mass. REACT, Inc. has been very successful in its activities. Most recently, while engaged in a search for a lost baby, the search ended with 2 persons found. An elderly woman had also been missing overnight and nobody had been aware of it!! Another re-

CRYSTALS are not all the same!



TEXAS CRYSTALS quality is outstanding as evidenced by use in numerous government space projects where there's no compromise with quality, reliability or accuracy. The same dependable performance is yours for CB operation on all 23 channels at only \$2.95 per crystal.

If your dealer is temporarily out of stock or does not carry Texas Crystals, send us his name along with your order. Minimum order, check or C.O.D. is \$5.00. Add 5¢ per crystal for postage, 10¢ for air mail.

Send for Free Catalog with Circuits

TEXAS

1000 Crystal Drive
Fort Myers, Florida 33901
Phone 813 — WE 6-2109



CRYSTALS

4117 W. Jefferson Blvd.
Los Angeles, California 90016
Phone 213 — 731-2258

A Division of Whitehall Electronics Corp.



Richard L. Williams, KXK0123, the winner of our July Companion II award. Red Tiel (left) of Tiel Electronic Supply Company, Chula Vista, California, is shown presenting the award to Mr. Williams (right). As was related in the story, Mr. Williams is a Medical Special Operations Technician attached to the Navy SEAL team in Coronado, California. He is an expert in all phases of diving, diving rescue, parachuting and demolition.

cent event was the successful locating of a Springfield, Mass. Golden-Ager. This organization periodically participates in practice alerts with the local hospitals—Providence Hospital and Holyoke Hospital in Holyoke, Mass.—Civil Defense, Police and Fire Departments. Present active membership totals 125. When passing through, stop in and meet us, we welcome visitors. 1st Monday—every month—Amvets Hall, Chicopee Falls, Mass. Monitor 9. (News from Doris Morrill, KBD1804 via S9 A.P.R.E. MLV.)

Mohawk Valley CB Radio Club was formed in Au-

gust, 1965. It boasts a starting membership of 60. In a recent election the following Officers were selected: President, Edwin Oxley, KBC1797; Vice-President, Joseph Leporrali, KMA4205; Secretary, (Mrs.) "Lindy" Nephew, KMA7130; Treasurer, Edmund Koweci, KKB-3600.

Board of Directors: Edmund Collette, KBC9726; James Warger, KMA3355; (Mrs.) Cindy Warger, KMA-3355; (Mrs.) Irma Oxley, KBC6320; (Mrs.) Bea Blanchard, KKB0799; (Mrs.) Ceil La Mountain, KMA1532.

Mohawk Valley CB Radio Club had a "Coffee-Break" on Sept. 12th that was very successful in getting "air-wave" friends to do an "eye-ball." S9 A.P.R.E. Mike La Versa, KKA4462, was very happy to meet many wonderful CB'ers. About 60 free prizes, all donated, were given away. Several items were also raffled off, such as, redwood picnic tables, a new tire, card table, Turner mike, and a couple of transceivers.

The attendance was estimated at about 300 people. Coffee and doughnuts were served free to all. The location of the "Coffee-Break" and normal meeting place for the club is the Millers Falls Rod & Gun Club which is situated in Turners Falls, Mass.

(News from (Mrs.) Lindy Nephew, KMA7130, via S9 A.P.R.E. MLV.)

The new Westfield REACT group held their first meeting on Sept. 8th, 1965, at 19 Kings Place, Westfield, Mass. There were 16 members present. The meeting opened informally at 7:45 P.M. and was led by Edward Ekmalian. He showed the charter and passed out bumper stickers to the group. Westfield REACT then had elections for officers.

Those elected were: Net Co-ordinator, Edward Ekmalian, 483 Loomis Road, Westfield, Mass.; 1st Ass't Co-ordinator, Richard Loso, 52 Jefferson St., Westfield, Mass.; 2nd Ass't Co-ordinator, Larry Barker, Joseph Avenue, Westfield, Mass.; Sec., (Mrs.) Patricia Wolf, 11 Kellokk St., Westfield, Mass.; Treas., (Mrs.) Sandra Fogg, 19 Kings Place, Westfield, Mass.

Wonderful Nana Ardizzonei, KKA6988, belongs to this outfit! Swell Emergency Relay, Nana, keep up the good work! Plans are underway to raise funds by various projects to help equip members with emergency items for their cars. Regular meetings will be held the

WHY SETTLE FOR LESS AT TWICE THE PRICE?

Buy QSL's WHOLESALE!

Before you buy QSL cards from anyone... Write for FREE 16 page CATALOG & SAMPLES. Top Quality, Fast Delivery & Low Wholesale Prices.

CBC WHOLESALE CLUB
Dept. 5
Box 631
Lexington, N. C. 27292

Name _____
Address _____
City _____ State _____ Zip _____

3rd Sunday of every month, 7:30 P.M., at 19 Kings Place, Westfield, Mass. Monitor 9.

(News from Sec. (Mrs.) Patricia Wolf via S9 A.P.R.E. MLV.)

CANADA

Newly reporting is the Plains CB Club of Saskatchewan Provincial. Officers are as follows: President, Russ Rinivich, XM33341; 1st Vice President, Dick Raine, XM33431; 2nd Vice President, Don Pinney, XM33919; Secretary-Treasurer, Pat Rinivich, XM33342. Meetings are held the first Wednesday of each month in the CB Office in Regina. Present membership is 26. All club members are enrolled in CD and the majority are enrolled in Central General Radio Service Ass'n. The group stands by on American channel 9 or its counterpart, Canadian channel 6.

SOUTHERN

The Citizen's Band Radio Operators of Key West, working with the Southernmost CB'ers Club established a life-line of communications with the local sheriff's department from the early hours of September 7, unceasingly, until Hurricane Betsy was well out into the Gulf.

The work, which had many CB'ers awake for 48 hours straight, consisted of relaying messages concerning any sort of trouble that was developing in the city, such as flooding, fallen trees, wires, and the evacuation of persons desiring shelter from threatening high tides.

There were many mobile units (car) involved as well as base units (home) in the emergency. Once a unit would report trouble, it would be relayed down to the Sheriff's department where the information was channeled to the proper authorities.

It was very dangerous work for the people involved, but was as well rewarding because of the expressions of appreciation from local and county officials.

Without the excellent help of the efficient Sheriff's Department and deputies who aided the Citizen's Band Operators in many ways, it might have been impossible.

The following is a list of the names of some of the Operators who risked their lives in the invaluable serv-

ice of defending Key West from the Hurricane.

KKP1562 (E. "Bubba" Felton) and his units ranging from units 1 through 10. KKP4180 (Jim Black), KDI-2553 (Benny Fernandez, Jr.), KDI2889 (Anthony Niles), KDI3792 (Cecil Allion), KDI4083 (Joseph Garcia, Jr.), KDI5052 (George Demeritt), KKP1605 (David Russo), KKP2799 (Col. Mower), KKP2902 (Jerry Moreau), KKP3299 (Charlie Metcalf).

KKP3931 (Bill Saunders), KKP4363 (Charlie Sturup), KMP0510 (John Roberts), KMP1218 (Louis Garcia), KMP3184 (George Putman), KMP3328 (George Russell), KMP1077 (A and R Ambulance), KIC6798 (Chis Linquist), KHT6161 (Bill Richie), KKN2598 (Fran King), KKT3521 (Don Carver), KHG0996 (Ron Meinke), KMP1921 (Tony Lariz), KKP3470 (Frank), KMP1432, KKP1496 (Jerry Schnaedelbach), KKP4265 (Larry Taylor).

KKP3748 (L. T. Perpall), KMP1050, KMP0071 (Jim Moore), Southern 320 (Jim Hyde), Pacific 492 (Paul Cunningham), and many others.

The President, Burl Shelton, of The Windy City CB Radio of Tullahoma, Tennessee, wants to announce the outcome of the Jamboree we held in Tullahoma, July 31 and August 1 of 1965. It was a success. We donated \$500 to Cerebral Palsy Children in Tullahoma. The trophy for the farthest distance was given to KFC1355, Ken Wright of Santa Clara, California. Capital City CB Club of Nashville, Tenn. won the trophy for the most club members present. We're planning another Jamboree next year, the week-end of Labor Day.

The 4th annual convention of the Alabama Association of Rescue Squads was held in Guntersville, Alabama on August 7.

Hosted by the Guntersville Rescue Squad, the convention began at 8:00 A.M. with registration of individuals attending, followed by safety films, workshops on Fire Hazards, Explosives, and a lecture and demonstration by members of the Gunter Air Force Base Medical Service School on "Removal of Injured Personnel from Wrecked Vehicles."

A business conference was held and officers were elected for the 1965-66 term. Elected were: President, G. B. Casey, Etowah County Rescue Squad; 1st Vice

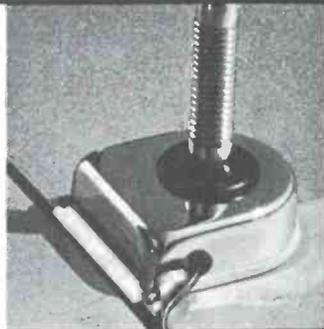
Continued on page 53

LOOK...NO HOLES!

FITS ANY C. B. OR HAM ANTENNA

- ✓ NO BODY HOLES ARE NECESSARY
- ✓ FASTENS TO TRUNK LID IN MINUTES
- ✓ SUPERIOR GROUND PLANE EFFECT
- ✓ RADIATION EFFICIENCY INCREASED OVER BUMPER TYPE MOUNTS
- ✓ CHROMED RIGID TEMPERED STEEL

SEE THESE MOBILE ANTENNA MOUNTS AT YOUR RADIO DEALER OR WRITE FOR FURTHER INFORMATION . . . DEALER INQUIRIES INVITED. E-Z MOBILE ANTENNA MOUNT INC., P.O. BOX 277, ALGONAC, MICHIGAN. PHONE 794-7343 AREA CODE 313.



AVAILABLE IN
STANDARD BALL
AND 3/4" OR 5/8"
HOLE MOUNTS
ONLY \$8⁹⁵

PATENT PENDING

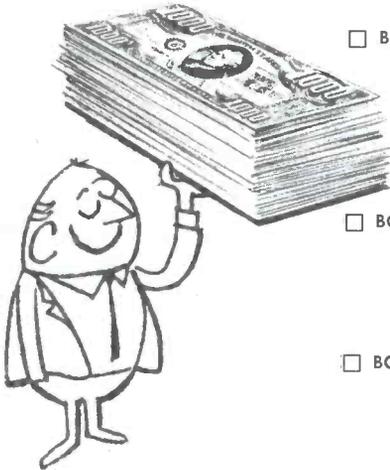
E·Z

MOBILE ANTENNA MOUNT

READERS' BONANZA!

TAKE YOUR PICK OF THESE GIFTS!

...the have ... with me ... always seem ... for several months and that sends the Circulation Department into a tailspin. So here it is, a grand round-up of all the various offers, tied in with an exciting offer for you to get several of these things FREE with your subscription or renewal.



BONUS ITEM #1 — Large 3 inch, 3 color, "Monitor Channel 9" decal. Regularly sells for 50¢.

BONUS ITEM #2 — 50 Project Aid cards which you are required to use to notify the FCC whenever you use your CB rig to help a stranded motorist or for any emergency use. These sell for \$1.00.

BONUS ITEM #3 — Membership in the Association to Condemn Detrimental Associations (ACDA), now the world's largest do-nothing CB club. No officers, no program, it was patterned after one of the so-called "national" CB clubs. You get a big red and gold certificate for your wall with this one.

BONUS ITEM #4 — Do-It-Yourself-S9-Editor-Kit — Yes, an official multicolored S9 Press Card which will get you on buses (show it when you pay your fare), also a 10-code card, plus one of our now famous green and white "Wall Certificates."

BONUS ITEM #5 — Jazzy blue-with-white, red-with-white or black-with-white plastic badge engraved with your callsign. Big 1" high by 3" long. Just the thing for a jamboree or use the pin to stab artichoke hearts or your aunt Maud in the clyde. \$1.50 value. Specify color combination.

With a 1 year subscription or renewal you get your choice of any one of these items; with a two year subscription or renewal you get your choice of any THREE items, and a three year subscription earns you not only all FIVE items FREE, but we will bow towards your 10-20 once a week (on payday). Just check off the item or items you want, rip out this page and enclose it in the postage-paid envelope (in this issue) when you send in your subscription.

S9 Magazine • 14 Vanderventer Ave. • Port Washington, N.Y. 11050

Enter my subscription to S9 for 1 year at \$5.00

To begin with the _____ issue.

2 years at \$9.00

Name _____ Callsign _____

3 years at \$13.00

Address _____

NEW

City _____ State _____ Zip Code _____

RENEWAL



New Model S rotary features wider windows to accommodate QSL cards up to 3 1/2" x 5 1/2". If filled to its capacity of binders, it will hold up to 600 cards, for easy "flip-viewing." Cards are held in mylar windows, protected from dust and handling, and ready for instant viewing.

Basic unit comes with 20 binders (for 160 cards) and additional binders are available and may be put in as needed. Each binder has 8-card capacity, back-to-back.

Price of basic unit—\$10.95. Additional binders—4 for \$1.00. Nordlund Radio Products, 7635 West Irving Park, Chicago, Illinois 60634.

President, Bobby Pickens, Guntersville Rescue Squad; Secretary-Treasurer, Bill King, Cherokee County Rescue Squad.

The business conference was followed by a 1st Aid contest in which 4-man teams from attending squads competed. Each team was judged on three separate problems. Each team worked on the same problem at the same time, under the critical eye of judges selected by the contest chairman on the basis of their knowledge of 1st Aid training. Winners were: 1st Place—Anniston Rescue Squad, Anniston; 2nd Place—Madison County Rescue Squad, Huntsville; 3rd Place—Jerrerson County Rescue, Birmingham. Trophies were presented at a banquet which ended the convention.

The Association now has a total of 30 member units representing over 750 individual rescuers. Headquarters of the unit is located at 212 Sunset Street, Centre, Alabama.

A welcome event in the Huntsville, Alabama area was the recent formation of a new social CB club. Organized in June, the Rocket City CB Club has grown to 22 members, including a new member in California, and looks forward to continued growth as it becomes better known.

While its primary purpose is social, the RCCBC has offered its services to local authorities in any situation other than law enforcement. The club also offers a much needed service to needy families and to families who lose their homes through fire, flood, etc.

The first project undertaken by the club was raising funds for the "Space Cadets," a youth band organized independently and depending upon public support. Starting with a successful roadblock, followed by a parade and ending in a free talent show featuring local youths, the club raised \$2000, which is to be used for equipment and uniforms for the band.

In order to maintain the full spirit of a CB organiza-

What is Master Mobile So Excited About!...

2 NEW REVOLUTIONARY ANTENNAS NEW! DDDR*

**VERTICALLY POLARIZED
LOW PROFILE
MOBILE
ANTENNA**

MODEL CB-42

CB 11 Meter 27MC



The DDDR Antenna has been designed to incorporate the electromagnetic efficiency of naturally resonant quarter-wave whip antennas with a low profile which can be easily installed on vehicle roof tops and precisely tuned over a wide range of frequencies.

Because of its unique design features, the DDDR Antenna will normally outperform quarter-wave mobile installations, both in transmit and receive modes. CB NET \$29.95.

- VERTICAL POLARIZATION
- OMNI-DIRECTIONAL IN HORIZONTAL PLANE
- LOW PROFILE DESIGN
- EFFECTIVE INCREASE IN RADIATED POWER
- LESS NOISE FROM STATIC CHARGES

Other frequencies available from 27 to 180 mc

*Licensed by Northrop Corp.

