

**SPECIAL: 5 PAGE INTERNATIONAL CB CALLBOOK**

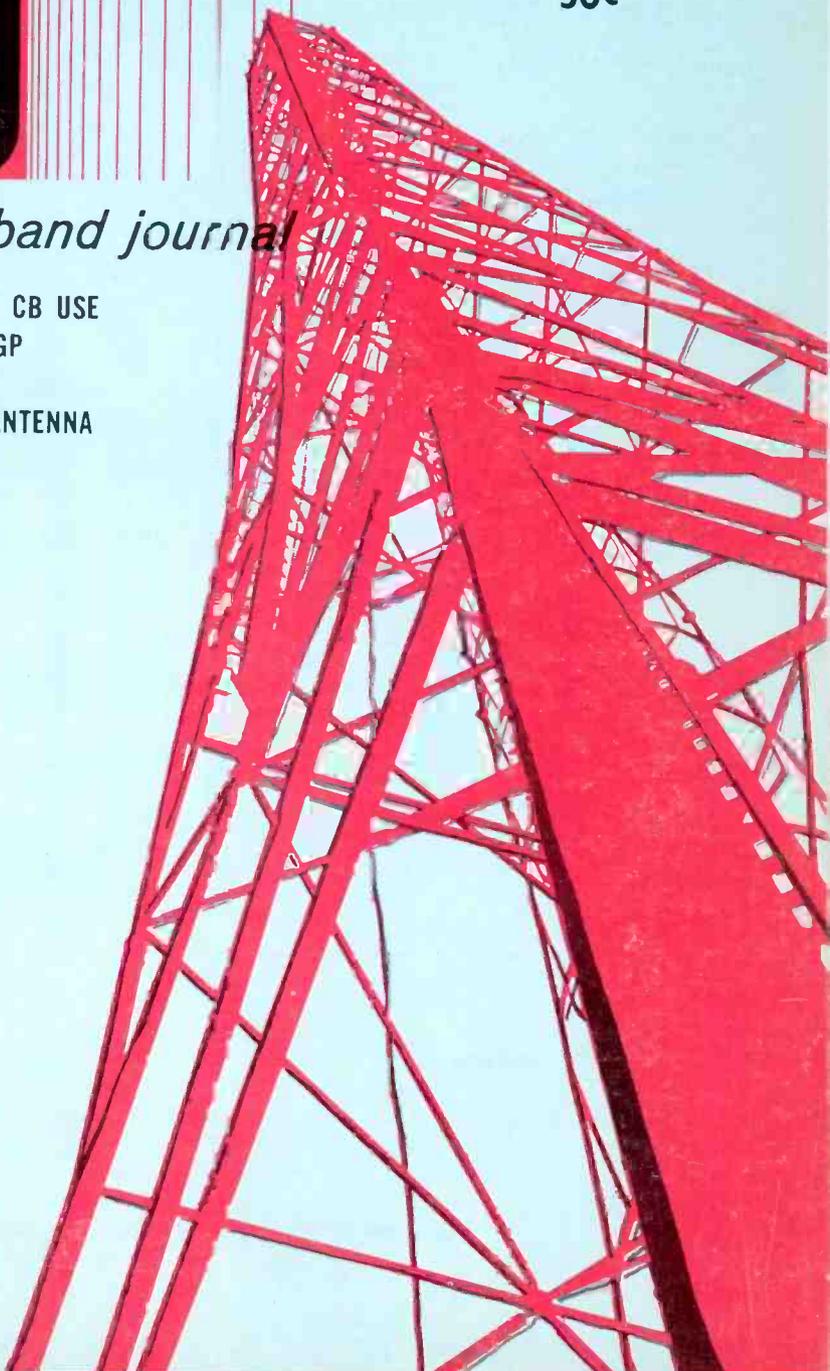
**S9**

AUGUST 1965

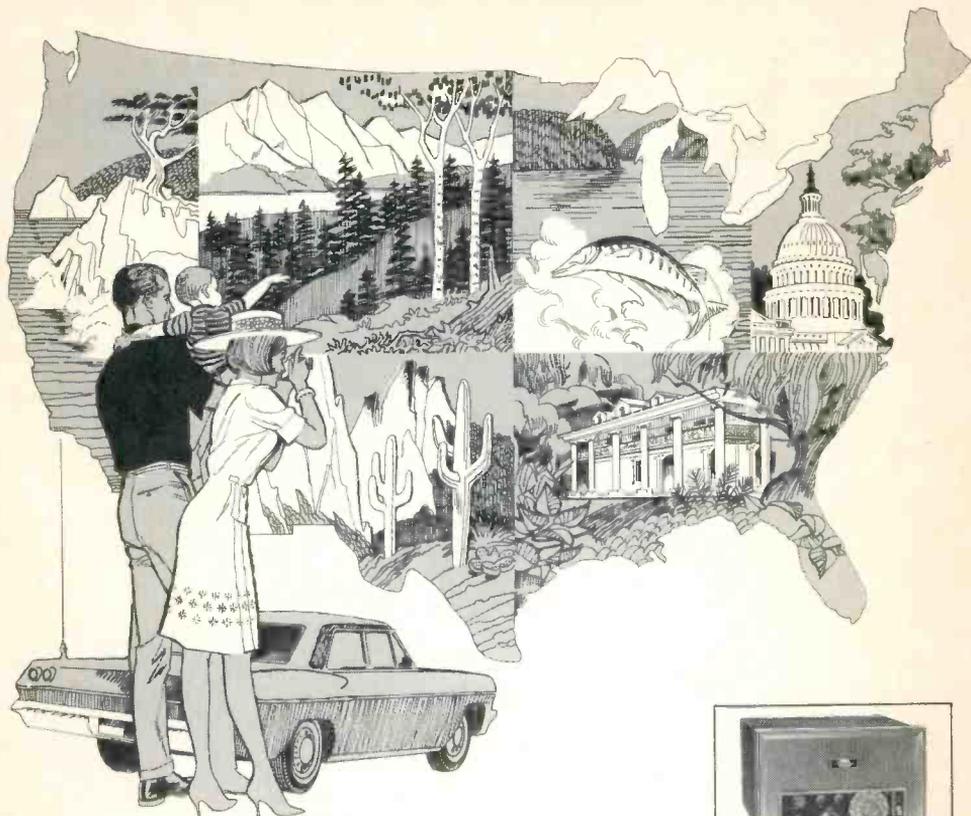
50c

*the citizens band journal*

CONGRESS DEBATES HOBBY CB USE  
BUILD THE GUTTER SNIPE GP  
7 DB OF AUDIO GAIN: 91¢  
A JIFFY VHF MONITORING ANTENNA  
CB HASSLE IN GERMANY  
MANY NEW CB JAMBOREES



**The OFFICIAL CB RADIO MAGAZINE**



# SEE THE U.S.A.



Traveling by car to the distant corners of this great country of ours is becoming easier and takes less time than ever before. This year see the U.S.A. Visit the great national parks, the towering and majestic Rocky Mountains, historic New England, the seashore or the broad expanse of the midwest. No matter where you travel, International Citizens Radio transceivers can provide rapid emergency communication. International transceivers are designed and engineered to give reliable mobile service day in and day out under all kinds of conditions. The 1965 International transceivers have hybrid circuits which combine transistors and tubes for greater dependability. There is even one model which has built-in test circuits. You will have more fun traveling and a feeling of security with an International transceiver installed in your car for mobile communication. Write today for our catalog of Citizens Radio transceivers and accessories. Then see your nearest International dealer. He will assist you in selecting the best transceiver for your particular requirements.



**MODEL 440**  
Citizens Radio Transceiver



**MODEL 660**  
Citizens Radio Transceiver



**MODEL 880**  
Citizens Radio Transceiver

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

**INTERNATIONAL  
CRYSTAL MFG. CO. INC.**

18 NORTH LEE — OKLA. CITY, OKLA.

# 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. H-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 citizens band journal* 14 Vanderventer Ave., Port Washington, N. Y.

**FEATURES**

New Petition to FCC Also other news.	Tom Kneitel, KBG4303	7
Congressman Bow says "Hands off CB, FCC!" And he means it.		9
The Gutter Snipe GP Interesting experimental antenna.	Peter Pattieson, KBG8911	12
CB Furor In Germany Yank troops fight to get CB rights.		15
7 DB Gain For 91¢ Mike Booster Add speech clipping and amplification.	Dick Turpin, KCF2700	16
The Mod-U-Mon Quick way to check on overmodulation.	Paul Meyerhofer, KHH4055	20
The Pee-Wee Gee-Pee Jiffy VHF emergency service antenna.	Robert McAire, KIC7608	22

**SPECIAL SECTION**

The S9 International CB Callbook		25
S9 Lab Report on New Hallicrafters CB Rig It's little, it's lovely, it works real neat!		39
S9 Tests The Knight Kit C-560 Rig Another nice addition to their expanding line.		40
CB Jamboree Calendar Many new ones this month.		57

**DEPARTMENTS**

Reader Mail	4
Editorial/Tom Kneitel	7
Kyle's Korner/Jim Kyle, KEG3382	31
SWL Shack/Rick Slattery	34
Antennas/Len Buckwalter, KBA4480	37
On The Counters	38
Lab Reports	39
CB Chit Chat/John Krejc, KBI8077	45
Card Swappers Unlimited	61
Washington Outlook	68

**EDITORIAL STAFF**

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

**BUSINESS STAFF**

<i>adv. representative</i>	<b>Dick Cowan</b>
<i>adv. representative</i>	<b>Jack Schneider, 2W5669</b>
<i>circul. mgr.</i>	<b>Hal Weisner, KBG4528</b>
<i>publ. consultant</i>	<b>David Saltman</b>

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.



## The Raven is coming.

The world's newest, most advanced CB mobile rig will be ready for you in August. It's the Raven by Browning. Don't buy any CB equipment until you see the Raven. (Unless it's an Eagle base station, of course.)



**browning**  
LABORATORIES, INC.

Dept. S8  
Laconia, New Hampshire

# READER MAIL

## ACDA #9987, WHO DAT?

Dear TK,

After reading the article "CB INS AND OUTS" in your June issue, I find that the only thing that really *INTERests* me is finding *OUT* the identity of ACDA member number 9987.

Bernie Sussman, Gen'l. Manager  
United Scientific Laboratories  
Farmingdale, N. Y.

Dear Tom,

As ACDA member 9987, I was happy to note that I was *IN* until I came to the end of the article when I discovered that, after all, I was *OUT*.

By writing this letter I hope to become *OUT* with you Tom, so that I may, again, be *IN*; but fear that if I become *IN* with you I may become even further *OUT*.

*IN* or *OUT*, I think that you fellows are putting out a first rate top quality magazine. Keep up the good work.

James B. Kane  
Mahanoy City, Pa.

Gentlemen,

You mention that ACDA member 9987 is *IN*. That's my membership number according to my certificate. What am I *IN* for?

Robert Breitenbecker  
Palatka, Fla.

Dear Tom,

I was very surprised to see my ACDA membership number, 9987, mentioned in your June issue.

Joe Drexler, KBG8853  
Belleville, N. J.

Hey S9—

I'm ACDA member number 9987! Glad to see I'm *IN*.

Dave Melochick, KLQ2555  
Wilkes-Barre, Pa.

Hi Tom,

What's with ACDA member 9987 being *IN*? Are we all *IN*, so to speak (same number)?

Frances Y. Tatom, KLA0719  
San Jose, Calif.

Yes, all ACDA members with the number 9987 are *IN*!

## SWAPPERS

Tom,

I had my name in your March swappers section and the results are really amazing. I doubt if even *you* know the fantastic circulation and pulling power of S9 Magazine.

KKR6108  
Jackson, Miss.

Dear CB Friends,

Every day since my name appeared in S9 (last March) I receive about 100 cards from American and Canadian CB'ers. I am always glad to receive cards and letters and I hope that you will inform your friends that I answer all cards and letters with my own card or letter. However, please understand that I have to spend much money for mailing all answers. Therefore I hope that everyone who contacts me can furnish an International Reply Coupon to make it possible for me to reply.

Talking about International Reply Coupons, there are many post offices in the U.S.A. which are issuing International Reply Coupons without placing a validating stamp in the white circle on the *left* side of the coupon. If it is not stamped there then the coupon is not acceptable for conversion into local stamps here in Finland. Neither can I use U.S. stamps on letters sent from Finland.

I look forward to hearing from your readers and am happy to receive letters in any of the following languages: Swedish, Finnish, German, Spanish, Danish, Norwegian or English.

By the way, for the time being I can send only one QSL to a customer. When my new cards are printed and I have an ample supply again I'll be able to fill requests for extra cards for you to give to your CB friends.

Torsten Soderstrom, OH2-722  
Kungsgatan 11  
Ekenas, Finland

*(The above letter was passed along by Sylvia and Jerry Cote, KKA0658.)*

## MORE FROM OVERSEAS

Dear Tommy,

Many thanks to all of the CB'ers who sent their QSL cards to me over here in Vietnam. I answer all cards I receive. For the interest of the card senders, I'm due to leave Vietnam on October 1, 1965, so keep the cards coming until then and I'll take care of all requests. I'm enclosing my check for a three year subscription to the best magazine of any kind sold today.

Sgt. James E. Carey, Jr., KHD5777  
Military Assistance Command  
Vietnam

Advisory Team #99 (DUC HOA)  
A.P.O. San Francisco 96314

*Let's all send a QSL to Jim. All of you ex-dog-faces know how much a card or letter means when you're a long way from home.*

Hi again from S9's Foreign Agent,

When you ran my letter in a recent issue of S9 I began receiving tons of mail (which I certainly appreciate). Did you ever think that CB'ing could be ALMOST as much fun with a typewriter as a radio? I wish to give sincere thanks to KKB0477, KBH1009, KKA6677, KEB0331, KMA-0698, and especially "Bernie" at KLK5407, for their QSL's and wonderful words.

Hopes have risen among the down-hearted CB

*Continued on page 69*



Use it... mobile... base... or portable!



## MESSENGER III

Fairbanks



Cape Horn

### Cape Horn to Fairbanks, Alaska

"Messenger III" goes all the way on Mercury Comet 16,200 mile durability run! Comet drivers report: Over 40 continuous days and nights, through rain, fog, sleet and snow . . . on washboard roads, some scarcely more than a trail . . . in tropic heat and frigid Arctic weather—the "Messenger III" never let them down!

## For unmatched quality and dependability — GO JOHNSON!

The most popular CB transceiver in the world—the "Messenger III" offers everything you ever wanted in a CB transceiver . . . compact size, a husky signal, extreme sensitivity, razor-sharp selectivity—and complete flexibility for base station, mobile, public address, or battery powered portable use! Double conversion receiver—set-and-forget "Volume" and "Squelch" controls—11 channel coverage—"Tone Alert" Selective Calling System available as accessory.



**E. F. JOHNSON COMPANY**

7026 10th Ave. S.W. • Waseca, Minnesota 56093

WRITE TODAY for full color brochure, or see your Dealer/Distributor and ask for a demonstration!



**MESSENGER TWO**  
Ten channels and tune-able receiver. Excellent receiver sensitivity and selectivity. Plenty of features. Delivers a penetrating signal with solid punch!



**PERSONAL MESSENGERS**  
100 Milliwatt and 1½ Watt hand-held units: Twice the sensitivity and 40% more range than similar units with conventional circuitry!



**MESSENGER**  
To date—one of the biggest sellers in the Citizens Band field! 5 channels—long on performance, short on cost.

# NOW.. Courier 23

WITH

# RANGE BOOST



## 23 CHANNELS

## 24 ~~23~~ FEATURES

**DUAL CONVERSION • TRANSISTOR POWER SUPPLY**

*Still* \$**189**<sup>50</sup>  
slightly higher west of Rockies

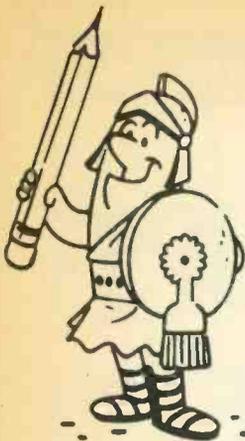
including all crystals, mounting brackets, power cords and noise-cancelling microphone

Send for details . . .

Name .....  
Address .....  
City ..... State .....

 **EGC. electronics communications, inc.**  
dept. 58, 56 hamilton ave., white plains, n. y.

World famous manufacturers of quality CB & BB equipment including Courier 1M, Courier 12, Courier 23, Courier 30B, Courier 50 FM, Port-A-Lab, Transistorized Power Supply, Linear Amplifier.



editorial

# KBG4303 rides again!

by TOM KNEITEL  
EDITOR, S9

## FCC PETITION

Hallicrafters has petitioned the FCC for a change in the CB rules which would require that all new CB transmitters be type accepted after January 1, 1966. Non-type accepted equipment (of any vintage) would be outlawed after 1969, according to the Hallicrafters plan. In addition, the Hallicrafters petition recommends that if any type accepted transmitter is "operated in conjunction with non-type accepted accessory devices" (other than antennas or transmission lines), then the type acceptance for the unit is voided.

What this means is that, if the petition is adopted, you can use your present CB gear as a boat anchor *in less than 5 years* unless the manufacturer is able to get the rig passed rigid FCC type-acceptance requirements. Even if he can get the rig accepted, your use of a non-type accepted microphone, tube, crystal, TVI filter, speech clipper or compressor, SWR bridge, or even connector would outlaw your installation. Presumably the replacement of a damaged coil in the transmitter could violate such a regulation!

Manufacturers of new equipment would have to design a prototype unit, test it to FCC rituals, submitting test results and schematics to the FCC. If the Commission doesn't like something in the design, then back goes the rig to the engineering department for further design work, then more testing — possibly some additional re-design work. Result? This is a most definite discouragement to the development of new design and techniques in CB equipment because a manufacturer will tend to sit back and rest on his oars by selling a piece of type-accepted gear for years to save himself the bother and expense of again going through the whole rigamarole with the FCC's engineering department. Oh, speaking of expense — designing, re-designing, and re-re-designing equipment costs like money and who do you think will finance this engineering re-engineering and re-re-engineer-

ing? We will, friend, you and I, the buying public because the manufacturer will have no choice but to hike up the retail price of his product to meet the increased production costs. Don't forget, design engineers are among the highest paid employees at any manufacturing operation.

Type acceptance of equipment is already in effect in a number of radio services, however these services are generally ones in which the radio equipment is intended as a safety device. Ever check the prices of commercial two-way radio equipment?

Here's an example. Hallicrafters markets their CB-3A eight channel CB rig for \$159.95. Their *single channel* commercial transceiver, the BT-20 sells for \$360.00. This is a unit with 20 watts output, FM, and it operates on VHF. Both units are constructed from roughly the same number of similar tubes, resistors, capacitors, coils, transformers, etc. The type accepted one costs \$200 more.

The Hallicrafters petition *does* have a noble intention. The petition states that CB equipment type acceptance will end such things as people running over-power, operating with over-modulation, causing TVI, or operate outside of authorized frequency tolerances.

The avoidance of such evils would certainly make life easier for all of us, but the CB rules already are *quite specific* on the permissible amount of power, modulation, spurious radiation, and frequency tolerance. Those CB'ers who are predisposed to operation beyond these limits will not be stopped by type acceptance of equipment if the *existing* rules make no difference to them. Linears can be constructed easily, and for only a few dollars. Modulation can be made to splatter all over the band with very little difficulty.

Yes, the need to eliminate these communications wrongs is most definitely there. This need also exists in the Amateur service where, for

*Continued on page 69*

Live Better Electronically With

# LAFAYETTE RADIO ELECTRONICS



A 169<sup>50</sup>

B 139<sup>50</sup>

D 99<sup>95</sup>  
2 for 194.95

C 59<sup>95</sup>

E 109<sup>50</sup>

## ON TARGET IN EVERY PRICE RANGE

### A LAFAYETTE DELUXE 23-CHANNEL CB TRANSCEIVER Model HB-400

Our finest dual conversion unit with 17-tube performance from 13 tubes, 8 diodes. Eleven crystal frequency synthesized circuit provides 23-crystal controlled transmit and receive channels — no extra crystals to buy! With advanced Range-Boost. Built-in 117V AC and 12V mobile power supply. 99-3001WX ..... 169.50

### B DELUXE SOLID-STATE 5-WATT DUAL CONVERSION TRANSCEIVER Model HB-500

Compact, extremely quiet . . . the perfect set for mobile! Only 3" high. 12-crystal transceiver positions and 23-channel receive with spotting switch and mechanical filter for razor sharp selectivity. Dual conversion receiver has 5/10  $\mu$ V sensitivity. Illuminated "S" meter, variable squelch and big 5x3" front mounted speaker. Uses  $\pm$ .003% crystals. Includes crystals for channel 12. 99-3027WX ..... 139.50

### C PUSH-TO-TALK CITIZENS BAND TRANSCEIVER Model HB-115A

Full five watt input at a sensational Lafayette low price! 8 crystal-controlled transmit positions. Tunable superheterodyne receive of all 23. With push-to-talk ceramic microphone. 42-0101WX ..... 59.95

### D POWERFUL 2-WATT 2-CHANNEL CB WALKIE-TALKIE Model HA-300

Superior performance from a hand set. Range up to 10 miles. With variable squelch, self-contained rechargeable batteries, charger, earphone, leather carrying case and crystals for channel 10 and 15. 99-3006L ..... Singly 99.95

### E DUAL CONVERSION 9-TUBE CB TRANSCEIVER Model HB-200

Loaded with desirable features. 8 crystal receive positions, 8 crystal transmit positions and 23-channel tunable receive. 1  $\mu$ V sensitivity. Built-in transistorized power supply. 42-0118WX ..... 109.50

## FREE!

Mail Coupon For Our Latest 1965 Catalog Featuring Everything In C.B.

Lafayette Radio Electronics  
Dept. S9H5, P. O. Box 10  
Syosset, L. I., N. Y. 11791

Send me the FREE 1965 Lafayette Catalog  
 \$ enclosed; send me # (Prices do not include shipping charges).

Name .....

Address .....

City .....

State .....

Zip .....

# DEAR FCC—

# HANDS OFF

# CB!

SAYS CONGRESSMAN FRANK T. BOW (R-OHIO)

Several thousand citizens of my congressional district and perhaps as many as 2½ million throughout the Nation use the facilities of the Citizens Radio Service for communication over short distances with families and friends. A recent ruling of the Federal Communications Commission severely restricts their use and enjoyment of this service, many think unjustly, and I am introducing today legislation calling for an investigation and review with the goal

of establishing a means whereby these families may continue without undue restraint to operate their citizens band radio stations.

The FCC created the class D citizens radio service, popularly known as CB, in 1958 and assigned 23 channels of the 11-meter short-wave band, also called the 27 megacycle band, to this new service.

The typical Citizens Band equipment is a transceiver which almost anyone can learn to

1 part 95 of the Federal Communications Commission rule  
2 which became effective April 29, 1960, shall be held in  
3 abeyance pending the outcome of this review.

## H. RES. 377

IN THE HOUSE OF REPRESENTATIVES  
MAY 11, 1960

Mr. Bow submitted the following resolution which was referred to the  
Committee on Rules

### RESOLUTION

Whereas the order of the Federal Communications Commission referred to as amendments to part 95 of the Federal Communications Commission rule which became effective April 29, 1960, prohibits the hobby use of stations in the citizens radio service and severely restricts interstate communication; and

Whereas said restrictions are an effort to accommodate a growing demand for other use of the citizens radio service; and

Whereas many of the eight hundred thousand one hundred and fifty-five licensees in the citizens radio service have invested large sums of money in equipment and have in fact created a nationwide hobby use within the citizens radio service; and

Whereas the willingness of the Federal Communications Commission to license applicants without adequate explanation

of the prohibition on hobby use and without adequate investigation of the purposes for which licenses were sought constituted encouragement of the development in good faith of hobby-use stations; and

Whereas it is in the public interest to permit expansion of the citizens radio service for all purposes, to enlarge the number of frequencies available for interstate communication, to relax the restrictions on secondary uses of the service, and to provide frequencies for hobby use in addition to the amateur radio service; Now, therefore, be it

- 1 Resolved, That the House Committee on Interstate and Foreign Commerce shall make a thorough review of the
- 2 Federal Communications order cited above and of the existing distribution of radio frequencies with a view to enlarging the number of frequencies available for the citizens radio service and the establishment of a hobby-use division within
- 3 or in addition to the citizens radio service.
- 4 Sec. 2. Such review shall include but is not limited to
- 5 consideration of the assignment of the twenty-eight megacycle (ten meter) band, use of limited value to the amateur
- 6 radio service, in the citizens radio service or a new hobby
- 7 service, and the assignment for those purposes of suitable
- 8 frequencies now assigned to but not regularly required by the
- 9 Department of Defense and other agencies.
- 10 Sec. 3. It is the sense of Congress that the enforcement
- 11 of the Federal Communications Commission order amending

**DEAR FCC—**

**HANDS OFF**

**CB!**

operate quickly and easily. The typical Citizens Band licensee might be a farmer who would install a transceiver in his home, another in the barn, a third in his truck or automobile so that he might be in touch with his family and they with him on matters of business arising during the day.

The service proved immensely popular. There are now 800,155 licensees and we may assume that an average of three persons operate the equipment of each licensed station.

The original rules of the FCC were vague and general in terms, but for the past 2 years the Commission has been engaged in a major revision, adopted July 22, 1964, effective April 26 of this year, which put greater restrictions on the use of Citizens Radio Service. Some of them are:

First. The prohibition of hobby-type operation.

Second. Limiting interstation communication—calls between units of different class D stations—to 7 channels where previously all 23 channels had been available for this use.

Third. All interstation communications are restricted to not more than 5 minutes transmission with a 5-minute period of silence before another transmission is permitted.

The sale of Citizens Band equipment has grown far beyond expectations, becoming an industry with gross sales of between \$50 and \$75 million annually. A great many of the 800,155 licensees who have invested large sums of money in this equipment have, in fact, created a nationwide hobby-type operation. Thousands of persons will be owners of expensive equipment for which they have no use if the new FCC order is enforced.

The FCC contends that the prohibition of hobby-type operation is not a fundamental change but only serves to clarify an FCC intent that was expressed some years ago. However, thousands of citizens who have become

CB users were not aware of this. The FCC quite obviously never made it clear. The willingness of the Commission to license applicants without adequate explanation of the prohibition on hobby-type operations and without adequate investigation of the purposes for which the licenses were sought constituted, in my opinion, encouragement of the development in good faith of hobby-type stations. Ineffective enforcement and ambiguity helped to create a \$50 million industry of questionable legality.

The FCC has advised the owners of Citizen Band equipment to switch over to the Amateur Radio Service. The Commission fails to give sufficient consideration to the facts that such a conversion would require several hundred dollars worth of additional equipment as well as study and training to qualify for the Amateur license.

The popularity of the Citizens Radio Service is based on the relatively low-cost equipment, its simple licensing and operating requirements, communication values, and the need for little technical training.

It seems to me that justice requires us to find a means of continuing to permit hobby-type operations in the CB. We should be able to accommodate both those who use CB as a necessary element in their work and those who have developed the hobby-type operation. Ideally, this means assigning additional frequencies to the hobbyist. All of us recognize that the airwaves are crowded, but I am certain there is room somewhere.

My resolution asks the House Committee on Interstate and Foreign Commerce to review this entire problem with a view to enlarging the number of frequencies available for CB.

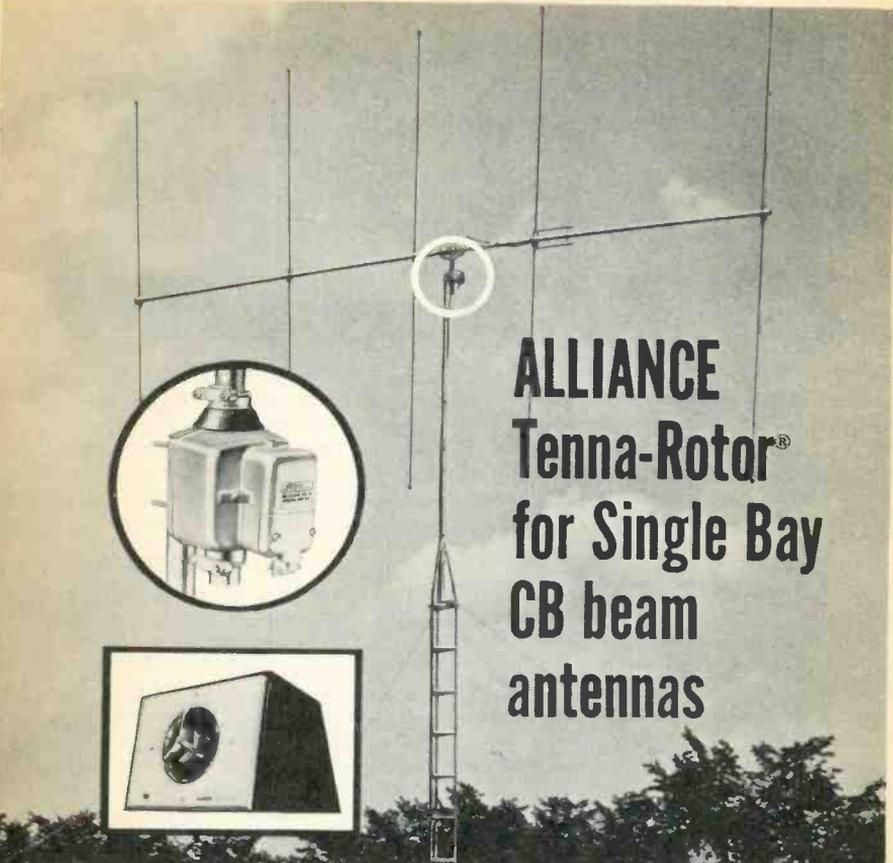
It suggests that there may be room in the 10-meter or 28-megacycle band for a CB hobby operation. I am informed that 10 meters is not particularly useful to the amateur radio service to which it is now assigned, because sunspots sharply limit long-distance transmission in this band in 10 years out of 11. Inasmuch as CB stations are interested solely in short-distance transmission, and are limited to 150 miles, this would be ideal for them.

Also, I am told there is reason to doubt the extent to which the Department of Defense requires or uses the great many frequencies to which it lays claim.

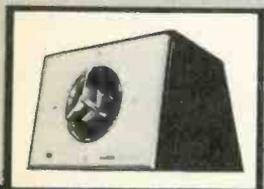
Admittedly, it is a difficult problem, but I hope that the Committee on Interstate and Foreign Commerce will undertake the work outlined in my resolution.

The resolution further provides that the FCC order will be held in abeyance pending outcome of the study.

**S9**



# ALLIANCE Tenna-Rotor<sup>®</sup> for Single Bay CB beam antennas



Tenna-Rotor stands up under severe conditions. Tests prove it is the strongest, most durable antenna rotator available for Citizens Band use on all single bay vertically polarized antennas up to six elements.

This latest Alliance Tenna-Rotor will turn heavy antennas and is designed to withstand wind velocities to 90 m.p.h. in accordance with E.I.A. wind loading standards. The patented rigid offset design distributes the load resulting in superior strength to weight ratio for greater ease of installation.

Features anti-windmilling, gearing and brake system to maintain positive positioning and eliminate overtravel. Unit, enclosed in a sturdy, ribbed die-cast zinc housing, is lightweight and simple to set up. If you can lift your antenna and put it on the Tenna-Rotor . . . it will support it, hold it and turn it.

- New Precision Machined Steel Drive Gear
- Greatest Positioning Accuracy Possible

The new Alliance transistorized automatic C-225 features a patented phase-sensing bridge similar to laboratory test equipment and is now available exclusively from Alliance for CB users. Affords automatic, stepless, synchronous pinpoint positioning accuracy throughout 360° of rotation that reduces or eliminates interference.

All this with noiseless control.



The **ALLIANCE** Manufacturing Company, Inc.  
(Subsidiary of Consolidated Electronics Industries Incorporated) Alliance, Ohio

CSA approved



## SNIPE OFF THOSE CONTACTS WITH THIS ONE

by PETER PATTIESON, KBG8911



# THE GUTTER SNIPE

Here's one for the true experimenter, it's a ground plane which uses the rain gutter on your house as the "ground" portion of the antenna. If you live in an apartment house which doesn't give you a rain gutter, try this with a fire escape, terrace, or other handy large metal structure as the ground portion.

### FIRST OFF

Well, first off, we are going to tell you that we are going to shake you up a bit with the length of the radiating element because it's somewhat different than the size to which you have become accustomed. Remember the good old fashioned 108" whip? This time you're going to try a 129" radiator for size, and you're going to tune it to resonance with a capacitor! Why? Peaking the antenna in this manner gives you a better match for your coaxial feeder, which, in turn, will give you a somewhat more efficient antenna than a plain, unadorned, 108" whip jammed onto the roof. This is especially true since the rain gutter, fire

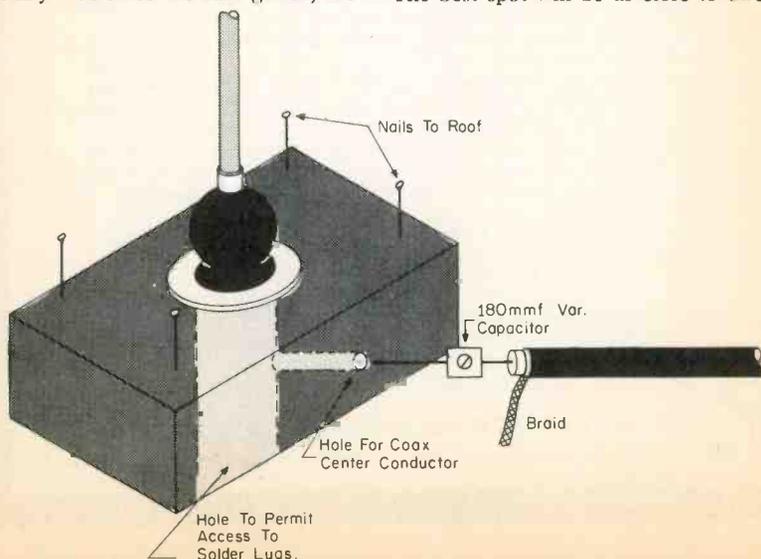
escape, or whatever, will not come shining through with the 11 meter resonance of a measured out ground plane radial.

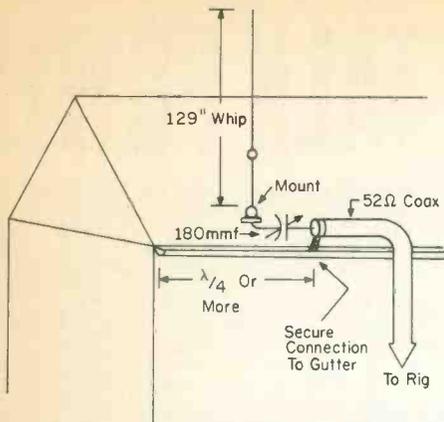
Since 129" whips are sort of hard to come by, we used a 103" whip (Master Mobile #100-103S) in combination with a 26" extension (Master Mobile #90).

