

**DAZZLING ANTENNAS MAKE THE CB SCENE: P. 16**

**S9**

JANUARY 1966

50¢

*the citizens band journal*

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- BUILD THE VEE-BEE ANTENNA
- CB CLUB HANDBOOK
- BIG SWAP LISTING
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**The OFFICIAL CB RADIO MAGAZINE**

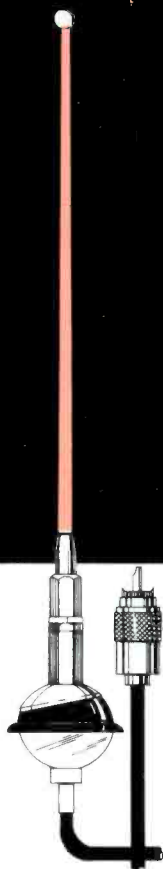
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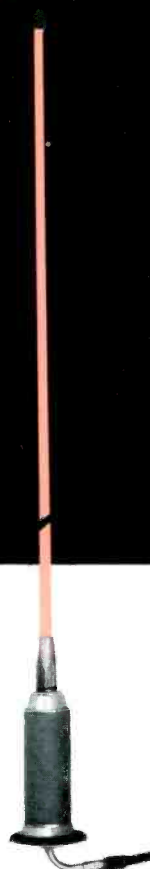
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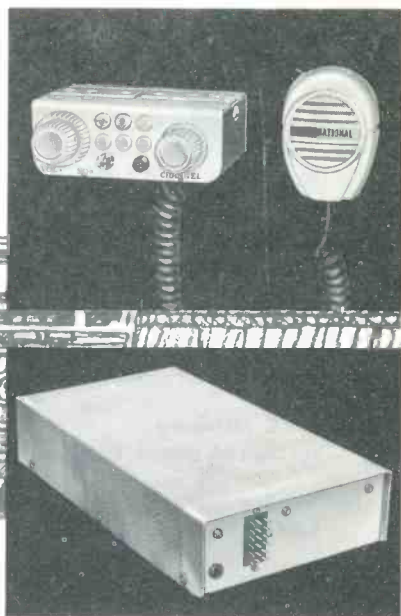
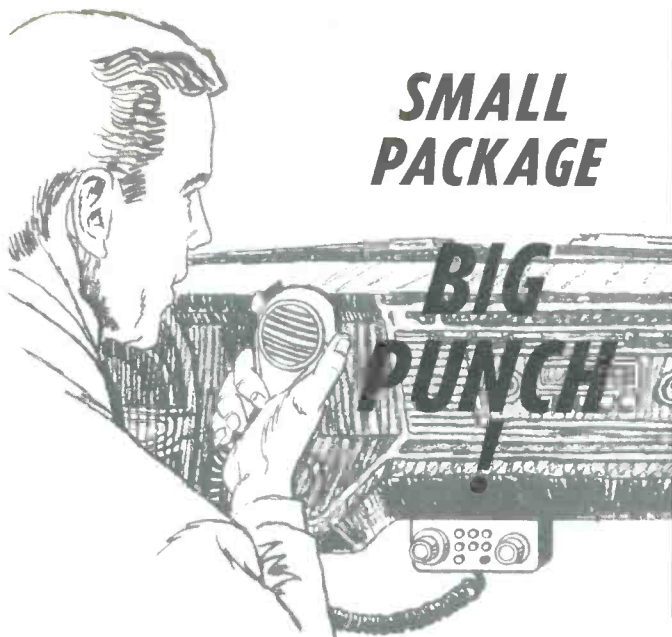
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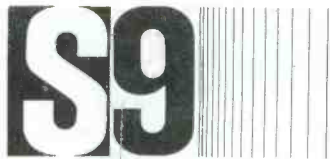
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*the citizens band journal*

Vol. 6, No. 1

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January, 1966

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**FEATURES**

CB In Sweden and the KKK ..... Tom Kneitel, KBG4303 7  
 Uncle Tom "has a go" at both.

You And Your #%&\*# Mobile Noise ..... International Crystal Mfg. Co. 9  
 The professionals eliminate the snap, crackle and pop of CB.

More FCC Merriment ..... Hank Miltenberg 12  
 You liked this so much, here's another!

The Vee-Bee ..... 14  
 Build this interesting CB beam.

COVER STORY: Dazzler For 1966 ..... Robert McAire, KIC7608 16  
 New eye-blinder antennas arrive on the CB scene.

CB Club Handbook (Part 1) ..... Bob Brown, KBG8417 21  
 Including a sample Constitution & By-Laws.