NEW TOROID TENNA

is a super-efficient, compact mobile whip that measures just 42" in length. Toroid-Tenna's quality construction incorporates toroid transformer in base to boost transmit range; all brass and stainless steel; screwdriver adjustment for perfect VSWR (no cutting or trimming needed); weather/waterproof, chrome-plated base. Transformer and capacitor are completely shielded for noise-free operation. 27 Megacycle TOROID-TENNA: \$21.95 NET.



Dept. S9

Dealers Send for Complete Information and "ANTENNA BUYER'S GUIDE"

Master Mobile Mounts
4125 W. JEFFERSON BOULEVARD
LOS ANGELES, CALIFORNIA 90016

AREA 213, 731-2251

DIVISION OF





tion, the club requires each member to be a licensed CB'er or an authorized unit of a license holder and to maintain all equipment to meet FCC requirements.

Elected officers are: President, B. Skinner, KMM0782; Vice-President, J. Yates, KKN2288; Secretary, N. Harris, KFD0351.

All members are card swappers and anyone wishing to swap cards or club information may contact the group through R. Black, 4002 Cypress Avenue, Huntsville, Ala.

For information of CB'ers passing through the Huntsville area, the following channels are monitored on a regular bases: Channel 9, Local Monitoring Channel—24 hours; Channel 1, Madison County Rescue Squad—24 hours; Channel 7, Taxi—24 hours; Channel 13, North Alabama CB Club—24 hours; Channel 21, C.D. Auxiliary Police—24 hours.

The usefulness of an inexpensive, easily licensed means of communications was once again demonstrated on a recent weekend in Huntsville. Three young, inexperienced spelunkers attempted to explore a local cave. One youth lowered the others, tied off the rope and attempted to climb down. He slipped and fell about 20 feet, slid about 10 feet on a sloping ledge and fell another 30 feet to the bottom of the cave. One of the youths managed to climb out and seek help. The first call went to a local ambulance service requesting an

ambulance and the rescue squad. Two members of the Madison County Rescue Squad, visiting the ambulance service followed the ambulance to the scene, alerting the other members of the squad by CB. Entering the cave, the rescuers examined the victim to determine the extent of his injuries and applied first aid. Arriving at the scene, the other members of the squad lowered additional personnel and CB walkie-talkies. The walkie-talkies were used in advising those outside the cave of additional supplies needed and rate of progress in preparing the victim for removal. A rope and pulley arrangement were set up at the mouth of the cave, the victim properly secured to the rope and removal began. By ascending with the victim, one rescuer was able to provide proper direction, via walkie-talkie, to those pulling and also guard the victim against further injuries. The victim was taken to the hospital, equipment was recovered and late arriving rescuers were intercepted by CB and advised to return to headquarters to straighten up the equipment for the next mission while the first group, tired but happy, took a break. Once again, the unwanted step-child of the FCC, Citizens Band, proved invaluable to citizens who are unable to afford the equipment to get on the business and public safety bands.



Sonar CITIZENS BAND 2 WAY RADIO

IDEAL FOR CONSTRUCTION WAREHOUSE, FARMING & BUSINESS

Perfect for Portable and Mobile use

Power packed and dependable performer that will amaze you with its performance and sound quality. Compact, hand held 2 way radio, transistorized for long life use. Delivers a sharp clear signal over a long range. Fully crystal controlled for precise operation. 100% modulation, automatic noise limiter, adjustable squelch, self contained rechargeable nickel cadmium batteries plus provisions for external antenna, mike and earphone. Take it anywhere...play everywhere. 12VDC. (Wt. 2 lbs.)

completely
Solid State
Design

14
TRANSISTORS

2
CHANNELS

2
WATTS

TELESCOPING
ANTENNA

PRICE INCLUDES:

- 1 pair of crystals
- nickel cadmium batteries
- 110 VAC charger
- leather case
- earphone

Model T-2
\$139⁹⁵



SONAR RADIO CORPORATION

73 Wortman Ave., Brooklyn 17, N.Y. Dept: 435

Please send information on Model T-2 CB Radio.

Name _____

Address _____

City _____ State _____

**The gift that keeps
on receiving!**



It's the sharp one: XL-100 by Tram

The 23-channel, super-sensitive XL-100 has twice the selectivity of the average CB unit. Just the thing for your favorite CBer. Of course, if you happen to be your own favorite CBer . . . But you get the message. You always will — minus interference — on the TRAM XL-100.

23 channel operation via synthesis. • Compact (main unit 4" x 8" x 8"). • Sensitivity second to none. • Selectivity that can't be matched in any standard unit. • Built-in low-pass filter, minimizes "T.V.I.". • Hand wiring. • Teflon covered wire. • Locking switch makes rig tamper-proof. • Set padlocks to dash bracket. • Heavy duty, commercial microphone. • High efficiency transmitter. TRAM delivers 3.5 watts minimum output to the antenna. That's really getting your 5 watts worth of power.

At \$318 TRAM's XL-100 is your best C. B. value . . . your best TRANSCEIVER buy!

— SEND COUPON —

Tram Electronics, Inc.

Lower Bay Road, P. O. Box 187, Winnisquam, N. H. 03289

Send along your illustrated brochure on the XL-100.

Name _____

Address _____

City _____ State _____ Zip _____

My CB dealer is _____

All use must conform with Part 95 F.C.C. regulations. Hobby-type communication or aimless small talk prohibited.

CARD SWAPPERS UNLIMITED

Swappers Awards are given to those readers who have sufficiently proven that they have reached certain specified levels of achievement in QSL card swapping. There are 19 different and distinctive Swappers Awards, and if you would like a complete set of rules, address your request together with a stamped, self-addressed envelope, to: Swappers Awards, S9 Magazine, 14 Vanderver Avenue, Port Washington, N. Y. 11050. Here are the winners of the black, red and gold certificates for the past month.

- SACA 271 H. Cone, KKK7191, Greensboro, N. C.
272 D. Field, KNK0240, Park Forest, Ill.
273 R. Spencer, KFA0101, Whittier, Calif.
274 L. Huggins, KNH0542, Paxton, Ill.
275 B. Kretzer, KK14592, Hagerstown, Md.
276 G. Thompson, KMA6373, Brockton, Mass.
277 W. Hubbs, KEB3600, Little Rock, Ark.
278 M. Suntara, KKA6048, Bristol, Conn.
- PX-25 541 R. Caldeira, Victorville, Calif.
542 H. Zaeske, KMV3981, Rantaul, Ill.
543 J. Yuchniewicz, KMD3330, Pallsades, N. Y.
544 R. Ackerman, KNM9065, Sawyer, Mich.
545 D. Seoy, Leisure City, Fla.
546 C. Pirtle, KMP2491, Ft. Meyers, Fla.
- PX-50 463 R. Caldeira, Victorville, Calif.
464 H. Zaeske, KMV3981, Rantaul, Ill.
465 D. Seoy, Leisure City, Fla.
466 J. Myers, Niagara Falls, Ont., Canada
467 R. Berger, Columbus, Ohio
468 C. Pirtle, KMP2491, Ft. Meyers, Fla.
469 W. Caldren, KNJ1768, Wabash, Indiana
- PX-75 358 W. Hubbs, KEB3600, Little Rock, Ark.
359 R. Caldeira, Victorville, Calif.
360 H. Zaeske, KMV3981, Rantaul, Ill.
361 Pat & Bill Parker, KNV0070, Washington, D.C.
362 D. Bellask, KMD0428, Brooklyn, N. Y.
363 R. Saltsman, KLN6383, Sallineville, Ohio
364 N. Schweitzer, KLM4519, Defiance, Ohio
365 Charles Lee, KJE0047, Washington, D. C.
366 C. Pirtle, KMP2491, Ft. Meyers, Fla.
- PX-100 326 W. Hubbs, KEB3600, Little Rock, Ark.
327 H. Cone, KKK7191, Greensboro, N. C.
328 R. Caldeira, Victorville, Calif.
329 S. Jones, KLO0519, Lawrenceburg, Ky.
330 H. Weintraubs, KMD0362, Massapequa, N. Y.
331 R. Saltsman, KLN6383, Sallineville, Ohio
332 Pat & Bill Parker, KNV0070, Washington, D.C.
333 N. Schweitzer, KLM4519, Defiance, Ohio
334 D. Belask, KMD0428, Brooklyn, N. Y.
335 S. Scherer, KLK3190, Fowler, Indiana
- PX-125 241 W. Hubbs, KEB3600, Little Rock, Ark.
242 H. Cone, KKK7191, Greensboro, N. C.
243 R. Caldeira, Victorville, Calif.
244 R. Shaw, KNH3738, Kansas City, Mo.
245 G. Thompson, KMA6373, Brockton, Mass.
246 M. Suntava, KKA6048, Bristol, Conn.
247 L. Huggins, KNJ0542, Paxton, Ill.
248 Pat & Bill Parker, KNV0070, Washington, D.C.
- PX-150 199 W. Hubbs, KEB3600, Little Rock, Ark.
200 D. Field, KNK0240, Park Forest, Ill.
201 G. Raybin, KB10854, New York, N. Y.
202 A. Cates, KMT1506, Baytown, Texas
203 B. Dretzer, KK14592, Hagerstown, Md.
204 L. Huggins, KNJ0542, Paxton, Ill.
- PX-175 173 R. McMahon, K2V0241, Washington, D.C.
174 E. Ross, KCJ8689, APO, San Francisco
175 L. Huggins, KNJ0542, Paxton, Ill.
- PX-200 147 R. McMahon, K2V0241, Washington, D.C.
148 J. Cote, KKA0658, Keene, N.H.
149 W. Kocher, KCD5000, Bethlehem, Pa.
150 G. Wiles, KKB4015, Williamstown, Mass.
- PX-225 127 Jack Mory KK12063, Baltimore, Md.
128 J. Cote, KKA0658, Keene, N.H.
- PX-250 179 Jack Mory, KK12063, Baltimore, Md.
180 R. Spencer, KFA0101, Whittier, Calif.
- PX-550 102 B. Ross, KCG1087, Washington, D.C.
- PX-600 103 B. Ross, KCG1087, Washington, D.C.
- MSA 196 J. Cote, KKA0658, Keene, N.H.
197 C. Marx, KLF1859, St. Paul Pk, Minn.
198 W. Hubbs, KEB3600, Little Rock, Ark.
199 R. Spencer, KFA0101, Whittier, Calif.
200 L. Huggins, KNH0542, Paxton, Ill.
201 S. Schere, KLK3190, Fowler, Indiana
202 Pat & Bill Parker, KNV0070, Washington, D.C.
- SSC-1 208 H. Cone, KKK7191, Greensboro, N.C.
209 R. Shaw, KNH3738, Kansas City, Mo.
210 L. Huggins, KNH0542, Paxton, Ill.
211 C. Marx, KLE1859, St. Paul Pk, Minn.
212 D. Field, KNK0240, Park Forest, Ill.
- SSC-3 134 R. Spencer, KFA0101, Whittier, Calif.
135 G. Wiles, KKB4015, Williamstown, Mass.
- SSC-4 124 W. Kocher, KCD5000, Bethlehem, Pa.
125 D. Theisen, KNN0810, Norwalk, Ohio
126 Pop Utah, KKA8444, Poquonock Br., Conn.
- SSC-17 105 B. Ross, KCG1087, Washington, D. C.
- SSC-18 104 B. Ross, KCG1087, Washington, D. C.
- SSC-19 103 B. Ross, KCG1087, Washington, D.C.
- SSC-20 102 B. Ross, KCG1087, Washington, D. C.

If you would like to be listed as a QSL card swapper in our monthly listing, you must do the following: send us a separate card for each month you would like to be listed (you may send several month's worth of cards at the same time), and enclose 10¢ in cash (no stamps, checks, or money orders) for each month you are to be listed. Try not to write on your cards and don't Scotch Tape your dime to the card. Address the material to: Card Swappers Unlimited, 14 Vanderver Avenue, Port Washington, N. Y. 11050. Deadline for listing in the

February issue is December 12th. Any cards received after this date will be listed in the following issue.

Here are this month's swappers:

- 1Q4271 Henry Sowa, P.O. Box 571, Holyoke, Mass.
1W6216 Errol Engraving, 36 Hampden St., Westfield, Mass.
2Q0152 Karl Weiss, 245 Ashmore Ave., Trenton, N.J.
2Q1147 George Delaney, 308-47th St., Union City, N.J.
2Q5468 Walt Alexander, 1233 Woodruff Ave., Hillside, N.J.
4B5372 Jim Cross, 755 South Potomac St., Hagerstown, Md.
5Q2178 Elwyn Beam, Route 2, Vale, N.C.
6Q0054 Glenn Poore, 518 Lindsay St., Chattanooga, Tenn.
6Q0054/2 Jim Ganoe, 5925 Portview Cr., Chattanooga, Tenn.
9Q0472 Ben Bailey, 4201 Nagle, Bryan, Texas
11Q1313 George Strainline, 1171 W. Miracle Mile, Tucson, Ariz.
11Q2714 Eileen Inns, 530 Catalina Dr., Newport Beach, Calif.
18B2648 Glenn Davis, 6143 North Rockwell St., Chicago, Ill.
18Q0790 Bill Miller, 407 Allison Rd., Middletown, Ky.
18Q4913 Tom Leadbetter, R.R. 4-Box 40, Muncie, Ind.
18Q6800 Dick Markle, Box 75, Arcola, Ind.
19A8145 Gene Hecht, 26 Sheridan, Pontiac, Mich.
19QA0442 Art De Frain, 226-3rd St., Harbor Beach, Mich.
19Q0707 Jim White, Box 108, Syracuse, Ohio
19Q8152 John Kasten, 5916 Westbrook Dr., Brookpark, Ohio
19Q9941 Martin Ripper, 7617 Cavell, Garden City, Mich.
20Q1360 Ivan Smith, 419 Water St., Danville, Pa.
KAG1649 Al. Young, 350 Van Winkle Ave., Hawthorne, N.J.
KAG2486 Dave Buda, 717 Centre St., Nudely, N.J.
KAG3428 Edward Gray, 450 Good Pasture Rd. 3, Eugene, Oreg.
KAJ0765 J.L. Kirkland, Route 7, Raleigh, N.C.
KAP7755 Andrew Plym, 1231 Topinabee Rd., Niles, Mich.
KAR0738 The Card Swapper, P.O. Box 411, Westfield, Mass.
KBA4174 Harold Virgin, 14 Emery, Westbrook, Maine
Terd Cummings, Bellflower Rd., Billerica, Mass.
KBA7154 Rodney Nelson, Hideaway Lane, Norwalk, Conn.
KBB0471 Fran Smithwick, Box 62, Rt. 1, Ellington, Conn.
KBC2887 Rodney Rice, Warm Brook Rd., Arlington, Vt.
KBC4768 George Sherman, 25 Church St., Rutland, Vt.
KBC6229 Paul Conant, 139 North Main St., Florence, Mass.
KBC6415 Donald Aspinall, 20 Forest Ave., North Haven, Conn.
KBC6510 Ralph Bryant, 716 Riverside Dr., Fairfield, Conn.
KBC9193 John Weigel, 119 Shaw St., New London, Conn.
KBC9285 John Christofaro, 7 New Lane Rd., New Canaan, Conn.
KBD0747 Herb Girard, 348 Carrington Ave., Woonsocket, R.I.
KBD1849 Paul Sanders, 5 Victor Rd., Framingham, Mass.
KBG6576 Charles Arminwe, 725 South Broad St., Trenton, N.J.
KBG7687 Robert Thatcher, R.R. 1 - Box 59-B2, Hudson, N.Y.
KBG8079 Alvin Allen, 610 Prospect Ave., Spring Lake Hts., N.J.
KBH0853 Tom Walton, 324 Kenilworth Rd., Louisville, Ky.
KBH1426 Fred Stearman, R.R. #1 - Box 16, Erie, Ill.
KBI0854 George Raybin, 1367 Sheridan Ave., Bronx, N.Y.
KBI1349 Jack Hopp, 240-19 144 Ave., Rosedale, N.Y.
KBI2123 Richard Rios, 2897 Ardsley Rd., Wantagh, N.Y.
KBI2251 Mona French, 19 Essex Lane, Old Bridge, N.J.
KBI2504 Mike Troy, 271 North Ridge St., Port Chester, N.Y.
KBI4141 Danny Seifert, 163 So. Main St., Phillipsburg, N.J.
KBI4513 Al Leslie, 184 Wales Ave., River Edge, N.J.
KBI5592 George Gross, Waring Rd.M.D.15, Newburgh, N.Y.
KBI6025 Max Latterman, Box 608, RD#1, Princeton, N.J.
KBI6373 Charles Bennett, 89 Valley Rd., Haworth, N.J.
KBI6480 Art Scheid, 2 Essex Place, Hartsdale, N.Y.
KBI8077 John Krejc, 60 Division Ave., Garfield, N.J.
KBI8510 Robert Gannon, 322 First St., Newburgh, N.Y.
KBJ0499 Herbert Kuehlike, 10 E. Grand Ave., Montvale, N.J.
KBJ0753 Richie DuBois, Box 135, RD.2, Wallkill, N.Y.
KBJ1722 George Hunt, 353 Highland Ave., Middletown, N.Y.
KCC4177 Telstar Communications, 513 E. Market St., Pottsville, Pa.
KCD5165 John Shronk, Box M, Mont Clare, Pa.
KCD5491 Bernie & Phyllis, 1509 Bondridge Rd., Wilm, Del.
KCD6109 Lois Lowell, R.D. 2, Sellersville, Pa.
KCD6125 Neil O'Connell, 22 Cassatt Ave., Berwyn, Penna.
KCF1616 Frank Albanese, Berkeley Springs, W. Va.
KCG2216 Doris Cross, 755 South Potomac St., Hagerstown, Md.
KCG2419 Park Bedford, 4903 Asbury Lane, Bethesda, Md.
KCG3068 Ricky Lowman, 1001 W. Addition St., Martinsburg, W. Va.
KCG3236 Bob Gallery, 5013 Westport Rd., Chevy Chase, Md.
KCG3575 Jim Lott, White Post, Va.
KCG4106 Dave Royer, Route 1 - Box 133, Finksburg, Md.
KCJ2842 Clarence Moore, Route #4 - Box 34, Thomasville, N.C.
KCJ2292 Hazel Stubbs, P.O. Box 1076, Rockingham, N.C.
KCJ3880 Lee Willick, 3709 Hester Circle, Raleigh, N.C.
KCJ4079 Jack Kirby, 3601 North Ave., Richmond, Va.
KCJ4187 Joel Smyre, 747 S. Brady Ave., Newton, N.C.
KCJ5002 J.L. Kirkland, Route 7, Raleigh, N.C.
KCJ5092 Doug Paynter, 1001 E. Jefferson St., Charlottesville, Va.
KCJ6987 Tommy Pollok, Gladys, Virginia
KCJ7737 Allon Clarke, 1009 Hamilton Ave., Clifton Forge, Va.
KCJ8516 The Morrison's, 826 Longview Dr., Woodbridge, Va.
KCJ9615 James Surratt, Route #2 - Box 86, Denton, N.C.
KDB0371 Bill Howell, 545 Palmetto Lane SW., Aiken, S.C.
KDB9372 Claude Hooper, RFD. 3, Box 130, Sylva, N.C.
KDC0614 Clarence Hnanicek, 10809 Prince Ave., Cleveland, Ohio
KDC1255 Ben Hefner, 1804 Lennox Ave., Lima, Ohio
KDC1358 W.L. McKeever, 408 Lynn Ave., Lakeside, Ohio
KDC2091 Charlie Krueger, Route 2, Marion, Ohio
KDD2134 Michael Ashby, 316 S. Franklin St., Tullahoma, Tenn.
KDJ3558 Tom Smith, P.O. Box 147, Orlando, Florida
KDJ0032 Nick Miller, Box 3006, St. Petersburg, Fla.
KEB1661 Bob Fancher, Darling, Miss.
KEB3600 Bill Hubbs, 7824 West 36th, Little Rock, Ark.
KEB4002 Al Mayer, 306 West 8th, North Little Rock, Ark.
KEB4614 Carlos Bailey, Route 6 - Box 400, Pine Bluff, Ark.
KEE2743 Harry Hoffpowder, 724 Coolidge Rd., Chantrelview, Tex.
KEE3288 Bill Long, 1110 Rouge, Houston, Texas
KEJ0071 Melvin Nutting, 932 Western Ave., Colton, Calif.
KEJ1049 Harry Garrison, 45503 Sancroft Ave., Lancaster, Calif.
KEJ1341 E.H. Rogers, 24950 E. 6th St., San Bernardino, Calif.
KEJ5828 John Hamner, 12350 So. Fern Ave., Ontario, Calif.
KEJ6681 Bob Osterhout, 3624 Meier St., Los Angeles, Calif.
KFA2338 Frank Wetznel, 916 Larker Ave., Los Angeles, Calif.
KFA9923 Helen Morse, P.O. Box 1395, Ontario, Calif.
KFB0396 Ron Federico, 815 No. Palisade Dr., Santa Maria, Calif.
KFD2822 Leon Bagdad, 844 W. Dayton, Fresno, Calif.
KFD4351 Steve Kruff, 1755-29th Ave., San Francisco, Calif.
KFD5345 Cecil Long, P.O. Box 367, Ivanhoe, Calif.
KFD5811 Larry Kluedner, P.O. Box 183, Oroville, Calif.
KGC2295 Duane Foss, Box 238, Laramie, Wyoming
KGC2576 Gene Godsoe, 1406 Oneida St., Denver, Colo.
KGF1675 Earl Wertz, 79 Kincheloe St., Kincheloe AFB, Mich.
KGF3034 Dick Lano, 351 Chardfield, Winona, Minn.
KGH2584 Joseph Rose, 1009 Figg, Wichita, Kans.
KGH3372 Wayne Hutchins, P.O. Box 311, Carthage, Mo.
KGI1077 Bob Fellows, Box 38, Goff, Kans.
KGI6100 Robert Schminck, 357 No. Waco, Wichita, Kans.
KGI6245 Bob Zaitz, 5439 Dober Lane, St. Louis, Mo.
KGI6979 Don Marshall, 301 Circle Dr., Carrollton, Mo.
KGI7912 Donn Stoneburg, Box 221, Omaha, Nebr.
KGI8903 Ralph Williams, 3420 Nickell Dr., St. Joseph, Mo.
KGI9206 Bud Ward, 968 Lindeman, Des Peres, Mo.
KHA0733 Harold Handley, 13800 W. 145th Place, Lockport, Ill.
KHA3908 Michael Hencz, 6080 N. Elston Ave., Chicago, Ill.
KHA5150 Virg Mansfield, 600 West 7th, Muncie, Ind.
KHA6027 Don Bates, 1N320 Morse St., Wheaton, Ill.
KHA8376 Gordon Velpel, 801 S. Franklin St., Garrett, Ind.
KHB1210 Larry Rost, R.R. #2, Muscatine, Iowa
KHB2113 Risley Farms, R.R. 4, Highway 15 W., Mt. Carmel, Ill.
KHB3556 John Ernstberger, 3516 S. Hermitage Ave., Chicago, Ill.
KHB3971 Larry Parkhurst, 1000 West 11th St., Muncie, Ind.
KHC4185 Lou Chappell, 3644 E. Minnie St., Decatur, Ill.
KHC4453 Dick Stout, Maple Spring Farm, Chatham, Ill.
KHC7324 Puff the Hobo, 4424 Leesburg Rd., Fort Wayne, Ind.
KHC8132 Harry Faus, 1214 W. Washington, Bluffton, Ind.
KHC9507 Bill Feece, P.O. Box 35, Donaldson, Ind.
KHD1288 Charles Couchman, Box 194, North Vernon, Ind.
KHD2732 Nick Schmidt, 1719 W. Catalpa, Chicago, Ill.
KHD3373 Percy Hunt, 11521 Bigger St., Gary, Ind.
KHD4705 George Newberry, 1027 W. Douglas St., Freeport, Ill.
KHD5777 Jim Carey, R.R. #1, Sylvan Lake, Rome City, Ind.
KHE0968 Mick Newton, 634 Madison Ave., Evansville, Ind.
KHE1484 Norm Swartzentrubers, 702 East Jackson, Goshen, Ind.
KHG3085 Edwin Chisholm, 1825 Avon St., Saginaw, Mich.
KHG4945 C.M. Cooley, 1006 Hooen Ave., Hamilton, Ohio
KHG5776 Larry Hensley, 15 N. Dewey Rd., Amherst, Ohio
KHG5896 Ron Neufeld, 3090 E. Derbyshire, Cleveland Hts., Ohio
KHG5905 Bill Collose, 569 Carey St., Zanesville, Ohio
KHG6176 Herman Werfele, 3121 Jacob St., Wheeling, W. Va.
KHG9031 Jack Pye, 1014 S. Campbell, Royal Oak, Mich.
KHG9085 Alfred Hogan, 1108 Walker St., Mansfield, Ohio
KHH1363 Geo. Radenheimer, 3121 Andrew St., Middletown, Ohio
KHH2828 Frank Hall, 711 Water St., Barboursville, W. Va.
KHI4973 John Campbell, 216C FTD Box 201, Dow AFB, Bangor, Me.
KHI5457 Geo. Barker, 343 N. 27th St., Battle Creek, Mich.
KHI5522 Jim Foley, Port Sanilac, Mich.
KHJ1206 Marty Snyder, 1516 Lockwood Rd., Barberton, Ohio
KHJ3482 Robert Albright, R. 3, Alpena, Mich.