### CONSTRUCTION

Construction is what we call "zilch," or just about nothing. An inexpensive mobile "ball" mount (Lafayette 99G3030) was obtained and mounted on a wooden block which was drilled through the center to permit access to the soldering lugs of the mount. Another hole was drilled horizontally in the block to permit getting the coax to the solder lugs while the block of wood is flush against the roof. Details of all of this are shown in the illustration.

Before you do any attaching of mounts and soldering of coaxes it will be best for you to select a spot on your roof for this antenna. The best spot will be as close to directly above





## PARTS LIST

- 1 129" whip
- 1 Mobile ball mount
- 1 180 uuf variable capacitor
- 1 block of wood
- 4 nails

your shack as possible while still allowing at least a quarter wave (about 8 feet) or more of rain gutter on each side of the mounting location.

Now comes the fun. The capacitor which will load the antenna is a 180 uuf variable (Lafayette 34G6831) and this will be in series with the center conductor of the coax. Since it will have to be tuned while the antenna is mounted it must be located *outside* of the wooden mounting block. This means that the coax itself will have to be stripped back so that the center conductor will be long enough to pass through the block of wood to the solder lug on the mount. The braid will have to be long enough to reach the rain gutter (the braid, of course, will not go into the block of wood).

When you have your spot on the roof chosen, connect up the mount on the drilled block of wood and then strip the coax, attach the capacitor, and mount the block of wood to the roof with several nails. The whip antenna should then be inserted in the mount and the mount adjusted so that the whip is in a vertical position.

The coax braid should then be run to the nearest point on the rain gutter for attaching.

Sandpaper or file the gutter at this spot to insure a clean contact. Attach the braid to the gutter with solder or self tapping screws.

A few #5 insulated copper staples (Eagle 273, or equivalent, available at most hardware stores) should be located on the coax near its roof end to provide strain relief. In fact, they can be used every few feet all the way down to the rig to stop the coax from waving around in the breeze.

## TUNING

With the antenna mounted, the next step is to tune it up. This is done by inserting a Standing Wave Ratio bridge (meter) at the back of the transceiver and then tuning the

variable capacitor at the base of the antenna from minimum to maximum until the lowest SWR reading is obtained on the meter. Let's face it, somebody is going to have to help you in doing this unless you can devise a way to be able to press the mike button and read the SWR meter while on the roof tuning the capacitor. When you find the proper adjustment of the capacitor, dab some nail polish or *Duco* cement on the screw to prevent it's being jarred out of adjustment. A small plastic box can then be placed over the capacitor to protect it from weather. The box can be wrapped in several layers of *Scotch* electrical tape for maximum weatherproofing.

## HINTS

If it is possible for you to attach a 5 foot copper ground rod to the rain gutter downspout (before you tune up) you will probably get better results, although this is not a *necessary* step in the construction of the antenna.

When you tune the antenna, set your transceiver either on Channel 9 or on your most used channel.

I think that you will be pleasantly surprised at the results.



## DON'T LOSE YOUR C.B. LICENSE!

At last, a way to protect this valuable document. How? With a Barbett wallet size reproduction, using our Photo Ply process.

**YOUR CHOICE OF:** Wallet size reproduction of your license . . . \$1.00 complete—OR—Wallet size reproduction of your license with miniature QSL or Club Emblem on back . . . \$2.00 complete.

All licenses processed the day received and returned by 1st. class mail.

Rush your license and QSL or Club Emblem with check or money order to:

**BARBETT REPRODUCTIONS**  
P.O. BOX 1979 / HARTFORD, CONN.

# EXTEND YOUR "TALK POWER"

with the world's most powerful  
base station antenna

all-directional, non-rotating  
for Citizens Band

Hy-gain's

## CLR2

**With a Hy-Gain CLR2, your 5-watt  
transceiver delivers power in all directions  
equivalent to what you'd get with a  
12.55 watt rig...that's "TALK POWER"!**



For maximum range and greatest reliability in your communications, Hy-Gain's CLR2 is the one all-directional, non-rotating antenna that is built to do the job. It is loaded with electrical and mechanical features that clearly put it in a class all of its own. Take for example the electrically extended  $5/8$  wavelength vertical radiator. Here we're talking basics but they're vitally important basics. In test after test conducted by every authoritative source in the electronics field, a  $5/8$  wavelength radiator has conclusively proven to deliver a stronger signal over a greater area than either a  $1/4$  wavelength or  $1/2$  wavelength radiator. The chart graphically shows how power wasted in the atmosphere by  $1/4$  wavelength and  $1/2$  wavelength radiators is concentrated into a lower, more extended

arc close to the horizon by a  $5/8$  wavelength radiator thus providing a stronger signal over a greater area.



What else does the CLR2 have that makes it deliver maximum "Talk Power"? It has the original static-removing "Top Hat" that drastically cuts receiver noise... a moistureproof matcher that insures total electrical reliability... a unique electrical system that puts the entire antenna at DC ground for maximum static removal and lightning protection... rugged, heavy duty, all-weather construction rated to withstand winds up to 100 mph. For maximum "Talk Power" — greatest readability — you'll want a CLR2... a bargain in power at \$29.95 Net.

Available from your Hy-Gain Dealer or Distributor

**HY-GAIN ELECTRONICS CORPORATION**  
9458 N.E. Highway 6 — Lincoln, Nebraska 68501

# CB FUROR IN GERMANY

## YANK SERVICEMEN SEEK TO LEGALIZE CB IN GERMANY

S9 reader Robert M. Anderson, W5MEC/DL4ME, of the 42nd U.S. Army Artillery Detachment in West Germany sent us some interesting data on how CB is faring with our forces in that country. It seems that quite a hassle is developing over the (presently) unauthorized use of CB rigs by our troops.

Exhibit "A" sent to us by Bob is an article in *Stars and Stripes*, the official Army newspaper. The article, entitled "Search Is 'On The Air' for CB Radio Operators," is the story of CB'ers, Sp5 James R. Jessup, KL11457, a tank gunner of Company B, 2nd Battalion, 32nd Armored Division; CWO James Shaw, KDD-2765, S4 Officer of the 2nd Battalion; and CWO Robert Shaw, KKM0697. These men, who were stateside CB'ers before being shipped overseas, want to get the Army to find a way

Amateur stations overseas. Reed did, however, point out that while no CB operation is possible under current regulations, if a sufficient interest is indicated, a study of steps leading to such use would be made.

Meanwhile there are many American CB'ers in Germany who don't seem to be willing to wait for the normally slow wheels to turn which might bring about formal recognition of CB. The 11 meter band is busy with calls of "This is K---- requesting a radio check of all CB'ers in the European area!" indicating the age old desire to communicate. This practice has, however, aroused the ire of many of the Yank Ham operators and some of the military officials who feel that this disregard of U.S. and foreign regulations should be stopped, at least until official authorization is obtained.



'ON THE AIR'—At left, Sp5 James R. Jessup, tank gunner of Co B, 2nd Bn, 32nd Armor, tunes in his citizens band radio in his car. At right, CWO James Shaw, S4 officer of the 2nd Bn. The two enthusiasts are looking for more members and hope to establish a network in Europe. *Stars and Stripes* photos.

to permit them to legally operate in Germany. Bob Shaw and Jim Jessup say, "We are in hopes that CB'ers who hold a valid license from the FCC will open up their stations, and that a network here in Europe can be formed."

On the other side of the fence, Major Edwin Reed, Jr., a USAREUR spokesman, and Chief of their Amateur Radio Bureau, states that no frequencies have been allocated for CB use outside of the United States, although the Army will permit their personnel to operate

For those of you who think you might know some of the CB'ers mentioned in this story, here's further information. Bob Shaw is a member of the Coastal Empire CB Association and has been a CB'er for four years. He hails from Ludowici, Ga. Jessup belongs to the New England Council of CB'ers, has been a CB'er for a year, and calls Wichita, Kansas, his home town.

S9

## SOUP UP YOUR AUDIO

## AND ADD SPEECH CLIPPING

## FOR LESS THAN A BUCK

by **DICK TURPIN, KCF2700**

The major squawk about low cost CB transceivers (and even a few of the medium priced ones) seems to be either poor receiver selectivity or not enough "talk power."

"Talk power" means that the audio isn't loud enough or clear enough. Most of the newer sets around have compensated for these failings by adding a bit of extra microphone amplification or speech clipping—some have even incorporated both of these features. Here's a way you can have both in a few minutes and for less than a dollar. You'll find about 7 DB of audio gain added to your signal, plus about 8 DB of speech clipping—just the thing for chopping through that noisy channel.

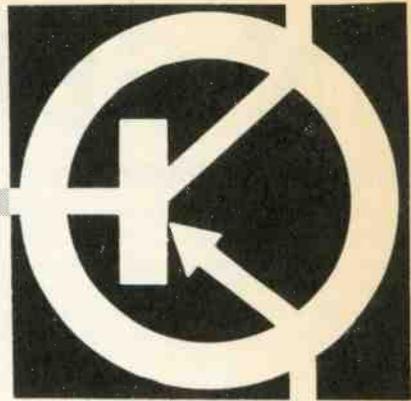
### WHAT TO DO

First, unplug the rig from the wall, remove the unit from its cabinet. Your job will be to make this modification between the "hot" lead on microphone connector and the grid of the first audio tube. The "hot" wire from the microphone most often is red, and you can unscrew the back of the microphone case to double check this—the "hot" lead is the one which comes from the center of the mike button (the "cold" lead is probably a piece of braided shield).

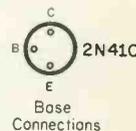
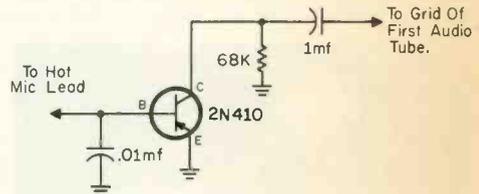
Anyway, when you determine which lead is the "hot" one coming out of the back of the mike connector on the panel of the rig, snip the thing at each end (the other end will run to a tube pin). Next, hook up the four components for the booster between the hot pin of the connector and the input pin of the audio tube. The schematic shows the relatively simple hookup. Keep the leads as short as possible, solder all connections and make certain that none of the wires in the circuit are shorting to ground (except, of course, the connections which are supposed to be grounded) or to other components.

That's the whole job, put the set back in the cabinet, plug it in and "go, Baby!"

# 7 DB GAIN



# FOR 91¢



### PARTS LIST

- 1 40¢ 2N410 transistor (RCA or Sylvania)
- 1 21¢ .01 ufd (Centralab CK-103 or equiv.)
- 1 18¢ 1 ufd cap. (Arco CM-15-C-010M or equiv.)
- 1 12¢ 68K resistor (Ohmite 10% "Little Devil" or equiv.)

Note: substitute transistors include—2N111, 2N112, 2N135, 2N137, 2N139, 2N140, 2N218, 2N394, 2N409, 2N411, 2N412, 2N413, 2N414, 2N481, 2N482, 2N483, 2N484, 2N485, 2N486, 2N544, 2N1107, 2N1108, 2N1110, 2N1515, 2N1516, or 2N1517.

**\*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 being able to receive one station in the presence of others. 2. *Electronics.* like, by virtue of being able to select one signal in the presence of others.



## \*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*

35-15 37th Avenue, Long Island City 1, New York

Dealership inquiries invited



# THE MOD-U-MON

MAKE CERTAIN  
YOU AREN'T OVERMODULATING

by PAUL MEYERHOFER, KHH4055

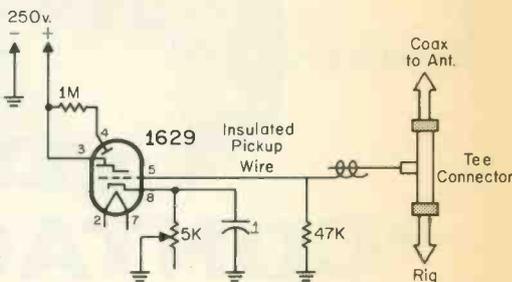
Ever wonder if perhaps your ultra super-fantastic modulation might be pushing you over to the *wrong* side of the law? Don't forget that Uncle Charlie is very emphatic about the fact that you shouldn't run more than 100% modulation—he even sends out little nasty monetary forfeitures and "Show Cause" notices to errant CB'ers.

Here's a way to check on your own modulation, it's a little gadget which throws together in an even evening and takes up very little space. It's the MOD-U-MON. Construction isn't critical, and once you set the single adjustment, it shouldn't require any further tinkering.

Our gadget is put together in a small Minibox (you can even mount it on the front panel of your CB rig, if you have the room to mount it and the intestinal fortitude to drill into the panel). The central component of the circuit being a type 1629 "magic eye tube," we will mount the tube in an Amphenol 58-MEA-8 tuning eye mounting assembly. The schematic shows that there are relatively few parts involved, so there is no point in belaboring any intricate construction details for the MOD-U-MON. You simply can't go wrong if you watch what you're doing!

The power necessary, 250 volts and 12 volts, is easily obtainable from just about any piece of communications gear—even your own CB rig.

The MOD-U-MON is attached to your rig in the following manner. A "Tee Connector" (Amphenol 83-1T) is inserted in your coaxial lead in by means of two PL-259 connectors. A nail is then placed in the output of the Tee and the pickup wire from the MOD-U-MON is then wrapped around the nail.



## PARTS LIST

- 1 .1 ufd capacitor
- 1 47K ½-watt resistor
- 1 1 Meg ½-watt resistor
- 1 5K pot
- 1 1629 Magic Eye tube

Misc: Amphenol 58-MEA-8 housing, Minibox, Tee Connector, 2 PL-259 connectors, nail, wire.

## OPERATION

With the power turned on in the MOD-U-MON, adjust the 5K pot until the eye of the tube just closes (with your transmitter still off the air, at this point). Now turn on the transmitter (with the mike button depressed) and adjust the pickup wire coupling around the nail until the "eye" of the 1629 tube opens to allow a wedge shaped dark area of about 90° in width. Now modulate your rig.



100% Mod.



No Mod.

As you talk, the "eye" should open and close with the modulation, and the more you modulate, the more the "eye" will close. When the "eye" is closed all the way you have achieved 100% modulation. Safety says that you should operate *just below* this point.



# CB IN ACTION



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

**NOISE SUPPRESSION - Part I**  
by Guest Author **HAROLD PETERSON**  
Research Engineer, Pearce-Simpson, Inc.

There is nothing more annoying than plugging down a fist full of hard-earned cash for a new rig—hooking it up and getting nothing but an earful of hash. Volumes have been written on noise suppression but we will try to summarize the basics for you in this and the next column.

The first step in noise suppression is to determine where it originates and find out how it is getting into the receiver. Begin by removing the antenna lead-in from the antenna post, turning up the volume and un-squelching the set. Start the engine and listen carefully for noises coming from the speaker. If no noise is heard with the antenna disconnected and noise is heard with it connected, it means that the noise is entering the set through the antenna. If some noise is still heard with the antenna disconnected, disconnect the lead-in from the set and replace it with a dummy antenna. If no noise is heard now, it means that the noise was getting in through the feed line. The shielding braid of the lead-in may be damaged or not properly grounded at both ends and allowing noise to leak in.

If noise is still heard with a dummy antenna replacing the lead-in on the set, the noise is probably entering the set through the power leads. Running the hot lead of the set directly to the battery terminal (using heavy wire) will sometimes help. A length of RG-8U coaxial lead-in cable is very good for this purpose since the center conductor may be used for the hot battery lead and the shield grounded directly to the unit. If the length of the conductor, from which the shield is stripped back, is kept short, this is a very effective way to keep noise from entering through the power leads. The battery acts as a capacitor to keep noise off the line, and the shield prevents the line from picking noises up.

The next step is to identify the received noise so that it can be suppressed at its source. A popping noise that varies in rate with engine speed is ignition noise. Generator noise shows up as a whining sound while regulator noise is rough sounding. To identify these noises, race the engine and turn it off. Ignition noise will stop but generator and regulator noises will continue as the engine coasts to a stop.

### WIN A COMPANION II

You can win a Companion II with your CB in ACTION story. Simply tell us how you helped an individual or your community with CB. Write to Les Hench, National Sales Manager, PEARCE-SIMPSON, INC., P.O. Box 308, Riverside Station, Miami, Florida 33135.

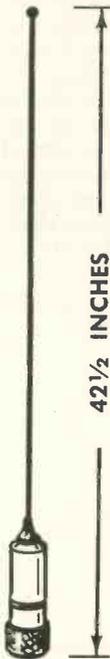


## WITH YOUR TOROID TENNA

Here it is! The one that separates the men from the boys — the milliwatts from the kilowatts, or "killer-watts" as CB'ers have come to call the signal from the Toroid Tenna. Yes, don't throw out that "old" CB rig because it can't compete with the newer ones with the souped up audio. A Toroid Tenna makes any rig

sound like a ton of bricks — not by accident, but because we have given it 2 million miles of field testing, pampering, pruning, tuning and tinkering to give it a whopping 30 to 70% greater transmitting distance.

Don't go away because that's not all (as if it wasn't enough)! Because of the unique highly efficient toroidal transformer we use in the antenna, you'll find that the Toroid Tenna has less outside noise pickup. In addition, it will not (because it cannot) corrode like most other antennas; it requires no clipping and pruning because you can peak it in seconds with only a screwdriver. The 42½ inch size permits mounting on any convenient spot. Sound fantastic? It is! It's one of the few real luxuries in CB that everyone can afford — in fact, with the new FCC rules jamming everyone into only 7 channels, the Toroid Tenna may be the deciding factor between communications and confusion.



**ONLY \$21.95 f.o.b. Los Angeles**

*send for free details*



4125 W. JEFFERSON BLVD. 59  
LOS ANGELES, CALIF. 90016  
AREA 213, 731-2251



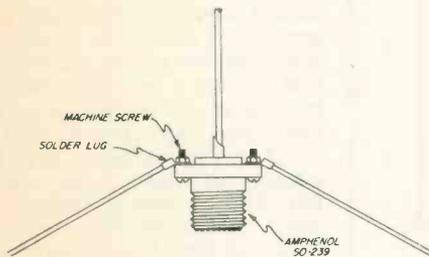
DIVISION OF

# the pee-wee gee-pee

by ROBERT McAIRE, KIC7608

A great many CB'ers (both individuals and clubs) have begun monitoring police, fire, and other emergency radio channels—this is generally in conjunction with HELP, REACT and other CB assistance programs. Then, of course, many of us like to listen to these services for no other purpose than just to see what's going on. Some interesting information on how to listen to these services was run in the April, 1965, issue of S9.

One problem which always arises when monitoring the VHF bands is the antenna to be used. As a rule the VHF receivers are delivered to the buyer with a short length of wire for the antenna. You can imagine how the results are going to be with such a seedy sky-hook—might as well use a piece of damp spaghetti! On the other hand you can buy a commercially made VHF antenna, but these are constructed for transmitting as well as receiving. Receiving-only requirements for an antenna (for practical purposes) aren't as critical as those for transmitting, so you can whip together a receiving antenna without very much cost or bother. It will perform with excellent results on the "150 mc/s" band. Cost is around a dollar or two.



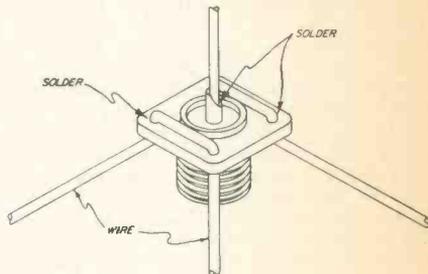
## A VHF EMERGENCY

### RECEIVING ANTENNA

You will require 1 "radiator" and 4 "ground radials" for the antenna. Experience has shown that while coat hangers *may* be used, these are very difficult to solder. It is recommended that copperweld or any type of heavy wire may be used for the elements.

Next, attach a terminal (solder) lug to one end of each of the four ground radials. Solder the lugs to the radials. We used Walsco 7126-C lugs, but any equivalent type is fine. The vertical radiator element is then soldered into place, as shown in the illustration. The four ground radials are placed, by means of machine screws and nuts, to the four holes at the corners of the SO-239. Only a slight droop, if any, is required on the radials. They should be spaced so that each radial is at 90° to the adjacent ones.

Another version of this antenna does not require solder lugs at the radial ends. This antenna is constructed by cutting only two radials,



This little peach of a ground plane is as easy to construct as a few solder connections or tightening four nut and bolt combinations. As a matter of fact, that's all it takes to build it.

The secret? The whole design is centered around an Amphenol SO-239 female coax socket. Decide what frequency you will be monitoring primarily and cut the elements for the antenna according to the following table:

Freq. (mc/s)	Radiator	Ground Radials
151-152	19 <sup>3</sup> / <sub>8</sub> "	17"
153-155	17 <sup>7</sup> / <sub>8</sub> "	17"
155-163	17 <sup>7</sup> / <sub>8</sub> "	16"

each twice the required length plus 1 inch. The radials are then passed through the holes in the SO-239 and soldered.

This antenna can be connected to any length of coaxial cable and taped to any vertical support. Spray the socket with *Krylon* plastic spray when finished. Another type of mounting is to pass the cable through a length of conduit pipe which will support the antenna. No connection is necessary to the pipe, although you can tape the sleeve of the coax connector to the top of the pipe to hold it firm.

Results are excellent.



THE  
POWERFUL  
NEW VOICE  
OF CB

# RAVELLE

SIX CHANNEL TRANSCEIVER  
BY DEMCO ELECTRONICS

\$12450

Complete with Channel 9 receive and transmit crystals, microphone, AC and DC power cords, instruction book and warranty card.



## RAVELLE CONTROL HEAD

A wonderfully desirable option which permits continuous 23-channel temperature-compensated tuning, with "S" Meter for monitoring signal strengths. Also converts the RAVELLE radio to a "bull horn" P.A. system or to a paging system for use when you are away from the set. No wiring necessary. Plugs into socket in back of RAVELLE radio for immediate use.

MODEL CH-300.....\$2950

**POWERFUL 12-TUBE PERFORMANCE** from your choice of six transmit and six receive channels...all crystal-controlled to eliminate drift of signal. And, what performance! This set is so "hot" we have deliberately played down some of its specifications...to make them believable. You'll want to try this handsome radio with built-in AC and DC power supplies before you decide on any transceiver—at any price. Send for detailed information and name of your DEMCO dealer.

## SPECIFICATIONS

**TRANSMITTER:** Channels (6) • Frequency Range (26.695—27.255 mc) • Emission (8A3) • Frequency Tolerance (better than .005%) • R.F. Input (5 watts) • Output Impedance (51 ohms) • Modulation (99%)

**RECEIVER:** Channels (6 crystal controlled) • Frequency Range (26.695—27.255 mc) • Sensitivity (0.3 uv for 10db s/n) • Audio Output (5.6 watts) • Antenna Input (51 ohms) • Squelch Sensitivity (0.3 uv to open) • Power Supply (12v/4 amp or 117v AC)

**DEMCO**  
ELECTRONICS



"the royalty of radio equipment"  
BRISTOL, INDIANA

Please send information on the RAVELLE radio and name of nearest dealer.

Name \_\_\_\_\_ CB Call \_\_\_\_\_

Address \_\_\_\_\_

City, State \_\_\_\_\_

# Shape up with the sharp one!



## **XL-100 C. B. Mobile** **Brand-new from TRAM**

So sharp, adjacent channel rejection is 95 db or better! TRAM achieves this SUPER-SELECTIVITY with a built-in crystal filter. This, Better-Than-The-Competition excellence, separates TRAM's XL-100 from all others in the field.

Take a fast look at just some of the quality features that make TRAM Number One with pros who know!

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!

Write for FREE ILLUSTRATED BROCHURE  
(name of nearest TRAM dealer)

**XL**  
**TRAM** 100  
Quality at Your Finger Tips

**TRAM ELECTRONICS, INC.**

P.O. BOX 187, WINNISQUAM, N. H.

QSL  
YY5-HER  
2019-2020

Edoardo & Remy León  
 YS-EJL-263  
 CARACAS - VENEZUELA



ON THE CANAL ZONE  
 KARYS  
 THELMA  
 CB22

JERRY  
 CB228

The Cochran  
 C200 SOLO

March 7-10  
 Channel All 23



KWJALEIN ISLAND  
 PACIFIC MISSILE RANGE FACILITY  
 K-0107



# THE S9 INTERNATIONAL CB CALLBOOK

FIRST EDITION  
 AUGUST, 1965

CROSS ROADS OF THE WORLD  
 COLOMBIA CANAL ZONE  
 CB-041-042

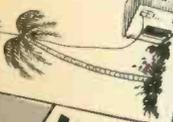
Adrian Deans  
 P. O. Box 345  
 Fort Clayton CZ

STATION ON CHANGE? DATE C.A.T. U.S.  
 ALL 23 OUT ON 7.  
 A CARD FROM YOU  
 MEANS YOU WANT  
 MARK VS WHIP ANT.

Cross Road Club  
 "Voice of the Caribbean"  
 Member 11

VGH 2929

Joe & Lydia Pringle  
 Governor's Highway  
 1841 THERIA, BETHLEHEM



YIWK



CAY, BAHAMAS  
 BERRY ISLANDS

VCC 1435

Meeting Address  
 FRANK KARCHER  
 Miami, Florida

PSE ORL 3632 SW 7th Street

ANTONIO MORALES  
 P. O. BOX 3377  
 CABAQAS

YY5-OMS

JOE MARRERO  
 P. O. Box 7850

YY5NMG-1443

YY5-RC



CARACAS - VENEZUELA

UNA FUERZA  
 ECONOMICA

Station DZB-56  
 BOLINAS ELECTRONICS CORPORATION

Reception Report Received  
 Checked and Verified

Listener:

Freq: 27.008 Power: 100W Time: 0915 GMT  
 Date: OCT. 26, 68 Remarks: Nice Manila Group  
 "MABUHAY" and THANKS By: [Signature]

YY5-108A  
 Caracas



CALL TO US

VP 01

YY5 - PS279

CARACAS  
 VENEZUELA



PEDRO SFEIDMANN  
 P. O. Box 2363

YY5-EGM

BALBOA CANAL ZONE  
 CB-017 - CB-049

MOBILE

1000 MOVIL

BASE

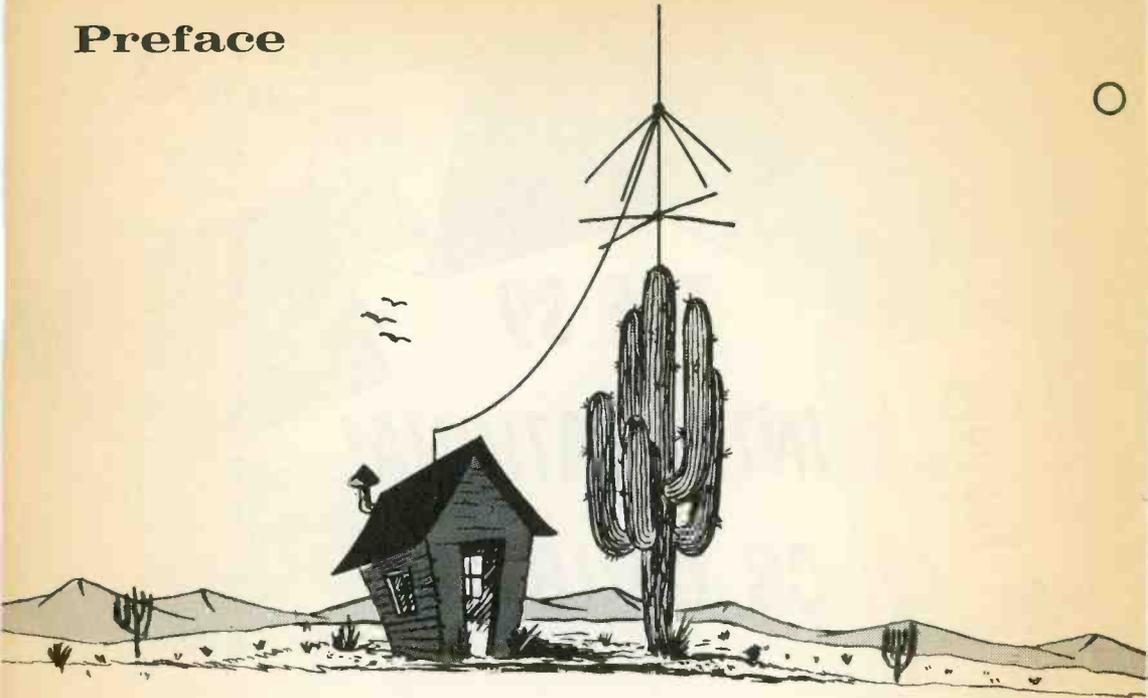
Channel: 8LVE

To Radio: \_\_\_\_\_  
 At: \_\_\_\_\_  
 STATE: \_\_\_\_\_  
 Remarks: \_\_\_\_\_  
 Exp. Exp. This: \_\_\_\_\_  
 Mailed: \_\_\_\_\_

QSL  
 YY4-KK



## Preface



Although there has been considerable interest in overseas CB operation, there has also been an equal amount of *disinterest* by foreign governments in furnishing specific information on the operators and callsigns. In an effort to publish an International CB Callbook, we requested that our readers supply us with this information on any foreign CB'ers (that is, CB'ers not located in Canada, or the United States and possessions). A considerable amount of information came in, however much of it was not usable because of the fact that many readers are confusing the "callsigns" which many foreign governments issue to short wave listeners with actual CB callsigns—they look rather similar. Our list does not include foreign SWL's or DX'ers, only CB operators. There were, of course, many duplicate listings sent in too, and we found some conflicting information from various readers about stations which were obviously one and the same. We sorted through this mountain of information and came up with the listings which we offer here.

S9 Magazine makes no claims for the accuracy or currency of any of these listings, nor do we claim that these listings in any way represent the entire CB population of any particular country. We don't presume to guess at whether any of these operators swap QSL's—although if you want to try, be our guest. Don't forget to enclose a properly validated International Postal Reply Coupon with your swap request; and don't forget that U.S. or Canadian postage stamps sent along with your card for return postage are less than useless overseas. Our listing does not include U.S. or Canadian servicemen stationed overseas since they are not permitted to use their equipment unless they are located in areas where CB is authorized and they receive special callsigns. Only one or two areas permit this type of operation.

Additions and corrections to this listing will be appreciated and a revised and updated version will appear when a sufficient number of changes are on hand to warrant same. The following S9 readers made the following Directory possible for you: KHB2112, KHC7920, KLH3514, KCD4234, KHJ8017, KKA4210, KBG-7687, KHJ4556, KEH0947, WPE4HEM, KMK0678 (ex-KKK4410), KHD-1385, KDE4645, and William Cody.

## ARGENTINA

1J32 Dr. Isaac Habib, Espana No. 141, Parana E.R.

## BAHAMAS ISLANDS

*Licenses cost one Pound Sterling (about \$2.80) for a mobile station and slightly more than twice this rate for a fixed station. Reportedly you get only a license and no callsign—which you can select at your own discretion.*

CBM-131 R. Roy Albury, Georgetown, Exuma, Bahamas Is.  
VCC1435 Frank Karcher, 3632 SW 7th St., Miami, Fla.  
(Station in Chub Cay, Berry Islands, Bahamas Is.)  
VGH2929 Joe & Lydia Price, Governor's Harbor, Eluthera, Bahamas  
VGH3697 Jim & Mike Kye, Eleuthera, Bahamas Is.  
VPN8N Pat Clark, P.O. Box 1525, Nassau, Bahamas

## CANAL ZONE

*These stations are operated by U.S. military personnel.*

CB-017 Harold L. Wickham, Box 2459, Balboa, C.Z.  
CB-021 Henry V. Ross, P.O. Box 36, Margarita, C.Z.  
CB-024 See CB-021  
CB-036 Ken Belles, P.O. Box 762, Ft. Clayton, C.Z.  
CB-041 Julian Deans, Box 545, Fort Clayton, C.Z.  
CB-042 See CB-041  
CB-049 Howard L. Wickham, Box 2459, Balboa, C.Z.  
CB-064 Jim Luddy, Box 2453, Balboa, C.Z.  
CB-087 Tom Stevens, Box 1108, Howard AFB, C.Z.  
CB-120 Ruth Thompson, Box 1511, Balboa, C.Z.  
CB-121 Ken Thompson, Box 1511, Balboa, C.Z.  
CB-228 Jerry Karns, P.O. Box 191, Coco Solo, C.Z.  
CB-229 Thelma Karns, Box 191, Coco Solo, C.Z.

## COLOMBIA

*This is the callsign of a licensed Amateur operator who apparently uses the Ham call on CB.*

HK3KI Hollman Garavito, Apartado A-11105, Bogota, Colombia

## COSTA RICA

*Callsign not available.*

Cy, Apartado 5140, San Jose

## JAMAICA

"CORDAGE" Ronald J. Black, Spanish Town

## JAPAN

*Callsigns are apparently issued from the same series as Amateur stations, as the following operator is not listed in the Radio Amateur Callbook.*

JA1OCA Isao Numa, 1-281 Setagaya, Setagaya-ku, Tokyo

## MEXICO

*Stations are apparently permitted unlicensed operation by the government. Callsigns are therefore not assigned but are made up by the operators.*

VP-01 Gene W. Ashley, El Rancho San De Guadalupe, San Juan Del Rio, Durango

XB-3 Same as XE1EEI

XE-1 Irma Hardesty, 175 Colombia, Juarez

XE1EEI Rafael Corcuera, P. Sanchez 416, Guadalajara, Jal.

XR3EGI Same as XE1EEI

## REPUBLIC OF PANAMA

*Callsigns are not available.*

Colegio Javier, Calle 4a, Perejil 7-100

Cucalon, Ricardo; Carrasquilla 170, Panama City, Panama

Dorado Import Co., S.A., Via Espana 45, Panama City

Hotel Continental, Via Espana y Ricardo Arias, Panama City

Lopez F., Oscar; Calle 31 y Ave. Peru 5-83, Panama City

McClellan Photo Shop, Calle 25 Oeste 8-104 cto 16 Altos, Panama City

Motta, Felipe, Jr., Ave. Balboa, Panama City

Productor Arcilla, La Loceira, Ave. M., Espinosa

Westrex Caribbean, Ave. Cuba, 32-14, Panama City

## PERU

OAAT3 C.K. "Kim" Ham, Iscozazin (Via San Ramon)

## PHILIPPINES

DZB56 Bolinao Electronics Corp., P.O. Box 1344, Manila, Philippines

## VENEZUELA

Several callsign assignment sequences are, or were, in use. Apparently the stations were originally assigned callsigns which consisted of the prefix "YY" followed by a call area number, then the initials of the operator followed by a number (different number for mobile and base). It seems that some, or all, of these callsigns have been, or are being, changed over to a new system which consists of either a number followed by "YX" or "YY" or a system of call assignments which is made up of the letters "YY" followed by a series of numbers. A license costs about 10¢ from the Ministry of Communications.