Brain Buster Un-Busted ..... 32  
 The solution to last month's puzzle.

The FCC Monitoring Station Network ..... 49  
 A list of most of the FCC's communication stations.

**DEPARTMENTS**

Reader Mail ..... 4

Editorial/Tom Kneitel ..... 7

Suzie Sez/Susan Henriksen ..... 26

On The Counters ..... 28

Kyles Korner/Jim Kyle, KEG3382 ..... 30

CB Chit Chat/John Krejc, KBI8077 ..... 33

SWL Shack/Rick Slattery ..... 47

Card Swappers Unlimited ..... 55

Washington Outlook ..... 62

CB In Action ..... 66

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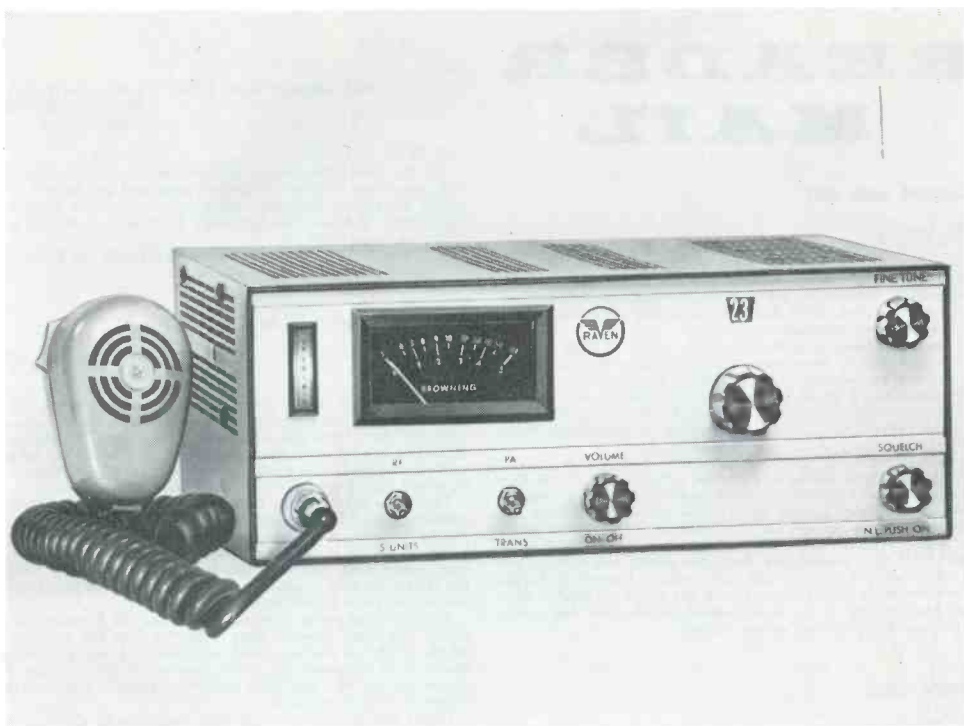
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S-9



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# READER MAIL

## SAUCERS AND CB?

Dear Tom,

I wonder if you or any of your readers have heard anything concerning CB interference when unidentified flying objects are maneuvering nearby. I am a member of the National Investigations Committee on Aerial Phenomena, Washington, D.C., and its book, *UFO Evidence*, describes many such cases on the standard broadcast frequencies.

I am doing research in this particular phase of UFO activity and would like to hear from fellow CB'ers who have heard of, or have experienced, such effects on any frequencies other than broadcast. I would like to hear from readers on this.

Robert L. Huguenin, KBC7679  
University of Pittsburgh Dorm  
Titusville, Pa.

*Here I go again, asking to be called a "spoil sport," but I've had opportunities to examine much so-called "saucer evidence" and feel that there are an awful lot of gullible people in the world. I once sat through six hour radio broadcast with a panel of "saucer experts" who were trying to prove the existence of UFOs—all they proved was that after sitting and talking for six hours you get a sore throat and lumbago. I would be happy to see literature on the subject from the group of readers who have been writing to me about saucers for the past few years. I still have an open mind on the subject.*

## WHO'S WHO

Dear Sirs:

I'd like to take this opportunity to commend you on the "Who's Who" publication. After spending a few fascinating hours going through it, I'm convinced that it is the most significant contribution to the "human interest" side of CB that I have seen so far. It's a slick, professionally prepared book and it looks as though you've started something which will be a yearly favorite.

Rodger Nordlund, 1BQ5121  
Nordlund Radio Products Co.  
Chicago, Ill.