KHJ3914 Ralph Jester, 564 Round Lake Dr., Mich. Center, Mich.
 KHJ4747 Don Senger, 2650 Mandale, Orchard Lake, Mich.
 KHJ5042 Harold Davis, 9575 Shell Beach Rd., Pinckney, Mich.
 KHJ5190 Terry Elliott, 327 Riverside Dr., Battle Creek, Mich.
 KHJ7033 Max Green, 100 North Main St., North Baltimore, Ohio
 KHJ7131 Ken Massie, 115 Woodlawn Dr., Ironton, Ohio
 KHJ7270 Bob Wilkinson, 500 Magnolia Ave., Cuyahoga Falls, Ohio
 KHJ7892 Boots Beaudry, Box 252, Trenton, Mich.
 KHJ8472 Doug Thrasher, 1164 Lindsay Ave., Akron, Ohio
 KHJ9411 Jim Waters, 28 S. Pembroke Ave., So. Zanesville, Ohio
 KHJ9558 Ed Leonhardt, 3518 Smithfield Lane, Cincinnati, Ohio
 KIA0468 Clarence Kernstock, 1820 Filmore Place, Essexville, Mich.
 KIA0762 Leroy Butler, 1808 Lenox, Lima, Ohio
 KIC1207 Arlene Warner, 2273 Mosser Ave., Williamsport, Pa.
 KIC2881 Mike Ripski, 72 Mooney Rd., Plymouth, Pa.
 KIC3500 Ruthie Bopp, 350 W. Fifth St., Lewistown, Pa.
 KIC5642 Dave Klimeck, 218 Ottawa St., Johnstown, Pa.
 KID0007 Fred Martz, Davis-Lane Speedway, Hustontown, Pa.
 KID0186 Mike Reshetar, 102 1/2 Walnut St., Binghamton, N.Y.
 KID3872 Herman Heuser, 341 West 11th Ave., Tarentum, Pa.
 KID4607 Bob Bem, 142 Vananden St., Auburn, N.Y.
 KID5225 Harry Platt, R.D. 1 - Shaw Rd., Conklin, N.Y.
 KID5293 George Gould, P.O. Box 42, Hudson Falls, N.Y.
 KID5802 R.V. Pollard, 109 Pennsylvania Ave., Johnstown, N.Y.
 KID6356 Roscoe Harrington, 5 Schuyler St., Hudson Falls, N.Y.
 KID7260 Stan Breikopf, 271 Stanton Lane, Rochester, N.Y.
 KID8232 Roy McGregor, R.D. 2, Central Square, N.Y.
 KID8939 Ronald Hoover, 303 Eden Ave., Waynesboro, Pa.
 KIE0628 Al Gully, R.D. 3 - Box 392, Coraopolis, Pa.
 KJO0223 J.C. McCalla, 273-G Dyea Ave., Ft. Richardson, Alaska
 KJH0032 Jere Caricofe, 2301 Norfolk St., Hopewell, Va.
 KJH0080 Robert Grubbs, Route 3, Winston-Salem, N.C.
 KJII924 Mike Gross, 1129 Victoria Ave., New Kensington, Pa.
 KJL2293 The Silver Eagle, 339 Harter St., Herkimer, N.Y.
 KJL2342 Fenton's, 125 A-W Lake Rd., Penn Yan, N.Y.
 KJL2842 Oscar Lee, Box 605, Westfield, Pa.
 KJL3461 John Garzel, Box 286, Austin, Pa.
 KKA0658 Jerry Cote, 105 Old Walpole Rd., Keene, N.H.
 KKA0880 Don Benoit, Lambs Grove, Spencer, Mass.
 KKA1997 Jim McSwain, RFD 2 Windsor, Vt.
 KKA3088 John Myott, 16 Washington St., Westfield, Mass.
 KKA3340 Hootin Annie, 11 Forthill Rd., Poquonnock Bridge, Conn.
 KKA4210 Dick Clogston, Starks, Maine
 KKA4441 Mark Irishes, West Peru, Maine
 KKA5174 George Brown, 101 Truman St., New London, Conn.
 KKA5305 Chase's Engraving, 175 Kiteming Rd., Uncasville, Conn.
 KKA5308 John Mildner, Roberts St., Rte. 1, Pascoag, R.I.
 KKA6048 Mike Suntava, 198 Mercier Ave., Bristol, Conn.
 KKA7269 Phil Newcomb, 59 Center St., Ballardvale, Mass.
 KKA7386 Tom Lambert, 295 Parkview Ave., Bangor, Maine
 KKA7402 John Flynt, Royal Coach Hotel, Weirs Beach, N.H.
 KKA7756 Armand Gladu, 2 Pinnacle Point, Adams, Mass.
 KKA7994 Jim DeLude, 87 Woodward Ave., Middletown, Conn.
 KKA8101 John Moriarty, 86 Beacon St., Florence, Mass.
 KKA8441 Leonard Prue, 11 Forthill Rd., Poquonnock Bridge, Conn.
 KKA9690 Peter Flynn, 212 Allen St., Springfield, Mass.
 KKA9926 Brian Benkosky, 343 Washington St., Keene, N.H.
 KKB0087 James Lacey, 46 Oread St., Worcester, Mass.
 KKB0156 Kevin Gobeille, 15 Wilson St., N. Wilbraham, Mass.
 KKB0188 Robert Grip, 60 Sexton St., New Britain, Conn.
 KKB0242 Paul Ferland, 32 Arland Dr., Pawtucket, R.I.
 KKB0346 Richard Baletti, 313 Sandwich St., Plymouth, Mass.
 KKB0399 Stan Holland, South Rumford, Rumford, Maine
 KKB0748 Tom Pluta, 31 Stony Hill Rd., Indian Orchard, Mass.
 KKB1337 George Randall, 71 Taylor St., Granby, Mass.
 KKB1587 Al Lapointe, 60 Prospect St., New Britain, Conn.
 KKB1975 Cy Hyde, 17 Ocean St., Belfast, Maine
 KKB2326 Bob Campbell, 5 E. Collins St., Salem, Mass.
 KKB3063 Joe Magnano, 136 Liberty St., Middletown, Conn.
 KKB3080 Elsie Randall, 71 Taylor St., Granby, Mass.
 KKB3387 Tom Wilmarth, 466 Main St., Cromwell, Conn.
 KKB3485 Russell Ferland, 32 Arland Dr., Pawtucket, R.I.
 KKB3548 John Monaco, 118 Ledgcrest Ave., New Britain, Conn.
 KKB3586 Ralph Gauthier, 227 Walnut St., Manchester, N.H.
 KKB3611 Percy Coombs, 1 Sunset Terrace, Springfield, Vt.
 KKB3702 Ron Corda, 525 Nichols Ave., Stratford, Conn.
 KKB3757 Harrison Cunningham, 71 Water St., Hallowell, Me.
 KKB4058 Phil Gomez, Lebanon, N.H.
 KKB4081 Mike Moise, 299 N. Main St., S. H Falls, Mass.
 KKB0349 Jack Golden, 5025 Broadway, N.Y.C., N.Y.
 KKD0491 Mike Kaplan, 37 Fairview Terrace, Maplewood, N.J.
 KKD1013 Rich Werner, Box 234, Port Ewen, N.Y.
 KKD1177 Christopher Ordal, 5 Shelley Rd., Short Hills, N.J.
 KKD1640 Al Stanley, 1056 President St., Brooklyn, N.Y.
 KKD1746 Ivan Samuels, 179 Glenview Rd., South Orange, N.J.
 KKD1915 John Fernicola, 13 Dryden Terr., Short Hills, N.J.
 KKD1946 Al Neely, 90-26 215 Place, Queens Village, N.Y.
 KKD2292 Henry Meyer, 50 Knickerbocker Rd., Plainville, N.Y.
 KKD6953 Peter Mozzone, 382 Horton Hwy., Mineola, L.I., N.Y.
 KKD7499 Norman Bernstein, 90 Redwood Ln., Massapequa Pk, N.Y.
 KKD7623 Vinny Cavicchi, Lake Valley Rd., Morristown, N.J.
 KKD7750 Joel Fishman, 1810 - 80th St., Brooklyn, N.Y.
 KKD7950 Joseph Krzanik, Box 171, New Baltimore, N.Y.
 KKD8361 Theresa, Wally, 210 Correja Ave., Iselin, N.J.
 KKD8372 Mike Mazzone, 438 Livingston Ave., Albany, N.Y.
 KKD8383 Bob Peterson, 61 Crosshill Ave., Yonkers, N.Y.
 KKD8859 Charles McNally, 36 Marble Hill Ave., New York, N.Y.
 KKD9486 Willie Bergman, 248-02 76th Ave., Bellerose, L.I., N.Y.
 KKD9510 Ray Dame, 38 Vliet St., Cohoes, N.Y.
 KKD9511 Mitch Zimmer, 1213 E. 83rd St., Brooklyn, N.Y.
 KKE0173 Tony Russomano, 9 School Rd., Whippany, N.J.
 KKE0449 Al Farber, 2554 E. 29th St., Brooklyn, N.Y.
 KKE0584 Steve Selbach, 129 Gordon Ct., Oradell, N.J.
 KKE0663 Brian Zeky, Box 131, Crarryville, N.Y.
 KKG0371 Ken Yost, Sunset Lake Rd., Newark, R.D. 1, Del.
 KKG0960 Robert Ream, 608 High St., Lancaster, Pa.
 KKG1280 Clarence Diehl, 800 Mohican St., Bethlehem, Pa.
 KKG3074 Harold Peer, 617 Halliard Ave., Beachwood, N.J.
 KKG3229 Don Schmitt, Box #14, Gettysburg, Pa.
 KKG3987 John LeMay, 28 E. Water St., Gettysburg, Pa.
 KKG4032 Sophia Mitch, 309 South St. Cloud St., Allentown, Pa.
 KKG4281 Charles Lucabaugh, 916 Baltimore St., Hanover, Pa.
 KKG4482 Lee Petrucci, 316 W. Van Buren Ave., New Castle, Del.
 KKG6029 Jack Heilig, 888 Club House Rd., York, Pa.
 KKI2063 Jack Mory, 2501 Washington Blvd., Balto., Md.
 KKI2915 George Bowen, 831 W. Matthews Ave., Baltimore, Md.
 KKI2997 Don Breitweiser, 947 Maryland Ave., Hagerstown, Md.
 KKI3355 Donald Vaughn, 318 Mulhenny St., Woodstock, Va.
 KKI3800 Steven Cockrell, 228 Church St., Clarksburg, W. Va.
 KKI3995 Ray Clift, 122 East 3rd St., Frederick, Md.
 KKI4574 William Haines, P.O. Box 333, Riverdale, Md.
 KKI40453 Bob Maxey, Route 2, Cumberland, Va.
 KKI40471 J.L. Kirkland, Route 7, Raleigh, N.C.
 KKI40745 Jim Chocklett, 504 Denby St., Wilson, N.C.
 KKI40927 Tommy Gay, 1146 Rodgers St., Chesapeake, Va.
 KKI1145 Jim Brizendine, 2016 Wayne St. N.E., Roanoke, Va.
 KKI2366 Jack Barbour, 1659 Old Buckroe Rd., Hampton, Va.
 KKI4410 Smylie Grantham, P.O. Box 364, Raeford, N.C.
 KKI4512 Jake Sprouse, Rt. 6 - Box 279, Charlottesville, Va.
 KKI6388 Bill Ball, Box 65, Raven, Virginia
 KKI7191 Herman Cone, 1811 Dalton Rd., Greensboro, N.C.
 KKI7550 Black Jack, P.O. Box 261, Colonial Heights, Va.
 KKM0193 Daniel Parker, Armathwaite, Tenn.
 KKM1253 Buford Richey, 225 Davis Ave., Florence, Ala.
 KKM2052 Linton Slappey, P.O. Box 52, Plains, Ga.
 KKM4690 Roy Chaffin, 505 First Ave., Mt. Pleasant, Tenn.
 KKM6607 Neal Alexander, 3790 Wieuca Terr., Atlanta, Ga.
 KKM7376 Donald Wilson, 1529 Bush Blvd., Birmingham, Ala.
 KKM7482 Charles Cromer, Rt. 1 - Box 282A, Newberry, S.C.
 KKM7788 Claude Witt, 814 S. Webb Ave., Crossville, Tenn.
 KKM8888 Leon Rhodes, Box 11 Piedmont Rd., Rutherfordton, N.C.
 KKM9702 James Wolfe, 1707 Merrycrest Dr., Memphis, Tenn.
 KKN0224 Jerry Bumbaugh, 316 Crest Dr., Boone, N.C.
 KKN0258 Bill Powers, P.O. Box 104, Bowling Green, S.C.
 KKN0300 Steve Masten, P.O. Box 4, Boone, N.C.
 KKN0673 Randall Thomas, Box 108, Boone, N.C.
 KKN0762 John Kessler, 63 Main St., Garden City, Ga.
 KKN0793 G.W. Page, Box 398, Lake View, S.C.
 KKN2690 Carroll Rogers, Box 178, Middletown, Conn.
 KKN2985 Charles Martin, Rt. 6 - Harrison Pk., Cleveland, Tenn.
 KKN3229 T.J. Gibson, Box 564, Bennettsville, S.C.
 KKN4052 Harvey Massie, Rt. 3 - Box 95A, Sylva, N.C.
 KKP2232 John Sanders, 3209 Cherokee Ave., Tampa, Fla.
 KKP2242 Frank Wolfgang, 4729 Bay Vista Ave., Tampa, Fla.
 KKP4124 Gene Pairgin, 5111 68th St. North, St. Petersburg, Fla.
 KKP4260 Clark Dickinson, Rt. 2 - Box 50, Perry, Fla.
 KKR3709 W.D. Arnolds, Beulah, Mississippi
 KKR5223 Charles Keathley, 3005 Loma Dr., Little Rock, Ark.
 KKR6231 Mike Anderson, P.O. Box 2626, Laurel, Miss.
 KKT3640 Doc Goodwin, 4301 Nagle, Bryan, Texas
 KKT3680 Le Winder, 4204 Oaklawn St., Bryan, Texas
 KKT3774 Bill Freeman, 4000 Nage, Bryan, Texas
 KKT4113 James Bowman, Box 703, Fresno, Texas
 KKV0974 John Polhemus, 6855 Arboreal Dr., Dallas, Texas
 KKV4589 Paul Drennon, 2402 Anderson, Irving, Texas
 KKV5348 Joe Schrader, Box 464, Ponca City, Okla.

KKV5575 Alan Haile, 2601 Walnut St., Texarkana, Texas
 KKK1831 Joe Stechnij, 555 W. Main St., Mesa, Ariz.
 KKK4383 Joe Bodnar, 9309 National Blvd., Los Angeles, Calif.
 KKK5201 Dale Fletcher, 54728 El Prado Trail, Yucca Valley, Cal.
 KKK7505 Pete Gabel, 4240 Palmero Dr., Los Angeles, Calif.
 KKK7642 Walter Koziel, P.O. Box 2212, Bell Gardens, Calif.
 KKK7809 Joe Illions, 12929 Warren Ave., Mar Vista, Calif.
 KLA2524 John Brown, P.O. Box 502, San Pablo, Calif.
 KLA3291 Paul Linehan, 2 Estabueno Dr., Orinda, Calif.
 KLA3373 Stephen Ward, 1756 Hallmark Ln., San Jose, Cal.
 KLA4568 Jeff Morgensen, 31 Estabueno, Orinda, Calif.
 KLA5065 Dennis Simonson, 127 Lae Ave., San Francisco, Cal.
 KLA5013 Ken Anderson, P.O. Box 1008, Los Gatos, Calif.
 KLA5788 T. & E. Saunders, 782 Hutchings Dr., San Leandro, Cal.
 KLA6569 Bob Wright, 1243 Sierra Mar Dr., San Jose, Calif.
 KLA7292 Wayne Metzger, 4068 N. 3rd, Fresno, Calif.
 KLA7428 Jack Evans, P.O. Box 108, Ivanhoe, Calif.
 KLD1817 Don Fletcher, 3432 So. 180 Pl., Seattle, Wash.
 KLD2362 Richard Spengler, Rt. 1, Box 48, Grangeville, Idaho
 KLE0268 Tom Raczkykowski, Rt. 1, Box 77, Laramie, Wyoming
 KLE2119 Art Paulk, 3262 W. 3800 So., Salt Lake City, Utah
 KLF2385 Bob Albrecht, 401 Liberty, Winona, Minnesota
 KLF2980 Steve Butler, 822 N. Glendale Ave., Tomah, Wisc.
 KLF6909 Larry Kobberman, Box 233, Remsen, Iowa
 K LH8133 Norman Royal, Syracuse, Nebraska
 KLI1335 Phil Holcomb, 712 Dubuque St., Sioux City, Iowa
 KLI1365 Glenn Earnay, 928 Olympia Dr., Ferguson, Mo.
 KLI1434 Bill Stalons, Jr., 3903 Garfield, Lincoln, Nebraska
 KLJ0255 Bob Pierce, 182nd St., Box 382, Lansing, Ill.
 KLJ0280 Al Warshaw, 1905 E. 86th St., Chicago, Ill.
 KLJ1650 Dan Wright, 1336 Blaine Ave., Janesville, Wis.
 KLJ4024 Loren Snyder, 542 9th Ave. So., Clinton, Iowa
 KLJ4142 Jon Kramer, R. 1, Box 451, 606 Highland Dr., Trevor, Wis.
 KLJ4663 Lou Chappell, 3644 E. Minnie St., Decatur, Ill.
 KLJ5764 Gene Stewart, 1310 N. Berkley, Urbana, Ill.
 KLJ6791 Lou Rubenstein, 9901 Calhoun Ave., Chicago, Ill.
 KLJ7000 Melvin Murphy, R. R. 1, Wapolla, Illinois
 KLJ8259 Jack Jackson, Morocco, Indiana
 KKK1480 Leon Adams, 509 May St., Sumner, Illinois
 KKK1581 Frank Hawley, 2313 Johnson St., Keokuk, Iowa
 KKK1975 W. H. Willett, Lewisport, Kentucky
 KKK2328 John Wigginton, R. R. #1, Lincoln, Illinois
 KKK2458 Lincoln Ide, 7842 So. McVicker, Oak Lawn, Ill.
 KKK2881 Buzz Colburn, 902 Oak Lane, Russellville, Ky.
 KKK3190 Steve Scherer, 103 W. 4th St., Fowler, Indiana
 KKK3619 Matt Loeffler, 2169 S. 64th St., West Allis, Wis.
 KKK4264 Jim Nail, 606 N. Hite, Louisville, Kentucky
 KKK4317 Pat Cavanaugh, 3620 W. Southland Dr., Franklin, Wis.
 KKK4537 Clinton Whitney, R. R. 2, Warsaw, Indiana
 KKK4830 Francis Wagner, Elizabethtown, Indiana
 KKK4886 Charlotte Stearman, P.O. Box 326, Albany, Ill.
 KKK4958 Jesse Wade, 224 W. Elm St., Chillicothe, Ill.
 KKK5617 Chuck Sylvester, 1629 East 86th Place, Chicago, Ill.
 KKK5810 Irving Felzer, 2131 So. 15th Place, Milwaukee, Wis.
 KKK9539 Mike Geiger, Box 83, Culver, Ind.
 KLL0681 Dick Stichter, 851 E. Pleasant St., Freeport, Ill.
 KLL0800 Gil Davis, 2405 Sunset Blvd., Anderson, Ind.
 KLL0809 Fritz Stearman, Albany, Ill.
 KLL0995 Jim Mazurek, 1444 S. Clinton Ave., Berwyn, Ill.
 KLL1090 Reid Kenley, P.O. Box 427, Maywood, Ill.
 KLL1097 Kenneth Fruit, R. R. 2, Huntington, Ind.
 KLM0542 Merle Lane, 1610 Royce Ave., Kalamazoo, Mich.
 KLM1447 Lee Collins, 4814 Sundale, Drayton Plains, Mich.
 KLM3314 Paul Monhart, 2170 W. 63 St., Cleveland, Ohio
 KLM4343 Mike Meyer, 134 Reif St., Frankenmuth, Mich.
 KLM4842 Bessie Hazen, 231 North Mead St., Zanesville, Ohio
 KLM5051 Jim Swartz, 62 Stadium Drive, Tallmadge, Ohio
 KLM7160 Harold Theiss, 6103 Dibble Ave., Cleveland, Ohio
 KLM7450 Bill Piper, RFD #5 - Box 414, Swanton, Ohio
 KLM7506 Frank Bradd, P.O. Box 336, Marshall, Mo.
 KLM7763 Jim Warner, 836 Pensacola, Pontiac, Mich.
 KLM7788 Charles Holland, 942 Lingle Ave., Owosso, Mich.
 KLN0934 Leonard Beaudry, 32821 River Rd., E. Rockwood, Mich.
 KLN1475 Walter Huber, 365 North Dame, Grosse Pointe, Mich.
 KLN2106 Gary Lauff, 1447 Balfour, Grosse Pointe Park, Mich.
 KLN2229 Jerry Bradley, 1881 Whitefeather Rd., Pinconning, Mich.
 KLN2522 Anthony Gover, Bronston, Kentucky
 KLN2610 Joe Tyka, 1410 Maple St., West Bellaire, Ohio
 KLN3263 Jerry Smith, 11944 Algonquin, Pinckney, Mich.
 KLN3497 Ed Newton, 2120 Irving Drive, Benton Harbor, Mich.
 KLN3571 Betty Little, 36 Cliff St., Battle Creek, Mich.
 KLN5264 V. A. Norling, 25 Indian Trail, Poland, Ohio
 KLN5598 Rawlings Funeral Home, London, Kentucky
 KLN5726 Douglas Dix, 3307 Martindale Rd. N.E., Canton, Ohio
 KLN6383 Robert Saltsman, 412 Water St., Salineville, Ohio
 KLN8016 Don Gold, 116 Stewart Ave., Sidney, Ohio
 KLN8105 Gabby Rodabaugh, 10078 E. Coldwater Rd., Davison, Mich.
 KLN8233 Don Gorda, 1854 Warwick, Lincoln Park, Mich.
 KLN8383 Phil Samuelli, 3503 Orchard, Portsmouth, Ohio
 KLN9155 Evans Johnson, 115 McKee, Manistee, Mich.
 KLN9345 Jim Stephens, 132 Lawnview Ave., Springfield, Ohio
 KLN9710 Ray Keller, 852 N. Rosedale Ave., Lima, Ohio
 KLN9961 Orville Bluhm, 1483 F. Bellum, Muskegon, Mich.
 KLO0175 Paul Manville, 1736 Lombardy, East Highland, Mich.
 KLO0598 William Lechner, 4441 Parnell, Pontiac, Mich.
 KLO0638 Dick Seperic, 3324 Karen St., Lansing, Mich.
 KLO1270 Bob McCellan, Box 51, 203 Furnace, Elberta, Mich.
 KLO2529 James Jones, 523 West Main St., Zeeland, Mich.
 KLP0319 Pete Hons, 614 Main St., Portage, Pa.
 KLP2238 James Barner, Route 3, Gorton Rd., Corning, N. Y.
 KLP3284 James Phillips, 599 West 8th St., West Wyoming, Pa.
 KLP3765 Ken Clemens, Box 71, Yorkville, N. Y.
 KLP3877 Jean Hoover, 303 Eden Ave., Waynesboro, Pa.
 KLP4032 Milan Abbott, RD, 1 Geneva Rd., Lyons, N. Y.
 KLP5005 Bud Powkes, Box 261, Duncansville, Pa.
 KLP5525 Bill Beeke, 11 Maple Drive, Bath, N. Y.
 KLP6039 William McKenna, 1354 Davis St., Elmira, N. Y.
 KLP6626 Wallace Nolen, 12 Chase St., White Plains, N. Y.
 KLP7086 William Baum, 5 Second St., Dolgeville, N. Y.
 KLP7094 Del. Arthur, R. #3, Lowville, N. Y.
 KLP7184 Ken Davis, 118 Strang St., Westfield, Pa.
 KLP7516 Guy Widmeyer, Box 99-A - Martha St., Hopwood, Pa.
 KLP7578 David Moss, P.O. Box 61, Endicott, N. Y.
 KLP7749 Ray Bronder, 416 9th St., Monticent, Pa.
 KLP7848 Bryan May, 147 Old River Rd., Wilkes-Barre, Pa.
 KLP8789 Clarence Peet, Box 73, Port Crane, N. Y.
 KLP8083 Howard Davidson, 26 Knight St., Glens Falls, N. Y.
 KLP8179 Tony Dominguez, #72 W. Lawrence, Albany, N. Y.
 KLP8282 Delevan Arthur, R. #3, Lowville, N. Y.
 KLP8791 Jim Smith, RD. 3, Fort Plain, N. Y.
 KLP9151 Bob Lance, 10 Fredella Ave., Glens Falls, N. Y.
 KLP9534 Steve Delorm, 258 Spencer Rd., Rochester, N. Y.
 KLP9557 George Booth, 971 Sweeney St., North Tonawanda, N. Y.
 KLP9618 Bill Lohnes, Box 176, Round Lake, N. Y.
 KLP9660 Harold Clark, Ashford Station, Ellicottville, N. Y.
 KLP9706 Dick Tipton, 1252 Hilton Parma Rd., Hilton, N. Y.
 KLP9789 Ed Kindervater, Box 404, Hopwood, Pa.
 KLQ0114 Roger Hamm, 1447 Union Center-Maine, Endicott, N. Y.
 KLQ0457 Charles Goughnour, 207 Coldren St., Johnstown, Pa.
 KLQ0660 Jerry Monroe, RD, 1 - Coy Rd., Greenfield Center, N. Y.
 KLQ0964 Pete Guy, Box 55, Middle Grove, N. Y.
 KLQ1059 William Nagurney, 727 Marion St., Scranton, Pa.
 KLQ1173 Lester Finnegan, 8171 Main St., Williamsville, N. Y.
 KLQ1560 Jud Kurlancheek, 242 East Dorrance St., Kingston, Pa.
 KLQ2217 Don Anderson, 528 Ridge Ave., Cannonsburg, Pa.
 KLQ2774 Carl Jaegers, R. D. 2, Sunbury, Pa.
 KLU0347 Charles Lowrey, Box 3878-P, Star Rt. B, Anchorage, Alaska
 KMA0060 Norman Harold, 27 Blantyre Rd., Malden, Mass.
 KMA0173 Joe Witek, 40 Daniel St., Indian Orchard, Mass.
 KMA1395 Ray Martel, 143 Parker St., New Bedford, Mass.
 KMA1772 Jack Palleschi, 8 Minerva St., Swampscott, Mass.
 KMA2125 Anthony Viera, 9 Holway Ave., Provincetown, Mass.
 KMA2378 E. L. Bradshaw, 114 Walter St., Bangor, Maine
 KMA2418 Irving McKirryher, 44 1/2 Freeman Ave., Rutland, Vt.
 KMA2465 Tom Vecchitto, 117 So. Vine St., Meriden, Conn.
 KMA2531 Mike Palmieri, 1 Brigham St., Waterville, Maine
 KMA2668 Steve Shear, 177 Cherry St., Malden, Mass.
 KMA2766 Chuck Saverse, High Manor Park, Rockville, Conn.
 KMA3004 Al Pelc, 117 Plimpton St., Southbridge, Mass.
 KMA3337 Jerry Kushin, 21 Grand Ave., Nashua, N.H.
 KMA3375 Paul Connors, 31 New Winchendon Rd., Baldwinville, Mass.
 KMA3381 Paul Conklin, 72 Pink Row, Uncasville, Conn.
 KMA3425 Edmond Bresh, 4282 Main St., Stratford, Conn.
 KMA3491 Chris Marinelli, 45 Milton St., New Britain, Conn.
 KMA3810 Sue Martineau, 179 Park St., Berlin, N.H.
 KMA3939 Johnny McGann, 50 Coombs St., Southbridge, Mass.
 KMA4850 David Glenn, 370 Warner Hill Rd., Southport, Conn.
 KMA5273 James Stuart, 45 South Main St., Baldwinville, Mass.
 KMA5715 George Goodell, Enfield, N.H.
 KMA5726 Eddie Bellar, 15 Rockland St., Fitchburg, Mass.
 KMA5788 Gary Supsinskas, 331 Stanley St., New Britain, Conn.
 KMA5931 Jeff Biden, Carthage, Maine
 KMA6506 Otis Butler, Cedar Haven Motor Court, Brewer, Maine
 KMA7167 Edward Madej, 193 Oak St., Indian Orchard, Mass.
 KMD0214 Gary Migden, 2387 Henry St., North Bellmore, N. Y.
 KMD0382 Bob Disbrow, 298 Spackenkill Rd., Poughkeepsie, N. Y.