1YX5	Samuel Eppel, Ave. 3Y No. 72-70, Maracaibo
1YX7	See 1YX5
4YX20	"Long John" Bart, Apartado 645, Valencia
4YX28	Byron, Apartado 452, Valencia
4YY338	Pedro V. Mena, Apartado 65, Valencia
5YX67	Pedro J. Mendoza, Apartado 6552, Caracas
5YX525	Paul C. Bosch Apartado 2674, Caracas
5YX565	Guillermo Rodriguez, Apartado 889, Caracas
5YY1365	See 5YX565
YV1WKC156	Bill Carmichael, Apartado 19, Judibana
YY4RB291	Roberto Bartholomew, Apartado 645, Valencia
YY4RB292	See YY4RB291
YY4SRL167	Simon Rojas, Apartado 65, Valencia
YY5AU1084	Alfredo Urbina, Apartado 12029, San Martin, Caracas
YY5EGM1865	Greco TV, 2a. Calle Buena Vista, Petare, Caracas
YY5EGM1866	See YY5EGM1865
YY5EI179	Eduardo Insam, Box 2251, Caracas
YY5EJL263	Eduardo Leon, Apartado 2285, Caracas
YY5EMR1452	Roma & Ed Rober, Apartado 11557, Caracas
YY5HER2019	Hector E. Rivas P., Los Teques, Edo. Miranda
YY5HER2020	See YY5HER2019
YY5HST1015	Hermes Salas Torres, Apartado 10333, Caracas
YY5MLR1038	Manuel Landa, Apartado 5371, Caracas
YY5MRA1132	Miguel Ramirez Alvarez, Petare, Edo. Miranda
YY5MSG	Manuel S. Gill Subero, Apartado 2146, Caracas
YY5NMG1443	Joe Marrero, Apartado 7820, Caracas
YY5OMS1802	Antonio Morales, Apartado 3357, Caracas
YY5PS278	Pedro Seideman, Apartado 2253, Caracas
YY5PS279	See YY5PS278
YY5PVM1783	Now 4YY338
YY99	P.O. Box 413, Maracaibo
YY179	Box 172, Maracaibo
YY180	Vic Firebaugh, Box 63, Cabimas
YY188	Richard Gomez, 12 Ave. #69 Apt. 13, Maracaibo
YYI-80	W.S. Jones, Apartado 246, Maracaibo
	Marcello, Apartado 1130, Maracaibo

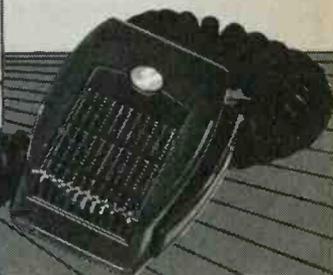
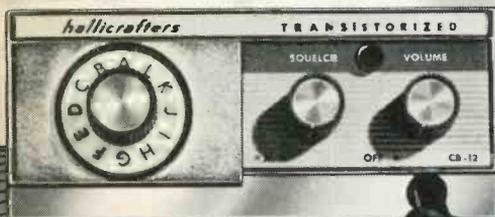




*hallicrafters* now brings you  
a new measure of CB transceiver performance—

# 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!

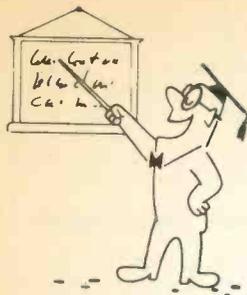


The quiet one...the powerful one...the compact one...the one with 12 channels, a built-in P.A. system and illuminated channel selector...the *all-solid state*

# CB-12

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

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



# KYLE'S KORNER

WRITE TO:

JIM KYLE, KEG3382  
% S9 MAGAZINE  
14 VANDERVENTER AVE.  
PT. WASHINGTON, N. Y. 11050

Midsummer—that's the time when it's hot, no matter where you're located. We're expecting a cold front down here—it may bring the temperature down to 90. How's the weather out your way?

But hot or cold, the questions continue to pour in, and that's the way I like it. A lot of the questions deal with antenna designs and measurements, so I'll wrap all these up in one small discussion (which might really belong in Len's Antennas" department—but instead of the theory I'll give simply cookbook results). Let's get right to it.

Most of my antenna questions fall into one of two classes. The first is "How much gain can I expect from a ----- type of homebrew antenna?" and the second is "What are the dimensions for a -----?" Herewith is a small table which lists comparative gain figures for all the common types of homebrew designs, and dimensions for each:

To match the antennas which have less than 50 ohms feed impedance to ordinary coax, take two identical lengths of 75-ohm coax such as RG-11 or RG-59, each 5'11" long, and connect them in parallel, center to center and shield to shield at each end. Then connect one end of this matching section to the antenna feedpoint and the other end to your coax. Resulting SWR should be almost exactly 1 to 1 if the antenna impedance is about 35 ohms, and will be very low for antennas from 20 to 40 ohms.

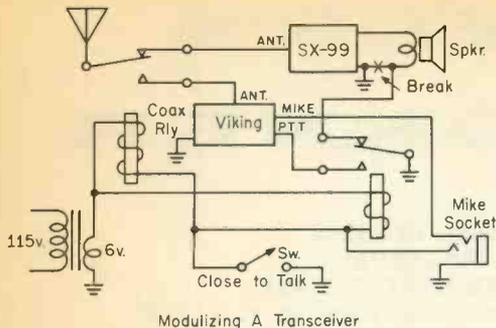
Now are the antenna builders taken care of for a while? Let's move on to the specific individual questions.

## MODULIZING A TRANSCEIVER

My CB rig is a Johnson Messenger Viking. What route must I take to rewire this rig so I can transmit on the Johnson, and receive on my Hallicrafters SX-99 ham receiver?

—A.K., Baton Rouge, La.

ANTENNA	GAIN	MATERIAL	DIMENSIONS
Ground plane	0 db	1/2" Conduit	Radiator, 8'10" Radials, 9'1" (Radials at right angles to radiator, not drooped)
Half-wave dipole	0 db	No. 14 wire	17'4"
2-el beam	5 db	1/2" Conduit	Radiator, 17'8" Reflector, 18'8" Spacing, 3'8" Feed impedance, 20 ohms
3-el beam	8+ db	1/2" Conduit	Director, 16'6" Radiator, 17'5" Reflector, 18'2" Spacing, dir-rad, 4'7" Spacing, rad-ref, 3'8" Feed impedance, 32 ohms
5-el beam	10 db	1/2" Conduit	Reflector, 18'2" Radiator, 16'9" First Dir, 16'0" 2nd Dir, 15'8" 3rd Dir, 15'11" Spacing: Ref-rad, 7'2"; rad-D1, 6'0"; D1-D2, 6'0"; D2-D3, 7'2" Total boom length, 26'4"



Modulizing A Transceiver

Unless you really want to, you don't have to do any rewiring at all! Just get a Dow-Key or similar coaxial relay, an ordinary SPDT relay (both with 6 VAC coils), a 6-volt transformer to supply voltage to the coils, and a switch to operate the relays. You can build an adapter (mike socket and plug, with the push-to-talk wire from the mike brought out to a terminal at the side for the relay and a pair of normally-open contacts of the relay brought back to the push-to-talk line for the Viking) to use the mike's PTT switch as the switch of this hookup. Then install the relays as shown in the schematic and wiring diagram that's somewhere in this vicinity, so that when you're listening and the switch is open, the antenna is connected to the SX-99 and the transmitter is off. When you throw the switch to transmit, the antenna will transfer to the Viking and the other relay will both kill the SX-99 and turn on the Viking's transmitter. To disable the Viking receiver, just turn the volume all the way down, the squelch all the way up, or both. You could make a complicated rewiring job out of it, but why bother?

### LACK OF SELECTIVITY

Recently, I purchased a used \_\_\_\_\_ transceiver. It works fine except for an abnormal amount of channel bleed. I have a friend who runs a unit just like mine and he has no trouble. Also, his radio has a lot better "ears" than mine. I've checked the tubes.

—D.H., Gatesville, Texas

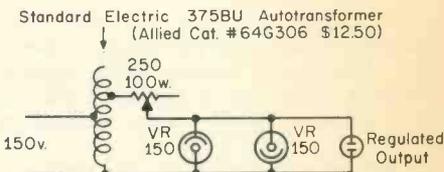
Sounds as if both your problems could be from the same cause—a mis-aligned IF strip. If the IF transformers are not correctly tuned up, both the selectivity and the gain will suffer. And IF-transformer tuning is affected by many things. Humidity will change it; so will temperature. If your unit has been hot and/or damp, it could have drifted out of alignment. More likely, somebody twiddled screws along the way without knowing what they were up to. There's only one really "right" way to realign it, and this takes a lot of expensive equipment—so much, in fact, that few if any service shops use the method. You can do a pretty good job by tuning to a reasonably weak signal (carrier only, without audio, is preferred—send a pal with a Part-15 unit down the street a ways) and carefully adjusting both the top

and bottom slug screw on each IF transformer for strongest signal. Start at the one nearest the speaker and work forward. Tune first one screw, then the other, then back to the first. Keep this up until you can't get any more improvement before moving to the next transformer. The difference will be astounding, if alignment is the cause of your problem.

### LINE VOLTAGE VARIATIONS

Hi—I have two questions: What effect does the changing line voltage have on performance? And what is a simple circuit to regulate line voltage?

—E.K., Portland, Oregon



Since writers get paid by the word, this is the kind of question I really love—direct, to the point, and requiring a long reply! First, the effect. In general, the higher the voltage (within limits, of course) the hotter the performance. The price you pay for this is reduced component life for all parts of the equipment. If voltage is just 5 per cent high, tube life can be cut in half. When line voltage drops, so will performance. Thus, for maximum economy with optimum performance, you want to keep the line voltage just right. Most home circuits don't hold right at 120 volts; when a refrigerator, freezer, air-conditioner, or furnace (look ahead to the cold days to keep cool now, somebody told me once) comes on, voltage will usually take a sharp drop. Then, when it bounces back, it will shoot away above normal for a few fractions of a second before settling down. While you can't see this "overshoot" on most meters, it does considerable damage to equipment. The simplest way to keep voltage rock-steady is to go buy a Sola constant-voltage transformer (most of the mail-order firms sell them) but this is also the expensive way out. An alternate method is to use an inexpensive auto-transformer to step the line voltage up to around 200 or so, then use a pair of VR-150 voltage regulating tubes as shown in the accompanying schematic to hold voltage steady. This will give you about 106 volts, which is a trifle low, but you'll hardly ever notice the difference in performance and tubes will last several times longer. To set the circuit up, unplug the tubes and turn the voltage control down to zero. Set the resistance at maximum, and connect a voltmeter across the output terminals. Turn on your transceiver, and start cranking up the voltage control until you measure 110 volts at the output. If you can't get there, unplug the gadget from the wall and reduce the value of the resistor slightly. Then go back to zero and try again. When you have a reading of 110 volts

without the tubes, and without the transformer being all the way up to maximum voltage either, plug in the tubes. The voltage should drop to about 106 if you're using a VTVM to measure it; with other types of meters, the reading will no longer be valid and you'll have to judge the output voltage by the brightness of your transceiver's pilot bulb (as compared to its brilliance at 110 volts without the VR tubes in). Adjust the voltage down until the tubes go out, then bring it back up until the light again, and go up carefully until they are glowing brightly. Set the control finally to the point midway between these two settings, and enjoy regulated supply voltage for your installation.

### TVI IN REVERSE

How can I filter out the noise, squeals, and howls on my AM radio sets, caused by my TV and also my neighbor's TV set?

—C.E.P., Marshalltown, Iowa

This is the other side of the TVI picture. The horizontal-sweep section in any TV set puts out a harmonic-filled 15.75-kc signal that can be heard all over the spectrum. Using a set which gives off very much of this signal isn't legal under Part 15 of the FCC rules, but that's not much help when it's your own set that's giving you the trouble. Start by putting in a line filter between the TV set and the wall socket; this should take out a lot of the crud. Add a high-pass filter to the TV to keep the interfering signal from getting up to the antenna. If the birdies still remain, shield the inside of the offending TV with aluminum foil taped to the interior of the cabinet and connected to the chassis. And as a last resort, buy a new TV.

### MULTIPLE PROBLEMS

I just bought a new CB rig, an HB-400. It is not equipped with a standby switch or circuitry; I would like to know how I can put one in so that the tubes will be operating at a reduced voltage on standby. Also, I have a neighbor who lives about 200 to 300 yards from me. When he comes on I can hardly understand him. If I put on a portable antenna would this cut down his signal strength enough to be readable? If not, could you suggest a modification?

—B.W.S., Tacoma, Washington

Let's hit the second question first. I haven't yet managed to overload my own HB-400, even with its own output signal coupled back in through a couple of jumper wires! I would strongly suspect that your pal's lack of readability is in his rig rather than in yours. However, the use of a short antenna would cut down the signal to the point that overload, if it's happening, ought to disappear. If the trouble is at the other end, naturally, there's nothing you can do at your rig to clear it up. Now to the standby switch. Most standby switch circuits simply open the B+ line so that the tubes have filament voltage on them, but

no plate voltage applied. Then when you switch to operate, you don't have to wait for them to warm up. You can add this by locating the main B+ wire, cutting it, and running it to a SPST switch on either the front or back panel. If I were doing this, I would use the existing ANL switch, and connect the ANL wiring so that it's always on—but then I wouldn't bother with a standby switch in the first place.

### WANTS A SCRAMBLER

I am aware that there are available commercial scramblers for use on telephones and for transmitters. I want to know if there are circuits available to build these or any material on theory of operation. Or perhaps you could explain it to me. Your help will be greatly appreciated.

—D.W.S., Pittsburgh, Pa.

Basically, a scrambler simply codes the speech. Way back when, the 'phone companies used single-sideband transmission as a scrambling technique—and it worked fine until people learned about SSB. Now, the coding has to be much more complex.

The simplest way to code speech is to feed it into a balanced modulator and there mix it with the "coding" signal. What comes out will be a mixture of the speech and the coding signal, and neither will be decipherable. At the other end, this mixture goes to another balanced modulator where an identical coding signal is applied, and what comes out of this one is the original speech.

For local calls, you can tune in a broadcast radio station and use its audio as the "coding" signal at each end. To get circuits for the balanced modulators, try the "New Sideband Handbook" by Don Stoner, published by the publishers of S9 and available from them if your local supply house doesn't have it. And be ready to do a lot of experimenting, for this is an area in which there's little known data to guide you.

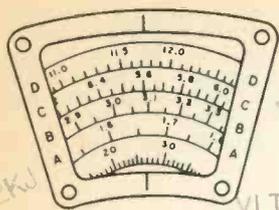
Again, remember that it's not legal to scramble a radio transmission. Confine your efforts to land-line use.

Which brings us smack up against the end of the allotted space, even though the basket does still have a lot of unanswered questions in it. We'll get them next month—at least, most of them. Every now and then, you know, one of you stumps me. And when that happens, I'll be the first to admit it.

How about you? Have a question, preferably technical but if not technical, ask it anyway? Then drop me a card, % S9, 14 Vandeventer Avenue, Port Washington, Long Island, New York 11050. By the time you get all that address on the card there won't be much room left for the question, but that will help you keep it fairly short.

Then all you have to do is sit back to enjoy the wait until I'm back again here at the old stand. 10-10 until next time . . .

**S9**



# THE SWL SHACK

## BEST BETS FOR LISTENERS ON THE DX BANDS by RICK SLATTERY

BIG NEWS! A contest is in the offing—and you have a chance to win some of the prizes (prizes include 5 subscriptions to S9, 3 subscriptions to *Electronics Illustrated*, subscriptions to *Radio-TV Experimenter* and *Electronic Experimenter* magazines; memberships to some of the world's leading DX clubs, copies of *The World Radio and TV Handbook*). All entrants will receive a special QSL card.

The contest is being held on August 27th at 1830 EST (2330 GMT or 7:30 P.M. Eastern Daylight Time) on 15440 kc/s over shortwave station WRUL, "Radio New York Worldwide," located at 4 West 58th St., New York, N. Y. 10019. The contest will be held again on Saturday, August 28th, at 1400 EST (1900 GMT or 3 P.M. Eastern Daylight) on 15440, 17730 and 17845 kc/s. The special program for the contest will be 29 minutes and 30 seconds long and will include special features along with ten true and false questions to be answered by listeners.

To enter, you *must* write to WRUL *now*, before the contest, and obtain a special contest entry form. The program will be beamed to Europe, Africa and Latin America—although the station is *easily* heard throughout most of North America.

By the way, we have it on good authority that a special prize (not listed above) will be given which will be a WOW! So watch for this contest, it should be a blast!

Francis B. Copeland, KKA1432, 114 Grant St., Ellsworth, Me. 04605, would like to write to or swap tapes with other DX'ers.

We received word from T. W. Rankin, KAG3555, Clinchport, Va., that Station

HCJB, "The Voice of The Andes," Quito, Ecuador, is *very* interested in receiving signal reports from S9 readers and will send all who furnish them with correct, *detailed* reception reports a QSL card. The station is heard on many frequencies throughout the shortwave spectrum and with excellent signal strength too. Drop them a report if you hear them, return postage isn't necessary. Be sure to include the following in your report: date, time (in GMT, if possible), frequency (or approximate), details of the program(s) monitored.

Reader Harry Nechetsky, Niceville, Fla., says that he hears HCJB well from 0200 to 0430 EST on 9745, 11915 and 15115 kc/s. On the standard broadcast band, Harry has logged WCCO in Minneapolis-St. Paul after 0440 EST on 830 kc/s; WFAA in Dallas on 820 kc/s after 0100 EST.

James Burton, Staunton, Va., says to look for *Radio Havana* on 730 kc/s for news in Spanish and English around 0030 EST. Jim also grabbed off a good one by logging a whole series of SSB transmissions between spacecraft GEMINI 4 and the ground control center in Texas. These were between 10 and 11 mc/s. He says to look for SSB telephone station OEF33 of the Austrian Posts and Telegraphs in Linz, Austria. They operate on 13848 kc/s (no regular schedule) and will QSL.

Rambling across the bands, we find the following: BBC in London at 1745 EST on 9510, 11755, and 15070 kc/s; XEHH in Mexico City at 1710 EST on 11880 kc/s; *Radio Japan*, Tokyo, at 0800 EST on 9740 and 11815 kc/s.



# READERS' BONANZA!

TAKE YOUR PICK OF THESE GIFTS!

For some time now we have been offering all kinds of free goodies with new subscriptions and renewals, we vary them each month. But we always seem to get requests for bonus items which haven't been offered 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.

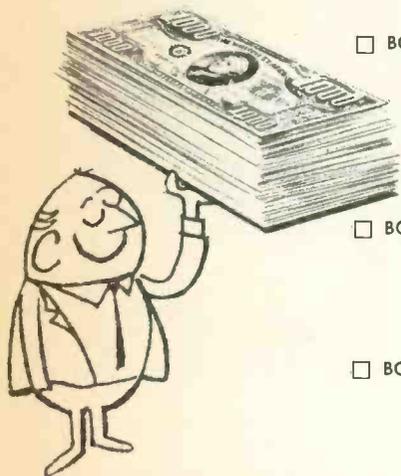
BONUS ITEM #1 — Large 3 inch, 3 color, "Monitor Channel 9" decal. Regularly sells for 50¢.

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 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

Is it time to renew your S9 subscription?

August 1965 • 35

*short, short story  
about a great new mobile cb antenna:*

Capacity-matched  
to car body for  
excellent, low  
VSWR.

Fine-tuning  
adjustment

brand new loading  
techniques for  
more effective  
center loading

rugged, professional-  
type 2½" stainless  
steel shock spring

the  
beauty of  
this baby  
is its  
18" length!

At last—a high-performance mobile CB antenna you can mount on your roof where it belongs, without making your car look like a space satellite!



**M-130**  
**"Mighty Mite"**

3/8" snap-in mount—  
no soldering

**M-131**  
**"Maggie Mite"**

Gutter clip mount—  
hang it anywhere



**M-130**  
**"Mighty Mite"**

18" Mobile CB antenna

**the antenna specialists co.**

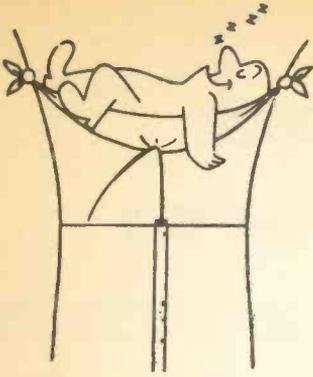
12435 Euclid Ave., Cleveland, Ohio 44106

A division of A/S Industries, Inc.

Export Div.:  
64-14 Woodside Ave.,  
Woodside 77, N.Y.

"stripes of quality" ®





# ANTENNAS

by LEN BUCKWALTER, KBA4480

## HOW TO GET OVERPOWERED

Some people just get plain tired of working out only ten, maybe 15 miles. So they begin to shop for more range. Better antenna? No. Better rig? No. More power? Eureka! Couple of more watts and who'd know the difference? So they pick up a piece of gear that's about as legal as selling old horses for hamburger. Its name is whispered in back rooms at the CB meeting; "linear amplifier." Just hook it to a rig and you won't sound like the fairy piper anymore. No sir . . . you'll bellow like a bull.

That is until you're discovered, prosecuted, sentenced, then hauled off screaming to the shack-with-bars. For even though the linear amplifier is nice for working distant relatives, other ears are listening too . . . official ones.

It's those ears we'd like to consider now. The FCC has some nifty tricks of its own to track down and weed out the crime that's officially known as "overpower." It's done with some novel antenna techniques.

Let's say an illegal operator is under suspicion by FCC authorities. Checking power at a distance hasn't proved practical. Too many possible variations in CB antennas and other conditions. So the usual method is for the FCC man to make an inspection of the station. Under old rules, determining overpower wasn't easy. Power was measured by *input* to the transmitter—which usually means jacking a meter into the rig, then making some calculations. Differences between various CB rigs make this inconvenient, if not impractical. Today the inspector's job is simpler. Now the man simply screws an output meter to the antenna jack and reads power in watts directly. Neat and clean.

But of course no self-respecting criminal likes to stand by while his linear amplifier is measured for size. In a number of actual cases, there have been desperate attempts by CB'ers to hide the linear before the inspector can take readings. Some succeed—but only temporarily. The FCC has a shrewd little technique which could be called "before-and-after."

Here's how it works: While the illegal amplifier is on the air, an FCC car parks nearby. In the car are two field engineers. Hooked to an antenna is a field-strength meter which records the strength of the overpower signal. As men-

tioned earlier, this reading is not reliable enough to indicate actual wattage of the signal. A reading, however, is noted down. Next, one of the engineers goes to the station to make his inspection. But before he can get to the rig, the marauding CB'er hides the linear amplifier and restores the station to normal condition.

Does it faze the lawman? Undaunted, he proceeds to operate the rig, which is now a regular 5-watter. Meanwhile, down at the official car, his buddy takes another reading on the signal. You don't have to be a whiz at math to guess what happens next. With a simple formula, it's easily possible to calculate "before and after" power. The first reading, taken during illegal operation, has a definite relationship to the signal measured during normal operation. So airtight is this method for detecting overpower that it's been used successfully as evidence in court. Guess who wins these cases every time?

Another piece of antenna detective work by FCC officials we like to call the "schozzola" technique. It's used to smell out an illegal station that won't announce its call letters and thus give away its position. It's easy to locate the *general* position of the station. This is done by using directional antennas to get a fix on the signal. But in picking out a particular house or apartment another system is used. Since the signal is quite strong at short distances, a less-sensitive instrument must be used for detection. The device is unofficially called the "sniffer" by FCC officials. It's nothing more than a diode detector for converting the radio wave into a signal which can be viewed on a meter, plus some leads for pickup. By sniffing around with this gadget, the FCC man can make his way from your antenna, right into your rig.

And for those rascals who like to work skip, the Commission can roll out the big guns. It's a nationwide hookup which feeds information into one central location where long-range signals are tracked. The overall set-up faintly resembles the war room in "Dr. Strangelove." In one end are several racks of equipment which contain some of the sweetest communications receivers now produced. A few feet away is a teletype machine printing out information arriving from FCC out-

*Continued on page 70*



# ON THE COUNTERS



The TRAM XL-100 may sound like a foreign car but it's not. That's the handle for a new mobile rig from Tram Electronics, Inc., Box 187, Winnisquam, N. H. We got the word on this little gem from Tram's Ronnie O'Callaghan. This is a 23 channel rig featuring frequency synthesis. The receiver features a built-in crystal filter which provides extreme selectivity (adjacent channels down to 95 DB+). Sensitivity is .3 uv to provide 1 watt of audio out. Transmitter puts out a minimum of 3½ watts with 100% modulation (including audio compression). A built-in low pass filter knocks down harmonic radiation 80 DB. The XL-100 has 13 tubes and 9 diodes. A key locking power-on switch gives maximum protection against theft and unauthorized operation. Price is \$318.

The SIGNAL-HUNTER is a practical CB direction finding loop antenna designed by the Gold Line Company, Muller Avenue, Norwalk, Conn. 06852. With sharply directional pickup, it can pinpoint any 27 mc/s radio transmitter; making it especially useful for marine and emergency use and "just for fun." Installation is done in seconds, all it means is clipping the unit to your car window. A standard coaxial connector then plugs into the antenna connector on the rear of the CB rig. DF indications are determined on the receiver's S-meter. Complete with 8 feet of cable and fully assembled, the SIGNAL-HUNTER sells for \$9.95 from the manufacturer or his distributors.

A series of call area callbooks is now available from Chuck Baer Enterprises, 6429-S North Glenwood Ave., Chicago, Ill. 60626.

As of now, the following directory call areas are covered: 9, 6, 6, 11, 12, 8 and 18 (separate directories for 18-East and 18-West). Prices range from \$3.50 to \$5.95 per copy, depending on the call area covered. Listings are alphabetical by callsign and also by city. These are nice, we've had a chance to see them. They are apparently free of the many errors which have plagued similar efforts in the past. Ask Chuck for the details on the directory for your call area. The areas not already covered will be off the presses shortly and new editions of all will be out each year.

Three new Suppresskits, each specifically designed for installations in Chrysler, Ford, and GM vehicles having alternator electrical supply systems are now available from Sprague Products Co., North Adams, Mass. Easily installed in any vehicle, they sell for between \$16.92 and \$26.03, depending on the model desired. A separate model, the SK-1 (\$17.85), is designed for older cars with DC generators.

The Petersen Radio Co., Inc., Council Bluffs, Iowa, have whipped up a jim dandy checking unit to aid you in checking out crystals which are giving you a bad time. All you do is stick a desired CB crystal in the socket, throw a switch, and the meter advises you of the performance capabilities. Price is \$24.95.

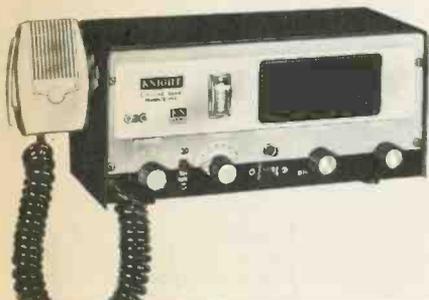


Our friends at Kaar Engineering, 2989 Middlefield Rd., Palo Alto, Calif. are now offering their SKYHAWK 335 CB rig, a 23 channel solid-state job.

The receiver, which draws only .025 amps from a 12 volt source, is a dual conversion superhetrodyne with sensitivity of 0.4  $\mu$ v for

10 db signal to noise. The two-stage squelch circuit provides a range of 0.2  $\mu\text{v}$  to 30  $\mu\text{v}$ , fade protected to reduce flutter. AGC is flat within 6 db from 1  $\mu\text{v}$ . The highly efficient transmitter features a full five watts input, with high level Class AB<sub>2</sub> modulation. Transmitter drain is 1 amp under 100% modulation.

Special features of the Skyhawk 335 include Varactor type fine tuning, illuminated signal level meter, paging, series impulse noise limiter, and provisions for selective call. Dimensions of the complete unit are 2 $\frac{3}{4}$ " high, 6 $\frac{1}{2}$ " wide, and 9 $\frac{1}{4}$ " deep. The Skyhawk 335 is priced at \$199.95, complete with DC cable and crystal for the HELP Channel 9. A "6-pak" of crystals, providing coverage of all the inter-station channels, is available at \$19.95, and a "22-pak," priced at \$69.95, makes possible coverage of all 23 channels. A pedestal AC power supply unit is available for base station installations at \$34.95.



Allied Radio, 600 North Western Avenue, Chicago, Ill. 60680, has come up with the Knight KN-2590 Dual Power 8-channel CB rig which features a switch for a choice of 100 milliwatt or 5 watt input. The receiver is tunable across the entire 23 channels. The transmitter includes speech clipping for maximum effectiveness at 100% modulation. Price is \$79.95, factory assembled.

Another Allied innovation is the Knight-Kit KG-625 6" VTVM kit with  $\frac{1}{2}$ -volt full scale DC range and separate color correlated scales for 1.5 and 5 volt RMS, 4.2 and 14 volt P-P AC ranges. The 200 microamp meter has a fluorescent knife edge pointer. Price is \$34.95 (also available factory assembled for \$51.95).

The PM5A power meter is something new on the CB scene from M&D Products, P.O. Box 523, Fort Davis, Texas 79734. It is designed to measure RF power output of CB rigs and contains a 50 ohm dummy load built-in. The meter is calibrated for 5 watts full scale. Each unit is tested for accuracy within a 5% tolerance. The Model PM5M is similar, but also measures modulation as well as power.

So many of you have written to ask about curing ignition noise in mobile units equipped with alternators, we went out and dug up a solution

to your problems, it's the Electro-Shield Alternator kit from Estes Engineering Co., 1639 West 135th St., Gardena, Calif. 90249. Write to them for details, prices, etc.

An electric engraving tool which writes on metal like a pencil writes on paper is now being produced by the Meredith Separator Co., 101 Sharp St., Cleveland, Mo. 64734. Known as the *Porcupine*, the unit is ideal for engraving your name and call sign on CB gear to protect it from theft, and even on hub caps and wheel covers. This is an ideal item for CB'ers, and at \$14.95, it's a natural for a CB club to purchase for the use of the members.

## S9 Lab

# Reports

### HALLICRAFTERS MODEL CB-12

It seems that every time we turn around these days, a new piece of transistorized CB equipment appears on the market. One of the latecomers among this increasingly popular trend is the Hallicrafters Model CB-12 Transceiver.



The CB-12 shown mounted on the P-12 base-station pedestal AC power supply on which channel-identification write-in labels are provided.

It is a completely self-contained unit, including power supply, with solid-state circuitry used throughout to provide up to 12 crystal-controlled transmit and receive class-D channels, instantaneously switched from the front panel. It is very compact, making it easy to find space in which to conveniently mount it in a vehicle whether it be a car, truck or a boat. Another feature for mobile operation is that the low current requirements, made possible by the use of the transistorized gear, minimize the possi-

bility of running down the battery when "fixed"-mobile or portable-station use is required.

The CB-12 also may be used as a PA system, for paging or as a "hailer" such as may be needed on construction projects, with farm work or for calling between boats.

Operation is not limited to mobile work, however, since a 117 v.a.c. power supply is available for use with the CB-12 at a base station.

### CIRCUITRY

The CB-12 uses 14 transistors, 7 diodes and 2 Zener voltage regulators. The receiver is a superhetrodyne using dual conversion to provide high image rejection, while at the same time realizing excellent adjacent-channel selectivity. The receiver sensitivity is rated at less than one microvolt for a 10 DB signal-to-noise ratio.

A full-time series-type automatic noise limiter is included to reduce impulse or ignition noise interference, and a squelch system provides receiver silencing during standby or no-signal periods. The receiver audio-output power, from a push-pull amplifier, is rated at 3.5 watts and is applied to a good size oval-shaped loudspeaker that is mounted on the side of the case.

The transmitter has three stages; a crystal oscillator, a buffer/driver and the final output amplifier. The input power for the final is the maximum legal limit of 5 watts. High-level modulation is used and both the driver and the output stage are modulated to provide the best modulation capabilities. The modulating power is obtained from the AF power-output amplifier stage of the receiver.

Dual Pi-matching networks are used between the driver and final and between the final and the antenna. This ensures excellent t.v.i. suppression which is rated at 80 db minimum. The output circuit is designed to match loads of near 50 ohms. A high-capacity ceramic microphone with a push-to-talk button is supplied with the CB-12.

Third-overtone crystals (type CR-81/U, .005% tolerance) are used in the unit. Two crystals are required for each channel, one for receive and one for transmit. The corresponding crystals for each channel are simultaneously switched by a panel selector that has a dial marked in letters from A through L.

PA operation is obtained by plugging an external PA speaker, or coaxial projector-type speaker, into a jack on the rear of the unit, turning the squelch control all the way to the PA position, and depressing the PTT button while speaking into the mic. The transmitter does not go on during this operation. Only the external speaker will work for PA service, but when the mic button is up, both the external and the internal speakers will reproduce the receiver output, thereby providing standby monitoring either at the set or at a remote location at the same time.

A power supply for use from a 12 VDC power source is built directly into the unit. Operation in this mode is for negative ground systems only. For base-station work with a 117 VAC source, a "pedestal" power supply is available that furnishes the necessary 12 VDC voltage to operate the CB-12. It is designed to be used as a

tilt-up base for the transceiver and on the front of it are located blank write-in tabs with a letter at the left end of each, corresponding to one of the twelve positions on the channel selector, so that the channel number, for which the crystals are installed at the different positions, may be marked for ready identification.

The Hallicrafters CB-12 is nicely constructed with a chrome-finished panel that is simply laid out with only the necessary operating controls at hand. Overall dimensions are only 2 $\frac{3}{4}$ " H. x 6" W. x 9 $\frac{1}{2}$ " D. The set is built entirely on one printed-circuit board, rather than in stacked sections. This provides convenient accessibility which together with an uncramped layout, should make servicing relatively easy. In addition, the case does not have to be removed for adjustments in the field, because access holes are provided at the bottom where required for the purpose. The manual for the CB-12 includes more than the usually furnished amount of information regarding servicing, alignment and test procedures. Particularly nice is an "X-ray" view of the printed-circuit board which shows the location and the connections for all the components installed on it.

### PERFORMANCE

The performance of the CB-12 measured up to specifications. The transmitter produced 3 watts of carrier output power, and modulation limited to about 90 percent with good audio quality.

The receiver functioned nicely with adequate selectivity and good sensitivity. The noise limiter worked fine and in general, the operation of the squelch was satisfactory, although adjustment right at the threshold for weak signals was a little critical, and releasing the mic button at the end of a transmission, sometimes caused a "pop" in the speaker. Operation in PA service worked out well, but like most gears having a similar PA feature, there is no mic gain control, so when a reduction in mic level may be desired, such as that needed to eliminate feedback, the manual recommends the installation of an external L-pad level control in the line between the p.a. speaker and the set. Current drain on receive is only .22 amperes and on transmit it is 1 ampere with maximum modulation.

The Hallicrafters Model CB-12 comes with ceramic PTT mic, mobile mounting bracket and one set of crystals for channel 11. The P-12 base-station pedestal power supply for 117 v.a.c. operation is optional, as is the HA-3 electrical noise suppression kit to eliminate the radiation of noise generated in the electrical system of a vehicle.

The manufacturer of these items is Hallcrafters, Inc., 5th and Kostner Avenues, Chicago 24, Illinois.

### KNIGHT-KIT C-560 C.B. TRANSCEIVER KIT

It's not often that you find a kit for building a CB rig, so if you want to save some money, have the fun of putting your own gear together, maybe learning something about what makes



The Knight-Kit C-560 CB Transceiver.

your set tick, enjoying the satisfaction of seeing your own handiwork in operation and having a good piece of equipment besides, then you should be interested in the Knight-Kit C-560 Citizen's Band Transceiver kit.

It is a versatile set that has provisions for 6 crystal-controlled transmit and receive channels together with the selection of manual tuning, through all 23 channels, chosen merely by the flick of a switch.

The receiver is a superhetrodyne with a Nu-vistor RF stage for high sensitivity and low noise, 2 stages of 1650 kc/s IF for high image rejection and low background noise, automatic gain control (AGC), adjustable squelch, automatic noise limiter that can be switched in or out, dual-scale illuminated meter automatically switched to read receiver S-units or transmitter relative-power output, and 2.5 watts of audio power with built-in loudspeaker.

The transmitter operates at the maximum legal input power of 5 watts and it can be fully modulated 100 percent. Two panel indicator lamps tell you when you're modulating normally or if you're overmodulating, so you're assured of high speech level with a "sock" that is clean at all times without causing splatter. A frequency-spotting position is provided so you can set your manual-tuning dial, for the receiver, exactly on the channel frequency according to the transmitter crystal for the channel. A noise-cancelling ceramic microphone, with a push-to-talk button, is supplied with the kit. The built-in universal power supply allows operation directly from 117 VAC for base-station work, or from 12 VDC using a solid-state d.c. power converter (power-switching transistors) for mobile or marine use.

### ASSEMBLY

Even if you've never done radio soldering before, by following the soldering instructions in the assembly manual and with a little practice, you should be able to easily master it. As for the assembly and wiring, the instructions are so easy to follow, that it's hard to see how you could go wrong with the various steps in putting the unit together, so c'mon and try your hand at building the C-560. It'll take you upwards of 25 hours to do the job, but the work is made

**FOR \$99.95**  
**YOU CAN BUY A CB KIT**  
**AND SPEND HOURS SOLDERING**  
**TEENY-TINY CONNECTIONS,**  
**AND POURING OVER DIAGRAMS**  
**AND LOSING PARTS**  
**AND SCREAMING AT YOUR KIDS**  
**OR...**

### BUY A PACER (and be on the air in seconds)



You've never seen an American made transceiver like this. Pacer not only comes fully assembled, you get eight crystal-controlled channels. And a 23-channel, tunable, superhet receiver (just like the high-priced spreads). Plus plenty of other important features: positive squelch control, illuminated "S" meter, spotting switch, ANL, quick-change external crystal socket.

But that's only half the story. Pacer comes complete with everything you need for base or mobile operation (AC and DC power cords, mobile mounting bracket, PTT mike). And you get all this for less than \$100. Put away that soldering iron. Put your money in a Pacer.

Complete and ready to operate . . . . . \$99.95

### NOW... GET STARTED IN CB FOR JUST \$74.95

Here's everything you need to get on the air in one low-priced package. Our Mustang features six-channel crystal-controlled transmit, and a 23-channel tunable receiver. Other features include: PTT mike, positive squelch control, ANL, built-in speech clipping. Complete, ready to operate, AC cord . . . . . \$74.95



**METROTEK ELECTRONICS, INC.**  
*a subsidiary of Regency Electronics, Inc.*  
 7900 Pendleton Pike • Dept. S-8 • Indpls., Ind. 46226

relatively easy with the clearly given instructions and with the diagrams that are conveniently shown right alongside of each page of steps with which they are concerned, a feature that eliminates the need for thumbing through other pages of material or wending your way through cumbersome external drawings to find the one you need.

Resistors and capacitors are mounted on cards with identifications marked as to their value and component number. You don't have to wade through a pile of these parts to find the needed one. Other parts are easily recognized by referring to a large "parts identification" sheet showing photos of the various other components.

The most difficult section, the receiver "front-end" with the r.f. stage, oscillator and mixer, is already put together and wired on a sub-assembly, so all you have to do is screw the assembly in place and connect a few leads to the rest of the set.

The wires used for interconnections between parts are color-coded to identify the various lengths for which they are pre-cut and trimmed, so you don't have to do any measuring or cutting of wire. A pre-assembled harness also is included in the kit.

Alignment or adjustments of the transceiver should not present any problems, as this may be done with or without test equipment. You don't need a lab full of test gear to get the set going.

A clever bit that the Knight people have included in the assembly instructions is that every so often, following a series of steps, they suggest that you not only check the preceding work,

but also that you set the work aside for a while and rest a bit; in fact, they recommend that you spend no more than 2 hours for each building session. This minimizes the chances of becoming weary, makes the work more pleasant and avoids the possibility of errors. In respect to the latter, we'd like to put in our own "two-cents worth" and suggest that you read the instructions for each step carefully and "think it through" thoroughly before proceeding.

### SPECIFICATIONS AND PERFORMANCE

Now, after you've built the C-560, you'll have a piece of gear that carries the following specifications: provisions for 6 switch-selected crystal-controlled transmit channels using .005% 3rd overtone crystals, 5 watts input power to transmitter with 3 watts carrier output, high-level plate and screen modulation up to 100 percent with 12 watts peak-envelope output power, 50 ohms output impedance.

The receiver sensitivity is rated at 1/2 microvolt for a 10 DB signal-to-noise ratio with adjacent-channel rejection of 50 DB and a selectivity of 6.5 kc/s at 6 db down. Six crystal-controlled receiving channel positions are available or manual tuning may be used for all 23 channels. AF output power rating is 2.5 watts. Power consumption with 117 VAC source is 70 watts, with 12 VDC the current drain is 5 amperes.

The model we assembled measured up closely to all the ratings except the receiver selectivity

*Continued on page 71*



**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

# IF THE RCA MARK VIII C-B TRANSCEIVER IS SO GREAT AT \$114<sup>95</sup>\* ...



- 9 crystal-controlled transmit and receive channels
- Tunable receiver for reception of 23 C-B

channels; dial marked in both channel numbers and frequency

- Exceptionally good voice reproduction
- Highly selective superheterodyne receiver with one rf and two if amplifier stages
- Electronic switching—no relay noise or chatter
- Illuminated “working channel” feature
- Light and compact—only 3½ inches high, weighs only 8 pounds with mike; fits easily under the dashboard of even a compact car
- Improved Automatic Noise Limiter to reduce effects of ignition and similar interference

# ...HOW COME THE NEW MARK NINE IS WORTH \$20<sup>00</sup>\* MORE?

*It has all the Mark VIII features—PLUS these additional features...*

- Combination “S” Meter and Relative RF Output Meter. “S” Meter indicates the relative strength of incoming signal in “S” units. RF Output Meter (EO) indicates relative strength of the signal being transmitted.

- Spotting Switch. Permits precise manual tuning of receiver without use of receiver crystals. Receiver can be tuned (or “spotted”) quickly to any incoming channel for which you have a transmit crystal. This means, when you buy crystals for extra channels, you can (if you wish) omit the RECEIVE crystals and buy only TRANSMIT crystals. This feature alone pays the price difference if you use a number of channels.

- External Speaker Jack. Lets you connect an external speaker to the set, so incoming calls can be heard in remote locations.



GET THE FACTS. Write for free descriptive folder on either the Mark VIII or Mark Nine to: Commercial Engineering, Department H132R, RCA Electronic Components and Devices, Harrison, N. J.

Available Through Your Authorized RCA C-B Radio Distributor



The Most Trusted Name in Electronics

\*Optional distributor resale price.

# HANDSOME CALL-LETTER BADGE

Free WITH A SUBSCRIPTION  
TO S9

**\$2.00 VALUE**  
FREE with  
2 year sub or  
3 year sub

**KBG4303**

**TOM**

Actual Size

**KBG4303**

**\$1.50 VALUE**  
FREE with  
one year sub

Actual Size

Your choice of many different colors on your personalized badge. Ideal to wear at conventions and jamborees.

## Style #

- 11 Black with White Letters
- 12 White with Black Letters
- 13 Red with White Letters
- 14 Blue with White Letters

## Style #

- 16 Yellow with Black Letters
- 20 White with Red Letters
- 22 Green with White Letters
- 23 White with Blue Letters

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 \_\_\_\_\_  3 years at \$13.00

Address \_\_\_\_\_  NEW

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  RENEWAL

Call to be engraved \_\_\_\_\_ Badge Style # \_\_\_\_\_

I have a subscription to S9, please send badge only.

\$1.50 incl.  \$2.00 incl.

# CB CHIT-CHAT

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

Address correspondence to:

**JOHN KREJC, KB18077  
60 DIVISION AVENUE  
GARFIELD, N. J.**

## A.P.R.E. BULLETIN BOARD

New appointments to the A.P.R.E. Staff this month include: Michael J. La Versa, Sr., 36 Marietta Street, North Adams, Mass. With the above appointment, this brings the Area Public Relations Editors Staff to the grand total of 150.

## CB AGAINST THE MISSISSIPPI RIVER



Pictured above dispatching men and trucks in Winona, Minnesota's CD Communication Chief Roy Evett 16W-3320 at his CB unit in Civil Defense Headquarters during the recent flood emergency in Winona. Roy put in more than 400 hours on the air curing the emergency.

On Friday, April 16, 1965, at 6:00 A.M., the quiet river town, Winona, Minnesota, of 25,000 was on the brink of a fight for its life. At this early hour, the local civil defense was called out to begin a long and hard 13 day fight against the mighty Mississippi.

Winona is used to this annual occurrence of the river over flowing its banks, but no one expected it to be so high. Radio Communications Chief of Staff, Roy Evett (16W3320), got members of the Hiawatha Citizens Radio Club Inc., who are members of the local CD radio group, to start their job of providing a vital communications link between CD headquarters and the 8.5 miles of dike to be erected. The first few days were hectic, the contractors, as well as the CB'ers, worked around the clock to protect the city. At times as many as 5,000 men and 1,500 pieces of heavy equipment were in use.

In the next few days the mayor (KLF1986), declared the city in a state of emergency. A few days later the President of the United States declared some 39 counties of Minnesota, Winona being one of them, a disaster area.

Approximately one and a half million sand bags were used on the cities dike system. One store catering to the flood workers sold over 800 pairs of hip boots in a few days and had its entire stock of life preservers bought out in a few hours.

The flood stage is 13.5, but the river crested at a record 20.75 feet.

Through all this the CB'ers stood fast. They used channel 9 around the clock, in fact some of the guys worked up to 48 hours without relief. A few guys got into a spot and couldn't get out. The only quick ways they could get supplies was by duck-boat or helicopter. In the end, three operators. Larry Peterson (KGE0085), Otto Meisch (KGF0265), and Mike Deep (KNF0093) were forced to set up "house-keeping" on the dikes. They stayed ten days, around the clock, to keep the communication equipment in operation.

The Salvation Army and the Red Cross also played their

parts. They had CB rigs installed at their respective headquarters and used channel 18, so as not to bother the CD boys on channel 9. This arrangement proved to be very helpful. Mobile units on the dikes called "Eagle Control" (Civil Defense Headquarters), which in turn called the Red Cross or Salvation Army on channel 18, thus getting food and coffee to the toiling workers with a minimum of effort and confusion.

The local CB'ers really turned out in force. Units from many neighboring towns, some as far as 40 miles away came and helped out. Some guys who hadn't been heard on the band for months answered the call. The mayor who had his rig in his boat, had it transferred to his car and the city engineer had one put in his car, thus "Eagle Control" was in constant contact with these two very important men.

The channel was never "dead" for long. Orders were sent in for everything from raincoats to new radio tubes. What ever the request, George McGuire, local Civil Defense Chief, provided.

Twenty-four hour dike patrols were set up with army field phones set up along the various dikes. These phones led to a CB mobile unit, and when ever a "boll" or other trouble spot was located, the men on the patrols called in by field phone to the mobile units, who in turn relayed the information to "Eagle Control." From here men and equipment were quickly dispatched to eliminate the trouble before it became a major problem.

There was also an amateur hook-up at Civil Headquarters which kept us posted on situations taking place elsewhere along the river. Once again, proving that CB'ers and Hams can work together, each handling a job the other can't.

As I was going off duty after a 28 hour run I heard a contractor say, "I don't know what we would do if we didn't have those guys with the two-way radios."

## SOUTHERN

The East Coast Surfing Festival at Cocoa Beach over the Easter Holiday week-end attracted thousands of young people to the beach. To help coordinate the surfing events and to keep tabs on possible trouble spots, members of the newly formed Sandollar CB Club and the Cape Canaveral CB Radio Club stood by their radios day and night. Because of the tight radio net, no incidents were reported. The radio clubs worked hand-in-hand with the Cocoa Beach Jay-Cees, sponsors of the event. Gary Evans, KKP3053, is president of the new Sandollar Club.

The CB Rangers of Brevard County, has recently been organized for assisting the law enforcement agencies of the area. Director of the Rangers is Ralph Mercer, KKP4875. The group consist of 35 volunteer members who are ready to give their time, gas and effort, asking nothing in return. The group works directly with the Sheriff's Dept. and the four municipal police departments when needed. The Rangers are also members of Brevard County CD Unit. The group has participated in a number of search and rescue missions and is credited with the spotting and following a vehicle used in an armed robbery within 15 minutes after the crime was committed.

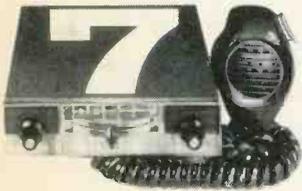
## PACIFIC

For the fifth straight year N.A.C.R.A. (Northwest Area Citizen's Radio Association, Inc.) of Bellingham, Washington, will be the radio group providing communications for Bellingham, Washington's BLOSSOM-TIME Festival. Members working on the parade will be Jim Leverett, KLD0237, Chairman; Frank Cook, 14W2257; Frank Williams, KLD1101; Bill Howell, KFJ2357; Allen Hart, KFJ2182; Larry Neil, KF11763; Joseph Macari, 14Q0011; Alfred Hicks, KID1176; Gene Parmer, KFJ2054; Anacortes, Washington; and Howard Pate, KF11604, and Cal Conley, KFI0264. The festival is on the eighth of May, each year, and is international in flavor with marching units and military

**RAY-TEL** BY **RAYTHEON**



**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 _____	
City _____		State _____	Zip Code _____

**RAY-TEL**

213 E. Grand Ave., So. San Francisco, Calif. 94080



Above photo left to right—William J. Purdy, Sr., Manufacturers Representative for Hallicrafters Co.; Norene Juslin, palio victim; and Warren Manley, Chairman REACT of the Golden Gate Area. Photo courtesy of Donna Starr.

representation from Canada, only seventeen miles away from Bellingham.

Also, for those CB fans that will be traveling Highway 99 on their way to Canada or the northwestern United States, NACRA has decided to change their monitor channel from channel 4 to channel 12, in line with the new FCC rules and regulations. Anyone wishing a callbook of the area may arrange to receive one from NACRA, for the cost of a self addressed envelope and a newsletter from their club. The books are commercially printed, and are bound with glossy covers imprinted with the name of NACRA. A great thing for any traveler going to Washington State during the summer. A group picture of your group may be substituted for a newsletter in case your club don't print a letter.

The earthquake that severely damaged the Puget Sound region of the state of Washington did severe damage to buildings, but CB operation in Western Washington was unaffected, although telephone circuits were plugged and overloaded with calls for nearly two days following the quake. The NACRA Civil Defense unit was ready to be activated with several mobiles and emergency base stations had the quake continued.

The officers of the Tacoma Citizens Band Radio Ass'n, Inc. for this year are: Harold Lidren, President; Harry Sanders, Vice-President; Elaine Kloppel, Secretary; Doris Anderson, Treasurer; the Board of Directors: Lew Hull, Larry Ames, Pat Rock, and Joe Drazga. We have a Search & Rescue Unit which works with the Pierce County Sheriffs Department.

We meet every second and fourth Monday of each month at the South Tacoma Odd Fellows Hall, 5437 1/2 So. Tacoma Way at 7:30.

Our club newspaper is the TACBRA CB News, Editor—Bill Wagner.

Our present membership as of May 1, 1965 is 39.

The Tacoma Citizens Band Radio Ass'n, Inc. is a member of the Washington State Citizens Band Ass'n. All visitors and guests are welcome.

The Bayview Citizen Band Club members and guests enjoyed a spaghetti feed held previous to the election of officers at the May 4th meeting. There were about 65 in attendance. The spaghetti was prepared by our Chef Fred Doty. Cecelia Munoz donated a pair of pillow cases won by Art Blomseth, KFD3953. Bee Armbrust also donated a piece of her hobby, a stein won by Shirley Conklin, KLA5669.

Then on a full stomach the members were asked to mark their ballots. The newly elected officers are: President, Peter Gill, KNA1270; Vice President, Lee Armbrust, KNA0394; Secretary, Ruby Gnade, KFD-5660; Treasurer, Henry Conklin, KLA5669; Sgt.-of-Arms, Frank Munoz, KLA0821; Board of Directors: Ray Gnade, KFD4584; Rosemary Gill, KLA0940; Wm. Ragsdale, KLA5706.

The club monitors channel 11 with a membership of 40 and growing fast. Meetings are held the first Tues-

Is it time to renew your S9 subscription?



Here Herman Oltersdorf is seen at the mike button of his Citifone 23 which was presented to him by his many friends in CB land in the area of Ypsilanti and Ann Arbor, Mich. on his 70th birthday.

Herman KHG0553 monitors 9 and lives at 1895 S. Emerson, Ypsilanti.

day of the month at the UAW Hall in Milpitas. Visitors are always welcome.

On April 24th REACT of the Golden Gate area held a benefit dinner for Norene Juslin, KNA1566. Norene was stricken by polio eight years ago and has been completely paralyzed until just a few months ago at which time she regained some use of her arms and hands. Norene's case was brought before our team by one of our members who came in contact with her through church social work. It was placed on the floor at our regular membership meeting and much discussion was carried on as to how we of REACT could best be of help to this young woman. Finally a decision was reached and a vote was taken to have a benefit dinner to raise funds enough to purchase for her Citizens Band radio equipment. In the meantime some of our team members paid visits to Norene to get her acquainted with us and the idea of being able to make new friends with the help of a two-way radio. We also felt it would give her something to do other than spend her days with nothing but time on her hand. After hearing many things about CB radio her first statement was quote "To think a person in my condition being able to be of help to someone else." So the idea was born and now it was starting to blossom into what we visioned as a new and bright look ahead for Norene. Signs were printed, posters were made and all of them as well as CB was used to let everyone know of the dinner and its purpose. Information about the dinner was carried across ten states as one of our members traveled and talked across them. The word was out and the day of the dinner was at hand, CB'ers came from the entire Bay Area. It was a great success, fun, food, and prizes were had by all, then the following week we contacted the William J. Purdy Co., Hallicrafters Manufacturing Representative for the San Francisco Bay Area. Some of the members met with Mr. William J. Purdy, Sr. at which time he not only offered to furnish the radio but a new antenna and table mike along with it. Well the planning started all over again, not only would we ask Mr. Purdy to make the presentation of the new Hallicrafters GB-12 to Norene we would also have another special orientation meeting and again invite the North Bay Police Departments, Civil Air Patrol and our friends the U.S. Coast Guard. The night of the meeting May 11th, four city police departments were represented by Chief Russell Cunningham, San Bruno, Lt. J. D. Walsh, Daly City, Lt. Harold Bogan, San Mateo, and Sgt. O. R. Shipley, Pacifica Police Department. Also Ensign D. A. Meadows of the U.S. Coast Guard Communications Branch 12th District and Capt. Donna M. Starr, Pacifica Squadron 102. Mr. and Mrs. William J. Purdy, Sr. accompanied by Mr. Earl Larson of W. J. Purdy Co. were also present with Mr. Purdy, Sr., making the presentation of the Hallicrafter to polio victim, Norene Juslin. After the presentation was made the guests were informed of the services and communications capables that REACT of the Golden Gate Area has to offer the police and fire departments and how on many occasions we have aided the Coast Guard. They were also informed of our monitoring services

# 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



**RADIO EXCHANGE**

18 NORTH LEE, OKLA. CITY, OKLA.

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



## TWO NEW

### PART 15 ANTENNAS

\$12.95 Each Mo. Res. Add 3% Tax

Now take your choice. Two new antennas for Part 15. Go horizontal or vertical. Both antennas 60" long. All aluminum construction. Top loading assures maximum efficiency. Mounting bracket and all hardware included. Instructions on how to convert your CB set to Part 15 operation included. Switch allows use of 5W or 100mw. Also available, miniature ground plane 30" high for part 15 or inconspicuous CB operation, \$14.95.

Dealer inquiries invited.

**TERRY ELECTRONICS**  
P.O. BOX 121, ST. CHARLES, MO.

### 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.**

Store Name Of Club - Team - School

Send 35¢ For Catalog and Assorted Emblems.

*American Knitwear and Emblem*  
PLAISTOW 14, N.H.

### 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.

## PHONE PATCH MODULE



This is a complete, sealed-circuit module that provides a means for connecting your telephone lines to your rig, tape recorder, amplifier, etc. So small that it can be built into a telephone.

### PHONE-PATCH TELEPHONE —

New, highly styled telephone with a built in, high quality phone-patch. This unit can also be used as an extension telephone for your shack.

**EASTERN ELECTRONICS, Dept. S-8**  
708 EAST TREMONT AVENUE, BRONX, N. Y. 10457

Please send me:

- Phone-patch module(s) @ \$9.95 ea. ppd.  
 Phone-patch telephone(s) @ \$29.95 ea. ppd.  
 Telephone(s) only without phone-patch @ \$17.50 ea. ppd.  
 Further information on the above

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

N.Y.C. Residents please add 5% city sales tax.  
N.Y.S. Residents please add 2% state sales tax.



This is a picture of the CB in ACTION award winner Mr. Howard S. Hatt, KLM0649, being presented his Companion II by a company representative.

and how they have been of aid to hundreds of motorists on the freeways, highways, and city streets.

It was asked that those who are not aware of our services to consider them with serious thought and a chance to help them also, then they would know that REACTORS do not REACT to all types of needs and emergencies not only nationwide, but Golden Gate Area wide.

### EXTERIOR

The Midnight Sun CBees hold their meetings the 1st and 3rd Fridays each month at the service club at Eielson AFB, Alaska. Interested CB'ers in the area should contact: Vernon Grimm, KKH2397, Box 844, Seattle, Washington 98737. Presently the club monitors channel 9, 24 hours a day. Also, the unit is awaiting their REACT Charter.

The Citizen Banders here in Hawaii do have a "Title with the OCDA," Oahu Civil Defense Agency. The name is: "OAHU CIVIL DEFENSE CITIZEN BANDERS RADIO COMMUNICATION SERVICE," which are volunteer citizen banders.

U.S. Civil Defense exercise launched.

This is an imaginary schedule of events, conducted once a year as a Civil Defense exercise:

Today, the President will declare that world wide war is imminent and a state of extreme emergency exists.

Evacuation of civilians living near Island military bases, especially Pearl Harbor, will get under way.

State and city officials will leave their Honolulu homes and offices to man Civil Defense posts.

Sunday, the bomb will drop. Only about 450 people will be aware of it all, however, since it is all—and fortunately, only—an exercise, directed by the State and City Civil Defense authorities.

The annual exercise, which is organized to test all facets of local operation under an enemy attack, has been under way for over a week.

The annual exercise, the climax will not be Sunday, the day a fictional five megaton nuclear bomb hits Pearl Harbor, kills 60,000 people, injures over 100,000 others and blankets most of the State with radiation.

"This year we are concentrating on recovery we could make after an attack," therefore, the operation will go into high gear Friday, May 21, 1965, explained Robert A. Hopkins, City Civil Defense official.

Next Friday, the 450 persons (150 CB mobile and 3 CB base units)—who would be the ones to make order out of chaos if there ever really were a bomb—will man their emergency posts for eight hours. Starting from 0330 HST, 1300 (Z) to 1100 HST, 2100 (Z).

They include city and state department heads, rural plantation officials, amateur radio operators, citizen banders and various private emergency organizations.

Mayor Neal S. Blasdell will command the main disaster headquarters at Birkheimer Tunnel but there will also be rural area commands at Kailua Corporation Yard, headed by Robert Ellis, City Managing Director at Waialua by Harry Taylor, Waialua Plantation manager and at Ewa, by Frank Wiley, manager of Ewa Plantation.

Those men and their assistants will meet such problems as thousands of injured or refugee people, shortage of water, contamination of food supplies, overcrowded shelters, communication failures.

When experience counts, it's \$9 every time!

The problems will all be originated in the minds of the regional officials of the Federal Office of Civil Defense, who will observe the exercise and evaluate it. They are the ones who thought up the whole grisly game for local officials to play.

"It isn't pleasant to think about," said Hopkins, a retired Navy commander. "With any luck the public won't even notice that the exercise is going on. They won't have to even think about it. "But someone has to."

The 150 CB mobile units and 3 base units will report to the Oahu Civil Defense Citizens Banders Radio Communication Service headquarters to be assigned to each individuals operating site which is the fall out shelter are throughout the City of Honolulu.

At the Birkheimer Tunnel are the three CB base units which each district who report from their mobile units to Birkheimer Tunnel.

The following are the Operational Staff of the Oahu Civil Defense Citizen Banders Radio Communication Service.

State Civil Defense Director for citizen banders: Mr. Francis Aki Ching (21W0326), Ass't State Civil Defense Director for citizen banders: Mr. Murray English (K1G0130), Secretary: Mr. Melvin Fong (KLS-0113), Personnel Officer: Mr. Charles Kuia (K1G0168), Correspondent: Mr. Joseph Mero (KLS0027).

Honolulu Area Command: I, II, III, IV

District I—District Coordinator: Mr. David Kauhi (KLS0123), Ass't Coordinator: Mr. William Kelekolio (K1G0170)

District II—District Coordinator: Mr. John Lau (K1F0184), Ass't Coordinator: Mr. Samuel Kuala (K1F0171)

District III—District Coordinator: Mr. Cecil Hera (KLS0088), Ass't Coordinator: Mr. Richard Hirashiki (KLS0152)

District IV—District Coordinator: Mr. Levi Perkins (KLS0163), Ass't Coordinator: Thomas Missman (K1F-0139)

Rural Area Command I, II, III

RAC I—District Coordinator: Mr. John Balaz (KNS-0044), Ass't Coordinator: Mr. Shimamoto (K1F0193)

RAC II—District Coordinator: Mr. Arthur Gomes (K1F0119), Ass't Coordinator: Mr. George Paku (K1F-0110)

RAC III—Section I: District Coordinator: Mr. Francis Low (21W0292), Ass't Coordinator: Mr. Manuel Torres (21Q0113)

RAC III—Sector II: District Coordinator: Mr. Wallace Perry (K1G0266), Ass't Coordinator: Mr. Arthur R. Tanaka

### WESTERN

The Friendly Five CB Club, at American Fork, Utah has grown throughout Utah County to such an extent; that it has been sub-divided into separate City Groups under the auspices of REACT.

Each city has a group leader, and each county has an area coordinator, to tie all city groups together into a tightly knit county group known as the "Utah County REACT Composit Team," for Utah.

Regular drills are held at least once each week, on days and hours suitable to each local city group.

Members of REACT in this group, who do not use the phrase "This is REACT," when signing off, automatically lose their privileges, except for actual membership and their active status in the County Group.

The Squaw Peak Chapter elected as of May 12, 1965 to have only one meeting a month with one recreation outing in place of the missing meeting. Squaw Peak Chapter meets every other Wednesday at 8:00 p.m. in the Veteran's Memorial, 440 S., Orem, Utah.

The Mountain Airs CB Radio Club, Manitou Springs, Colorado, is currently undergoing incorporation proceedings. It is anticipated that the incorporation will be completed by the end of May.

Denver area and Colorado Springs Area CB'ers got together in May for a Coffee Break at Palmer Lake, Colorado. Denver CB'ers normally hold a Coffee Break each Saturday night at the Old South Restaurant on West Alameda. Several more planned joint Coffee Breaks are planned for this summer.

The Mountain Airs CB Radio Club, Manitou Springs, will be working in connection with the National and Regional LITTLE BRITCHES RODEO ASSOCIATION, June 25, 26 27, 1965. The local CB'ers will be assisting in communications and security for the Little Britches Rodeo to be held those dates.

Denver and Colorado Springs area CB'ers have had several CB rigs and antennas stolen in the last few

## 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 CRYSTALS

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



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

A Division of Whitehall Electronics Corp.

# The No. 1 CB Antenna on The Market Today

## Devant '1'

CB'ing was never like this! . . . . .  
When the DEVANT "1" Came in the picture, countless CB'ers throughout the nation became aware of a real "Power House" of an antenna.

This remarkable base station antenna features 3.4 DB gain; VSWR of 1.5/1 or better, Feed Point Impedance of 52 Ohms, Assembled Weight, 7.5 lbs. Has extremely low angle radiation. Directs the signal equally well in all directions.

This weather resistant antenna is constructed to last, through high winds (wind load EIA Std. of 41 lbs. at 80 MPH), through extremes in weather! Antenna mounting is simplified, just mount the lightweight antenna on the mast, tighten two screws and lock nuts.

Consider buying the best . . . . .

**Net Price \$22.76**

## CB Mobile Antenna

### Devant "2"

For mobile to base operation the ultimate in a communication antenna is the Devant 2. This slim lined Devant 1 companion is designed for rooftop or trunk installation, has an SWR less than 1.5/1 on all 23 channels, requires no tuning.

**Net Price \$14.50**

(For further information write)

**Mosley Electronics, Inc.**

4610 N. Lindbergh, Bridgeton, Mo., 63044.

months. The thieves were even brave enough to climb on one fellows roof to steal his super maggie. The set snatchers have since been apprehended by local authorities—and it proved that some times, there is no honor even among CB'ers.

Vandenberg AFB REACT aided base air police on Armed Forces Day Open House. VAFB REACT had six mobiles on duty patrolling Vandenberg AFB, Calif. All calls went to a centralized base station (KKK4620, Carol Brown).

Total area of VAFB covered was in the area of 80,000 acres. Most patrols drove over 100 miles. Time started 0800 and finished at 1700.

The Concho CB'er Ass'n is 2½ years old and has approximately 100 members. The club recently incorporated and is also a member of REACT. Meetings are held in the basement of the local police station every second Thursday of the month at 8:00 p.m. Monitoring channel 9 and 11. President, Jerry Banghart, KLU-0117; Vice President, John Harrell, KKV4612; Secretary-Treasurer, Shirley Whitely, KKV1080-2; Coordinator, Mrs. William Neeley, KMV3703.

### NORTHERN

At the present time there are over 50 licensed Class D Stations registered with Radiological Defense Communications, presently known as RACOM. RACOM was organized toward the end of 1964, since its inception it has definitely proven that CB Radio is capable and can handle all the necessary communications of Radio Active Fallout data from the various shelters within a given area. Up to this date we have covered a minor training course in the use of Geiger Counters and Decimeters and other equipment and knowledge of how to evaluate on decisions of what the situation is.

I'm happy to announce that as of now the county will begin a training course to cover this very subject. It will run four (4) consecutive weeks at the conclusion of which we will all be registered and receive cards as official monitors for Radio Active Fallout Readings, assigned to the local area of residence with Civil Defense in the county of Nassau. I feel that this was a necessary step to correlate the fact of being able to make readings from the Geiger Counters and also be able to communicate these readings to the necessary headquarters for decision by the capable heads of this service.

I think we can all be proud to know that we intend to care for the populace living in the area we cover. For the purpose of this training course RACOM will not hold meetings for that four (4) weeks period in May—on the following dates, May 4th, 11th, 18th and 25th. The next regular meeting will be held on Tuesday June 1st unless otherwise notified.

The training will take place at the Civil Defense County Control Center in the Nassau County Court Building on Old Country Road in Mineola. The drill we had planned to take place on May 10, 1965 has been held off to a later date for this training. The dates of the training course are as follows—May 3, 1965, May 10th, May 17th, and May 24th at 7:30 to 9:30 p.m. I'm looking forward to seeing all our members attend the four classes and pass with my best wishes for the total success of RACOM.

As of April 26, 1965 at 12:01 a.m. all stations of RACOM will go officially to channel 22 (27.225 meg). Also as of this date we will use CD call and unit numbers for the purpose of intercommunications. It is mandatory that these calls and units be used on channel 22 only. There are no exceptions to this rule. If you do not know your code unit number please contact RACOM headquarters or phone for further information (PI 7-1420).

The Twin State Five Watters, Inc. provided communications for the University of New Hampshire Sport Car race on Mt. Ascutney, Vermont, May 15th and 16th with nineteen members using their units and putting in many hours of their time to help make the race a success. Sunday, May 23rd the club held a Mystery Ride and Family Picnic with seven cars participating. The event was planned by Robert Hunt, KBC3126 and his entertainment committee.

Junior Citizens Band Radio Club. The officers are: Dave DeMotte, KID9556, President; Ron Smith, KNP-0085, Vice President; Cam Tilson, KID8542, Secretary-Treasurer; and Bob Misko, KLP9417, Technical Advisor. We held our first meeting on Dec. 18th and are independent of any other club although we do work closely with the Gateway CB Radio Club. We are made up of the "junior" operators of the area from 12 years and up. Several "communications camping trips" are

planned for this summer. Also, a drive to get two crippled persons on the air is in the process.

The Granite Center 5-Watters, Inc. Rescue Squad meets at 73 North Main Street in Barre, Vermont, on the first and third Wednesdays of each month at 8:00 p.m. The officers are: President, John Tracy, KBC-8723; Vice President, Harold Scribner, KBD2931; Secretary, Harry Applegate, KBC5622; and Treasurer, Alfred Wilder, 1W8876. All of the club members are active members of the Vermont Civil Defense. The club purchased an ambulance last December for a rescue vehicle and all the members have been working on it to get it in tip-top condition. Donations are still coming in to get necessary equipment for the ambulance. The ambulance is going to be at The Thunder Road International Speed Bowl in Barre, Vermont, during race time to assist, in case of any accidents. If anyone is interested in joining the club, contact either the president or vice president, John Tracy, Box 2, Washington, Vermont or Harold Scribner, Washington, Vermont.

The Lancaster Co. CB Radio Club, Inc., Lancaster, Pa. is a "Family Club" with approximately 100 families participating. The club was formed in the latter part of 1959 and became incorporated in February, 1964. Officers for 1965 are: Thomas D. Murray, Jr., President, KCD0409; Richard Rineer, Education Vice President, KCD5609; Robert Allen, Executive Vice President, KCD3746; Peggy Novack, Secretary, KCD-5764; Paul Breneman, Treasurer, KKG0815 and John "Jake" Harsh, Sgt.-of-Arms, 3Q0534. The club meets the last Saturday in the month at the Lafayette Fire Hall. A club newspaper is published monthly and is called the "CHATTER BOX," the editor is Ralph Hendershott.

Jack Sims, President of the Granite State Citizens Band Radio Club announces that plans are now complete concerning their second annual rally to be held Sunday, August 8, 1965 at the Gunstock Mountain Recreation Area in Gilford, New Hampshire, from 10 a.m. until 6 p.m.