KMD0428 David Bellask, 1159 E. 42 St., Brooklyn, N.Y.
KMD0490 Fred Decter, 339 Leslie St., Newark, N.J.
KMD0992 Howard Huneke, 518 Mountain Ave., Springfield, N.J.
KMD1113 Richard Harvey, 133 Morris Ave., Summit, N.J.
KMD1314 John Humphries, 102 Lincoln Ave., East Paterson, N.J.
KMD1704 Rich Flinberg, 53 Washington Ave., East Paterson, N.J.
KMD1755 Donald White, St. Remy, N.Y.
KMD1813 Paul Lustig, 23 Dobbs Terrace, Scarsdale, N.Y.
KMD2018 Ron Kerber, 265 Broadway, Park Ridge, N.J.
KMD2076 Bill Copelton, 263 North 11th St., Prospect Park, N.J.
KMD2130 Chuck Austin, 10 Excelsior Ave., Troy, N.Y.
KMD2334 Sherwood Wile, 15 Vandeventer Ave., Pt. Washington, N.Y.
KMD2436 John Erwin, 38 Gouverneur St., New York, N.Y.
KMD2453 Louie Gagliano, 18-3rd St., Brooklyn, N.Y.
KMD2476 Gene Rosenberg, 367 Grant Ave., Oradell, N.J.
KMD3059 Bruce McPherson, 231 Wales Ave., River Edge, N.J.
KMD3327 W. Mitchell, 31 Fowler Ave., Newburgh, N.Y.
KMD3684 Dom & May, 450 Rhodes Lane, WBST Hempstead, N.Y.
KMD3719 Dale Schmalzing, 239 Seymour Rd., Port Chester, N.Y.
KMD3951 Charles Marshman, 98 Lark St., Albany, N.Y.
KMD4005 Terry Wilmot, P.O. Box 515, Montclair, N.J.
KMD4040 Jim Murray, 529 Second St., Troy, N.Y.
KMD4193 Dennis Kahn, 6 Evelyn Rd., Plainview, N.Y.
KMD4217 Clifford Dvorkin, 857 Liberty Ave., Union, N.J.
KMD4950 Tony Hayford, 1146 Broadway, Rensselaer, N.Y.
KMD5161 Richard Ernst, P.O. Box 103, River Edge, N.J.
KMG0214 Rich Matzka, 1437 Reservoir Ave., Roslyn, Pa.
KMG0471 Charlie Stauffer, R.D. 1, Hollywood, Pa.
KMG0515 Michael DeRossi, So. East Ave., Vineland, N.J.
KMG0524 Gary Nicholson, 801 North Pitt St., Carlisle, Pa.
KMG1344 Dorian Stuart, 613 Carsonia Ave. Pennside, Reading, Pa.
KMG1618 Jim Worrell, Central Ave., Bargaintown, N.J.
KMG1726 John Wilhelm, 401 2nd, Holloway Terr., New Castle, Del.
KMG1806 Ken Harryn, 158 W. Clarke St., Heliertown, Pa.
KMG1866 Don Titus, R.D. 1, Gettysburg, Two Taverns, Pa.
KMG1918 The Reinhardt, 445 Independence Dr., Burlington, N.J.
KMG2365 Stephen Drabick, 143 Garfield, Ave., Cimenton, Pa.
KMG2513 Harry Watson, 53 W. Columbia Ave., Lindenwood, N.J.
KMG2638 George Sayers, 317 W. VanBuren Ave., New Castle, Del.
KMI0928 Jim Shaffer, 109 South Front St., Georgetown, Del.
KMI0962 Wm. McDowell, 8 Jones St., Piedmont, W. Va.
KMI1219 Russel Lopez, 216 Elk Ave., Nutter Fort, W. Va.
KMI1825 David Waltz, 2134 Spencerville Rd., Spencerville, Md.
KMI1975 Bill Rowan, 718 S. 51st St., Baltimore, Md.
KMI2262 Todd Smith, 828 Hamilton Blvd., Hagerstown, Md.
KMI2317 Mike Pepper, 12905 Broadmore Rd., Silver Spring, Md.
KMK0250 Don Seay, 29200 S.W. 144th Ave., Leisure City, Fla.
KMK0462 Marc Jacobs, 4220 Kingcrest Pkwy., Richmond, Va.
KMK0600 R.C. Shanks, P.O. Box 252, Montross, Va.
KMK0676 Wallace Carroll, 105 E. Allen St., Monroe, N.C.
KMK1360 Lee Estes, 1717 Galloway Dr., Charlottesville, Va.
KMK2054 Jim Scott, Gladys, Virginia
KMK2560 Julian Thomas, 1408 Florence Rd., Charlottesville, Va.
KMK3175 Bill Lane, 302 Myrtle Lane, Altavista, Va.
KMM0243 Mike Murphy, 4505 Rogers Rd., Chattanooga, Tenn.
KMM0474 Albert Phillips, 892 Breedlove St., Memphis, Tenn.
KMM0591 Robert Dean, 301 N. Cherokee Ave., Dothan, Ala.
KMM1135 Lonnie Jenkins, 8 Ranger Dr., Charleston Hts., S.C.
KMM1177 Ted Booth, 231 Illinois St., Travis AFB, Calif.
KMM1484 Jerry Morgan, 106 Merchant St., Mt. Pleasant, Tenn.
KMM1812 Jimmy Allen, 909 Prospect Ave., Newport, Tenn.
KMM2386 Linda Chaffin, 505 First Ave., Mt. Pleasant, Tenn.
KMM3340 Jack Campbell, 1031 East Perry Rd., Greenville, S.C.
KMM4231 Dean Wood, Route 1, Bogart, Ga.
KMP0707 Jimmy Roberts, 2304 Palmdale St., Jacksonville, Fla.
KMP0848 Jim Skidmore, Route 2 - Box 281, Palatka, Florida
KMP1128 Cy Hyde, 1140 37th Ave. NE., St. Petersburg, Fla.
KMP2491 Robert Pirtle, 2213 Barry Drive, Fort Myers, Fla.
KMP3416 Edward Parker, 1031 S.W. 73rd Place, Miami, Fla.
KMP3674 Harve Kaufman, 144 Godfrey Ave., Pt. Charlotte, Fla.
KMR0099 Allen Duggar, 709 E. 6th, El Dorado, Arkansas
KMR1149 Linda Loftin, Rt. 1 - Box 429, Deridder, La.
KMR1294 Bill Landry, 9724 Diane Ave., Baton Rouge, La.
KMR1383 John Funk, Route 4, Paragoud, Ark.
KMR1859 Kenneth Gunter, Mobile, Ala.
KMR3460 Elmo Valesgas, 445 Day Dr., Baker, La.
KMR4011 Michel Fourrier, 3650 Hundred Oaks, Baton Rouge, La.
KMR4110 Scotty McCullough, 821 West Second Ave., Pine Bluff, Ark.
KMR4249 Bruce Broyles, P.O. Box 161, Newport, Ark.
KMT1506 Arthur Cates, 1310 North Dakota, Baytown, Texas
KMT1570 Dale Cuthbertson, Route 3, Bryan, Texas
KMT1963 Tommy Winder, 307 Hensel, Bryan, Texas
KMX0073 Tom Berg, P.O. Box AL, Atascadero, Calif.
KMX0339 Hal Manheim, 12907 Warren Ave., Los Angeles, Calif.
KMX2815 C.A. Emerson, 7448 E. Holly, Scottsdale, Ariz.
KMX3234 Ron Murphy, 12993 Herrick St., Sylmar, Calif.
KMX3509 Dale Johnston, 13609 Hutchcroft, La Puente, Calif.
KMX3691 Wade Hardison, 110 Glenhaven Way, Chula Vista, Calif.
KMX4743 Gus Colgain, 1004 Cosmo Ave., El Cajon, Calif.
KMX4865 Mim Osgood, 697 "J" St., Chula Vista, Calif.
KMX5937 Alan Klose, 2844 Lincoln Court, National City, Calif.
KMX5963 Charles Beach, 827 Silver Brook Dr., El Cajon, Calif.
KNA1724 Jim Byrne, 140-31st Ave., San Mateo, Calif.
KNA2637 Denver Landi, P.O. Box 655, Cupertino, Calif.
KNA3418 George Bray, 2187 Meadowglen Ave., Sacramento, Calif.
KNA4015 C.W. Graham, 4266 Carter Court, Concord, Calif.
KNC1560 Murray Johnson, P.O. Box 222, North Bend, Oreg.
KNF0188 Kerry & Ed Peterson, 1329 Draper Ave., St. Paul, Minn.
KNF1478 Bob'n Lubber, 7 No. Broadway Apt. 2, Watertown, So. Dak.
KNF1721 M. L. Gibson, Route 1 - Box 22-H, Mountain Iron, Minn.
KNF2116 Ralph Jacobsen, Route 4 - Box 58, Waupaca, Wis.
KNH0552 Larry Huggins, 614 N. Chestnut St., Olathe, Kans.
KNH2587 Frank Mauler, RFD 1, Olnutz, Kansas
KNH2593 Lou Hartmann, 125 E. Holden, Lemay, Mo.
KNH3016 Lee Glone, 101 Fannie, Lemay, Mo.
KNH3499 Dillard Smith, 1610 Nall St., Sherman, Texas
KNH4790 Don Drey, 12186 Parkwood Place, Bridgeton, Mo.
KNH6618 John Breidert, 2208 Empress Dr., St. Louis, Mo.
KNH7064 Jim Habler, 4114 "S" St., Omaha, Nebr.
KNJ0959 Bill Berendts, 818 Third St., Kalona, Iowa
KNJ1289 Richard Morgan, Box 891, Supply Sq., Duluth, Minn.
KNJ2128 Jim Siddons, 604 20th Ave. Ct., East Moline, Ill.
KNJ3086 Janet Stanley, 334 N. Franklin St., Dunkirk, Ind.
KNJ3718 Jim Coyle, 4522 11th St. Court, East Moline, Ill.
KNJ4342 Kenn Paulini, 2343 Birch St., Des Plaines, Ill.
KNJ4360 Andy Croxton, 4241 Main St., Downers Grove, Ill.
KNJ4430 David Conder, 1319 South Cherry, Centralia, Ill.
KNJ4735 Arthur Martin, 424 E. 4th St., Mishawaka, Ind.
KNJ5625 Dave Ludwig, 1325 Lincoln Way, East Mishawaka, Ind.
KNJ6056 Jude Littell, R. 6, Lake Edgewood, Martinsville, Ind.
KNJ6149 Stewart Witkov, 9110 N. LaCrosse, Skokie, Ill.
KNJ6487 John Crawford, P.O. Box 1053, Owensboro, Ky.
KNJ7001 Frank Krozal, 5717 S. Merrilmac, Chicago, Ill.
KNJ7169 Robert Eurick, R. R. 2 - Box 20-B, Noblesville, Ind.
KNJ7356 Pete Klufets, 1024 Pusheck Rd., Bellwood, Ill.
KNJ7476 Chuck Niebauer, 174 East Cleveland Rd., South Bend, Ind.
KNJ7802 Wm. Wallace, 35 Gilbert St., Savanna, Ill.
KNJ8625 Charlie Tuegels, 2318 Prince, Dubuque, Iowa
KNJ9435 Fred Hammerich, 267 Eleventh St., La Salle, Ill.
KNJ9805 Mark Fumagalli, 931 Highland Ave., Joliet, Ill.
KNK0240 Don Field, 464 Shabbona Dr., Park Forest, Ill.
KNK0256 Dennis Cornell, 10 W. Dover Dr., Des Plaines, Ill.
KNK0383 Whitney Overton, RFD 2, Claypool, Ind.
KNK0418 Gordon Rohn, 23 Vaughn Ct., Eatontown, N.J.
KNK0561 Gordon Gerber, 688 Chester Ave., Elgin, Ill.
KNK0654 Roy Trombold, 301 N. 1st St., Geneva, Ill.
KNK0846 Ed. Gresing, 7917 W. Medford Ave., Milwaukee, Wis.
KNK1126 Richard Danhauer, St. Paul Church, RR. 2, Leitchfield, Ky.
KNK1867 John DREW, 116 So. Promenade, Havana, Ill.
KNK1923 Robert Klopenstein, 407 South West St., Mishawaka, Ind.
KNM0784 The Edmists, 1704 Marks Ave., Akron, Ohio
KNM0810 Don Theisen, 53 Norwood Ave., Norwalk, Ohio
KNM1285 Mark Berger, 3000 Dale Ave., Columbus, Ohio
KNM1533 Glen Wright, Rt. 1 - Box 122 A-1, Hurricane, W. Va.
KNM2171 Gary Maturen, 1003 Court, Saginaw, Mich.
KNM2677 Tom Jones, 2975 Cornell, Dearborn, Mich.
KNM2800 Harley King, 1821 Route 2, Chesapeake, Ohio
KNM2845 Marion Rizer, Box 19, Mason, W. Va.
KNM2986 Jeff Chen, 7404 Devon Lane, Chesterland, Ohio
KNM3050 Jim Dameron, 2556 N. Union Rd., Dayton, Ohio
KNM3389 Sky Wittig, 603 Spruce St., Manistee, Mich.
KNM4570 Myrtle West, 1804 East Ganson St., Jackson, Mich.
KNM4813 Jim Waters, 28 S. Pembroke Ave., South Zanesville, Ohio
KNM5016 Bill Brooks, 117 W. Stewart Ave., Flint, Mich.
KNM5298 Ned Duval, 784 Third St., Philo, Ohio
KNM6202 Clarence Wrzesinski, 207 St. Mary's Pkwy., Manistee, Mich.
KNM6687 Joe Kasanic, 635 Derrig, Akron, Ohio
KNM6782 Elwood Duty, Route 1, Central Station, W. Va.
KNM6935 Roger Weber, 6231 Highland Rd., Cleveland, Ohio
KNM7694 Keith Carnes, 2277 Oak Park Ave., Muskegon, Mich.
KNM7972 Tom Howes, 6354 Gale Rd., Atlas, Mich.
KNM8026 Mel Kropko, 465 Mandlerley, Akron, Ohio
KNM8156 O. L. Smith, 720C Memer, NAS, Patuxent River, Md.
KNM8674 Larry Richardson, 536 Miami Ave., Barberton, Ohio
KNM9486 Stephen Hodges, 105 1/2 5th St., Ludington, Mich.
KNM9699 Ted Davis, R.D. 1 - Box 38-A, Farmdale, Ohio