The Gunstock Area, a popular year 'round sports and tourist attraction will be making many of its facilities available for the day.

The rally, for all those interested in two way radio communication in the popular 11 meter band, pro-

vides a means for the CB'ers to get acquainted with others from near and far and avail themselves of the many types of equipment displayed by the manufacturers, dealers, and distributors.

The Belknap County Sportsman's Association will run a Bar-B-Cue from 12 to 2 p.m. by reservation at a very reasonable cost for those who plan to stay all day. For reservation information write P.O. Box 503, Laconia, New Hampshire. Camping facilities are also available for those who wish to stay all week-end.

The Five-Eleven Radio Club, Inc., 868 Glass Run Rd., Pittsburgh, Penna. 15236.

This club is the oldest and largest club in the Pittsburgh area. Its first official meeting was March 1960. It was the first to offer a CB picnic, first to incorporate and first to form an Emergency Radio Squad.

This club has a Volunteer Emergency Radio Squad with FCC call number KNP4220. They are available to handle emergency radio communications as requested by local authorities to assist in protection of life and property.

They also advise their 5th Annual CB Family Picnic will be held on Sunday, Sept. 12, 1965 at White Swan Park, Parkway West near Greater Pittsburgh Airport, Allegheny Co., Pa. This is an all day affair with refreshments, entertainment and many prizes.

I have been advised of the formation of a new CB Radio Club in the Pittsburgh area called the North Hills Radio Club.

They meet at the No. 3 Firehouse, West View, Pa., the fourth Thursday of every month and will monitor channel 9, P.S. I will forward more information on this club as soon as available. At the present time this makes the fourth CB club in the Pittsburgh-Allegheny County area.

#### ATLANTIC

At the April meeting of the Virginia Beach CB Club, Joe Holloway, KKK2856 was elected treasurer for the next year. For any emergency on the road it was suggested that members equip their cars with flashers or flares. After a long time without one the club is looking forward to publishing a newspaper again. We hope to see a copy real soon.

The club welcomes new members: Dave Thompson, KCJ9667; Sam Cruz, KMK1345; Thomas James, KMM-

# FREE

*Word sure gets around in the S9 crowd—we gave them out at the International Communications Fair and ever since then we've been swamped with requests from all over the country. Anyway, they're FREE as a reader service of S9—all you do is send us a stamped, self-addressed envelope (make it at least 7 by 10 inches if you don't want your certificate folded). Address your request to "Wall Certificate, S9 Magazine. One to a customer, although clubs may request bulk amounts if an officer writes on the club letterhead.*

*If you throw in a paltry 25¢ per certificate, we will have your call sign boldly imprinted in large block letters on your certificate(s). Order as many as you like, but don't forget to send 25¢ for each one.*

S9 Magazine, 14 Vanderver Avenue,  
Port Washington, N. Y. 11050.

S9 = more news, more authors, more value!



# you asked for it

# TRUE OR FALSE



1. Subscribing to S9 makes the editor rich.
2. Subscribing to S9 saves me all sorts of money.
3. S9 carries more pages of CB features than any other publication of any kind.
4. S9 is run by real live on-the-air CB'ers.
5. A Bugatti won the Grand Prix in 1937.
6. Alexander the Great's horse was named Bucephalous.

Answers: 1) False, S9 gets the same money whether you subscribe or buy from the newsstand, the only difference is that you save the profit of the newsdealer and distributor and we get a bigger subscription list to show to our advertisers. 2) Yup. You save \$1 over the one year newsstand price, \$3 over the two year cost. 3) Natch. 4) No other publication can make this claim. 5) Wrongo, it was won by a Mercedes-Benz. 6) Right. Now fill out the envelope in the rear of this issue, enclose the loot, send it in fast!

1670 and James DeLong, KMK1859.

Winner of the 21" color TV set raffled at the April 15th meeting of the Portsmouth CB Club was Mr. R. E. Hux of Portsmouth, Virginia who was sure glad he was talked into getting the ticket. Given a landline notification he broke all records getting there to pick up the set only to find out that President Bob Weisel, KCI5576 had the set at his home in Norfolk. Herb Simpson, Director of Civil Defense drew the winning ticket, and afterward thanked the club for their assistance in setting up the new Civil Defense headquarters in the Old Library Building. Coming soon to the Portsmouth club: a new clubhouse and a ham station. This club meets the 2nd Friday and the 3rd Thursday of each month and welcomes all visitors.

News of these clubs comes from Robert W. Smith, KKK6249, S9 A.P.R.E. for Tidewater, Virginia.

S9 A.P.R.E. Robert W. Smith reports a double bonus for his first DX QSL. He included a self addressed envelope with his QSL to Radio Sofa but only used an 8¢ airmail stamp. It was returned for more postage which he put on the outside envelope but neglected to open and do same on the return envelope. His report was checked and found correct and with the return mail the QSL and a Bulgarian stamp for his collection. They were heard at 1930 hours EST on 6.07 mcs., 49.42 meters.

The best display of unselfishness I have ever seen took place on Easter Sunday when area CB'ers—both club and non-club members—took part in a clothing drive, sponsored by the Jaycees, for the flood victims in the midwest. The base station was Gordon Mitchell's KCI4692 10-20. Everything went smoothly until an oil storage warehouse close by exploded and knocked out power in a five mile area. Base operations were then moved to a mobile unit but by then traffic was so tied up that the mobiles couldn't get back to drop off the clothes they had picked up. Operations were suspended temporarily until traffic let up. The police were so busy with the explosion that they couldn't even investigate the accident. The power came back on at 6:30 and we resumed the clothing drive. Without these mobiles it would have been impossible to have collected so much clothing in such a short period of time. Monday evening the left over pickups were made and the clothes were sorted out and loaded on the plane for Minnesota. With the clothes goes the best of 73's and the hopes for a happier holiday next year in Minnesota.

TERRAC elected as its new Treasurer Betty Bryant, KKK7179 to fill the vacancy left by Ray Poythress, KCJ9695 who left for duty at the Great Lakes Naval Hospital. Individual members of TERRAC have volunteered their Part 15 walkie-talkies and a PA system to the Mustang Club of Tidewater for use in their Gymhankas. Joint socials are in the wind in the near future. This looks like another step toward good community relations. Welcome to new member Bill Howell, KKK5852.

From Bill Hobbs, KCJ6633 comes news of a new club in Chesapeake, Virginia. Plans for a new kind of Jamboree are in the making for next year already. Robert W. Smith, KKK6249 S9 A.P.R.E. for Chesapeake, Virginia will keep you informed of this and all new clubs in the area.

The month of May has been a busy one for Tidewater, Virginia CB'ers, as all the clubs combined efforts to help collect for United Cerebral Palsy, and did a most outstanding job. UCP President, Robert V. Fishbeck and Executive Director, Mrs. Erma C. Myers stated, that without the help of so many mobile units in so many different locations the drive would have been practically impossible. They, as all Cerebral Palseyed in the area, wish to thank the following clubs for their help: Old Dominion Citizens Radio Club Inc.; Virginia Beach CB Radio Club Inc.; Peanut City CB Club; Portsmouth CB Radio Club; Norfolk CB Radio Club; Tidewater Emergency Radio Rescue and Assistance Club (TERRAC); Dismal Swamp CB Club; CB Assistance Club of Chesapeake, Virginia; Hampton Roads CB Club of Hampton, Virginia.

News of these clubs is from A.P.R.E. Bob Smith, KKK6249.

May 16th the newly formed CB Assistance Club of Chesapeake, Virginia met and installed the following officers: President Charles Williams, KMK1764; Vice President, Lyman Riddick, KCJ8542; Treasurer, Ed Napier, KKK4433; Sergeant-at-Arms, Tommy Gay, KKK0927. Bill Hobbs, KCJ6633 said the club is planning the most spectacular seashore jamboree which is to be held next year. Further news of this jamboree will be published as it develops.

When experience counts, it's S9 every time!

At an outing held at the Elizabeth River Wayside on Sunday, May 23rd by the Dismal Swamp CB Club, President, Jack Lowther, KCJ7865 reports that everyone from 7 to 70 really had a good time pitching horseshoes, playing ball and having their fill of some really good food.

At the May 20th meeting of the Portsmouth CB Club the Reverend Jordan read letters of appreciation and showed slides from the Navajo Indians who the club collected food and clothes for. The club designed float that appeared in the Memorial Day Parade was really nice and a great tribute to our deceased veterans.

News of Tidewater, Virginia clubs is from A.P.R.E. Bob Smith, KKK6249.

At the May 28th meeting of TERRAC club members welcomed back from a tour of duty in Alaska, Ernie Hamel, KKK6014. The club will hold a dinner-dance at the Marine Room of the Giant Open Air Market on July 3rd. This promises to be a nice affair. Welcome new member, Donald Fugate, KMK1938.

If any other clubs have flyers on jamborees and wish news of them passed out please mail them to Bob Smith, KKK6249, 105 Rogers Ave., Norfolk, Virginia 23505.

President of the Frederick County CB Club is Robert Barnhart, KKI3501; Vice President, Don Wickham, KKI2939; Treasurer, John Breeden, KKI4543; Secretary, Jerry Marcum; Chairman of the Board, John Robinson, KKI3031; Legal Advisor, Upton J. Quinn, KCG3805. Meetings are held the 3rd Thursday of the month at St. Timothys Church on Franklin St. in Frederick, Maryland.

### CENTRAL

The Windy City Radio Ass'n Inc. This club meets at 5639 N. Milwaukee Ave. in Chicago. Meetings are held the second Wednesday of every month at 8:00 p.m.

Although this is a relatively new group (formed in July 1964), the membership is a good solid 50 members. Newly elected officers include: President, Ken Sheridan, KHC6287; Vice President, Roger Eder, 18Q-6179; Secretary, Stan Kershaw, KLK3196; Treasurer, Ron Ax, 18A6820; Sergeant-at-Arms include Peter Fabian, KKK8068; Don Grabinger, KLL1346; Frank Bailey, 18A0565 and Marion Wade, 18B4102.

Boasting one of the most colorful newspapers in the country, the editor recommends that all clubs interested in newspaper correspondence, forward a copy of their club news to Vera Eder, Editor, Windy City News & Views, 4818 N. Natchez Ave., Chicago, Illinois 60656.

The Twin Cities CB Radio Club, The Tri-County CB Club and the Communications CB Club had their Get-Together, Get-Acquainted party recently at the Rendezvous Sisters Lake, Michigan. Highlights for the evening were entertainment, games and prizes, refreshments were served by the host and hostesses. News from Stella Hardin, KHG4644.

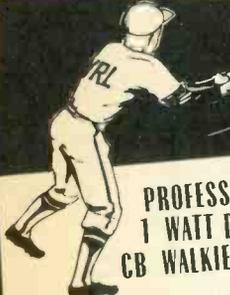
The Jamboree held by the Rock River Valley CB Club on May 23rd, turned out to be a huge success. Jamboree officials estimated the turn out as between 8,000 and 10,000 people. The local newspapers in their coverage of the event set the figure at 8,000. Local area people turned out to see what CB is and what a hard working club could do for its first Jamboree. CB'ers from 16 states, the District of Columbia and Canada also attended the event. The trophy for the farthest distance traveled was won by a CB'er from California. All of this combined to put the Jamboree over in a big way.

The Rockford Police Dept., KLL0989, reported that during the month of April, 40 emergency calls were handled and logged on channel 1. A temporary halt in this efficient system will be in effect until June 15th, due to radio room modifications. After that the Rockford Police Dept. will be back on channel 1 24 hours a day.

**REMINDER**—Meetings of the Rock River Valley CB Club are held on the 2nd Saturday night of each month at 7:30 p.m. in the Home Savings & Loan, Heritage Room, Rockford, Ill. Visitors are always welcome.

The Rock River Valley CB Club is starting to form an emergency patrol. 16 members have already completed a Red Cross standard and advanced first aid course. Another 20 to 30 patrol members are starting the 10 week course on June 15th. After the first aid training police officials are going to give some free courses on traffic control and direction.

The Rock River Valley CB Club has put out an area call book. It contains 85 pages and the numbers of 2,465 active stations in North Illinois and South Wis-



# GRAND SLAM!

**PROFESSIONAL  
1 WATT DELUXE  
CB WALKIE TALKIE!**

- Built-in Squelch & Volume Control
- Built-in Battery Indicator
- Completely Transistorized
- External Antenna Connector for Base Station Use
- WIRED—Ready for Operation
- Ideal Conditions—Up to 5 mi. Range
- FCC License Required
- Supplied with Channel 9 Crystals Only

IN PAIRS  
\$59.95 Each  
SINGLY  
\$64.95 Each

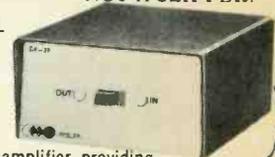
**NEW**



**\*RANGE UP TO  
5 MILES**

**COMPRESSION AMPLIFIER** A TRUE COMPRESSOR  
NOT A CLIPPER!

- CB/HAM/COMMERCIAL USE
- Provides up to 15DB Compression
- All Transistorized
- New Low Price



A true compression amplifier providing unequalled performance. 4 diodes - 2 transistors provide 25DB amplification - 15DB compression **OFFERING HIGHER AVERAGE MODULATION LEVELS.** Easy to install. Compact - 2" x 3½" x 4¾". Requires 9V. Battery (Not Supplied). Wt. 2 lbs. 9-volt battery for above \_\_\_\_\_ 29c

**QUANTITY PRICES AVAILABLE**

**WORLD RADIO LABORATORIES**  
3415 West Broadway  
Council Bluffs, Iowa 51504

**WRL** **WORLD RADIO LABORATORIES**  
3415 West Broadway  
Council Bluffs, Iowa 51504

Rush me your new compressor at \$14.95.  
 Rush me your 1 Watt Walkie Talkie at \$59.95 ea. in pairs.  Singly \$64.95 ea.

Name \_\_\_\_\_ Call \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

# 10-4

all the way...!

NOW... punch through QRM with NEW...

## Waters

### CLIPREAMP™



Give your CB signal up to 4 times the talk-power and intelligibility with new Waters CLIPREAMP. Punch through the hash of QRM with this solid-state clipper-preamplifier. Compact and self-powered, CLIPREAMP connects externally between microphone and transmitter (mobile or fixed station) in just minutes. Front panel control adjusts Compression-Level to individual requirements. At your distributor now.

**\$21.95** (less 9-volt battery)



**WATERS**  
MANUFACTURING INC.  
WAYLAND, MASSACHUSETTS

consin. This book was a great effort and it has turned out beautifully.

Officers of the Live Winer CB Club of Elgin, Ill. are: President, Bill Grozis, KHC2335; Vice President, Dick Wood, KLK6648; Secretary-Treasurer, Betty Mersman. Recently, the club held a dance which was successful.

#### CITIZENS BAND RADIO NOT SO NUTS TO TOM FINN

"He's a CB nut" is the way some people refer to those who own and operate Citizens Band radios.

But to Tom Finn, Citizens Band radio is far from a nutty pastime. It's rather an essential communications lifeline.

Tom has been a quadriplegic for almost ten years. His spine was severed in an auto accident when he was 19. "The past year has been the best of the ten," he comments, "because I've had Citizens Band equipment."

With this personal communications system, Tom talks with as many as 30 other CB'ers in a single day. They discuss sports, books, the weather, CB equipment or any other subject that comes to mind.

In these conversations, Tom fails to mention that he cannot move the lower part of his body nor can he sit up.



Presenting a new Regency Electronics Citizens Band radio to quadriplegic Tom Finn are these members of a Citizens Band Club called the "Dirty Dozen." They are (left to right): Clinton A. Ginn, W. L. Rittenberry and Charles J. Arison.

Tom owes his start in Citizens Band to what he calls his "private ecumenical movement." The Junior Christian Helpers Class (9-11 year olds) at Irvington Methodist Church learned of his paraplegia. They saved money until they had enough to purchase a Citizens Band radio, which these Methodist youngsters presented to Tom, a member of Our Lady of Lourdes Catholic Church.

Tom received his CB license May 5, 1964, and was operating his set May 21st. At first, he simply listened to others talk. He was impressed with their friendly interest in one another and their camaraderie. Doctor spoke with policeman, filling station attendant with attorney, engineer with high school student. No social or income barriers existed in the friendly world of CB.

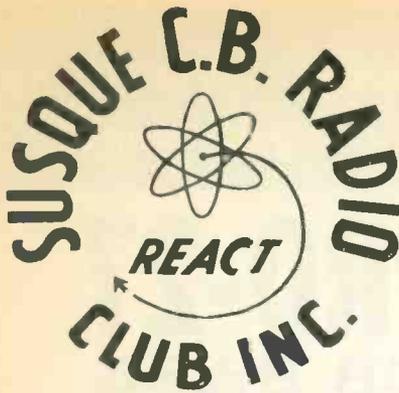
Egged on by his 16-year-old sister, Martha, Tom soon took microphone in hand and began conversing with other CB'ers. He found CB more fun than the old party line telephone service.

In less than a year, he received 1,000 QSL cards from warmhearted Hoosiers and 1,000 more from people outside the state. These cards are used by CB'ers to confirm contact.

The out-of-state cards seem unusual because the effective range of Citizens Band radio is 25 miles. Tom explains, "Many tourists have mobile CB units. They contact other CB'ers as they pass from town-to-town. Frequently, local CB'ers give directions to out-of-towners, helping them find the best way through Indianapolis."

Tom has established many friendships through CB, none warmer than those with CB'ers who call themselves the "Dirty Dozen," "even though," comments Tom, "they're neither dirty nor are they limited to only a dozen since they have more than 100 members."

As friends will do, members of this club learned of Tom's disability. When his old set began to malfunction, club members decided to get him a new one.



At "coffee breaks" (CB owner get-togethers), each member contributed 50 cents to a kitty to buy Tom a new transmitter.

Clinton A. Ginn, Charles J. Arieon, W. L. Tittenberry and other members of the club contacted friends at Regency Electronics, Inc., Indianapolis manufacturer of Citizens Band equipment. They obtained the best set Regency manufacturers.

The new set gave Tom access to 23 channels. His old set had six. The new set had other features Tom especially appreciated, thanks to the thoughtfulness of Don Keever, a fellow CB'er.

Tom has only limited use of his fingers and even the seemingly simple task of turning knobs is difficult for him. So, Don equipped Tom's unit with levers to replace the knobs. Tom can easily operate the levers. Bob Jacobs, another CB friend, made a switch box control for the microphone which Tom lays on his chest and works with ease. Bob also mounted the microphone on a flexible tube so Tom would not have to hold it.

Before giving Tom the new set, members of the club learned that Tom had been out of his home only seven times in nine years, because he cannot sit up and must be transported in a prone position.

They decided to buy a used ambulance. To earn money, they leased a Gulf filling station at 2101 Roosevelt Avenue and manned it with CB'ers.

They soon had their ambulance. "They're making a regular gadabout out of me," says Tom. "They took me to a coffee break and to a Globetrotter basketball game in December, and to four wheelchair basketball games this year."

Tom's mother, Mrs. Earl Finn, sums up her feelings for Citizens Band operators, "They're wonderful people."

To which members of the Dirty Dozen respond, "Tom's pretty wonderful, too. Most of the CB'ers he contacts have no idea he's handicapped." Tom shrugs off such comments with, "I'm all right, I still have full use of my mind."

**S9**



**NEW** SAVE TIME-SAVE MONEY & KEEP AHEAD OF COMPETITION  
because you are always "there" first with

**SONAR FM-40**  
**BUSINESS RADIO**  
Power-Packed!  
Engineered for Rugged Business Use!

Excellent performance, dependability and operational convenience provided by FM-40 reflect the experience and design ability that has made Sonar the undisputed leader in this demanding form of business radio art. Greater

range because of Voice-Power designed circuitry • Compact and lightweight • Easily installed in smallest vehicles • Smartly styled for office use • Noise free squelch for crisp clear communication • Accessory plug for Sonar Call, selective Calling System • Accessory plug for High Power Linear Amplifier • 12 VDC & 117 VAC • Size: 4¾"H x 9½" x 11¼"L. Wt: 10 lbs.



**FOR ADDITIONAL POWER**  
**LINEAR RF AMPLIFIER**  
is a matching companion to cover greater distances with increased transmit power. Available for either base or mobile.

FM-40 Business Radio complete 1 pair of Crystals, Power Mike, Brackets, and 2 power cables

**\$289<sup>50</sup>**

**SONAR RADIO CORPORATION**

73 Wortman Ave., Brooklyn 7, N. Y.

Dept. 411

Please send me information on Business Radio FM-40 and BR-21 matching Amplifier.

Name.....

Address.....

City..... Zone..... State.....

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

# PRO-27

## CB BASE STATION ANTENNA

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

**YOU'VE FOUND IT!**

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

*Be a Pro —  
Use a Pro!*

# COMING EVENT CALENDAR

## SPECIAL S9 JAMBOREE APPEARANCE

A special Jamboree appearance of S9 Club Editor and Mrs. John F. Krejci is planned for the Southwestern Ohio CB Ass'n Jamboree (Third Annual SWOCBA Nationwide CB Jamboree) August 21st and 22nd at Warren County Fairgrounds, state route 48, Lebanon, Ohio. Also tentatively expected to attend is the Honorable Governor of Ohio, James Rhodes. Tentative plans of the S9 troupe, is to arrive August 20th, probably leaving New York 7:20 p.m. and arriving at 9:20 p.m., via the big bird. Planned also, is an S9 booth, displaying the many publications of Cowan Publishing Corp. All A.P.R.E.'s that are interested in attending should contact the Club Editor. Attending will be top entertainers in the Midwest, from WLW-TV, NBC Network and Crosley Broadcasting. Door prizes include: Browning Eagle, Reency Romper, Johnson Messenger 111, Johnson Messenger, USL Contact 8, Vocaline Commaire ED-276, Metrotek Pacer and the Sonar Model E. Eight grand prizes. Contact: Nationwide CB Jamboree, Box 231, Mason, Ohio. Tell Gene, John sent ya. See you all there.

**Bulletin—The S9 troupe will check-in at the Downtown Motel, Lebanon, arriving Dayton, TWA flight 435, 8:37 p.m. the 20th.**

The Oakland Social C-Bees, Inc., 2280 Maple Crest, Pontiac, Michigan will hold their Jamboree, August 14th and 15th.

The Twins Rivers CB Club of Addison, New York will hold their 2nd Annual All State Jamboree, August 7th and 8th at Goodhue Hill Grounds. Contact: Twin Rivers CB Club, P.O. Box 184, Addison, New York.

The Five watters of Lake County, Willoughby, Ohio, are planning a Jamboree, July 30th, 31st and August 1st to be held at the Fairgrounds in Painesville, Ohio. Contact: P.O. Box 489, Willoughby, Ohio.

The Sociable 5 Watts Club will hold their annual picnic, August 28th and 29th at the Big Beaver Fire Hall and Grounds, near Beaver Falls, Penna. Contact: Roy Shetler, Enon Valley, Penna.

3rd Annual West Coast CB Jamboree, August 14th and 15th at Alameda County Fairgrounds, in Pleasanton, California. Dinner-Dance August 14th. Contact: 3rd Annual West Coast CB Jamboree, P.O. Box 1152, Mt. View, California.

Tullahoma Jamboree, July 31st and August 1st at the Big Springs Park, 3 blocks to motel, 6 blocks downtown. Camp area and trailer parking. Monitoring channel 11. Contact: Burl Shelton, Route 3, Tullahoma, Tenn.

Florida-National CB Jamboree, sponsored by the Cape Canaveral CB Club at Cape Kennedy, Florida. The event will take place August 20th, 21st and 22nd. Contact: P.O. Box 1195, Cocoa Beach, Florida. Jamboree Chairman: Hugh Pinney. Ed. note. If there is any one guy who knows about Jamboree's, Hugh Pinney is the man. This should be a real blast.

Central States Jamboree, sponsored by the Michigan Wolverine Radio Club will be held July 24th and 25th at the Dixie Speedway Halfway between Flint and Saginaw, Michigan. Exhibits and entertainment galore. Contact: Nels Savoix, KHG7216, 3249 Leith St., Flint, Michigan.

The Milwaukee CB Club will hold the CB Jamboree, July 24th and 25th at the Milwaukee, Wisconsin State Fair Park. Contact: P.O. Box 1277, Milwaukee, Wis.

The Town and Country CB Radio Club of Charlotte, North Carolina will hold its 1st Annual CB Jamboree August 21st and 22nd, across from the Charlotte Motor Speedway. Contact: Ben Privett, P.O. Box 12031, Charlotte, N. C.

3rd Annual Southwestern Ohio CB Ass'n, (SWOCBA) Nationwide CB Jamboree, Saturday and Sunday, August 21st and 22nd, to be held at the Warren County Fairgrounds, State Route 48, Lebanon, Ohio. 9,000 CB'ers attended last year from 34 states and Canada. RAIN OR SHINE. Free entertainment. Monitor channels 6, 9, 11 and 18. Contact: Nationwide Jamboree, P.O. Box 231, Mason, Ohio.

2nd Annual Jamboree of the Houston CB Radio Club, July 24th and 25th at Springs Park, Tomball, Texas, just 25 miles northwest of Houston. Contact: Houston CB Radio Club, P.O. Box 10590, Houston 18, Texas.

The Fort Henry CB Radio Club, Inc., will hold their annual CB Picnic, July 25th, White Palace Wheeling Park, Wheeling, West Virginia.

Sheriffs Huron County Emergency Net, Inc., 3rd Annual Weekend for CB'ers, August 21st and 22nd, Huron County Fairgrounds, Norwalk, Ohio. Monitor channel 9. Contact: SHCEN, P.O. Box 201, Norwalk, Ohio.

The Pike County CB Radio Club will hold their 2nd Annual Jamboree, July 25th at Community Park, Griggsville, Ill. Site is on State Route 107, 9 miles north of Pittsfield, which is on U.S. Route 36, and 54, 10 miles south of State Route 104. Good luck.

Quincy Area CB Radio Club Jamboree, August 22nd at Eagles Alps, North 5th Street, Quincy, Ill. Contact: Paul Sherner, P.O. Box 546, Quincy, Ill.

First Annual National CB Southwestern Jamboree, August 7th and 8th at El Paso Coliseum, El Paso, Texas. Just minutes from colorful and picturesque Juarez, Mexico and 170 miles from Carlsbad Caverns and 60 miles from White Sands. This jamboree is made possible by the combined efforts of all CB'ers in the West Texas and New Mexico area. Contact: P.O. Box 24045, El Paso, Texas.

Picnic-Coffee Break Jamboree, September 12th at Dan Tracers, KFG0595, place, located at Lancaster—5 miles north of Junction City, Oregon. The event is sponsored by the McKenzie CBRA.

Two Rivers CB Club is sponsoring the 3rd Annual National CB Jamboree, Ross Park, Binghamton, New York, August 28th. Prizes, camping area, live music and entertainment all day. Contact: P.O. Box 1181, Binghamton, New York.

The Citizens Radio Ass'n of Lake County, Ill., is sponsoring a Jamboree, August 13th, 14th and 15th at Lake County Fairgrounds, Routes 45 and 120. Grand prize, 13 foot Scotty camping trailer. Contact: Jack Diamond, P.O. Box 251, Waukegan, Ill.

Second Annual GRS Convention, September 10th 11th and 12th at the Canadiana Hotel, Highway 401 and Interchange 59 (Kennedy Road) in Toronto, Ontario, Canada. Contact: Second Annual GRS Convention, Att. Larry Higgins, P.O. Box 73, Whitby, Ontario, Canada.

Coffee Break, August 22nd at Blue Ridge Fire Hall, Blue Ridge Summit, Penna. Location, 8 miles east of Waynesboro, Pa., on Route 16. Monitoring channel 11. Contact: Bill Elden, 130 S. Broad St., Waynesboro, Penna.

2nd Annual Air Capital CB Jamboree will be held in Wichita, Kansas, August 28th and 29th in conjunction with the 1st Annual NCBGB-National Coffee Breakers Coffee Break and the 31st Annual National Semi-Pro Baseball Tournament. Contact: Pete Nosler, 1144 Pineridge Road, Wichita, Kansas, or Jamboree, P.O. Box 441, Wichita, Kansas.

3rd Annual CB Jamboree, sponsored by the Seacoast Citizens Radio Club at Lenape Park, Mays Landing, New Jersey. Rain date August 28th. Contact: Jamboree Chairman, Pat Grimes, 600 Central Ave., Egg Harbor, New Jersey.

The Midwest CB Council in cooperation with the 3 local CB Clubs, invites CB'ers to attend the 1st Annual Midwest CB Convention and Trade Show, July 30th, 31st and August 1st. Site: Sheraton Foutonello Hotel, Omaha, Neb. Participating clubs are: CB Ass'n of Omaha, Greater Omaha CB

# GET ACTION

WITH  PRECISION  
MADE, POPULAR PRICED CB  
UNITS! **CITI-FONE**

**FULL 23 CHANNEL SS** • Delta Tuning • Triple Tuned RF • AC/DC • Illuminated Meter and Channel Selector • "Dual" Function Panel Meter • Noise Immune "Squelch" • Double Tuned IF's • Compact 8" x 11" x 4 1/2"



**\$169<sup>50</sup>**  
Ready to Operate

**8 CHANNEL OPERATION 99** • AC/DC • Electronic Switching • 2-Stage Preamp • Transistorized "Noise Immune" Squelch • Delayed AVC • Illuminated "S" Meter • Complete, with Crystals for 1 Channel



**\$99<sup>95</sup>**  
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 .....

Club and Whipsnappers of SAC Air Force Base. Monitor channel 9.

August 14th and 15th at the Jacksonville Ball Park, next to the Gator Bowl, Jacksonville, Florida, the Gateway Monitors of Jacksonville will hold their Jamboree. Contact: Dan Rouch, Route 4, Box 225, Jacksonville, Florida.

The Communications Unlimited CB Club of Kewanee, Illinois is holding their annual Potluck Picnic, July 25th at Chautauqua Park in Kewanee. Contact: Don Hampton, 1003 North Chestnut, Kewanee, Ill. Monitor channel 9.

The C-Banders Radio Club, Inc. of Western Penna., will hold their Jamboree, August 1st at the Clairton Sportsmans Club, Clairton, Penna. Monitor channel 9. Remember August 1st.

September 4th, 5th and 6th. The 4th Annual Hillbilly CB Jamboree will be held at Maryville, Tenn., Fairgrounds. Grand prize is a CB rig. Contact: G. H. Tarpley, KKM5987, Route 4, Maryville, Tenn.

REACT of Orange County, California presents the Buy and Swap Meet, Sunday, August 15th at the Orange County Fairgrounds, Costa Mesa, California.

The 4th Annual Evansville CB Radio League Jamboree, July 25th at National Guard Armory, Just off the Evansville College Campus, on Walnut St. Contact: R. R. Hilt, R.R. 8, Browning Road, Evansville, Indiana.

The Cowan CB'ers Jamboree, September 26th, Smith Auditorium, Memorial Park, New Castle, Indiana. Event from 9 a.m. to 5 p.m. Contact: O. W. Clawson, Box 38, Cowan, Indiana.

CB Jamboree, sponsored by the Central Ohio CB Ass'n, July 25th at Ohio State Fairgrounds, Rain or Shine. 3 great big prizes. Contact: Central Ohio CB Ass'n, P.O. Box 92, Columbus, Ohio. The fairgrounds are located in Columbus, Ohio. Monitoring channels 9 and 11.

The Naugatuck Valley CB Radio Club is holding a state wide Jamboree, October 3rd, Lake Quassapaug Pavilion, Route 6A, Middlebury, Conn. Contact: Ed Duvel, 57 Lounsbury Street, Waterbury, Conn.

October 10th, Bell City CB Radio Club Jamboree, Lake Compounce, just off Route 72, Bristol, Conn. Contact: Ted Singleton, P.O. Box 753, Bristol, Conn.

CB Jamboree. The Lewiston 11, Citizens Band Club invites CB'ers to attend their Jamboree, Saturday and Sunday, July 31st and August 1st, Kishacoquillas Park, Lewiston, Penna. Jamboree Control 9. Rain or Shine. Contact: Galen M. Bratton, R.D. 2, McVeytown, Penna.

Second Annual Jamboree of Northern New York will be held on Sunday August 1st at the Norwalk Rod and Gun Club grounds, Norwalk, New York, on Plumbrook Road. Monitor channel 11. The event is sponsored by the St. Lawrence Valley CB Ass'n. Contact: Don Gilson, Star Route, Canton, N. Y.

September 4th and 5th, the Citizens Radio Ass'n of Crawford County is holding its 2nd Annual Jamboree at Crawford County Fairgrounds, located on Route 77, just outside Meadville, Penna. Contact: C.R.A.C.C., Box 356, Meadville, Penna.

5 Watters CB Club is sponsoring its 3rd Annual CB Jamboree, Sunday, August 22nd, at the 119th Field Artillery Armory, Saginaw and Marshall Streets, Lansing, Mich. Monitor channel 9. Contact: Jamboree Committee, Box 9223, Lansing, Michigan.

Greene County CB Club of Lyons, Jamboree at Dairness County Fairgrounds, Elnora, Indiana, August 7th and 8th. Top feature will be Auto Thrill Show sponsored by Buzy McCannon, local Chevrolet dealer.

6th Annual Virginia State Citizens Band Radio Ass'n Convention and Trade Show, August 21st and 22nd at the Jefferson Hotel in Richmond, Va. Displays galore. Contact: VSCBRA, P.O. Box 4581, Richmond 29, Virginia.

CB Card Swap, sponsored by RAMCO (Radio Associates of Montgomery County) Maryland, August 15th at Knights of Pythias Hall and Picnic Grounds, 2 miles west of Laurel, Maryland, on State Route 198. Monitor channel 11. Contact: Jim Reed, KK13064, 10714 Douglas Ave., Silver Springs, Maryland.

2nd Annual CB Jamboree, Sunday, August 29th, Cobble Hill Grange, Trow Hill, Barre, Vermont. The event is sponsored by the Granite Center 5 Watters, Inc. Monitor channel 11. Contact: John Tracy, Washington, Vermont.

Three Washington CB Radio Clubs will host the International Camp-Out, September 4th, 5th and 6th, Labor Day week-end. Site: Snoqualmie River Park, Fall City, Washington. Clubs participating are: CB Minutemen of Washington, Inc., The Tacoma CB Radio Club and the North End CB Radio Club of Washington, Inc. Contact: Jim Bossart, 2411 South 260th, Kent, Washington.

*Continued on page 71*

Is it time to renew your S9 subscription?

# CARD SWAPPERS UNLIMITED



**HEY GANG!!** Get a load of this collection of QSL's. That's Bob Ruyle, KG13471, amidst a part of his vast collection which he acquired by eyeball QSO's with thousands of CB's throughout the country. Bob is one of the top field engineers at Hy-Gain Antennas and also one of their best good-will ambassadors. If you send him one of your QSL's, he will rush one of his famous cards back to you. Let's see if we can swamp him under with QSL's! Bob's 10-20 is Hy-Gain Electronics, 8446 N.E. Highway 6, Lincoln, Nebraska 68501.

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 Vanderventer Ave., Port Washington, N. Y. 11050. Here are the winners of the black, red and gold certificates for the past month.

- |        |   |
|--------|---|
|        | 491 J. Hnasko, KID8954, Hazleton, Pa.   |
|        | 492 W. Coldren, KNJ1768, Wabash, Ind.   |
| PX-50  | 409 O. Blahm, KLN9961, Muskegon, Mich.<br>410 B. Kazmierski, KKT2015, Cleveland, Texas<br>411 R. Huson, KLD2044, Everett, Washington<br>412 J. Chocklett, KKK0745, Wilson, N.C.<br>413 H. Weintraub, KMD0362, Massapequa Pk., N.Y.<br>414 C. Ulshafer, KNJ4063, Wabash, Ind.<br>415 E. Elhard, KLF1888, Bismarck, N. Dakota<br>416 M. Forsyth, KNA1504, El Cerrito, Calif.<br>417 Judge Littell, KNJ6056, Martinsville, Ind.<br>418 R. Frost, KHA4980, Granger, Utah<br>419 R. Grip, KKB0188, N. Britain, Conn.<br>420 J. Gordon, WPE2NLP, Bronx, N.Y.<br>421 D. Theisen, KNM0810, Norwalk, Ohio                                  |
| PX-75  | 313 R. Huson, KLD2044, Everett, Wash.<br>314 B. Kazmierski, KKT2015, Cleveland, Texas<br>315 O. Blahm, KLN9961, Muskegon, Mich.<br>316 M. Forsyth, KNA1504, El Cerrito, Calif.<br>317 H. Weintraub, KMD0362, Massapequa Pk., N.Y.<br>318 C. & M. Sisler, KNM2322, Mingo Junction, Ohio<br>319 D. Theison, KNM0810, Norwalk, Ohio<br>320 J. Barbour, KKK2366, Hampton, Va.   |
| PX-100 | 294 B. Kazmierski, KKT2015, Cleveland, Texas<br>295 R. Huson, KLD2044, Everett, Wash.<br>296 D. Theison, KNM0810, Norwalk, Ohio   |
| PX-125 | 223 R. Haight, KKB2813, New Britain, Conn.<br>224 R. Gould, KLM3971, Kalamazoo, Mich.<br>225 H. Sowa, 1Q4271, Holyoke, Mass.<br>226 J. Mory, KK12063, Baltimore, Md<br>227 D. Theison, KNM0810, Norwalk, Ohio<br>228 G. Metcalf, KBH0019, Chillicothe, Ill.   |
| PX-150 | 171 M. Leonhardt, KLM6123, Cincinnati, Ohio<br>181 L. Aspinall, KBA8595, No. Haven, Conn.<br>182 V. Gould, KLP7641, Binghamton, N.Y.<br>183 R. Grubbs, KJH0080, Winston-Salem, N.C.<br>184 G. Wiles, KKB4015, Williamstown, Mass.<br>185 D. Parker, KLM0193, Armathwaite, Tenn.<br>186 G. Metcalf, KBH0019, Chillicothe, Ill.   |
| PX-175 | 131 M. Leonhardt, KLM6123, Cincinnati, Ohio<br>149 V. Gould, KLP7641, Binghamton, N.Y.<br>150 R. Grubbs, KJH0080, Winston-Salem, N.C.<br>151 S. Velpel, KHA8376, Garrett, Indiana<br>152 Wm. Huges, Mebane, N. C.<br>153 G. Metcalf, KKK4713, Chillicothe, Ill.<br>154 B. Biro, XM15065, Penticon, B.C., Canada<br>155 B. Halt, 2W7638, Dunellen, N.J.<br>156 V. Goodnuff, KBH0019, Belleville, Mich.   |
| PX-200 | 131 V. Gould, KLP7641, Binghamton, N.Y.<br>132 B. McShea, KCD0200, Arlington, Va.<br>133 E. Johnson, KLN9155, Manistee, Mich.   |
| PX-225 | 120 V. Gould, KLP7641, Binghamton, N.Y.<br>121 G. Radenheimer, KHH1363, Middletown, Ohio  |
| PX-250 | 171 G. Solomon, Sr., KKG3692, Hellertown, Pa.   |
| PX-350 | 102 S. Penc, KJB3337, Utica, N.Y.<br>103 B. Ross, KCG1087, Washington, D.C.   |
| PX-525 | 101 W. Wise, KFA4659, Anaheim, Calif.   |
| PX-550 | 101 W. Wise, KFA4659, Anaheim, Calif.   |
| SACA   | 243 V. Gould, KLP7641, Binghamton, N.Y.<br>244 R. Grigger, KCF2446, Baltimore, Md.<br>245 R. Grubbs, KJH0080, Winston-Salem, N.C.<br>246 G. Davis, 18B2648, Chicago, Ill.<br>247 H. Olson, KLE0795, Sheridan, Wyoming<br>248 V. Goodnuff, KLM7764, Belleville, Mich.<br>249 G. Metcalf, KBH0019, Chillicothe, Ill.<br>250 D. Parker, KKM0193, Armathwaite, Tenn.<br>251 L. Aspinall, KBA8595, North Haven, Conn.  |
| PX-25  | 477 R. Grip, KKB0188, New Britain, Conn.<br>478 R. Huson, KLD2044, Everett, Washington<br>479 B. Kazmierski, KKT2015, Cleveland, Texas<br>480 S. Ray, KM10032, Bridgeport, W. Va.<br>481 C. Blahm, KLN9961, Muskegon, Mich.<br>482 H. Weintraub, KMD0362, Massapequa Pk., N.Y.<br>483 D. Newell, KNP2730, Jamestown, N.Y.<br>484 R. Snyder, KCD1652, Red Lion, Pa.<br>485 G. Gargia, Dumont, N. Jersey<br>486 R. Gries, KKD0520, L.I.C., New York<br>487 R. Frost, KHA4980, Granger, Utah<br>488 Judge Littell, KNJ6056, Martinsville, Ind.<br>489 D. Theisen, KNH0810, Norwalk, Ohio<br>490 D. Sigo, Central3250, Goodland, Ind. |

MSA 176 H. Olson, KLE0795, Sheridan, Wyoming  
 177 R. Grubbs, KJH0080, Winston-Salem, N.C.  
 178 V. Gould, KLP7641, Binghamton, N.Y.  
 179 D. Parker, KKM0193, Armathwaite, Tenn.  
 180 G. Metcalf, KBH0019, Chillicothe, Ill.  
 181 V. Goodnuff, KLM7764, Belleville, Mich.

SSC-1 191 1Q4271, Holyoke, Mass.  
 192 Wm. Huges, Mebane, N.C.  
 193 K. Perry, KBC7935, N. Bedford, Mass.  
 194 G. Wiles, KKB4015, Williamstown, Mass.  
 195 V. Goodnuff, KLM7764, Belleville, Mich.  
 196 D. Theisen, KNN0810, Norwalk, Ohio

SSC-2 147 M. Leonhardt, KLM6123, Cincinnati, Ohio  
 152 K. Perry, KBC7935, N. Bedford, Mass.  
 153 B. Biro, XM15065, Peniticon, B.C., Canada

SSC-3 123 M. Leonhardt, KLM6123, Cincinnati, Ohio  
 128 B. McShea, KCG0200, Arlington, Va.

SSC-9 109 B. Ross, KCG1087, Washington, D.C.

SSC-10 109 B. Ross, KCG1087, Washington, D.C.

SSC-11 105 W. Wise, KFA4659, Anaheim, Calif.

SSC-12 104 W. Wiese, KFA4659, Anaheim, Calif.

SSC-13 104 J. Cross, KCF0823, Hagerstown, Md.

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 Vanderverter Avenue, Port Washington, N. Y. 11050. Deadline for listing in the October issue is August 12th. Any cards received after this date will be listed in the following issue.

#### Here are this months swappers:

1Q4271 Henry Sowa, P.O. Box 571, Holyoke, Mass.  
 1W6216 Errol Engraving, 36 Hampden St., Westfield, Mass.  
 2Q0152 Karl Weiss Jr., 245 Ashmore Ave., Trenton, N.J.  
 2Q6980 Red Morgan, 144 Wilson Ave., Kearny, N.J.  
 3Q1618 Everett Lindsey Jr., R.D. #1, Mount Holly, N.J.  
 5Q0577 Fred Harris, Route 3, Gate City, Virginia  
 5Q2178 Elwyn Beam, Route 2, Vale, N.C.  
 6Q0054 Glenn Poore, 1316 Hixson Pike, Chattanooga, Tenn.  
 6W7263 Bill Orton, 905 Altamaha St., Chattanooga, Tenn.  
 6W7515 Terrell Craven, Route 1 - Box 32, Royston, Ga.  
 7W3713 Chester Sisson, Rt. 1 - Box 1020, Haines City, Fla.  
 8Q1009 Sid Coryell, 4502 W. 29th St., Little Rock, Ark.  
 9Q0472 Ben Bailey, 4201 Nagel St., Bryan, Texas  
 11Q1313 George Strainline, 1171 W. Miracle Mile, Tucson, Ariz.  
 11Q2714 Eileen Inns, 530 Catalina Dr., Newport Beach, Calif.  
 11W9751 George Strainline, 1171 W. Miracle Mile, Tucson, Ariz.  
 17W5449 Henry Hawkins, Rural Route One - Box 86, Fair Grove, Mo.  
 18B2648 Glenn Davis, 6143 North Rockwell St., Chicago, Ill.  
 18Q3779 L.A. Morrow, 2210 N. Gayman Ave., Davenport, Iowa  
 18Q4913 Tom Leadbetter, R.R. 4 - Box 40, Muncie, Ind.  
 19Q8152 John Kasten, 5916 Westbrook Drive, Brookpark, Ohio  
 19Q9470 Adrian Fallert, 121 N. "C" St., Hamilton, Ohio  
 19QA0442 Art De Frain, 226 3rd St., Harbor Beach, Mich.  
 19W7489 Dick Howell, 1917 Murdoch Ave., Parkersburg, W.Va.  
 20Q1360 Ivan Smith, 419 Water St., Danville, Pa.  
 20W6677 Frank Rodgers, 1910 Columbia Ave., Tyrone, Pa.  
 KAG1649 Al. Young, 350 Van Winkle Ave., Hawthorne, N.J.  
 KAG2486 Dave Buda, 717 Centre St., Nutley, N.J.  
 KAK1527 Leo Cormica, R.F.D. 1, West Rumney, N.H.  
 KAR0738 The Card Swapper, P.O. Box 411, Westfield, Mass.  
 KBA0231 Charlie Adams, 691 Marlboro St., Keene, N.H.  
 KBA2894 Charlie Ambush, 31 Pleasant St., Cambridge, Mass.  
 KBA5049 Robert Morin, P.O. Box 91, Dracut, Mass.  
 KBA5557 Ted Cummings, Bellflower Road, Billerica, Mass.  
 KBA8595 Lee Aspinall, 20 Forest Ave., North Haven, Conn.  
 KBC0734 Steven Feyman, 79 Banks Rd., Swampscott, Mass.  
 KBC3583 John Coons, P.O. Box 33, Plainville, Conn.  
 KBC6415 Donald Aspinall, 20 Forest Ave., North Haven, Conn.  
 KBC6510 Ralph Bryant, 716 Riverside Dr., Fairfield, Conn.  
 KBC6819 Robert Giustina, 68 Dunmoreland St., Springfield, Mass.  
 KBC7935 Kathy Connor, 136 Tallman St., New Bedford, Mass.  
 KBC8093 Dennis Cidale, 17 Water St., Stonington, Conn.  
 KBC8494 Ray Blanchard, 4 Chelsea St., Worcester, Mass.  
 KBC9193 Big 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.  
 KBD0784 Jack Suplicki, 2 Willey Pl., Norwich, Conn.  
 KBD1300 Ray Grele, 9 Argyle Circle, Seymour, Conn.  
 KBD2925 Ronnie Sauriol, 62 Circuit Ave. N., Worcester, Mass.  
 KBG4667 John Krueger, 23 Standpipe Road, Freehold, N.J.  
 KBG6576 Charles Arnwine, 725 South Broad St., Trenton, N.J.  
 KBG7180 Pat Purcell, 99 Harvard Drive, Hartsdale, N.Y.  
 KBG7387 Gerry Schechter, 3535 Kings College Pl., Bronx, N.Y.  
 KBG7687 Robert Thatcher, R.R. 1 - Box 59-82, Hudson, N.Y.  
 KBG8079 Alvin Allen, 610 Prospect Ave., Spring Lake Heights, N.J.  
 KBG8153 Betty Krueger, 23 Standpipe Rd., Freehold, N.J.  
 KBG8179 Alvin Allen, 610 Prospect Ave., Spring Lake Heights, N.J.  
 KBH0853 Tom Walton, 324 Kenilworth Rd., Louisville, Ky.  
 KBH1426 Fred Stearman, R.R. #1 - Box 16, Erie, Ill.  
 KBH1571 Morrie Goldman, 8046 South Euclid Ave., Chicago, Ill.  
 KBI0275 Hank Mancura, 64 Meadow Lane, Levittown, L.I., N.Y.  
 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, L.I., N.Y.  
 KBI2251 Mona French, 19 Essex Lane, Old Bridge, N.J.  
 KBI5592 George Gross, Waring Road M.D. #15, Newburgh, N.Y.  
 KBI6373 Charles Bennett, 89 Valley Rd., Haworth, N.J.  
 KBI6480 Art Scheid, 2 Essex Place, Hartsdale, N.Y.  
 KBI7301/1 Bob Mihlon, 163 Thomas St., Bloomfield, N.J.  
 KBI8077 John Krejci, 60 Division Ave., Garfield, N.J.  
 KBJ1722 George Hunt, 353 Highland Ave., Middletown, N.Y.  
 KCA0102 Frank Askinazy, 1034 Ralph Ave., Brooklyn, N.Y.  
 KCC1541 Donald Berle, 228 California Rd., Quakertown, Pa.  
 KCC2969 Robert Stouch, R.D. 1 - Box 120, East Stroudsburg, Pa.  
 KCC3957 Lee Headley, 309 St. Louis Ave., Pt. Pleasant Beach, N.J.  
 KCD1652 Ronald Snyder, Route 2, Delta, Penna.  
 KCD1896 Howard Taylor, South DuPont Rd., Penns Grove, N.J.  
 KCD3398 May Miller, R.D. 2, Kempton, Pa.  
 KCD4352 Marge Headley, 309 St. Louis Ave., Pt. Pleasant Beach, N.J.  
 KCD5154 Earl Rogers, 224 Tuscany Rd., Maple Gardens, Chester, Pa.  
 KCD5178 Bernie Thomas, R.D. 3, East Stroudsburg, Pa.  
 KCD5222 William Wright, R.D. 1, Green Lane, Penna.  
 KCD5385 William Wright Jr., R.D. 1, Green Lane, Penna.  
 KCD5491 Bernie & Phyllis, 1509 Bondridge Rd., Wilm, Del.  
 KCD5966 Al Smith, Penury Priory, Doylestown, Pa.  
 KCD6109 Lois Lowell, R. D. 2, Sellersville, Pa.  
 KCD6125 Neil O'Connell, 22 Cassatt Avenue, Berwyn, Pa.  
 KCF0692 David Clowser Sr., Plainfield Rd., Rt. 3, Winchester, Va.  
 KCF0823 Jim Cross, 755 S. Potomac St., Hagerstown, Md.  
 KCF1224 Harold Channell, P.O. Box 4124, Alexandria, Va.  
 KCF2446 Robert Crigger, 411 South Mount St., Baltimore, Md.  
 KCF2541 James Lofton, 712 N. Loudoun St., Winchester, Va.  
 KCG0572 Leonard Getterman, Box 213B-Ridge & Main, Edgewater, Md.  
 KCG0706 Eddie Becker, 5606 Franconia Rd., Alexandria, Va.  
 KCG1087 Barney Ross, 425 Garden St., Washington, D.C.  
 KCG1648 J.W. Smith, R.R. 2, Jane Lew, W. Va.  
 KCG1835 Edsel Peacemaker, Route 2, Winchester, Va.  
 KCG2419 Park Bedford, 4903 Asbury Lane, Bethesda, Md.  
 KCG2891 Edith Becker, 5606 Franconia Rd., Alexandria, Va.  
 KCG3068 Ricky Lowman, 1001 W. Addition St., Martinsburg, W. Va.  
 KCG3236 Bob Gallery, 5013 Westport Rd., Chevy Chase, Md.  
 KCG3569 Charles Berry Jr., Nonreh Road, Rt. 3, Saltsbury, Md.  
 KCG3689 Edward Ross, 1967th Comm. SQDN., APO San Francisco, Cal.  
 KCG3970 Kenneth Hogues, R.F.D. #1, Beverly, W. Va.  
 KCG4106 Dave Royer, Rt. 1 - Box 133, Finksburg, Md.  
 KCI1656 Allen St. Clair, 2847 Cannady Rd., Roanoke, Va.  
 KCI2842 Clarence Moore, Rt. #4 - Box 34, Thomasville, N.C.  
 KCJ2292 Hazel Stubbs, P.O. Box 1076, Rockingham, N.C.  
 KCJ2621 Sam Moser, Rt. 7 - Box 154, Winston-Salem, N.C.  
 KCJ3076 Jim Hilton, 3806A Roads View Circle, Hampton, Va.  
 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.

KCJ4911 Jearl Bishop, 1801 Chatham Ave., Charlotte, N.C.  
 KCJ5002 J.L. Kirkland, Route 7, Raleigh, N.C.  
 KCJ5092 Doug Paynter, 1001 East Jefferson St., Charlottesville, Va.  
 KCJ5244 Joe Tuttle, Route 1, Rural Hall, North Carolina  
 KCJ6180 Buddy Boy Williamson, 604 Gillespie St., Greensboro, N.C.  
 KCJ6987 Tommy Pollok, Gladys, Virginia  
 KCJ8516 The Morrison's, 826 Longview Dr., Woodbridge, Va.  
 KCJ9615 James Surratts, Route 2, Box 86, Denton, N.C.  
 KCJ9925 Jake Dunlow, R.F.D. 3, Windsor, N.C.  
 KDB5453 Sheldon Daltch, Box 182, Louisville, Ga.  
 KDB9372 Claude Hooper, R.F.D. 9 - Box 130, Sylva, N.C.  
 KDC0390 Jerry Pater, 1195 Dale Road, Hamilton, Ohio  
 KDC0443 John Blankenship, P.O. Box 363, Graysyn, Ky.  
 KDC0614 Clarence Hnanicek, 10809 Prince Ave., Cleveland, Ohio  
 KDC0843 Raymond Sheely, Box 95, Petersburg, Ohio  
 KDC1255 Ben Helner, 1804 Lenox Ave., Lima, Ohio  
 KDC1388 W.L. McKeever, 408 Lynn Ave., Lakeside, Ohio  
 KDC2091 Charlie Kreuger, Route 2, Marion, Ohio  
 KDD2134 Michael Ashby, 316 S. Franklin St., Tullahoma, Tenn.  
 KDD7853 James Davenport, 316 Reynolds St., Greenwood, S.C.  
 KDD7921 Charles Lee, 1455 13th Ave. East, Tuscaloosa, Ala.  
 KDD9501 Ray Frisby, Route 5, Marshall, N.C.  
 KDE0565 Rodney Wise, P.O. Box 2953, Asheville, N.C.  
 KDE1213 Cliff Lewis, 593 Thomas St., Spartanburg, S.C.  
 KDE1377 George Geriner, 4087 Lewler St., Memphis, Tenn.  
 KDE3230 George Payne, 17 Orton Drive, Maryville, Tenn.  
 KDE4026 Lucy Payne, 17 Orton Drive, Maryville, Tenn.  
 KDJ3211 Donna Wiley, 1601 Cimarron Trail, Wichita Falls, Texas  
 KDJ3320 Dot Sisson, R.R. 1 - Box 1020, Haines City, Florida  
 KD14678 Hoyt Mann, P.O. Box 464, Lake Butler, Fla.  
 KDJ0332 Nick Miller, Box 3006, St. Petersburg, Fla.  
 KEB1659 Ed Field, P.O. Box 481, Gautier, Miss.  
 KEB4002 Al Mayer, 306 West 8th, North Little Rock, Ark.  
 KEB4614 Carlos Bailey, Route 6, Box 400, Pine Bluff, Ark.  
 KEB5455 Buddy White, 375 Stevensdale Rd., Baton Rouge, La.  
 KEB2743 Harry Hoffpowner, 724 Cooldridge Rd., Channelview, Texas  
 KEH1105 Fred Kimbro Jr., 213 N. Edmond, Muskogee, Okla.  
 KEH5846 Kenneth Bales, Box 295, Guyton, Okla.  
 KEH7099 Larry Miller, 6907 N.W. 59th St., Bethany, Okla.  
 KEJ0071 Melvin Nutting, 932 Western Ave., Colton, Calif.  
 KEJ1341 E.H. Rogers, 24950 E. 6th St., San Bernardino, Calif.  
 KEJ5828 John Hamner, 12350 So. Fern Ave., Ontario, Calif.  
 KEJ5869 Johnnie France, Box 4146, Riverside, Calif.  
 KEJ6681 Bob Osterhout, 3624 Meier St., Los Angeles, Calif.  
 KFA1472 Herman Wieser, 615 Bark Road, Port Hueneke, Calif.  
 KFA2338 Frank Whetzel, 916 Larker Ave., Los Angeles, Calif.  
 KFA3830 Dot Schwarm, 445 Park View Ave., Grover City, Calif.  
 KFA4167 Mike Daugherty, 2736 E. Fairmount, Phoenix, Ariz.  
 KFA4659 Walt Wise, 613 No. Glenwood Place, Anaheim, Calif.  
 KFA6387 George Prock, 4814 W. 131st St., Hawthorne, Calif.  
 KFA6882 Les Cannell, 7038 W. 85th St., Los Angeles, Calif.  
 KFA9114 Thomas Couch, 9422 Blackley St., Temple City, Calif.  
 KFA9923 Helen Morse, P.O. Box 1395, Ontario, Calif.  
 KFB0396 Ron Federico, 815 No. Palisade Dr., Santa Maria, Calif.  
 KFD1525 Chuck Watrous, 421 W. 12th St., Tracy, Calif.  
 KFD2055 Chuck Boehnke, P.O. Box 223, Los Gatos, Calif.  
 KFD2822 Leon Bagdad, 844 W. Dayton, Fresno, Calif.  
 KFD4230 Neil Sweetland, 2505 Arthur, Fresno, Calif.  
 KFD4870 Bud Fischer, 1525 Blackstone, Fresno, Calif.  
 KFD5345 Cecil Long, P.O. Box 367, Ivanhoe, Calif.  
 KFD5811 Larry Klueder, P.O. Box 183, Oroville, Calif.  
 KFD5994 Howard Daub, 3335 Moon Ave., Stockton, Calif.  
 KFD6256 Sparky Pinola, 3335 Mabel St., Sacramento, Calif.  
 KFG0862 Gene Carpenter, P.O. Box 112, Brightwood, Oregon  
 KFI1219 Jack Sudduth, 8103 16th S.W., Seattle, Wash.  
 KFIJ0479 Agnes Sudduth, 8103 16th S.W., Seattle, Wash.  
 KGA0113 Ralph Bena, Rt. 2 - Box 239, Chehalis, Wash.  
 KGC2576 Gene Godsoe, 1406 Oneida St., Denver, Colo.  
 KGF1675 Earl Wertz, 79 Kincheloe St., Kincheloe AFB, Mich.  
 KGH1666 Shiri Schaaf, 716 E. 72nd Terr., K.C., Missouri  
 KGH2584 Joseph Rose, 1009 Figg, Wichita, Kansas  
 KGI6082 Bill Wilson, 900 South Madison, Plainville, Kansas  
 KGI6100 Robert Schminck, 357 No. Waco, Wichita, Kansas  
 KGI6857 Kenneth Moore, 3107 Capitol Ave., Sioux City, Iowa  
 KGI6979 Don Marshall, 301 Circle Drive, Carrollton, Mo.  
 KGI7912 Don Stoneburg, Box 221 Ames Ave. Station, Omaha, Nebr.  
 KGI9206 Bud Ward, 968 Lindeman, Des Peres, Mo.  
 KIA0733 Harold Handley, 13800 W. 145th Place, Lockport, Ill.  
 KHA3503 Ove LaPlante, 2978 N. Teutonia Ave., Milwaukee, Wis.  
 KHA5150 Virg Mansfield, 600 West 7th, Muncie, Indiana  
 KHA8376 Gordon Velpel, 801 S. Franklin St., Garrett, Ind.  
 KHB1210 Larry Rost, R.R. 2, Muscatine, Iowa  
 KHB3971 Larry Parkhurst, 1000 West 11th St., Muncie, Ind.  
 KHC0280 Dick Dill, 505 W. Cherry, McLeansboro, Ill.  
 KHC4185 Lou Chappell, 3644 E. Minnie St., Decatur, Ill.  
 KHC4453 Dick Stout, Maple Spring Farm, Chatham, Ill.  
 KHC5348 Barry Fehlberg, 1801 Summit Ave., Racine, Wis.  
 KHC8347 Jim Taylor, Rosine, Ky.  
 KHD1288 Charles Couchman, Box 194, North Vernon, Ind.  
 KHD3373 Percy Hunt, 1152 Bigger St., Gary, Ind.  
 KHD4705 George Newberry, 1027 W. Douglas St., Freeport, Ill.  
 KHD5345 John Neyer, 1111 W. Grace St., Chicago, Ill.  
 KHD5777 Jim Carey, R.R. #1, Sylvan Lake, Rome City, Ind.  
 KHD8077 Peter Barbera, 1834 W. Armitage, Chicago, Ill.  
 KHD9049 Leo Streff, 426 E. Franklin, Paxton, Illinois  
 KHE0968 Mick Newton, 634 Madison Ave., Evansville, Ind.  
 KHG1923 Bob Gillespie, 31805 Denmore Rd., Willowick, Ohio  
 KHG3085 Edwin Chisholm, 1825 Avon St., Saginaw, Mich.  
 KHG3450 Ernie Grubb, 1757 Moonlight Drive, Akron, Ohio  
 KHG4945 C.M. Cooley, 1006 Hooven Ave., Hamilton, Ohio  
 KHG5776 Larry Hensley, 15 N. Dewey Rd., Amherst, Ohio  
 KHG5896 Ron Neufeld, 3090 E. Derbyshire, Cleveland Hts, Ohio  
 KHG6176 Herman Werfele, 3121 Jacob St., Wheeling, W. Va.  
 KHG6303 Walter Dadds, 4216 W. 22 St., Cleveland, Ohio  
 KHG9069 Herb Riggle, Route 5, Zanesville, Ohio  
 KHG9085 Alfred Hogan, 1108 Walker St., Mansfield, Ohio  
 KHH1363 Geo. Radenheimer, 3121 Andrew St., Middletown, Ohio  
 KHH2266 Harold Hawkins, 3522 Linwood Ave., Columbus, Ohio  
 KHH2828 Frank Hall Jr., 711 Water St., Barboursville, W. Va.  
 KHH3134 Flint McCullough, 800 12th St. S.W., Massillon, Ohio  
 KHH3585 Mae Breeze, 5660 Hipp, Dearborn Hts., Mich.  
 KHH4192 John Stone, 8141 Shore Drive Lot 285, Norfolk, Va.  
 KH12916 Larry Bauder, 120 Bradley Rd., Midland, Mich.  
 KH14973 John Campbell, 216C FTD Box 201, Dow AFB, Bangor, Maine  
 KH17868 Tim Schafer, 1580 S. Clinton St., Defiance, Ohio  
 KH19979 Gene Taylor, 121 N. Adolph Ave., Akron, Ohio  
 KHJ1206 Herb & Marty Snyder, 1856 Lockwood Rd., Barberton, Ohio  
 KHJ1858 Norm Owings, 505 N. Clairmont, Springfield, Ohio  
 KHJ3482 Robert Albright, R. 3, Alpena, Michigan  
 KHJ3914 Ralph Jester, 564 Round Lake Dr., Michigan Center, Mich.  
 KHJ4747 Don Senger, 2650 Mandale, Orchard Lake, Mich.  
 KHJ5042 Harold Davis, 9575 Shell Beach Rd., Pinckney, Mich.  
 KHJ5485 Don Larabell, 14865 Stout, Detroit, Mich.  
 KHJ6508 Ralph Husk, 1103 1/2 Olive St., Parkersburg, W. Va.  
 KHJ6874 Richard Cady, P.O. Box 193, Winchester, Ky.  
 KHJ7033 M. & M. Restaurant, 500 North Main, No. Baltimore, Ohio  
 KHJ7270 Bob Wilkinson, 509 Magnolia Ave., Cuyahoga Falls, Ohio  
 KHJ7892 Boots Beautydy, Box 252, Trenton, Mich.  
 KHJ7920 Maury Lackey, Route #1, Berea, Ky.  
 KHJ9411 Jim Waters, 28 S. Pembroke Ave., So. Zanesville, Ohio  
 KHJ9482 Francis Garrett, 1226 Mohaxala Ave., Zanesville, Ohio  
 KHJ9558 Ed Leonard, 3518 Smithfield Lane, Cincinnati, Ohio  
 KHJ9961 Tim Hamilton, P.O. Box 572, Wooster, Ohio  
 KIA0468 Clarence Kernstock, 1820 Filmore Place, Essexville, Mich.  
 KIA0762 Leroy Butler, 1808 Lennox, Lima, Ohio  
 KIC1185 Curt Hammond, Rensselaer Falls, New York  
 KIC1207 Arlene Warner, 2273 Mosser Ave., Williamsport, Pa.  
 KIC2881 Mike Ripski, 72 Mooney Rd., Plymouth, Pa.  
 KIC3500 Ruthie Bopp, 350 W. Fifth St., Lewistown, Penna.  
 KIC5642 Dave Klimeck, 218 Ottawa St., Johnstown, Pa.  
 KID0007 Fred Martz, Davis-Lane Speedway, Hustontown, Pa.  
 KID0186 Kathy Reshetar, 102 1/2 Walnut St., Binghamton, N.Y.  
 KID3241 Vera Bracken, 619 Cayuta Ave., Waverly, N.Y.  
 KID4563 Pete Gabrielle, 751 Parsells Ave., Rochester, N.Y.  
 KID5225 Harry Platt Jr., R.D. 1 - Shaw Road, Conklin, N.Y.  
 KID5293 George Gould, Box 42, Hudson Falls, N.Y.  
 KID5869 Robert Kolock, 844 Taylor Rd., Hamburg, N.Y.  
 KID5968 John Norman, Box 249, Watkins Glen, N.Y.  
 KID6356 Roscoe Harrington, 5 Schuyler St., Hudson Falls, N.Y.  
 KID6623 George Kline, 508 Monroe St., Jamestown, N.Y.  
 KID7260 Stan Breitkopf, 271 Stanton Lane, Rochester, N.Y.  
 KID8232 Roy McGregor, R.D. 2, Central Square, N.Y.  
 KID9018 Bonnie Oakes, 901 Chestnut St., Roaring Spring, Pa.  
 KIE0628 Al Guley, R.D. 3-Box 392, Coraopolis, Pa.  
 KJC0223 J.C. McCalla, 273-G Dyea Ave., Fort Richardson, Alaska  
 KJF0333 Walt Spittle, 1319 57th Ave. S.E., Washington, D.C.  
 KJH0032 Jere Caricofe, 2301 Norfolk St., Hopewell, Va.  
 KJH0080 Robert Grubbs, Route 3, Winston-Salem, N.C.  
 KJH0614 Joe Hamilton, R.D., New Millport, Pa.  
 KJI0777 John White, 311 Owen Ave., Elmira Heights, N.Y.  
 KJI1072 Len Siedinski, 18 Ames Ave., Tonawanda, N.Y.  
 KJ12342 Fenton's, 125 A-W Lake Road, Penn Yan, N.Y.  
 KJ12748 Bob Gilmore, R.D. 2 Short Cut Road, Weedsport, N.Y.  
 KJ13461 John Garzel, Box 286, Austin, Pa.  
 KKA0488 Cyril Wilson, 6 Collins Terrace, Lynn, Mass.