- KNN0426 Bob Mebs, 935 Islington, Toledo, Ohio
 KNN1158 Elvis Eves, 2020 Lowden Lane, Flint, Mich.
 KNP0036 Tom Braddocks, 518 Green St., Freeland, Pa.
 KNP0253 Dave Smailes, 702 Church St., Moscow, Pa.
 KNP0457 Jeff Ohlsson, 86 Bowen St., Jamestown, N. Y.
 KNP0567 Bob Ivanoff, 726 Ellsworth Ave., Jeannette, Pa.
 KNP1042 Don Lewis, 33 South Morningside Dr., Binghamton, N. Y.
 KNP1200 Chuck Kratochvils, 111 Cort St., Jeannette, Pa.
 KNP1421 John Ricci, 2835 Fourth Ave., Beaver Falls, Pa.
 KNP1444 Paul Clark, 863 Monaca Rd., Monaca, Pa.
 KNP1445 Earl Roehl, 861 Monaca Rd., Monaca, Pa.
 KNP1508 William Seward, Lansing Rd., Hagaman, N. Y.
 KNP2071 Bill Knouse, R.5 Nike Village, Redmond, Wash.
 KNP2225 Robert Madison, 1515 Edgar Ave., Chambersburg, Pa.
 KNP2429 Bob Bialecki, 17 Roser St., Rochester, N. Y.
 KNP2464 Otto Elderkin, Deer Creek Rd., Portville, N. Y.
 KNP2471 Jim Laubs, Route #1, St. Thomas, Pa.
 KNP2658 Ronnie Goodwin, R.D. #3, Wellsboro, Pa.
 KNP2730 Dick Newell, 395 Fairmount, Jamestown, N. Y.
 KNP4176 Ron Taylor, Chapel Hill Rd., East Randolph, N. Y.
 KNP4353 Chuck Harrison, 140 Whitehill Ave., Jamestown, N. Y.
 KNP4524 David Disbrow, 32 Hollister St., Dundee, N. Y.
 KNP5155 John Thompson, 436 N. Main St., Wilkes Barre, Pa.
 KNP5523 Dave Doxey, 807 Elizabeth St., Mechanicville, N. Y.
 KNP5743 Gene Wingert, 8 Lincoln Ave., Waynesboro, Pa.
 KNU0024 James Schubauer, 420 Haines, Fairbanks, Alaska
 KNU0024 Sharon Schubauer, 420 Haines, Fairbanks, Alaska
 KNU0079 Dale Martin, 516 N. Pine St. Apt. 5, Anchorage, Alaska
 KNV0070 Pat Parker, 1023-16th St. N.E., Washington, D.C.
 XM112045 Lloyd Tait, 132 Riverside Dr., Penticton, B.C.
 XM231343 Tom Sanders, #505, 1904-10th St. S.W., Calgary, Alberta
 XM23597 Byron Orge, P.O. Box 1122, Medicine Hat, Alb., Canada
 XM41747 Capt. Blood, R.R. 1, Orillia, Ont., Canada
 XM412800 Skippy Massam, 66 Guthrie Ave., Toronto, Ont., Canada
 XM431259 Denis Dubois, Box 71, Welland, Ontario
 XM43614 Jacob Fehrman, R.R. 1, Port Colborne, Ont., Canada
 XM431853 Jim Myers, 2542 Culp St., Niagara Falls, Ontario
 XM442411 Bill Kerwin, 287 Nelson St., Sarnia, Ontario
 XM522895 Bernard Rachlin, 2615 Kent Ave. #204, Montreal, Quebec
 XM53463 Francois Goyer, 259 rue Moisan, Drummondville, P. Q.
 XM551949 George Gadbois, 2, Lockwell, App. 18, Quebec, Canada
 XM56701-2 Francoise Bourassa, 1012, Notre-Dame, Shawinigan, Que.
 XM64163 Norbert Doucet, 120 Crescent, Sydney, Nova Scotia
 XM65391 Gregg Calkin, 174 Waterloo St., St. John, N.B., Canada
 Cent. 1670 O. J. Wakeman, P.O. Box 107, Marshall, Mich.
 Cent. 3250 David Sigo, Rt. 1 - Box 153, Goodland, Ind.
 Cent. 93026 Card Swapping Dale, 125 E. Holden, Lemay, Mo.
 North 1090 Ray McCarty, 6 Circle, Hornell, N. Y.
 North 3020 Robert Ream, 608 High St., Lancaster, Pa.
 North 3300 Tom Bolling, 233 Temple St., Fredonia, N. Y.
 WPE1CRM Alan Michalek, 227 Relands St., Springfield, Mass.
 WPE1GHU Noel Vander, 63 East Clinton St., New Bedford, Mass.
 WPE2ICH Walter Haines, Sandtown Road, Medford, N. J.
 WPE2LJE Big Bad Bob, 871 Falesky St., Rahway, N. J.
 WPE2NHW Gerry Schechter, 3535 Kings College Pl., Bronx, N. Y.
 WPE2NIO Sheldon Shuff, 105-57 Flatlands 8 St., Brooklyn, N. Y.
 WPE3FQQ Donald Schmitt, Box 14, Gettysburg, Pa.
 WPE3FSC Robert Ream, 608 High St., Lancaster, Pa.
 WPE4ENC Jimmy Bullock, 1628 Long Ave., Nashville, Tenn.
 WPE6GBC Henry Slade, 136 Tamarack St., Vandenberg AFB, Calif.
 WPE8HQN Walter Huber, 365 Notre Dame, Grosse Pointe, Mich.
 WPE8HLZ Doug McAbee, P.O. Box 205, Goodrich, Mich.
 WPE0DDO Stu Grade, 3210 13 St., Sioux City, Iowa
 WB2PGN Jeff Mosby, 433 1/2 Leland Ave., San Jose, Calif.
 SWL Rich Caldeira, 16317 Molino Dr., Victorville, Calif.
 TRQ-1000 David Bubeck, 109 E. Main St., Schuylkill Haven, Pa.
 OZDR1261 Palle Nielsen, Humlebaekgade 13111, Copenhagen N Denmark
 ONL170 Jacquet Camille, UBA P.O. Box 634, Brussels, Belgium
 Ralph Bryant, 716 Riverside Drive, Fairfield, Conn.
 Ruth Charon, 109 Bowers St., Holyoke, Mass.
 Central Printing, 920 Vandeventer, Fayetteville, Ark.



AND



PERFECT
PAIR...

SOLID
STATE...

SOLID
STATEMENT

QUOTE:

Ray-tel, all-transistor C-B radio line, broadest of any in scope, priced to reflect full value at all equipment levels.

This fine line ranges from the sophisticated, full-feature 11-channel TWR-5 intended for personal and business communication systems, to the diminutive 5-channel TWR-7, price and performance peer of all the solid-state mobile radios.

We will be pleased indeed to send you complete details.

Please send details on Ray-tel TWR-5 and TWR-7.

Name			
Number	Street	State	Zip Code
City			

RAY-TEL
213 E. Grand Ave., So. San Francisco, Calif. 94080



WE NEED CB DEALERS!!

AS distributors handling all Major brands of CB equipment, antennas, and accessories we can offer local dealerships to aggressive CB dealers and installers. Write at once for information and your costs on the brands you prefer to handle. Dept. 624

KNOX ELECTRONIC SUPPLY, INC.

67 N. Cherry St., Galesburg, Illinois.

The BIG Switch Is To S9

December 1965 • 61



WASHINGTON OUTLOOK

FCC LETS UP ON CB'ERS

What we hope will be a trend in FCC actions seems to be apparent this month—they have cut their CB steamroller down to a mere fraction of its past speed. We have a scant few Show Cause notices, some charges dismissed, only a few monetary forfeitures (including a few which were reduced), and for the first time we can remember, only one license was revoked. Spread the word among the faithful!

• Here are the CB'ers who received Show Cause notices:

KEH1997, Edwin M. March, Choctaw, Okla.
KLN4732, Robert L. Kendrick, Detroit, Mich.
KHG4840, Arden L. Ford, Bellefontaine, Ohio.
KHJ7141, James L. Moore, Detroit, Mich.
KNA1355, Robert D. Nelson, Oakland, Calif.
KEE3933, Jimmy W. Chadwick, Port Arthur, Texas.

KKK1421, Raymond A. Ball, Statesville, N. C.
19Q1819, Howard L. Barkley, Marion, Ohio.
KKA3472, Marshall Silberberg, Dorchester, Mass.

KBD2328, Kenneth R. Dexter, Roxbury, Mass.
KGA0116, Darrel W. Butler, Spokane, Wash.
7Q2265, Motor Inn Service, Miami, Fla.

• These operators received notices that they owed Uncle Sammy \$100 each for various reasons:

KKM9772, Franklin E. Davenport, Greenbrier, Tenn. (skip).

KDD9683, George E. Newborn, Douglasville, Ga. (non-permissible communications).

• The single license revoked was:

KCF2482, Paul L. Goddard, Fairfax, Va. (non-permissible communications and non-compliance with time limitations).

• On the rosy side of the picture, these CB'ers had \$100 forfeitures reduced to only \$25:

KCF1619, Douglas Carson, Crisfield, Md.
KDB6080, Ernest Copeland, Kite, Ga.

• This CB'er had a \$200 forfeiture reduced to \$100:

KLA4751, William F. Weber, Fresno, Calif.

• These operators had FCC complaints against their stations dismissed:

KNE0187, Cleve Doyle, Canon City, Colo. (settled with monetary forfeiture).

7W2726, Edward Canty, d/b/a E. C. Radio and TV, Pompano Beach, Fla. (license expired).

KLP5586, B&L Furniture, Rochester, N. Y. (settled with monetary forfeiture).

KFA5830, Robert V. Gendle, Sr., Bellflower, Calif. (charges retracted).

KDD5037, Matha Reid, Atlanta, Ga. (license cancelled).

So, as you can see, this month there are *far* fewer FCC actions then noted during any similar period in many, many, months—could be some kind of trend. We hope so!

Behind the scenes at the FCC, the HELP emergency program is running into some rough sledding. Seems that a number of police officials across the nation feel that there will be too many CB "space cadets" riding the megacycles creating interference on the HELP channels. They're trying to swing their weight to squash the program. The opposition was presented by an organization known as the International Association of Chiefs of Police. They've got their own problems at the IACP because the U.S. Attorney General, Nicholas Katzenbach, has told them to get on the ball and modernize police methods.

KONVERT

Continued from page 16

battery. From there on there is very little similarity.