KKA0658 Jerry Cote, 105 Old Walpole Road, Keene, N.H.  
 KKA0880 Don Benois, Lambs Grove, Spencer, Mass.  
 KKA1997 Jim McSwain, RFD 2 Windsor, Vt.  
 KKA3088 John Myott, 16 Washington St., Westfield, Mass.  
 KKA3340 Hootin Annie, 11 Fort Hill Rd., Bridge, Conn.  
 KKA4210 Dick Clogston, Starks, Maine  
 KKA5174 George Brown, 101 Truman St., New London, Conn.  
 KKA5305 George Chase, 175 Kitemang Rd., Uncasville, Conn.  
 KKA5308 John Mildner, Roberts St. RD 1, Pascoag, R.I.  
 KKA6265 Arnold Dakin, RFD 2, Thorndike, Maine  
 KKA6885 William Lafond, Eagle Peak Road, Pascoag, R.I.  
 KKA7269 Phil Newcomb, 59 Central St., Ballardvale, Mass.  
 KKA7402 John Flynn Jr., c/o Royal Coach Hotel, Weirs Bch., N.H.  
 KKA7816 Anthony Silva, 9 Holway Ave., Provincetown, Mass.  
 KKA8101 John Moriarty, 86 Beacon St., Florence, Mass.  
 KKA8218 Charlie Judd, 700 Marlboro St., Keene, N.H.  
 KKA8456 Joe Cambo, 31 Woodbury Ave., Norwalk, Conn.  
 KKA8964 CB Card Exchange, 3209 Main St., Stratford, Conn.  
 KKA9350 Morris Day, Medway, Maine  
 KKA9690 Peter Flynn, 212 Allen St., Springfield, Mass.  
 KKA9788 Steve Kaplan, 91 Valentines St., New Bedford, Mass.  
 KKA9862 Pat Wallingford, 20 North Marriner St., So. Portland, Maine  
 KKA9907 Alfred Rawley, P.O. Box 426, Camden, Maine  
 KKA9926 Brian Benkosky, 343 Washington St., Keene, N.H.  
 KKB0087 James Lacey, 46 Oread St., Worcester, Mass.  
 KKB0188 Robert Grip, 60 Sexton St., New Britain, Conn.  
 KKB0242 Paul Ferland, 32 Arland Dr., Pawtucket, R.I.  
 KKB0346/5 Richard Baletti, 313 Sandwich St., Plymouth, Mass.  
 KKB0399 Stan Holland, South Rumford, Rumford, Maine  
 KKB0748 Tom Pluta, 31 Stony Hill Road, Indian Orchard, Mass.  
 KKB1170 George Hensel, 37 Fairview Ave., Thompsonville, Conn.  
 KKB1195 Bud Geray, 183 East Main St., Chicopee Falls, Mass.  
 KKB1587 Al LaPointe Jr., 60 Prospect St., New Britain, Conn.  
 KKB2242 Peter Corcobilos, 42 Devens St., Indian Orchard, Mass.  
 KKB2813 Robert Haught, 12 Sterling St., New Britain, Conn.  
 KKB3387 Tom Wilmarth, 466 Main St., Cromwell, Conn.  
 KKB3548 John Monaco, 118 Ledgercrest Ave., New Britain, Conn.  
 KKB3586 Ralph Gauthier, 227 Walnut St., Manchester, N.H.  
 KKB3757 Harrison Cunningham, 71 Water St., Hallowell, Maine  
 KKB3791 Paul Lord, 250 1/2 South Main St., Attleboro, Mass.  
 KKB4015 George Wiles, 7 Mead St., Williamstown, Mass.  
 KKB4058 Phil Gomez, Lebanon, N.H.  
 KKD0349 Jack Golden, 5025 Broadway, New York, 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.  
 KKD1553 Norm Schweltzer, 99 Featherbed Lane, Bronx, N.Y.  
 KKD1640 Al Stanley, 1056 President St., Brooklyn, N.Y.  
 KKD1699 Lou Gangemi, 12 Shelley Ave., Hartsdale, N.Y.  
 KKD1746 Ivan Samuels, 179 Glenview Rd., South Orange, N.J.  
 KKD1915 John Fernicola Jr., 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.  
 KKD2495 Jay Dubner, 1072 Ruth Place, North Bellmore, L.I., N.Y.  
 KKD2805 Gary Garcia, 164 Lenox Ave., Dumont, N.J.  
 KKD2992 Edward Litke, 18 East Main St., Beacon, N.Y.  
 KKD3441 Michael Papienuk, 20-2 Alois Pl., Paterson, N.J.  
 KKD4696 Ed. Ruthberg, 26 Jackson Ave., Middletown, N.Y.  
 KKD5247 Edward Dart, Bay View Road, Southold, L.I., N.Y.  
 KKD6074 Dennis Spata, 283 Hope Ave., Passaic, N.J.  
 KKD6219 Bob Reedy, 349 N. Boston Ave., N.Massapequa, L.I., N.Y.  
 KKD6389 Jean DuBois, R.F.D. 4 - Chestnut Hills, Middletown, N.Y.  
 KKD6953 Peter Mozzone, 382 Horton H.w.y., Mineola, L.I., N.Y.  
 KKD7398 Vera Leitans, 246 Second St., Albany, N.Y.  
 KKD7499 Norman Bernstein, 90 Redwood Lane, 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.  
 KKD7992 Robert Brntsen, 85 Cuspass Dr., Ringwood, N.J.  
 KKD8372 Mike Mazzone, 438 Livingston Ave., Albany, N.Y.  
 KKD8383 Bob Peterson, 61 Crosshill Ave., Yonkers, N.Y.  
 KKD8490 Jerry Piacente, 14 Hardy Place, Yonkers, N.Y.  
 KKD8808 Louis Femine, 355 Eighth Ave., New York, N.Y.  
 KKD8859 Charles McNally, 36 Marble Hill Ave., New York, N.Y.  
 KKD9510 Ray Dams, 38 Vilet St., Cohoes, New York  
 KKD9511 Mitch Zimmer, 1213 East 83rd St., Brooklyn, N.Y.  
 KKD9522 Don Cappelletti, 554 Stewart Ave., New Hyde Pk., N.Y.  
 KKE0171 Al Siebold, 110 Jefferson Ave., River Edge, N.J.  
 KKE0438 Manny Fleischer, 510 Ocean Parkway, Brooklyn, N.Y.  
 KKE0449 Al Farber, 2554 E. 29th St., Brooklyn, N.Y.  
 KKG0335 Larry Love, East Landis Ave., Vineland, N.J.  
 KKG0371 Ken Yost, Sunset Lake Road, Newark, R.D. 1, Del.  
 KKG0960 Robert Ream, 608 High St., Lancaster, Pa.  
 KKG1280 Clarence Diehl, 800 Mohican St., Bethlehem, Pa.  
 KKG2712 Claude Dye, R.D. 3, Pottstown, Pa.  
 KKG3229 Don Schmitt, Box 19, Gettysburg, Pa.  
 KKG3692 George Solomon, 1254 Second Ave., Hellertown, Pa.  
 KKG3920 Rudy Freimann, 47 Barto Rd., Bally, Pa.  
 KKG3987 John LeMay, 28 E. Water St., Gettysburg, Pa.  
 KKG4062 Jeff Tytler, 526 Sixth Ave., Collegeville, Pa.  
 KKG4472 David Bubeck, 109 East Main St., Schuylkill Haven, Pa.  
 KKG4482 Lee Petrucchi, 316 West Van Buren Ave., New Castle, Del.  
 KKG4967 Tom Worley, R.D. 1, Womelsdorf, Pa.  
 KKI0233 Houston Mullins, 321 Yorkshire Lane, Manassas, Va.  
 KKI2000 Tom Termini, 4611 Langrum Lane, Chevy Chase, Md.  
 KKI2063 Jack Mory, 2501 Washington Blvd., Balto., Md.  
 KKI2997 Don Breiweiser, 947 Maryland Ave., Hagerstown, Md.  
 KKI3355 Donald Vaughn, 318 Mulhenbury St., Woodstock, Va.  
 KKK0471 J.L. Kirkland, Route 7, Raleigh, N.C.  
 KKK0745 Jim Chocklett, 504 Denby St., Wilson, N.C.  
 KKK0927 Tommy Gay, 1146 Rodgers St., Chesapeake, Va.  
 KKK2366 Jack Barbour Jr., 1659 Old Buckroe Rd., Hampton, Va.  
 KKK2869 Kelly Howard, 415 Broad St., Oxford, N.C.  
 KKK4396 Lynn Bailes, 3033 Maywood Road S.W., Roanoke, Va.  
 KKK4410 Smylie Grantham, P.O. Box 364, Raeeford, N.C.  
 KKK6182 Gordon Gallowan, 211 Butler Rd., Fredericksburg, Va.  
 KKK6571 Vernon Taylor, Box 22, Altamahaw, N.C.  
 KKK6606 Rob Dalton, Bland, Virginia  
 KKK7550 Black Jack, P.O. Box 261, Colonial Heights, Va.  
 KKK8147 Lee Roy Rounon, 127 Alred Lane, Fayetteville, N.C.  
 KKK8262 Patricia Harris, P.O. Box 6, Bethel, N.C.  
 KKM0562 Bill Gibson, P.O. Box 2004, Macon, Ga.  
 KKM0735 Ebbie Odum, 140 Dupree St., Chester, S.C.  
 KKM0911 Grady Hill, 205 Walnut St., Union, S.C.  
 KKM1253 Buford Ritchey, 225 Davis Ave., Florence, Ala.  
 KKM2052 Linton Slappey, P.O. Box 52, Plains, Ga.  
 KKM2213 Lee Harvey, 2478 Sharrondale Drive N.E., Atlanta, Ga.  
 KKM4156 Fred Monday, 77 Brownwood Ave., Asheville, N.C.  
 KKM7129 Carl Stapleton, Route 1, Box 179-N., Helena, Ala.  
 KKM7382 Donald Wilson, 1529 Bush Blvd., Birmingham, Ala.  
 KKM7462 Charles Cromer, Route 1, Box 282A, Newberry, S.C.  
 KKM7788 Claude Witt, 814 S. Webb Ave., Crossville, Tenn.  
 KKM8374 Oswald Gibson, 206 E. Baruch, Denmark, S.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.  
 KKN0793 G.W. Page, Box 398, Lake View, S.C.  
 KKN1884 Raleigh Melborn, Box 293, Boone, N.C.  
 KKN1900 Dwight Edmisten, P.O. Box 544, Boone, N.C.  
 KKN2690 Carroll Rogers, Box 178, Middletown, Conn.  
 KKN3229 T.J. Gibson, Box 564, Bennettsville, S.C.  
 KKP0163 Jim Usry, 1206 Tennessee Ave., Lynn Haven, Fla.  
 KKP1645 Henry McLeod, P.O. Box 126, Perry, Fla.  
 KKP2232 John Sanders Jr., 3209 Cherokee Ave., Tampa, Fla.  
 KKP2242 Frank Wolfgang, 4729 Bay Vista Ave., Tampa, Fla.  
 KKP2650 Mark Stires, Venice, Florida  
 KKP3015 Patrick Flynn, Cherry Plaza Hotel, Orlando, Fla.  
 KKP4124 Gene Pairgin, 5111 68th Street North, St. Petersburg, Fla.  
 KKP4260 Clark Dickinson, Rt. 2 - Box 50, Perry, Fla.  
 KKR1231 David Cargill, P.O. Box 252, Ruston, La.  
 KKR4511 George Freeland, 810 South Broad St., Mobile, Ala.  
 KKR4656 Brad Brock, Route 1, Box 432, Vicksburg, Miss.  
 KKR5223 Charles Keathley, 3005 Loma Drive, Little Rock, Ark.  
 KKR6108 C.P. Lowe, 534 Robinhood Rd., Jackson, Miss.  
 KKR6231 Mike Anderson, P.O. Box 2626, Laurel, Miss.  
 KKT3677 Jerry Smith, B-4-Z College View, College Station, Texas  
 KKT3680 Le Winder, 4204 Oaklawn St., Bryan, Texas  
 KKT3774 Bill Freeman, 4000 Nagle, Bryan, Texas  
 KKV0713 John Polhemus, 6855 Arboreal Dr., Dallas, Texas  
 KKV0927 Dinky Hill, Route One, Rising Star, Texas  
 KKV3836 Clarence Norton, 512 W. Broadway, Longview, Texas  
 KKV4589 Paul Drennon, 2402 Anderson, Irving, Texas  
 KXX2834 Bessie Strainline, 1171 W. Miracle Mile, Tucson, Ariz.  
 KXX5057 John Mercado, P.O. Box 5063, Santa Ana, Calif.  
 KXX5201 Dale Fletcher, 54728 El Prado Trail, Yuca Valley, Calif.  
 KXX6462 Allen Weston, 129 So Regal St., Bakersfield, Calif.  
 KXX6641 Harvey Ingersoll, 531 Edith St., Walla Walla, Wash.  
 KXX7083 James Fuller, 405 Fillmore St., Taft, Calif.  
 KXX7642 Walter Koziel, P.O. Box 2212, Bell Gardens, Calif.  
 KXX8237 Steve Gibson, 18301 Minnehaha St., Northridge, Calif.  
 KXY0194 Skeeter Perkins, 24515 Vermont Ave., Harbor City, Calif.  
 KLA1014 Bob Balanco, 2183 Altamont Road, San Leandro, Calif.  
 KLA2692 Jeff Stern, 2307-1J - Pauline Dr., San Jose, Calif.  
 KLA3291 Paul Linehan, 2 Estabueno Dr., Orinda, Calif.  
 KLA3648 Jim Cox, 1865 Michigan, Stockton, Calif.  
 KLA5173 Chuck Hopper, 480 Sonoma Blvd., Vallejo, Calif.

KLA5339 Larry Horton, 2369 Mammoth Drive, San Jose, Calif.  
 KLA5519 Cliff Anfinson, 1830-32nd Ave., San Francisco, Calif.  
 KLA5629 Carroll Hatchell, 2222 Sacramento St., Vallejo, Calif.  
 KLA5847 Ray Broten, 40 Buena Vista, Vallejo, Calif.  
 KLA6402 Bruce Farley, 3679 Bryant St., Palo Alto, Calif.  
 KLA6569 Bob Wright, 1243 Sierra Mar Dr., San Jose, Calif.  
 KLA7163 Mart Erickson, 190 Cherry Way, Hayward, Calif.  
 KLA7360 Larry Coxson, 1439 Terilyn Ave., San Jose, Calif.  
 KLA7428 Jack Evans, P.O. Box 108, Ivanhoe, Calif.  
 KLA7441 Jim Lovell, 17811 Industry Rd., Geyserville, Calif.  
 KLC0405 Elmer Robertson, P.O. Box 1041, Nampa, Idaho  
 KLC1071 Ed Lyons, P.O. Box 2, Florence, Oregon  
 KLC1593 Joyce Robertson, P.O. Box 1041, Nampa, Idaho  
 KLD0511 Tex Warner, 506 Edith St., Walla Walla, Wash.  
 KLD0953 Keith Howe, 9001 - 16th Ave. S.W., Seattle, Wash.  
 KLD1817 Don Fletcher, 3432 So. 180 Pl., Seattle, Wash.  
 KLD2362 Richard Spengler, Rt. 1 - Box 48, Grangeville, Idaho  
 KLF1653 John McGuire, Box 12, Camp Douglas, Wis.  
 KLF2980 Steve Butler, 822 North Glendale Ave., Tomah, Wis.  
 KLH3541 J.B. Walker, 2803 Lewis St., Biloxi, Miss.  
 KLH4994 Jack Doggett, 8060 Dema Drive, Des Moines, Iowa  
 KLH6583 William Royal Jr., Syracuse, Nebraska  
 KLH7398 Bob Carr, 1507 Jefferson, Great Bend, Kansas  
 KLH7531 Max Meisel, 1328 Westview, Derby, Kansas  
 KLH8133 Norman Royal, Syracuse, Nebraska  
 KLH8315 Michael Anthes, 7804 Bloom Dr., Hanley Hills, St. Louis, Mo.  
 KLH8565 Art Jay, 312 No. Penn, Salina, Kansas  
 KL10112 Marv Wilkinson, 1100 31st St., West Des Moines, Iowa  
 KL10176 Dale Shellee, 1416 Maple St., Dallas Center, Iowa  
 KL11365 Glenn Earney, 928 Olympia Dr., Ferguson, Mo.  
 KL11434 W.H. Stalons Jr., 3903 Garfield, Lincoln, Nebr.  
 KLJ0255 Bob Pierce, 182nd St. - Box 382, Lansing, Ill.  
 KLJ0440 Don Thielsen, 2803 Iroquois Trail, McHenry, Ill.  
 KLJ1650 Dan Wright, 1336 Blaine Ave., Janesville, Wis.  
 KLJ2755 Marti Dwiell, 290 S. Wheeling Ave., Wheeling, Ill.  
 KLJ2946 Harold Bjorkquist, 8978 South 84 St., Franklin, Wis.  
 KLJ3382 Earl Gordon, 419 W. Grand Ave., Decatur, Ill.  
 KLJ3945 William Turner, 1728 Ford Ave., Owensboro, Ky.  
 KLJ4142 Jon Kramer, R. 1, Box 45J, 606 Highland Dr., Trevor, Wis.  
 KLJ4663 Bev Chappell, 3644 E. Minnie St., Decatur, Ill.  
 KLJ5993 Bob Frankowlak, 1722 Brown Ave., Whiting, Ind.  
 KLJ6057 Myrtle Hittle, 1601 So. 4th St., Richmond, Ind.  
 KLJ6167 Ron Kman, 7848 So. Austin, Oaklawn, Ill.  
 KLJ8259 Jack Jackson, Morocco, Indiana  
 KLJ9214 Pat Wasson, 200 S. 8th - Box 503, Maywood, Ill.  
 KLK1408 Pat Adams, 509 May St., Sumner, Ill.  
 KLK1975 W.H. Willett, Lewisport, Kentucky  
 KLK2079 Russell Smith, 107 So. State St., Louisville, Ky.  
 KLK2458 Lincoln Ide, 7842 So. McVicker, Oak Lawn, Ill.  
 KLK3372 Don Mlnerick, R.R. #6, Connorsville, Ind.  
 KLK3438 L.C. Webber, Ludlow, Ill.  
 KLK3619 Matt Loeffler, 2169 South 64th St., West Allis, Wis.  
 KLK3653 Art Prior, Route 1, Box 2, Trevor, Wisc.  
 KLK4588 Charles Cople, 1749 W. Ravina Park Rd., Decatur, Ill.  
 KLK4593 Jerry Gentry, 7807 Yates Blvd., Chicago, Ill.  
 KLK4830 Francis Wagner, Elizabethton, Indiana  
 KLK4886 Charlotte Stearman, P.O. Box 326, Albany, Ill.  
 KLK5005 Dave Karr, 320 Maplewood Dr., Antioch, Ill.  
 KLK5031 Jon Angle, 901 South Harlem, Freeport, Ill.  
 KLK5502 Dick Crider, 3033 Ute Ln., Lafayette, Ind.  
 KLK5617 Chuck Sylvester, 1629 East 86th Place, Chicago, Ill.  
 KLK5810 Irving Felzer, 2131 So. 15th Place, Milwaukee, Wis.  
 KLK5898 John Krefit, 503 Ravine Dr., Round Lake, Ill.  
 KLK6181 Jim Lostlen, c/o Artist Corp, Wis. Hotel, Milwaukee, Wis.  
 KLK6914 Terry Vosepha, 2723 So. Karlov Ave., Chicago, Ill.  
 KLK7004 Wm. Porath, 985 Reddin Ave., Neenah, Wis.  
 KLK7288 Bill Ohnesorge, 551/2 Bluff St., Dubuque, Iowa  
 KLK8300 Marlyn Kempf, Rt. 1 - Box 298, Cambridge, Wis.  
 KLK8405 Bob Dungan, 208 N. Main St., Dunkirk, Ind.  
 KLK8815 Dick Hadley, 607 Wesley St., Huntington, Ind.  
 KLK9539 Mike Geiger, Box 83, Culver, Ind.  
 KLL0077 Don Field, P.O. Box 65, Park Forest, Ill.  
 KLL0146 David Greer, 708 Peveler Dr., Russellville, Ky.  
 KLL0297 Bob Hubsch, 179 Westwood Drive, Park Forest, Ill.  
 KLL0681 Dick Stichter, 851 E. Pleasant St., Freeport, Ill.  
 KLL0809 Fritz Stearman, Albany, Ill.  
 KLL0995 Jim Mazurek, 1444 S. Clinton Ave., Berwyn, Ill.  
 KLL1090 Reid Kenley, P.O. Box 427, Maywood, Ill.  
 KLL1180 Doug Grimes, 2824 Downing Ave., Westchester, Ill.  
 KLL1281 Tom Wilson, 1603 Ruth Ann Drive, Centralia, Ill.  
 KLM0922 Bill Kasprzak, 236 Ontario Rd., Niles, Mich.  
 KLM1447 Lee Collins, 4814 Sundale, Drayton Plains, Mich.  
 KLM3971 Ray Gould, 1806 Kim Ave., Kalamazoo, Mich.  
 KLM4219 Eddie Welch, 177 Broadway Ave., Masury, Ohio  
 KLM4842 Bessie Hazen, 231 North Mead St., Zanesville, Ohio  
 KLM5051 Jim Swartz, 62 Stadium Drive, Tallmadge, Ohio  
 KLM5256 Jess Copeland, R. R. 1, Sawyer, Mich.  
 KLM6265 Terry Wright, 525 South Downing St., Piqua, Ohio  
 KLM7763 Jim Warner, 836 Pensacola, Pontiac, Mich.  
 KLM7788 Charles Holland, 942 Lingle Ave., Owosso, Mich.  
 KLM8313 Bob Sizemore, 7807 Hope Ave., Cleveland, Ohio  
 KLN0934 Leonard Beaudry, 32821 River Rd., E. Rockwood, Mich.  
 KLN1209 Ollie Ramey, 2922 Cypress St., Portsmouth, Ohio  
 KLN1732 Art Lucas, 1011 W. Cherry Creek Rd., Mio, Mich.  
 KLN2082 Bob Browning, 1217 North Avenue N.E., Massillon, Ohio  
 KLN3127 Jim Stroud, 10 Huntington Place, Kettering, Ohio  
 KLN3497 Ed Newton, 2120 Irving Drive, Benton Harbor, Mich.  
 KLN3731 Norm Sieggreen, 1532 N. Bond, Saginaw, Mich.  
 KLN4898 Ernie Zam, 2937 Northvale Road, Oregon, Ohio  
 KLN5598 Rawlings Funeral Home, London, Kentucky  
 KLN5649 Roy Wallington, Route 1 - Box 19, Augres, Mich.  
 KLN5768 Jim Nooney, Falling Rock, W. Va.  
 KLN6155 Bob Mills, 3802 Ash St., Kalamazoo, Mich.  
 KLN6235 Fritz Caccia, 3749 Longfield, Ravenna, Ohio  
 KLN6367 Tom Getgood, 426 Mitchell St., Sanford, Mich.  
 KLN7344 John Arnold, 8 E. Main St., Trenton, Ohio  
 KLN7841 Grace Beaudry, Route 1, Rose City, Mich.  
 KLN8016 Don Gold, 116 Stewart Ave., Sidney, Ohio  
 KLN8105 Gabby Blackie Rodabaugh, 10078 E. Coldwater, Davison, Mich.  
 KLN9155 Evans Johnson, 115 McKee, Manistee, Mich.  
 KLN9345 Jim Stephens Jr., 132 Lawnview Ave., Springfield, Ohio  
 KLN9798 Gene Neumann, Box 294, Bucyrus, Ohio  
 KLN9961 Orville Blumh, 1483 F. Bellum, Muskegon, Mich.  
 KLO0175 Paul Manville, 1736 Lombardy, East Highand, Mich.  
 KLO0366 Pete Snyder, 4321 - 10th Ave., Parkersburg, W. Va.  
 KLO0519 Don Jones, R.R. 2, Lawrenceburg, Ky.  
 KLO0598 William Lechner, 4441 Parnell, Pontiac, Mich.  
 KLO0754 Marvin Goff, 1524 Maryland Ave., Springfield, Ohio  
 KLO1270 Bob McClellan, Box 51, Elberta, Mich.  
 KLO2394 Howard West, 3711 Van Stone Drive, Milford R.3, Mich.  
 KLO2476 Barbara Race, R. R. 3 - Box 135, Vicksburg, Mich.  
 KLP0319 Pete Hons, 614 Main St., Portage, Pa.  
 KLP2846 Harold Greba, 610 Henry Lane, Irwin, Pa.  
 KLP4032 Milan Abbott, R.D. 1 Geneva Road, Lyons, N.Y.  
 KLP4360 Earl Bonenblust, 515 Whiting Road, Webster, N.Y.  
 KLP4976 Dick Todd, 157 Hobart St., Utica, N.Y.  
 KLP5005 Bud Fowkes, 1031 5th Ave., Duncansville, Pa.  
 KLP5033 Tom Zawrotny, Rathbone, N.Y.  
 KLP5280 The Bailey's, 1110 Ford St., Ogdensburg, N.Y.  
 KLP5686 Charles Johnson, 332 Huron Ave., Renovo, Pa.  
 KLP5750 Harlen Wood Sr., Box 526, Star Lake, N.Y.  
 KLP6039 William McKenna, 1354 Davis St., Elmira, N.Y.  
 KLP6053 Bob Clouser, 810 S. Wayne St., Lewistown, Pa.  
 KLP6626 Wallace Nolen, 12 Chase St., White Plains, N.Y.  
 KLP6639 Don Berman, 121 W. Ross St., Wilkes Barre, Pa.  
 KLP6705 John Fox, P.O. Box 92, New York Mills, N.Y.  
 KLP7094 Del Arthur, R. 3, Lowville, N.Y.  
 KLP7326 Robert Hurley, R. D. 1, Waynesboro, Pa.  
 KLP7516 Millie Widmeyer, Box 99-A - Martha St., Hopwood, Pa.  
 KLP7578 David Moss, P. O. Box 61, Endicott, N.Y.  
 KLP7749 Ray Bronder, 146 9th St., Monessen, Pa.  
 KLP7848 Bryan May, 417 Old River Rd., Wilkes-Barre, Pa.  
 KLP7879 Clarence Peet, Box 73, Port Crane, N.Y.  
 KLP8083 Howard Davidson, 26 Knight St., Glens Falls, N.Y.  
 KLP8282 Delevan Arthur Jr., R. 3, Lowville, N.Y.  
 KLP8509 Leonard Doty, Monessen, Pa.  
 KLP8791 Jim Smith, R.D. 3, Fort Plain, N.Y.  
 KLP8809 Don Shumaker, 147 Greenbrier Dr., Carnegie, Pa.  
 KLP9022 Fred Peterson, 515 South Main St., Jamestown, N.Y.  
 KLP9135 Tom Bryan, 409 West 4th St., Erie, Pa.  
 KLP9464 Fred Sherman, Beech Creek, Pennsylvania  
 KLP9534 Steve Delorm, 258 Spencer Rd., Rochester, N.Y.  
 KLP9557 George Booth, 971 Sweeney St., No. Tonawanda, N.Y.  
 KLP9618 Bill Lohnes, Box 176, Round Lake, N.Y.  
 KLP9656 Irvin Kimmel, P.O. Box 14, Tire Hill, Pa.  
 KLP9789 Ed Kindervater, Box 404, Hopwood, Pa.  
 KLP9831 Jerry Sherry, 51 Amador Pkwy., Rochester, N.Y.  
 KLQ0114 Fred Hamm, 1447 Union Center-Maine Hwy, Endicott, N.Y.  
 KLQ0123 Paul Blewett, 615 Valley St., Lewistown, Pa.  
 KLQ0391 Jim Connors, 10 Tobes Hill, Hornell, N.Y.  
 KLQ0423 Roy Clinch, Vernon Center, N.Y.  
 KLQ0457 Charles Goughnour, 207 Coldren St., Johnstown, Pa.  
 KLQ0888 Steve Pfaff, 204 S. Fairview St., Lock Haven, Pa.  
 KLQ0964 Pete Guy, Box 55, Middle Grove, N.Y.  
 KLQ1059 William Nagurney, 727 Marion St., Scranton, Pa.  
 KLQ1173 Lester Finnegan Sr., 8171 Main St., Williamsville, N.Y.

KLQ1273 Bill Gilligan, R.D. 5, Box 171, Latrobe, Pa.  
 KLQ1459 Terry Wildey, 47 W. Montgomery St., Bion, N.Y.  
 KLQ1560 Jud Kurlancheek, 242 East Dorrance St., Kingston, Pa.  
 KLR2202 Raymond Vonada, 304 James St., Flemington, Pa.  
 KLR2217 Don Anderson, 528 Ridge Ave., Cannonsburg, Pa.  
 KLR2302 Bill Caccia Sr., Box 67-R, D. #4, Greensburg, Pa.  
 KLR2774 Carl Jaegers, R.D. 2, Sunbury, Pa.  
 KLU0148 Daniel Miller, Land Of The Midnight Sun Broadcasters  
 KLU0267 Arno Stortzum, 909 Chugach Dr., Anchorage, Alaska  
 KMA0500 Sandy DeRoche, 9 Hazel St., Bangor, Maine  
 KMA0517 Earl Holbrook, 29 Maynard St., Attleboro, Mass.  
 KMA0678 Dave Thomas, 13 Lucian St., Manchester, Conn.  
 KMA0875 Jim Lyman, Nursery St., Norwalk, Conn.  
 KMA1395 Ray Martel, 143 Parker St., New Bedford, Mass.  
 KMA1685 Henry Fratus, 384 Adelaide Ave., Providence, R.I.  
 KMA2134 Mike Casale, 159 Purnam Ave., Johnston, R.I.  
 KMA2378 E.L. Bradshaw, 114 Walter St., Bangor, Maine  
 KMA2393 Paul Bond, W. Lebanon, New Hampshire  
 KMA2418 Irving McKirryher, 421/2 Freeman Ave., Rutland, Vt.  
 KMA2531 Mike Palmieri, 1 Brigham St., Waterville, Maine  
 KMA2625 Leo Paradis, 540 Mt. Pleasant St., New Bedford, Mass.  
 KMA3491 Chris Marinelli, 45 Milton St., New Britain, Conn.  
 KMA4164 John MacDonald, Warren, New Hampshire  
 KMA5273 James Stuart, 45 South Main St., Baldwinville, Mass.  
 KMD0428 David Bellask, 1159 E. 42 St., Brooklyn, N.Y.  
 KMD0490 Fred Decter, 339 Leslie St., Newark, N.J.  
 KMD0992 Howard Kuneke, 518 Mountain Ave., Springfield, N.J.  
 KMD1314 John Humphries, 102 Lincoln Ave., East Paterson, N.J.  
 KMD2436 John Erwin, 38 Gouverneur St., New York, N.Y.  
 KMD2632 Donald Heide, 2732 Batchelder St., Brooklyn, N.Y.  
 KMD3059 Bruce McPherson, 231 Wales Ave., River Edge, N.J.  
 KMG0201 Gerry Hunsicker, 311 9th Ave., Collegeville, Pa.  
 KMG0471 Charlie Stauffer, R.D. #1, Holtwood, Pa.  
 KMG0524 Gary Nicholson, 801 N. Pitt St., Carlisle, Penna.  
 KMG0791 Gregory Pace, 910 Redwood Drive, Carlisle, Pa.  
 KMI0032 Steve Ray, 516 E. Olive St., Bridgeport, W. Va.  
 KMI0229 Tye Becker, 6 Jo Harry Rd., Fairmont, W. Va.  
 KMI0759 Whit Strunk, 52 Broadway, Hagerstown, Md.  
 KMI0928 Jim Shaffer, 109 South Front St., Georgetown, Del.  
 KMK0568 Jack Pridden, 408 W. 19th St., Lumberton, N.C.  
 KMK0600 R.C. Shanks, P.O. Box 252, Montross, Va.  
 KMK0678 Edith Grantham, P.O. Box 364, Raeford, N.C.  
 KMM0526 Charles Quinley Jr., 507 West 3rd St., So. Pittsburg, Tenn.  
 KMM1177 Ted Booth, 231 Illinois St., Travis A.F.B., Calif.  
 KMM1484 Jerry Morgan, 106 Merchant St., Mt. Pleasant, Tenn.  
 KMM2386 Linda Chaffin, 505 First Ave., Mt. Pleasant, Tenn.  
 KMP0458 Dave Pybus, 122 Keystone Plaza, Panama City, Fla.  
 KMP0707 Jimmy Roberts, 2304 Palmdale St., Jacksonville, Fla.  
 KMP0848 Jim Skidmore, Route 2, Box 281, Palatka, Fla.  
 KMR0014 Mark Stevens, Route 6, Box 321, El Dorado, Ark.  
 KMR0303 Hammond Skeen, Box 949, Tupelo, Miss.  
 KMR0848 Scott Allen, 1090 Meadow Heights, Jackson, Miss.  
 KMR1149 Linda Loftin, Rt. 1 - Box 429, Deridder, La.  
 KMR1510 James Scroggins, Scroggins Hardware, Belzoni, Miss.  
 KMT1506 Vernelle Cates, 1310 North Dakota, Baytown, Texas  
 KMV0649 Harold Maynard, Box 361, Vinita, Okla.  
 KMV1871 Jim Sander, 5012 Bragg Ave., El Paso, Texas  
 KMX0073 Jim Stewart, 9335 Carmel Rd., Atascadero, Calif.  
 KMX0440 Warner Mayden, 385 Venus Ct., Rt. 1, Nipomo, Calif.  
 KMX0684 Lois Fletcher, P.O. Box 924, Yucca Valley, Calif.  
 KNA1504 Mike Forsyth, 789 Colusa Ave., El Cerrito, Calif.

KNND0168 Barry Simpson, 4819 So Fife, Tacoma, Wash.  
 KNH0786 Bill Howard, 2700 Grandview Ave., Des Moines, Iowa  
 KNH1567 Bob Wieland, 2633 Edgewater Drive, Springfield, Mo.  
 KNH2587 Frank Mauler, R.F.D. 1, Olmitz, Kansas  
 KNH3016 Lees Auto Repair, 101 Fannie, Lemay, Mo.  
 KNH3742 James Stell, 5734 Chestnut St., Kansas City, Mo.  
 KNJ0939 Charlotte Baxter, R. 2 - Box 342, Sherrill, Iowa  
 KNJ1227 Carl Galles, 2229 Ohio, Granite City, Ill.  
 KNJ1478 Jim Heafer, 1503 E. Taylor St., Bloomington, Ill.  
 KNJ1768 Weldon Coldren, 10 East St., Wabash, Ind.  
 KNJ2128 Jim Siddons, 604 20th Ave. Ct., East Moline, Ill.  
 KNJ3086 Janet Stanley, 334 N. Franklin St., Dunkirk, Ind.  
 KNJ4063 Charlie Ulshafer, 270 Ross Ave., Wabash, Ind.  
 KNJ5199 Henry Turner, 412 East Adams St., Rushville, Ill.  
 KNJ5446 Steve Schneider, 9105 Austin Ave., Morton Grove, Ill.  
 KNJ6056 Judge Littell, R. 6, Lake Edgewood, Martinsville, Ind.  
 KNJ7169 Robert Eurick, R.R. 2 - Box 20B, Noblesville, Ind.  
 KNNM0578 John Fiedgia, 30430 Eddy Road, Willoughby, Ohio  
 KNNM0810 Don Theisen, 53 Norwood Ave., Norwalk, Ohio  
 KNNM1400 Gerald Kocher, Route 7, New Martinsville, W. Va.  
 KNNM1533 Glen Wright, Rt. 1 Box 122 A-1, Hurricane, W. Va.  
 KNNM2171 Helen Maturen, 1003 Court, Saginaw, Mich.  
 KNNM2322 Chuck Sisler, 140 Montgomery Lane, Mingo Junction, Ohio  
 KNNM2398 Cy Swegert, 2162 Pleasant Ave., Hamilton, Ohio  
 KNNM3486 Norm Van Heste, 601 T.C.S. DET 300, APO N.Y., N.Y.  
 KNNM3839 Skye Wittig, 603 Spruce St., Manistee, Mich.  
 KNNM4121 Marion House, P.O. Box 357, Winchester, Ky.  
 KNNM4722 Ron Miller, 223 Lincoln St., Zanesville, Ohio  
 KNNM4813 Jim Waters, 28 S. Pembroke Ave., So. Zanesville, Ohio  
 KNNM6195 Larry Reed, Box 2075, Williamson, W. Va.  
 KNP0126 Earl Sprague, Port Henry, N.Y.  
 KNP0224 Dave Latina, 458 Harvest Drive, Rochester, N.Y.  
 KNP0368 Tom Albertin, 60 Northern Blvd., Haganan, N.Y.  
 KNP0457 Jeff Ohlsson, 86 Bowen St., Jamestown, N.Y.  
 KNP0567 Bob Ivanoff, 726 Ellsworth Ave., Jeannette, Penna.  
 KNP1200 Chuck Kratochvil, 111 Cort St., Jeannette, Penna.  
 KNP1255 Bob Kobuck, 303 6th St., Tyrone, Penna.  
 KNP1444 Paul Clark, 863 Monaco Road, Monaca, Pa.  
 KNP1445 Earl Roehl, 861 Monaca Road, Monaca, Pa.  
 KNP1806 John Rose, 431 Jackson St., Summerhill, Pa.  
 KNP2708 Joe's Barber Shop, 115 Brownsville Rd., Mt. Oliver, Pa.  
 KNP2730 Dick Newell, 395 Fairmount, Jamestown, N.Y.  
 KNP2915 John Bryant, Route #4, Brookville, Pa.  
 KNU0024 James Schubauer, 420 Haines, Fairbanks, Alaska  
 KNU0079 Dale Martin, 516 N. Pine St., Anchorage, Alaska  
 KNZ1903 George Abele, 220 Reese St., Sandusky, Ohio  
 XM112045 Lloyd Tait, 132 Riverside Dr., Pentiction, B.C.  
 XM23597 Byron Orge, P.O. Box 1122, Medicine Hat, Alberta, Can.  
 XM33818 Douglas King, Box 1289, Estevan, Sask., Canada  
 XM412800 Skippy Massam, 66 Guthrie Ave., Toronto, Ont., Canada  
 XM414109 Doug Ailles, 48-22nd St., Toronto, Ont., Canada  
 XM43614 Jacob Fehrman, R.R. 1, Port Colborne, Ont., Canada  
 XM431259 Denis Dubois, Box 71, Welland, Ontario  
 XM522895 Bernard Rachlin, 2615 Kent Ave. #204, Montreal, Quebec  
 XM53463 Francois Goyer, 259 Rue Moisan, Drummondville, P.Q.  
 XM551755 Leo Dupere, 92 Royal Roussillon, Quebec, Canada  
 XM56066 Gilles Petit, 409 St. Joseph, La Tuque, P.Q., Canada  
 Atl.1515 Rob Dalton, Bend, Virginia  
 Cent.3250 David Sigo, Rt. 1 - Box 153, Goodland, Ind.  
 North3020 Robert Ream, 608 High St., Lancaster, Pa.  
 North3300 Tom Bolling Jr., 233 Temple St., Fredonia, N.Y.  
 WPE1GEM Edward Majej, 193 Oak St., Indian Orchard, Mass.  
 WPE1GHX Roger Murphy, 48 Ridgewood Ave., Keene, N.H.  
 WPE2NHV Gerry Schechter, 3535 Kings College Pl., Bronx, N.Y.  
 WPE2NIR Tommy Berlinger, 105 Mount Hope Place, Bronx, N.Y.  
 WPE3FQQ Donald Schmitt, Box 14, Gettysburg, Penna.  
 WPE3FSC Robert Ream, 608 High St., Lancaster, Pa.  
 WPE4ENC Jimmy Bullock, 1628 Long Ave., Nashville, Tenn.  
 WPE6ETT Harry Okey Jr., P.O. Box 1526, La Jolla, Calif.  
 WPE6GBC Henry Slade, 136 Tamarack St., Vandenberg AFB, Calif.  
 VE3PEILO Keith Ryan, 1641 Grasmere Cres., Ottawa, Ontario  
 TRQ1000 David Bubeck, 109 E. Main St., Schuylkill Haven, Pa.  
 VCC1435 Frank Karcher, 3632 SW 7th St., Miami, Fla.  
 ONL170 Jacques Camille, UBA Postbox 634, Brussels, Belgium  
 OZDR1261 Palle Nielsen, Humlebaekgade 13", Copenhagen N, Denmark  
 Ralph Bryant, 716 Riverside Dr., Fairfield, Conn.  
 Ruth Charon, 109 Bowers St., Holyoke, Mass.  
 Richie Krug, 11 Emmett St., New Hyde Park, N.Y.  
 Central Printing, 920 Vandeventer, Fayetteville, Ark.  
 Jack Allen, 203 Ave. F., Brooklyn, N.Y.

## FOR THE VERY BEST QSL CARDS

It's FRANK B. MATHEWS Adv. Art  
 ADVERTISING ART. All of our CB  
 QSL cards are printed in full color,  
 on glossy stock, using the latest  
 in modern designs.

FRANK B. MATHEWS Adv. Art  
 1616 Rural St., Rockford, Ill. 61107



WRITE TODAY FOR FREE SAMPLES



HEY GANG!

БУДУ

BOY!

מיניא

NOW!

ACHTUNG!

AHORA

Whoopie!

UNBELIEVABLE

מיניא

FINALLY!

# The GIANT 1965-1966 Who's Who in CB Directory

It's finally on the presses, the big, giant, fantabulous, ever lovin' WHO'S WHO IN CB DIRECTORY 1965-66! Yes, the vital statistics on every "In" CB'er on the band; hundreds upon hundreds of listings showing callsigns, 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



\* \$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 \_\_\_\_\_ am not listed in this Directory.

Special club subscription rates for \$9

August 1965 • 67



# WASHINGTON OUTLOOK

These CB'ers lost their license due to FCC revocation during the past month:

10Q0927, Donald Barratt, Dallas, Tex. (failing to reply to official communications).

KPP1438, Thomas E. Johnson, Miami, Fla. (failing to reply to official communications).

KEE3397, Russell V. Siddell, Brazoria, Tex. (failing to reply to official communications).

KBA3308, Allan Greenier, Worcester, Mass. (failing to reply to official communications).

KDI3651, David S. Bernheim, Tampa, Fla. (nonpermissible communications).

KDD5037, Martha H. Reid, Atlanta, Ga. (nonpermissible communications, exchange of communications exceeding five consecutive minutes, and failure to identify station).

IQ1967, Howard H. Morgan, Rutland, Vt. (failing to reply to official communications).

KKP1292, Clyde J. Hill, Tampa, Fla. (failing to reply to official communications).

KKA1598, Bruce R. Sinclair, Hingham, Mass. (failing to reply to official communications).

6Q5895, J. S. Christian, Birmingham, Ala. (failing to reply to official communications).

• These CB operators received notices for them to show cause why their respective licenses should not be revoked:

KLK0147, Robert J. Dietrich, Sr., Washington, D.C. (failing to reply to official communications).

KFC0876, General Electronics Mfg. & Maint. Co., San Pablo, Calif. (failing to reply to official communications).

KLK8592, Clarence Leslie, Louisville, Ky. (failing to reply to official communications).

KKM7320, Gainesville Sewing Machine Co., Gainesville, Ga. (failing to reply to official communications).

KDE3799, Bud Moates, Aragon, Ga. (nonpermissible communications, failure to identify station, failure to operate station within prescribed frequency tolerance, transmissions in excess of five consecutive minutes, and failure to address communications to a specific station or person within the direct groundwave coverage range).

• The following operator was given a \$200 monetary forfeiture notice:

KKM7750, Wayne M. Graham, Atlanta, Ga. (repeated nonpermissible communications and failure to identify station).

• These CB'ers were hit with \$100 monetary forfeitures:

KLK7858, John Leslie, Jr., Louisville, Ky. (nonpermissible communications).

KNP0075, James E. Harr, Ligonier, Pa. (repeated nonpermissible communications).

• These were the many CB'ers who had their original \$100 forfeiture liabilities reduced to \$25 due to mitigating circumstances:

KEJ3439, Louis G. Miller, Lakewood (Artesia), Calif.

KLK9677, John H. Schumake, Louisville, Ky.

KKR4753, Thomas H. Adair, Mobile, Ala.

KKP0737, Mitchell Middleton, Delray Beach, Fla.

KDI3528, Irby C. Tyner, Fort Lauderdale, Fla.

KDI3060, Leslie S. Goldberg, North Miami Beach, Fla.

KEB0633, Ben McMillan, Jackson, Miss.

KIC0185, Willia J. Lewis, Rochester, N. Y.

11W47494, Uneeda Joy Window Cleaning Co., LaMirada, Calif.

KFA3121, Theodore H. Abrahams, Huntington Beach, Calif.

KFJ0655, Guy W. Phillips, Spokane, Wash.

KDI4435, G. F. Nichols, Tampa, Fla.

KDD7813, William F. Algood, Atlanta, Ga.

• The FCC even cancelled one \$100 monetary forfeiture when the operator explained his position and requested the cancellation. This was:

KKI0485, Ray D. Lambert, Falls Church, Va.

The FCC dismissed their show cause proceeding against KDB5274, Wyman E. Shipes, of Baxley, Ga. Shipes paid a forfeiture of \$25 and has taken corrective measures to preclude recurrence of the violations which formed the basis for the proceeding.

They dismissed the show cause proceeding against KX3435, James H. Bruce, Santa Ana,

Calif. The show cause notice was combined with a \$100 monetary forfeiture and this amount was reduced. Bruce has assured the Commission that he has taken corrective action to assure that their correspondence will be answered promptly in the future.

The Commission granted the petition for reconsideration of his license revocation which was presented by 19Q1365, Thomas Janes, Plainwell, Mich. The revocation order of July 16, 1964, was set aside.

Proceedings to show cause why the license of 1W7777, Adrien R. LeBlond, d/b as LeBlond's Radio & TV, Biddeford, Me. should not be revoked were dropped. The license has been cancelled at the licensee's request.



## READER MAIL

*Continued from page 4*

fraternity here in West Germany. A new arrival from XM-land popped up here with a pair of portables. A small start, yes; but it's a foot in the door. I was quite pleased when I saw in "Stars and Stripes" that CB radio is trying to progress with the U.S. Army personnel here in West Germany. There is nothing more that I would like to do than be able to pick up a CB mike and have from one to one hundred words with someone over here. Alas, the American forces (south of us) are a bit too far for a CB contact. Oh well, CB via pen is better than nothing at all. I look forward to receiving QSL cards from all of you.

SC139226, Pte. T. M. Dorward, XM49947  
Medical Reception Station  
Fort Chambly  
Soest, W. Germany

*Readers interested in some behind the scenes information on the progress of CB with the armed forces in West Germany will be interested in reading our special report, "CB FUROR IN GERMANY," in this issue.*



## KBG4303 RIDES AGAIN

*Continued from page 7*

instance, TVI on the 6 meter band, undermodulation, overmodulation, distorted modulation, out-of-band operation, key clicks, CW notes containing raw AC, abounds. It hardly seems likely that anyone would ever propose type acceptance of Amateur equipment.

Then consider this. We already have several million pieces of CB gear on the air. In 1970 there should be at least three or four times this number. Who will enforce the new law to see that all non-approved gear is retired? The FCC has a difficult enough time trying to ride herd on CB now! Perhaps they would ask for an increase in CB license fees to finance the door-to-door

survey they would have to take in 1970 to enforce the law.

For these reasons, I feel that the adoption of the Hallicrafters resolution will accomplish nothing constructive, will retard the state of the art, will not be enforceable, and will result in increased prices for CB gear at the consumer level. In the interests of our readers we cannot support this petition.

## CONGRESS ACTS

There have been several congressional attempts to halt, or at least change, the new version of the CB rules. One such attempt, Representative Frank Bow's, is discussed at length elsewhere in this issue.

Another bill is number H.R. 7747 which was presented by Representative Arch Moore of West Virginia. Very simply stated in only two sentences, the bill would nullify the April 26th version of the CB rules and reinstate the "old" pre-April 26th rules. It should be noted at this point that the bill states that Mr. Moore's offering was presented "by request," which means that some one or more of Mr. Moore's constituents asked him to introduce it, although he does not personally endorse it. We can then presume that Mr. Moore has launched the vessel but will most likely not guide it through any storms which might arise. As a result, you should recognize this bill for just what it is—some sort of political window dressing done as a favor to an influential friend of the Congressman.

Congressman Bow's appeal seems to us to be a genuine effort to be of service to CB'ers. We hope that he succeeds.

## SUZIE SEZ

For months now we have been hearing from the many CB gals that we have been ignoring their contributions to the welfare of the band. Several times it has been suggested that we devote a regular corner of S9 to the gals—a corner all to themselves. OK, we are willing to try anything to keep you happy.

You CB gals are invited to send in any items of interest to S9—this means weddings, engagements, births, photos, back fence CB gossip, even recipes which keep your mobile CB'ing husbands home at nights—anything of interest. If your local club has a column for the gals, then furnish us regularly with a copy of your paper. Send all of this material to "Suzie Sez," that's the proposed name of our potential corner which is to be organized by our own Suzie. Even if your club regularly furnishes S9 with a copy of the club paper, Suzie would appreciate her own copy (because John Krejc gets his hands on the copies you have been sending in the past).

Remember, *you* have been bugging *me* on this for these many months. *Now* is your

chance. You gals always seem to have *plenty* to say at club meetings and if you can jot some of it down and send it to Suzie, we will have a nice column for you. If you give me the silent treatment (the way you treated Herman when he spent his last bonus on that new rig) we won't be able to run the column you asked for.

### JAG ANYONE?

The June issue's article on CB's *INS* and *OUTS* mentioned my passion for Jaguars—not the fuzzy kind with paws, but the sleek kind which roars, snorts, and goes indecently fast. The item brought inquiries from a scattered handful of fellow Jag enthusiasts who, like I, share their spare time between the "cats" and CB. Frankly, I rarely come across anyone similarly afflicted with both "problems."



My particular breed of cat is a 1958 3.4 litre Mark I rigged up with a '63 3.8 XKE mill—three carbs and all. Also Pirelli Cinturados. All in all it tops 140.

### STATISTICS, ANYONE?

We got to fooling around with numbers the other day and came up with some statistics on CB which probably won't be of any real use to you but may be of some mild interest.

For instance, if all the licensed CB rigs were evenly distributed throughout the 50 states, there would be a CB'er every 1.8 square miles. If all the CB'ers moved to Texas, we would have more than 76 operators per square mile—but get this, if we all converged on Rhode Island, that would pack us in to the tune of about 1700 per square mile. That means that each of us would have an operating area which was about 3 feet square. You say that a 3 foot square is about all you have right now? Well, then we're sorry we brought up the whole subject.

### ATTENTION MANUFACTURERS

Many of you have written or called to ask if S9 can furnish a list of CB clubs which might be available to you for use as a mailing list. Until now, we have not been able to furnish such a list because our Circulation Department didn't

want to let go of the thing. Apparently there were sufficient requests to force them to change their mind on the subject, so, effective immediately we can now make our list of 1500 CB clubs available for rental to all manufacturers desiring the same. This list is current and kept continually up to date. If you're interested in using the list, please contact, Mr. Harry Turok at S9 and he will work out the details with you.

### COMING SOON

Although still in the early formative stages, I think I might as well let you in on a big secret. It looks as though we will have a giant super-special issue of S9 some time this fall. It appears that this will be a 96 pager and will probably contain a special section on some particular aspect of CB in addition to a whole bucket full of feature articles and columns. Subscribers will receive this issue at no additional cost, although the newsstand price will most likely have to be increased. There is a message kicking around somewhere in that last sentence which should be of special interest to non-subscribers.



### ANTENNAS

*Continued from page 37*

posts strewn over the country. (There are now about 425 people in this operation.)

But the most devilish part of the system occurs in the center of the room. There are several big boards, each bearing a map of the U.S.A. Every once in a while, a gentleman goes over to one of them and does something curious with some pins and pieces of string. Studying the map for a few moments makes the meaning clear. Those strings span criss-cross fashion. They for a big "X" that marks the location of an illegal or suspicious signal. In adjusting these strings, the FCC engineer is actually plotting directions, based on incoming reports from distant monitoring stations. When sufficient lines are across the map, the suspicious station is nicely pegged at a crossover point. Now the local investigators can trundle out their sniffers, field-strength meters and other gear.

Of course these facilities are not set up just for the illegal CB operator. They're mostly used for more serious business. One of those maps, for example, recently pinpointed, of all things, a mid-west furniture manufacturer. He was found to be interfering with radio channels used by the airlines for navigation. Seems that the manufacturer was using radio-frequency heating equipment for one of his processes. Inadequate shielding radiated interference.

Several other functions of that FCC office are in the secret category. It is known, however, that other government agencies—like the FBI and CIA—occasionally get assistance in their spy-hunting activities. But in between it's ready to track down, sniff out and overpower the law-breaking CB'er.



## COMING EVENTS

Continued from page 58

The Echo Radio Club, Inc. is holding a CB Round-Up in Elkins, West Virginia, August 15th. Contact: Bailey Curtis, 1028 Harrison Ave., Elkins, West Va., or Echo Radio Club, P.O. Box 322, Beverly, West Va.

3rd Annual Jamboree, September 4th and 5th, the Cape Fear Valley will hold its jamboree, at White Lake Cosira, White Lake, North Carolina. Contact: James L. Deaver, Box 214, Bladenboro, N. C.

1st Annual Jamboree of the Cenla CB Radio Club, Inc., Sunday, August 15th at Harold Miles Park, Highway 1, North, Alexandria, Louisiana. Monitor channel 3. Contact: Cenla CB Radio Club, P.O. Box 4351, Alexandria, La.

Granite State CB Club, Inc. will sponsor the 2nd Annual Rally, August 8th, Belknap Recreation area at Gunstock, Route 11A, Gilford, New Hampshire. Monitor channel 11. Contact: Granite State CB Club, Inc., F.O. Box 503, Laconia, N. H.

Bergen County Citizen Banders, Inc., will hold their 4th Annual Jamboree, September 12th at Sundance Lodge, Route 46, west of the mountain view circle, Fairfield, N. J. The lodge is located just off the corners of Route 46 and 23. Jamboree chairman is Lee Janow. Contact: B.C.C.B., P.O. Box, 83, Fair Lawn, New Jersey.

Rocky Mountain CB Jamboree, August 21st and 22nd, Jefferson County Fairgrounds, 15200 W. 6th Ave., Denver, Colorado. Grand prize—Browning Eagle. The event is sponsored by the Metro CB Club of Denver. Contact: Bill Hudson, 3550 So. Penn Street, Englewood, Colorado 80110.

The Northern Berkshire Emergency Communications Club, Inc., will hold their CB Jamboree, August 29th, Anthonys Pond, Adams, Mass. All publicity is handled by Henry Mahar, KMA0174, with Bill O'Neil, KBD1042, Jamboree Chairman. Site: Anthonys Pond, West Road, Adams, Mass.

CB Jamboree, August 8th, at the Brunswick Eagles Club Park, Route 340, Brunswick, Maryland. Sponsored by the Frederick County CB Club. Jamboree control 9 and 11.

3rd Annual CB Picnic and Jamboree, sponsored by the Tri CB Radio Club, August 8th, Black Moshannon State Park, Skeet Field, Route 504, 9 miles east of Phillipsburg, Penna., or 8 miles west of Unionville, Penna. on Route 504. Jamboree control channel 11.

September 19th, the Quad County CB Radio Club of Walkerton, Indiana, Jamboree at La Porte Fairgrounds, State Road 2 west, La Porte, Indiana. Contact: Kathy Perkins, Box 27, Mill Creek, Ind.



## LAB REPORTS

Continued from page 43

which was nearer 9 kc/s with somewhat less than 50 DB adjacent-channel selectivity; however, it was found satisfactory for most situations. Like most receivers with a last IF of 1650 kc/s, you may get the impression that the C-560 has little "hop," because of the low background noise; nevertheless, when a signal is there, you'll hear it, in fact, a signal as low as one microvolt will register on the S-meter.

The transmitter sounds nice over the air and packs a good punch with clean quality that can be assured by monitoring with the modulation indicator lamps on the panel.

The Knight-Kit C-560 CB Transceiver Kit is priced at \$89.95 with PTT noise-cancelling ceramic mic, plugs and cable material for 117 VAC and 12 VDC use, mobile mounting bracket, but less crystals. Also available in AC only model for \$82.45. Transmit crystals are \$2.50 each, receive crystals are \$2.50 each; specify channel when ordering. The producer is Knight Electronics, 2200 Maywood Drive, Maywood, Illinois.



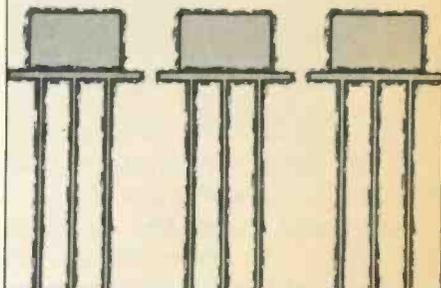
S9 = more news, more authors, more value!

## 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: \_\_\_\_\_

August 1965 • 71



*If this doesn't shake up visitors at your shack, nothing will.*

*Want one? Send 50¢ in coins (no stamps or checks please) to: "King of the Band," S9 Magazine, 14 Vanderventer Avenue, Port Washington, N. Y. 11050.*

## 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  
S9 Magazine  
14 Vanderventer Avenue  
Port Washington, N. Y. 11050**

## 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 "W3CJL"** Since 1939—Quality CB-WPE-QSL cards. Samples 10¢ with catalogue 25¢. 3111 Lehigh, Allentown, Pa.

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

**CARD SWAPPERS!** Want to build up your card collection? Send us 10 of your cards and we will guarantee you 10 different cards in return. Enclose an envelope with 10¢ postage on it, large enough to hold 10 QSL's, we will do the rest. Swapland, % 353 Highland Ave., Middletown, New York 10940.

**QSL CARDS**—Free samples—Catalogue 20¢—Knight Printing Co., 1550 Downey, Indianapolis, Indiana.

Free wholesale catalog: Tubes, transistors, parts, equipment. Why pay more? **ROYAL**, Box 2591, El Cajon, California.

"Audio-Aid-All" Clipper-Filter kit, \$10.99; \$14.99 wired. Boosts modulation, aids reception. NJ-7 Noisejector, \$4.49. SK-20 Preselector for SWL's, kit \$18.98. Postpaid. **HOLSTROM**, Box 8640-S, Sacramento, California 95822.

**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.

**POOR MAN'S INVESTMENT**—The U.S. Mint in San Francisco was closed down in 1955—today its products are getting mighty scarce. Some "S" mint marked Lincoln pennies in circulated condition today sell for as much as \$57, \$65, even \$235. Here's your chance to invest a few cents towards the possibility of having a real winner in a few years. We have a limited supply of good condition "S" pennies and can offer them at only 5¢ each, or 25 for \$1. Please enclose self addressed, stamped envelope. Dates of our choice. Pay for your order with "Mercury" dimes and receive 3 "S" Lincolns for the price of 2. Write E. Steinhardt, 5510 13th Ave., Brooklyn 19, N. Y.

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

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

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

F.C.C. Labels, Plastic Packets, Eyeball Cards, Call Sign Decals, QSL Cards—Free samples. Fluorescent and glossy card stock. Latest designs and ink colors. April Sign, 56290 Van Dyke, Washington, Mich.

3-D QSL's—Top choice of leading card swappers. Spectacular spaceage samples, 25¢ (refundable). 3-D QSL Co., Monson 3, Mass. 01057.

**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.

**SELLING** Beautiful condx General MC-5 unit, full accessories, 9 sets crystals, all power cords for 6/12/110 volts. Will sacrifice at \$125. Gene Pfeiffer, KBG8157, 2032 St. Paul Ave., N. Y. 61, N. Y.

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

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

Krome-coated QSL's \$10.00 per 1000 Crystalon Stock available. Many colors of ink. 10¢ for samples, information. DOT PRINT SHOP, Haines City, Florida.

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

K

## 3" Gold CALL DECAL Sets

your CB call \$1 PPD.  
2 SETS \$1.50

Complete set of individual 3 1/4" gold face, black outline letters & numerals for your CB call sign. Apply inside or outside of glass, on metal, wood, etc. FREE MONITORING DECALS for one channel with each set. (Specify your channel.) Satisfaction Guaranteed or your money back.

7435 West Irving Park Road, Chicago, Illinois 60634

NORDLUND-1805121

# HALT!

## 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**

# FREE ALL NEW

## 1966 HAM/CB CATALOG



WORLD RADIO LABORATORIES

SEE WRL'S EXCLUSIVE HAM/CB GEAR!

TUBES, PARTS ETC., AT LOW-LOW PRICES.

SELECTED GOOD BUYS ON RADIOS, RECORDERS, ETC.

SPECIAL PURCHASES FOR ELECTRONIC BUILDERS

MOST COMPLETE AMATEUR EQUIPMENT LISTINGS EVER COMPILED

BUY ANYTHING ON OUR EASY-PURCHASE CREDIT PLAN

GET YOURS TODAY

### WORLD RADIO LABORATORIES

3415 WEST BROADWAY, COUNCIL BLUFFS, IOWA 51504

Rush me your Free 1966 Catalog

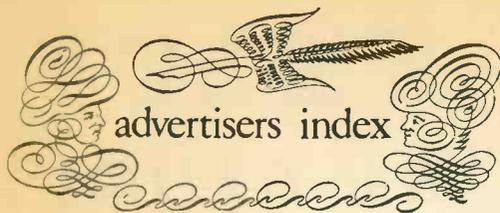
Name

Address

City  State  Zip

S9 = more news, more authors, more value!

August 1965 • 73



## advertisers index

Alliance Mfg. Co. ....	11
Allied Radio Corp. ....	76
American Sportswear .....	48
Antenna Specialists Co. ....	36
Astatic Corp. ....	1
Browning Laboratories, Inc. ....	3
Barbett Reproductions .....	13
Channel 9 Decal .....	73
Demco Electronics .....	23
Eastern Electronics .....	48
e.c.i. electronics communications, inc. ....	6
General Radiotelephone Corp. ....	Cover 4
Harmon Morse Radio .....	75
Hallicrafters Co. ....	30
Hornet Antenna Products .....	49
Hy-Gain Antenna Products .....	Cover 3, 14
International Crystal Mfg. Co. ....	Cover 2, 46
Johnson, E. F. Co. ....	5
Knights, C. T. S., Inc. ....	75
Knox Electronics .....	48
Lafayette Radio .....	8
Master Mobile Mounts .....	21
Mathews QSL's .....	66
Metrotek Electronics, Inc. ....	41
Mosley Electronics .....	50
Multi Elmac Co. ....	58
New-Tronics Corp. ....	56
Pearce Simpson, Inc. ....	21, 51
Petersen Radio Co., Inc. ....	42
Project Aid .....	72
Raytel .....	47
RCA .....	43
Sonar Radio Corp. ....	55
S9 Subscriptions .....	35, 44
Terry Electronics .....	48
Texas Crystals .....	52
Tram Electronics .....	24
United Scientific Labs .....	19
Waters Manufacturing, Inc. ....	54
Who's Who in CB .....	67
World Radio Labs .....	53, 73

**CB SPORTSMEN!** The famous TR-SONIC FISH CALL — brings the fish right to your hook in fresh or salt water. Sold nationally for \$13.95, only \$8.95 to S9 readers. Complete with batteries. Custom Electronics Co., 2929 Fulton Street, Brooklyn 7, N. Y. Say you saw it in S9.

**CB-QSL-EYEBALL CARDS**, samples, price list 25¢ refundable. XANDER'S, 122 South 2nd St., Lehighton, Pa.

**CB Crystals—Immediate Delivery—1-14 \$2.50, 14-up \$1.75 each. RADIOLAND-FAGAN ELECTRIC CO.**, Effingham, Illinois.

**Sell or Trade—R390 Receiver** (see S9 Dec. 64, page 31) CB sets Mariner Utica Morrow 5W3B, Radson write Thomas, 11 Sussex North, Lindsay, Ontario, Canada.

**FOR SALE: International Executive Model 1500 part 15 Rig, 3 Months old. Cost \$299.50. Cash and carry \$200.00 Reason for selling—Gone Ham. A. G. Drew, RFD #1, Bowdoinham, Me.**

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

**Heathkit owners, double reception!** SK-3 Preselector fits GW-10, GW-11; SK-4 fits GW-12. \$8.99 kit, \$11.99 wired. Postpaid. Free kit, antenna list. **HOLSTROM**, Box 8640-S, Sacramento, California 95822.

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

**Draft Board says go and I have to sell brand new factory boxed Poly-Comm N-8; Latest model with TVI Filter built-in \$169.50 express pre-paid.** Fletcher Harris, Jr., 35 Maple Lane, Galveston, Texas.

**QSL's Gorgeous Rainbows, etc. Top Quality! Fast Service! Low Prices! Samples 10¢ (refundable).** Harms, KDI1143, Mystery Hill, No. Salem, N. H.

**QSL's—Quality—Immediate Service—Reasonable CB QSL Cards. Samples 10¢.** Malgo Press—Box 375—Toledo, Ohio 43601.

**Rubber Stamps—Best Quality. Your 3 lines of printing only \$1.25 including postage. Fast service!** Harms, KDI1143, 905 Ferneld, Edgewater, Fla. 32032.

**EARN \$\$\$\$ full or part time. Dealerships available for new Civil Emergency Monitor that adapts to car radio to receive Police, Fire, etc. Write Design Marketing, Inc., Dept. "S" Box 6825, Dallas, Texas 75219.**

**ATTENTION CB'ers, Hams, complete electronic service center for transceivers, rcvrs, xmtrs, and accessories. Alignments, modifications, and custom work done to your order. Installations, range boosting, fully equip lab. Free consultation call: 914-237-5027 Special: Transistorized mike pre-amp, 20DB gain—\$10. Ed. Primavera, 755 Bx. River Rd., Yonkers, N. Y.**

TRUE Single Sideband for CB. Tremendous bargain SSB-27 SIDEWINDER . . . \$164.95. Go SSB on 27 mc Citizens Band. Write for MONEY BACK Trial Offer. SSB CO, P.O. Box 101 Northtown Station, Chicago, Illinois 60645.

Name Tags \$1.00 Postpaid full name and call letters engraved in phenolic. CB organizations ten or more 85¢. Satisfaction guaranteed. W. Folsom, KMA2366, Box 4-1661, Anchorage, Alaska.

"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 \$9 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 \$9) 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.

QSL'S—BILL'S 6W7263, 905 ALTAMAHA, CHATTANOOGA 12, TENN. SAMPLES 10¢.

Needed: Operation, calibration and alignment data on Hickok Model 640 oscillograph. Gene Pfeiffer, KBG8157, % e.c.i. electronics communications, 56 Hamilton Ave., White Plains, N. Y.

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.

NAMEPLATES, decals, tags, signs and labels. Free samples. Seton Corp., Dept. CBJ, New Haven, Conn. 06515.

Free Catalog: Wholesale electronics. Hundreds of items. Why pay more? ROYAL, Box 2591, El Cajon, Calif.

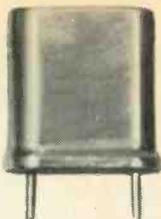
CB'ers—Get all new CB Log Book! Your own call letters imprinted in gold on front cover. 1000 entries. (Ten Code included for easy reference.) "A must" for all \$9 CB'ers. \$1.98. Ronco, Dept. G5, Box 8701, Kansas City, Missouri.

Neighbor trouble? Stop interfering with their favorite TV programs. Install our low pass filter. Coaxial in-line design. UHF connectors. Easy plug-in installation. Money back guarantee. \$5.95 postpaid. Order direct from Electrostatics, 5806 Mott St., San Diego, Calif. 92122.

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.

Special club subscription rates for \$9

**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**

**POWER** in Miniature

The CB-15 Measures only 6½ x 6¼ x 2½ inches and it weighs only 3 pounds!

1/10th  
the Power  
Consumption  
of Standard  
Tube Units



**The Ultimate in SOLID  
STATE Silicon Transceiver Design**

Solid state circuitry uses silicon transistors only plus ceramic double tuned filters for improved adjacent channel interference rejection.

Features include external speaker jack, dust-proofed enclosed relay, 5-watt input, no interference with TV reception.

Price is only **\$175**

**TAKE THIS AD TO YOUR DEALER AND RECEIVE  
FREE AN EXTRA SET OF CRYSTALS.**

*Some Territories still available*

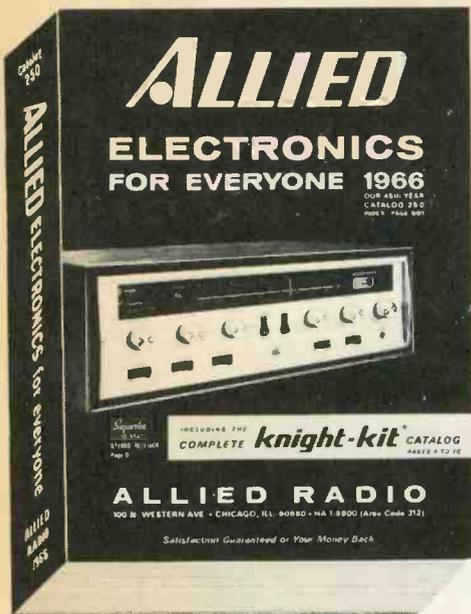
**HARMON MORSE RADIO**

Holton, Kansas 66436

Phone 913-364-3126

The price of this unit was listed incorrectly in the June issue. The correct price is \$175.

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-1 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.

**EASY TERMS:** use the convenient  
Allied Credit Fund Plan.

satisfaction guaranteed or your money back

**ALLIED RADIO**  
America's CB Center

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 anten-  
nas 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-H  
100 N. Western Ave., Chicago, Illinois 60680

Send FREE 1966 ALLIED Catalog.

Name \_\_\_\_\_  
PLEASE PRINT

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

# NEW *Hy-gain* DX ROOF TOPPER

**Guaranteed to out-perform  
ANY CB mobile antenna  
or your money back!**

**Delivers up to 3 times the "Talk Power"  
of base loaded mobile whips**

Hy-Gain's new DX Roof Topper...the CB mobile antenna that delivers such outstanding performance it's backed by the most daring guarantee in antenna history. Exclusive solid state, moistureproof Hy-Q loading coil—"no cut" lifetime adjustable tuning rod—durable stainless steel whip section—rugged chrome plated spring—unique "can't leak" base mount—50" overall height...totally designed for simple mounting either as a new installation or as a replacement (special adapter plate furnished) for any existing roof mounted antenna. Buy it...install it...if it doesn't out-perform any mobile antenna you've ever had, return it to your Hy-Gain distributor and get your money back.

Ask for it by name—Hy-Gain DX Roof Topper—or by Model Number TQRDX—or just ask for the world's highest performance mobile antenna for Citizens Band \$16.95 Net.



**Toppers everywhere for more "Talk Power"...greater readability!**

## *Hy-gain* Jiffy Trunk TOPPER

Mounts on trunk deck—no exterior holes to drill. Guaranteed to out-perform any trunk mount antenna for Citizens Band. Complete with jiffy mount for trunk lip and coaxial feedline. Model TJQC...\$13.95 Net

## *Hy-gain* Shorty Roof TOPPER

Convenient short-length roof topper that's guaranteed to out-perform base loaded roof mount whips. Only 22 inches overall. Complete with chrome plated spring, "can't leak" mount and coaxial feedline. Model TRCQ \$15.50 Net

## *Hy-gain* AM-CB Combination TOPPER

Replaces standard AM broadcast antenna—no new holes to drill. Provides guaranteed performance from both AM receiver and CB transceiver. Complete with mount, solid state AM-CB coupler and coaxial feedline. Model TMPQ...\$14.95 Net

Only Hy-Gain Toppers are designed and constructed to take the full output power from your 5-watt rig and put it high in the air where it can radiate most efficiently to deliver you a maximum signal on both transmit and receive. Get the most out of your mobile communications...specify a Topper from Hy-Gain.

**Available now from your Hy-Gain Distributor or Dealer**

**FREE...Write for complete descriptive literature on Toppers.**

**HY-GAIN ELECTRONICS CORPORATION**

8447 N.E. Highway 6—Lincoln, Nebraska 68501





## General 24 Channel Super MC-8 \$199<sup>50</sup>

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

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<sup>®</sup> 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 RADIOTELEPHONE COMPANY

3501 West Burbank Boulevard, Burbank, California

Telephone: 849-6891, Area Code: 213

A 615-B  
MULTIFUNCTION  
BRIDGE



FREE IN GENERAL'S  
MONTHLY DRAWING!

July Winner  
Robert Perkins, KMV0756, Okla. City, Okla.

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

My CB Club is \_\_\_\_\_  
Club Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_

Good for Sept. drawing ONLY. (\$9)

License and operational requirements subject to Part 95, FCC Regulations.



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

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

62M13-640EC 65

AL BROWDY-1103968  
1962 S STEARNS DR  
LOS ANGELES 34 CALIF