I would suggest that you take a serious look into the possibilities of using a converter for monitoring from your mobile unit—or even from your base station.

For your convenience I am passing along a list of manufacturers of what appear to be the better quality converters available. Send these manufacturers a card or letter and they will be pleased to furnish you with complete literature on their various models (some have ten or twenty different models). If you mention S9 when writing, some of these manufacturers will give you RUSH personal service and also throw in some special data on their products which is not normally sent out with inquiry replies.



SWL SHACK

Continued from page 40

EST. On the CW bands, he reports the following military stations (locations unknown) "AOL" on both 4503 and 5290 kc/s at 1926 EST; also "J8S" on 2655 and 3395 kc/s at 1840 EST. Also on CW he has MLU, Gibraltar, on 11654 kc/s at 1532 EST; XDA, Mexico City, 10448 kc/s at 1840 EST; GIB30B in Rugby, England, on 10865 kc/s at 1820. Directly below the standard broadcasting band there are a wealth of CW stations (beacons) which can be monitored on most receivers. Tom heard: "FH," Shearwater, N. S. on 534 kc/s at 2012 EST; "FZ," St. Hubert, Que., on 524 kc/s at 2013 EST; "BE," Bedford, Mass. on 512 kc/s at 2015 EST; "NB," North Bay, Ont., on 530 kc/s at 2019 EST; plus the following unknowns: "NC" on 519 kc/s and "FG" on 521.5 kc/s, both at 2030 EST.

Tom hears all of this on a Collins R-390A digital readout receiver headed by an Ameco Nu-vistor preamp. This is hooked to a 200 foot long-wire. He's got a new location, way out near the end of Long Island where reception is fantastic.

Send in those DX reports gang, and how about some shack photos?



SUZIE SEZ

Continued from page 34

have been lost in the woods.

"If you need help, you only have to 'shout' it once—a CB'er will be there."

Thanks to Pat Smith, the President of the Womens' 10-4 Club of Jamestown, N. Y. for sending us this item.

This is the type of thing we like to hear about, let's see if more of you gals can send us news like that.

Thanks to Betty Sudduth, KMN9088, for a great holiday cheerer upper for your OM's and yourself. We call this a Holiday Cocktail Cake.

- 1 egg
 - 1 cup sugar
 - 1 can #303 fruit cocktail
 - 1 cup flour
 - ½ teaspoon salt
 - 1 teaspoon baking soda
 - 1 teaspoon vanilla (add last)
- Combine } ¼ cup brown sugar
 } and
 } ¼ cup nuts

Beat egg and add sugar, fruit cocktail, and sifted flour with soda and salt. Add vanilla.

Pour into 8 x 8 inch greased and floured pan and sprinkle top with the brown sugar and nuts.

Bake in 350° oven for about 35 to 40 minutes—until nice and brown. Let cool in pan. Cut in squares to serve.

Remember girls, this is your column. Let us know what you think about it, and what you would like to see printed in it. We have several ideas on the fire that we are sure you will love, such as contests, goodies, etc., but we would like to hear from you.

Well, 'till next month, we wish you a happy holiday.



FOREIGN SWAPPERS

Continued from page 22

USSR (KIRGHIZ) (11/25/X)

- UM8-8451 Peter, Box 88, Moscow
- UM8-8453 Nick, Box 88, Moscow

USSR (LATVIA) (11/25/X)

- UQ2-22243 Valery V. Krochakevich, Box 88, Moscow
- UQ2-22254 Yuri I. Egerov, Box 88, Moscow
- UQ2-22289 Vlad, Box 88, Moscow
- UQ2-22484 Basil, Box 88, Moscow

USSR (ESTONIA) (11/25/X)

- UR2-22822 Arne Allaste, Box 88, Moscow
- UR2-22871 Rein Liivak, Box 88, Moscow

WALES (11/15/3)

- GW-10819 F.A. Broughton,
47 Kings Rd., Holyhead, Anglesey



NEXT MONTH IN S9:

- Directory of FCC Monitoring Stations
- The Vee-Bee Antenna
- You and your @#!\$&@? Mobile Noise
- And much much more . . .

HEAR POLICE CALLS IN YOUR CAR!!



Plug in our shortwave converter and receive any single frequency (AM or FM) between 25 and 180 mc/s. Connects in seconds to any auto radio without tools, switches in or out of circuit. Fully wired and tested. transistorized, and with self-contained battery, you can use it to monitor CB, police, fire, telephone, aircraft, hams, taxi, business band, etc. When ordering, specify frequency you wish to receive and also a clear frequency on your radio dial below 1000 kc/s. Only \$37.50, complete.

SENTRY MFG. CO.

P.O. Box 12322, Oklahoma City, Okla. 73112

STOP TV COMPLAINTS

Justify your existence join our Club or any Club and start your own local Emergency Net—FREE information and Bulletins sent to all our REC Club members. Mail \$3.00 for your Membership and you will receive this Exterior Styrene Plate FREE Postpaid in the U. S. or Canada. (\$1.50 for each Extra Plate.)

MAIL BOX • DOOR • CAR • SHACK • ETC.

SIZE 4½" X 10½"



Enclose \$3.00 for your Membership Bulletins and Styrene Plate Post Paid

CHECK MONEY ORDER BILLS (fold in paper)

REC Club

7918 Sunset Blvd. • Los Angeles, California 90046

Name _____ Call _____

Address _____

City _____ State _____

CB SHOP

Rates for CB SHOP are 10¢ per word for advertising which, in our opinion, is obviously of a non-commercial nature. A charge of 25¢ per word is made to all commercial advertisers or business organizations. A 5% discount is in effect for an advance insertion order for six consecutive months.

We do not bill for advertising in CB SHOP. Full remittance must accompany all orders and orders sent in otherwise will not be run or acknowledged.

Closing date is the 15th of the 2nd month preceding date of publication.

We reserve the right to reject advertising which we feel is not suitable.

Because the advertisers and equipment contained in the CB SHOP have not been investigated, the publishers of S9 cannot vouch for the merchandise or services listed therein.

THE BAND BLASTER super Nuvistor microphone amplifier installs between your mic input jack and grid in less than 30 minutes. The poor man's way to be king of the mountain. Only \$9.95, wired and tested from Sentry Mfg. Co., P.O. Box 12322, Oklahoma City, Okla. 73112.

QSL's by Brownie "W3CJI." Since 1939—Quality CB-WPE-QSL cards. Samples 10¢ with catalog 25¢. 3111 Lehigh, Allentown, Pa.

QSL's, 8-12 different beautiful embossed glittering cards 25¢, refundable coupon. Andy's, Bridge St., Amsterdam, N. Y.

"ARE YOU SINCERE? Are you really looking for the best deal on a new or fully guaranteed used CB unit? Let us convince you with a specific quote that will really save you money. GRAHAM RADIO, Dept. E, Reading, Massachusetts."

CB DEALERS ONLY—One of the nation's largest suppliers of connectors, test equipment and accessory items has a new Catalog out listing direct-to-the-dealer prices on the items most needed by your customers. A card to LOGAN RADIO COMMUNICATION SUPPLY, 2110 Avenue J, LUBBOCK, TEXAS 19405, will bring your firm a copy.

HEY PUSSY CATS! Want a sneaky way to build up your card swappers collection? We will ship you 25 different cards for only \$1. No printers samples or junk, but REAL CB QSL's from all over, some actually signed by the ops. S. Nussbaum, 1440 50th St., Brooklyn, N. Y. 11219.

CB DEALERS ONLY—One of the nation's largest suppliers of connectors, test equipment and accessory items has a new Catalog out listing direct-to-the-dealer prices on the items most needed by your customers. A card to LOGAN RADIO COMMUNICATION SUPPLY, 2110 Avenue J, LUBBOCK, TEXAS 79405, will bring your firm a copy.

CARD SWAPPERS—Send 5 cards and 25¢. Get 5 different back. P.O. Box 5434, Pasadena, California 91107.

Want to make your own 2-element high gain antenna for less than \$5.00? Stands high winds. Mounts vertically or horizontally. Feeds directly with 52-ohm coax. Material available locally. Plans \$1.00. L & M Products, Box 319, Opa Locka, Fla. 33054.

POCKET RUBBER STAMP—Three lines—one dollar. Lester Lilly, Route One, Box 160, Maynard, Arkansas 62444.

Special PL-259 connectors 29¢ (10 lot) 40¢ single. Postage paid. Reduced prices on all radio parts, tubes, equipment. **MIDWEST RADIO CO.**, 110 East Kansas, Smith Center, Kansas.

FREE CB QSL SAMPLES. From \$2.50 per 100. Radio Press, Box 24S, Pittstown, New Jersey.

CB Crystals—\$1.75 each postpaid. Any channel, any set. **QUAKER ELECTRONICS**, P.O. Box 215, Hunlock Creek, Pa.

CB DEALERS!—If you haven't got it—you can't sell it. Why send your business somewhere else? Here at Graham Radio, we have thousands of CB and amateur radio units and accessories at dealer wholesale prices, and available for immediate shipping. Write for our latest dealer catalog. **Graham Radio Inc.**, Dept. S, Reading, Mass. 01867. Tel. (617) 944-4000.

QSL COLLECTORS: Send 40 cards and 50¢ to Dick Schreiber, Box 147, Barrington, Rhode Island 02806. Get 40 different back.

CONVERT your car radio to a super sensitive shortwave receiver with a Sentry Universal Converter. Will receive any band between 40 and 60 mc/s, convert it to the broadcast band. Wired and tested, less crystal only \$9.95. With crystal (specify band desired) only \$14.95. **Sentry Mfg. Co.**, P.O. Box 12322, Oklahoma City, Okla. 73112.

CRYSTALS, Mailed anywhere. Any channel, any set, all \$2.25 each. Thousands in stock. Shipped same day. Cash orders shipped postpaid. **Worcester Radio**, 164 Main Street, Worcester, Mass. 01608.

PART 15 ANTENNA—Instructions convert CB 100MW included. \$12.95 **Terry Electronics**, Box 121, St. Charles, Mo.

"QSL's. Top quality, reasonable price. Samples 20¢. **CB Press**, Box 281, Oak Park, Illinois 60303."

QSL Cards—Full Color, Glossy Stock. Free Samples. **F. B. Mathews**, 1616 Rural Street, Rockford, Illinois 61107.

QSL's Want something different? Lowest prices anywhere! Samples 5¢, **NU-PRINT**, 322 Page Boulevard, Springfield, Massachusetts 01104.

QSL cards—FCC labels, plastic call letter plaques, other products. Samples 10¢. **April Sign Co.**, 56290 Van Dyke, Washington, Michigan.

PICTURE of yourself, home, equipment, etc. on QSL cards made from your photograph. 250—\$7.50 or 1000—\$14.00 postpaid. Samples free. Write **Picture Cards**, 129 Copeland, La Crosse, Wis.

CONVERTER SALE

New series 300 with 3 VHF-UHF transistors, crystal-controlled oscillator, tuned R.F. stage and low noise mixer. One microvolt sensitivity. More than 30 high quality parts carefully assembled and tested. Measures only 3" x 2 1/4" x 2". Operates at 12 volts DC 4-5 ma. Available in the following models:

	Model	Input mc.	Output mc.	Price
2M	300-D	144-148	50-54	\$12.95 ppd.
	300-E	144-145	6-1.6	\$12.95 ppd.
	300-F	144-146	28-30	\$12.95 ppd.
	300-Q	144-148	14 18	\$12.95 ppd.
6M	300-B	50-51	6-1.6	\$12.95 ppd.
	300-C	50-54	14-18	\$12.95 ppd.
	300-J	50-52	28-30	\$12.95 ppd.
20M	300-G	14.0-14.35	1.0-1.35	\$11.95 ppd.
CB	300-A	26.965-27.255	1.0-1.29	\$11.95 ppd.
WWV	300-H	5.0	1.0	\$11.95 ppd.
Int'l.	300-I	9.0-10.0	6-1.6	\$11.95 ppd.
CHU	300-K	7.3	1.0	\$11.95 ppd.
CHU	300-L	3.35	1.0	\$11.95 ppd.
Marine	300-M	2-3	6-1.6	\$11.95 ppd.
Aircraft	300-N4	121-122	6-1.6	\$13.95 ppd.
	300-N5	122-123	6-1.6	\$13.95 ppd.
Fire, Police etc.	300-P	155-156	6-1.6	\$13.95 ppd.
Custom Made	300-X	Choice of 1 input freq. and 1 output freq. between .6 mc. and 160 mc.		\$14.95 ppd.

For prompt shipment of stock models include postal money order or cashier's check. Special models shipped within six weeks. Personal checks must clear before shipment. For C.O.D.'s include 20% deposit. New York City residents add 5% sales tax. New York State residents add 2% sales tax.

VANGUARD ELECTRONIC LABS

Dept. T-12

196-23 Jamaica Ave.

Hollis, N. Y. 11423

INTRODUCTORY CRYSTAL OFFER

Save with **ROLIN CB Crystals**

\$1.75 ea.

THRU DECEMBER 31, 1965

CB crystals for all popular sets in stock
All crystals guaranteed within .005% tolerance
Please specify make and model of sets, channel and whether transmit or receive crystals required

MAIL THIS COUPON
WHILE SPECIAL OFFER LASTS

ROLIN DISTRIBUTORS

P.O. Box 306, Dunellen, N. J. 08812

MAKE & MODEL CHANNEL TRANS. REC.

MAKE & MODEL	CHANNEL	TRANS.	REC.

Enclose: \$..... Check Money Order

Name

Address

City..... State..... Zip.....

EXTRA

CB crystals furnished to .0025% tolerance at \$3.00 each. Channels 22A, 22B, 23A and Radio Control frequencies are available at \$4.00 each. Two weeks delivery.



advertisers index

Allied Radio Corp.	68
Amphenol-Borg Electronics Corp.	28
American Knitwear	29
Antenna Specialists Co.	Cover 2
Astatic Corp.	13
Apollo Co.	29
Browning Laboratories, Inc.	5
Columbia Products Co.	36
Demco Electronics	11
e.c.i. electronics communications, inc.	6
Eico Electronic Instrument Corp.	3
Evans Radio	67
E.Z. Mobile Mounts	54
General Radiotelephone Corp.	Cover 4
Hallicrafters Co.	8
Heath Company	41
Hy-Gain Antenna Products	Cover 3
International Crystal Mfg. Co.	1, 38
Johnson, E. F. Co.	14
Knights, C. T. S., Inc.	67
Knox Electronics	38
Lafayette Radio	33
Mark Products Co.	45
Master Mobile Mounts	53
Mathews QSL's	10
Multi-Elmac Co.	30
New-Tronics Corp.	24
103 Transistors	31
Pearce-Simpson, Inc.	46
Petersen Radio Co., Inc.	44
Ray-Tel Products	61
REC Club	64
Rolin Company	65
Sentry Mfg. Co.	64
Sonar Radio Corp.	49
Squires-Sanders, Inc.	26
S9 Subscriptions	50
Technics, Inc.	48
Texas Crystals	47
Thordarsen-Meissner	29
Tram Electronics	55
United Scientific Labs	19
Vanguard Electronic Labs	65
Who's Who in CB	39
World Radio Labs	23

POWSENFORMER—Low AC line voltage reduces CB rig power and sensitivity. Boost line voltage for sensational increases in power output and receiver sensitivity with a **POWSENFORMER**. No soldering, plugs into wall outlet. Send \$6.95 ppd. Dynamic Development, P.O. Box 2084-D, Pasadena, California 91105.

CB—SWL's 200 designs, state maps, humorous, regular. Catalog—samples 25¢ (refunded). KCJ-1955, Lile Guill, Rustburg, Va. 24588.

CB transmitters \$6.00. Other bargains, catalog 10¢. Vanguard, 190-48—99th Ave., Hollis, New York 11423.

Crystals Guaranteed any channel—most sets \$1.99 ea. \$3.80 pr. cash with order shipped postpaid radios and accessories. Crystal King, Box 439, Big Rapids, Michigan.

CB Catalog—Fantastic Bargains—Write Echo Communications, Box 43, Cedarburg, Wisconsin 53012.

FREE SAMPLES—CB QSL CARDS—\$2.50 per 100 in 3 colors. Garth Printing Company, Box 51S, Jutland, New Jersey.

Citizen Band Transceivers, two Johnson Personal Messengers, 1½ watt handtalkies with leather carrying case, unused, purchased for hunting trip that folded, must sell, going overseas, ship to your instructions, \$79.95 each. Dale McLaughlin, RFD 7, Box 84, Frederick, Maryland 21701.

SAVE MONEY ON QSL'S! I print 'em cheap or show you how to print your own. Send 10¢ for details and samples. Dupli-Press, 1367 Gary Street, Merritt Island, Florida.

"Audio-Aid-All" Clipper-Filter kit, \$10.99; \$14.99 wired. Boosts modulation, aids reception. SK-20 Preselector for SWL's, kit \$18.98. Postpaid. HOLSTROM, Box 8640-S, Sacramento, California 95822.

CB transmitters \$6.00. Other bargains, catalog 10¢. Vanguard, 190-48—99th Ave., Hollis, New York 11423.

Crystals—CB—Sub-Miniature types in HC—18/U holders. Used in Walkie-Talkies and other sets. Only \$1.50 each postpaid these exceed FCC tolerances. Send for list of available channels. Quaker Electronics, Hunlock Creek, Pa. Known Worldwide for my quality crystals.

CBer's CHRISTMAS—A personalized CB Log Book with space for 1000 entries. Call Letters imprinted in gold on simulated leather cover; makes attractive gift. \$2.00. RONCO, Box 8701, Kansas City, Mo.

CB, SWL, QSL, WPE Cards. Samples 10¢. Nicholas & Son Printery, P.O. Box 11184, Phoenix, Arizona 85017.

CBer's, New Solid State Mobile Antenna Booster. Increase range, power, receiver sensitivity. Decrease SWR, noise. R.F., modulation indicator, lightning protection. \$9.95. Dynacomm, 4860 N.W. 2nd Avenue, Miami, Florida.

PLUG IN our shortwave converter and receive any single frequency (AM or FM) between 25 and 180 mc/s. Connects in seconds to any auto radio without tools, switches in or out of circuit. Fully wired and tested, transistorized, and with self-contained battery, you can use it to monitor CB, police, fire, telephone, aircraft, hams, taxi, business band, etc. When ordering, specify channel you wish to receive and also a clear frequency on your radio dial below 1000 kc/s. Only \$37.50, complete. From Sentry Mfg. Co., P.O. Box 12322, Oklahoma City, Okla. 73112.

QSL's—The New Look—Reasonable—Samples 10¢—VYS QSL's, 1704B Hale, Fort Wayne, Indiana 46804.

CB'ers—Skyrocket your audio output legally. Simplified instructions—\$1.00. Rugby, Box 47, Brooklyn, New York 11203.

PHOTOLABELS for your QSL's, BRAND NEW ITEM. 500 for \$2.50 postpaid (California residents add 4% sales tax). PHOTO plus four line name, call, address, zip, quality printed on gummed paper in attractive plastic box. Exciting way to PERSONALIZE your QSL's, correspondence, envelopes, checks, records. Ideal for Pen-Pals, Business, Clubs. Send photo print (no negatives, print NOT RETURNABLE) with subject no larger than 1 3/4" square of self, children, pets, product, etc. (PLEASE PRINT) name, call, address, zip, mail with \$2.50 MO to CITIZENSPHONE, BOX 1063, LOMPOC, CALIF. 93438.

Heathkit owners, double reception! SK-3 Preselector fits GW-10, GWO11; SK-4 fits GW-12. \$8.99 kit, \$11.99 wired. Postpaid. Free kit, antenna list. HOLSTROM, Box 8640-S, Sacramento, California 95822.

I-C-B-A. A non-profit Ass'n. for Citizens Radio Clubs, Members, Business and Individuals. Clubs—\$10, Active—\$5, Semi-Active—\$3. (Not restricted-Inactive \$1, year) Memberships available. Majority will succeed—not Minority in Congress or FCC Bureaus. Join now, enjoy prestige, recognition the American way. Registered with the California Secretary of State since Feb. 17, 1965. I-C-B-A, Box 464-90231, Culver City, Calif.

CB transmitters \$6.00. Other bargains, catalog 10¢. Vanguard, 190-48 99th Ave., Hollis, N. Y. 11423.

"U.S. GOVERNMENT OFFICIALLY LICENSED RADIO COMMUNICATION STATION" sign for your sun visor. Printed in big white letters on black background, heavy card stock. Looks great! Order it now and receive absolutely FREE a realistic "UNCLE" ID card and a zany surprise sticker for your front door. Only 50¢, 3 sets for \$1, postpaid. Haral Associates, CB Dept., 1133 Broadway, New York, N. Y. 10010.

FREE S9 SUBSCRIPTION with each and every one of our TR-SONIC FISH CALLS. Sold in stores at \$13.95, we'll let you have one (with 12 issues of S9) for only \$11.95 if you mention that you saw our ad here. In the ocean, in a river or lake, this device attracts fishes by means of electronic trickery. Comes with batteries, ready to pull 'em in. Electronics, P.O. Box 124, Jamaica 13, N. Y.

GUARANTEED 100%



**GOLDEN
LINE
C/B CRYSTALS**

FASTER DELIVERY

Count on JK replacement crystals: each crystal is tailored to the transceiver you own and exceeds FCC standards. Each crystal is triple-tested before prompt shipment from JK's huge stock, and 100% unconditionally guaranteed to you. JK GOLDEN LINE C/B CRYSTALS are priced competitively with makes of lesser quality, lower performance rating. See your JK dealer for the best-buy in crystals.

CTS KNIGHTS, INC.
Sandwich, Illinois

FOR MORE MAKES

"Your Friendly Supplier"



OFFERS

THE *hallicrafters*
CB-9 CB TRANSCEIVER



The CB-9 is a six channel CB Transceiver, ready to operate either base AC or mobile 12 VDC, with all power cords and mounting bracket. It uses a new all-electronic push-to-talk circuitry. Features the same "drop-down" chassis as the CB-3A. Has built-in "S" meter and Receiver Variable Tuning for all channel reception plus a spotting switch. Accommodates CB-3A accessories. CB Net \$129.95

**WE STOCK THE COMPLETE
HALLICRAFTERS LINE OF
EQUIPMENT AND ACCESSORIES**
Time Payment Plan Available

We stock Leading Brands of New CB Transceivers; plus complete stock of Fixed Station and Mobile antennas & accessories. Check with us for your CB & Electronic requirements.

DEALER INQUIRIES INVITED

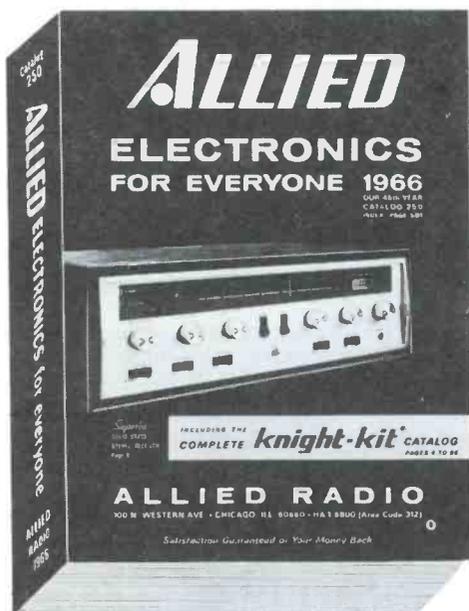
Evans RADIO

P.O. BOX 312

PHONE
603-225-3358

CONCORD, N. H.

save most on everything in **CB!**



FREE

send today for your

ALLIED
1966 CATALOG

508 VALUE-PACKED PAGES



see what's new...save most with
build-your-own **knight-kit® CB**



Safari-I Deluxe
23-Channel CB
Transceiver Kit.
\$129.95

C-540 Low-Cost
5-Watt CB
Transceiver Kit.
\$49.95



KG-4000A Deluxe
1-Watt All-Transistor
Walkie-Talkie Kit.
\$54.95

Big savings on other great Knight-Kits for every need: Stereo Hi-Fi, CB, Hobby, Ham, Test Instrument, Automotive, Intercom—all wonderfully easy to build—and you save.



more of everything in **CB!**

See what's NEW...see the money-saving BEST in CB in the 1966 Allied Catalog. Largest selection of mobile, fixed-station and walkie-talkie equipment; everything in CB antennas and accessories; exclusive CB products and values available only from Allied. For everything in CB, for *everything* in Electronics get the Allied 1966 Catalog!

send for catalog now **FREE**

ALLIED RADIO, Dept. 16-M
100 N. Western Ave., Chicago, Illinois 60680

Send FREE 1966 ALLIED Catalog.

Name _____
PLEASE PRINT

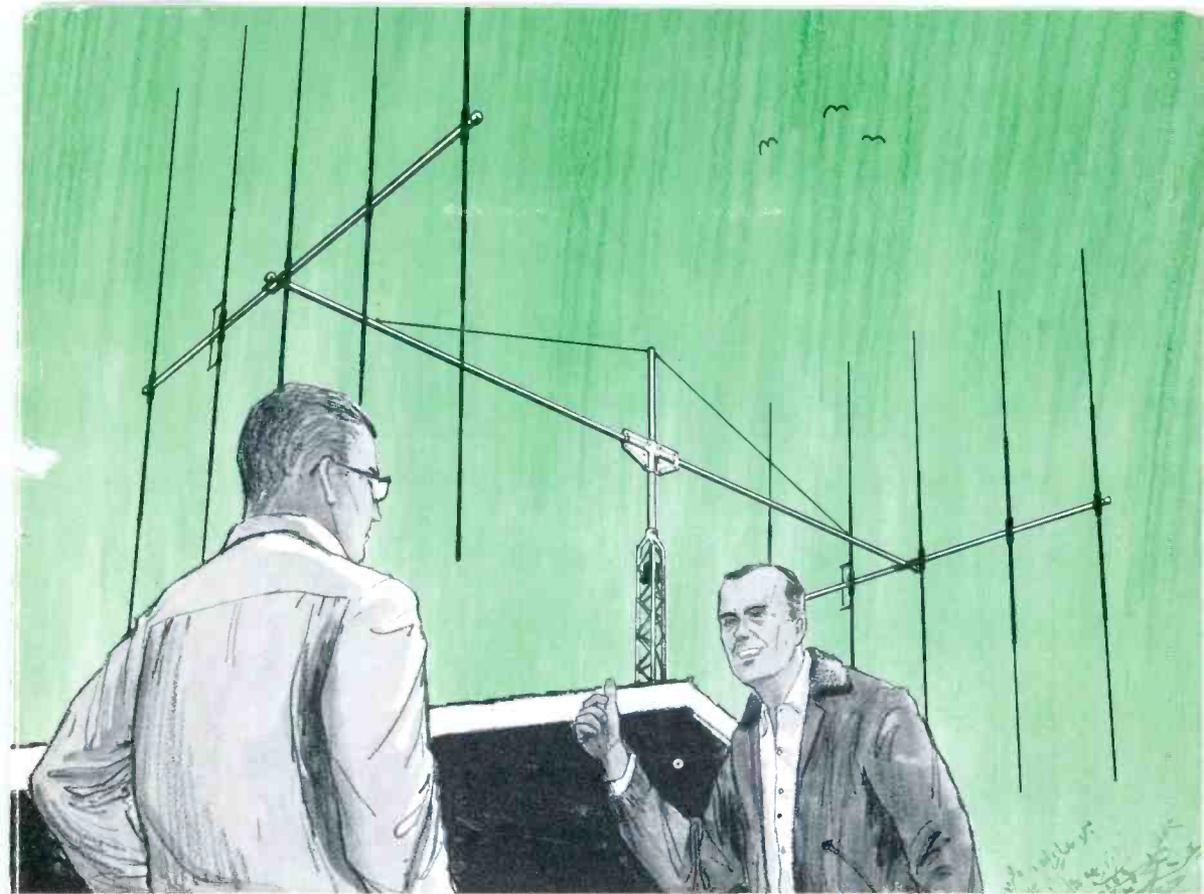
Address _____

City _____ State _____ Zip _____

EASY TERMS: use the convenient
Allied Credit Fund Plan.

satisfaction guaranteed or your money back

ALLIED RADIO
America's CB Center



**“Do you have any problems
with mast-lighting?”**

**“Not with my
Hy-Gain DUO-BEAM”**

For years, the biggest fault found with any beam antenna for Citizens Band has been energy robbing mast-lighting. Now, with new Duo-Beams from Hy-Gain, Mast-lighting is a thing of the past. Mast-lighting, you see, actually results from a conventional CB beam being installed so close to the supporting mast that energy radiated by the antenna is absorbed, distorted and re-radiated by the mast in crazy patterns that vastly reduce the efficiency of the antenna. How do Hy-Gain Duo-Beams overcome mast-lighting? With Duo-Beams, the cross boom supporting the antennas at either end removes the antennas far enough from the supporting mast to eliminate any possibility of energy reaching the mast. And, of course, with Duo-Beams you get a second bonus. You get a stacked array of two identical beams which, through proper phasing and spacing, multiply the amount of radiated power you'd get from a single beam. Multiplied power...no energy robbing mast-lighting...two big reasons Hy-Gain can unconditionally guarantee new Duo-Beams will deliver you more "Talk Power" than any other antennas built for Citizens Band. Three models to choose from:

- Duo-Beam 10 – Delivers 120 Watts “Talk Power” \$99.95 Net
- Duo-Beam 6 – Delivers 93 Watts “Talk Power” \$69.95 Net
- Duo-Beam 4 – Delivers 42 Watts “Talk Power” \$39.95 Net

Incidentally, all Duo-Beams are rotatable to give you pin-point accuracy in directing your signal over all 360 degrees of the compass.

Duo-Beams are available now from your Hy-Gain Distributor, or write...

HY-GAIN ELECTRONICS CORPORATION

8451 N.E. Highway 6—Lincoln, Nebraska 68501



Once again General has produced a new and original design to set the pace for the entire Citizens Radio Industry. The new 24 Channel Super MC-8 with Turretuner® is years ahead of the field. Its 30 watt construction, with 100% modulated double sideband transmitter and super sensitive dual conversion receiver are the result of many years of development and testing.

Move up to the professional level in CB radio. Try this outstanding unit at your General Dealer today or write General for complete technical manual and schematic.

General 24 Channel Super MC-8 \$199⁵⁰

Complete with microphone, 110 V AC cord, 1 transmit/receive crystal, Channel 11; and instruction manual



GENERAL RADIOTELEPHONE COMPANY

3501 West Burbank Boulevard, Burbank, California

Telephone: 849-6891, Area Code: 213

WIN

A 615-B
MULTIFUNCTION
BRIDGE



FREE IN GENERAL'S
MONTHLY DRAWING!

November Winner:

Fred H. Surbaugh, KCG2770, Chattanooga, Tenn.

Name _____ CB
Call _____ Ham
Address _____ Call
City _____ State _____
My CB Dealer is _____
Dealer's Address _____
City _____ State _____

My CB Club is _____
Club Address _____
City _____ State _____

Good for JANUARY drawing only (\$9).

Under present rules part 19.32 the FCC does not provide for more than 5 watt input in the Citizens Radio Service (26.965-27.225 MC Band).



14 Vanderventer Ave.
Port Washington, L. I., N. Y.

Controlled Circulation Postage Paid at New York, N. Y.

-535DEC 167 :

BROWDY-1103968
62 S STEARNS DR
ANGELES 34 CALIF