Sirs:

Just a few lines to say that I like your new "Who's Who" directory very much. Sorry I wasn't listed in the book, how do I include myself in future editions?

Edwin Chisholm, KHG3085  
Saginaw, Mich.

*Future editions haven't yet been scheduled, but from the amount of letters from CB'ers who missed out on being in the first edition, it looks as though the next issue will be twice the size. If and when we schedule another edition we will give plenty of advance notice and publish the listing form in S9. In the meantime, the present edition looks like it's going to be a sellout, with issues rapidly becoming "rare first edition" collector's items. Better hurry and get one before they're just a memory. See details elsewhere in this issue.*

## FROM OVERSEAS

Dear Editor:

I'm a happy convert from Ham radio to CB. Since being assigned overseas I have lost track of CB developments. Therefore I eagerly await the start of my new S9 subscription. I would like to hear from stateside CB'ers and will gladly swap cards.

Lt. Donald W. Smith  
6950th Scty Wing  
APO New York 09193

## COMMENT

Tom:

I've been a subscriber to S9 and another CB publication for a number of months. Needless to say, I've let my subscription to the other publication lapse. You seem to use more judgment in thinking out the advice which you give to CB'ers.

Ed Kelley, KHJ9988  
Hillsboro, Ohio

Sirs,

Wish S9 came out each week. I read it from cover to cover.  
Don Vrba, KNH2665  
Lincoln, Nebr.

Dear S9,

For the past three years I've been on CB. During this time I've seen many "CB publications" come and go, in fact I recently received a copy of (ugh!) yet another CB publishing effort from Oklahoma in the mail. They only make S9 look better by comparison.

Gerald Miller, KXK9488 (ex-KFA4774)  
Havelock, N. C.

Dear Sir:

Think S9 is great. I'll never stop buying it!

Pat Laird  
Swift Current, Sask.

Gentlemen:

I have a friend who is in every way considered to be a nice guy, except for the fact that he subscribes to a lousy magazine entitled "S9." Through my efforts, I am proud to announce that he is not renewing his subscription. This starts my private war on one of the miserablest, back-biting, sloppy pieces of literature that has ever been put between two covers.

There was a time when I thought that S9 was a worthwhile investment and had a good future. You then started blasting the ACBA club. I ask you creeps if you haven't got anything better to do than to degenerate a worthwhile organization. I must admit that you were the indirect cause of my joining the ACBA because I was sure that no organization could be as bad as you painted that one.

Another thing comes to mind. Remember *CB Horizons Magazine*? You must, because they were the first CB publication on the market. We all mourned the fateful fire which destroyed them, all of us except the joyful arsonists of S9 (I always did blame you for it). Had CBH still been around, I'm sure that S9 would have been history.

I shall now go into the other room to gather up all of my old copies of S9 and proceed to make a warm fire with them.

The Great Skip Quigley, KLA0178  
Napa, Calif.

*Don't destroy them Skip, just send them back. We have a long list of CB'ers who are standing in line to get a number of our back issues which are sold out. As far as Horizons goes, we were sorer than you to see them go—they were certainly a long way better than the current crop of S9 imitations. Funny, the bulk of the CBH staff came over to S9 and yet you thought CBH better than S9. Perhaps we should encourage law breaking to bring S9 to CBH's level.*

Dear Tom,

I'll pass this along for what it's worth to any other readers who have taken out a subscription to the publication called "CB Magazine." My subscription expired some months ago, yet they continue to send me issues—while still bothering me for a renewal. I found out that they are doing this same thing with most CB'ers—it's seemingly impossible to stop getting the magazine, whether you renew your subscription or not. I am taking the money they ask for and am sending it to S9 to extend my subscription for another year.

(name withheld by request)  
Chicago, Ill.

Dear Tom,

I think that the idea about writing to the Congressmen is a good one, but for Mr. Oren Harris, he has stepped down and Congressman Stagger from West Virginia will be the new chairman of the House Foreign and Interstate Commerce Committee. Mr. Oren Harris is taking a judgeship.

Now for the QSL cards, not to boast our group, but we have been writing cards since March of this past year.

Mr. Bow is from Canton, Ohio, and is from our district, we are in touch with him at least once a week. Beside Mr. Bow's bill HR377, Congressman Moore from West Virginia has a bill HR7749, Congressman Clark from Pennsylvania has a bill HR8429, Congressman Broomfield from Michigan has a bill HR9864, so you see Mr. Field and fellow CB'ers if we all stick together and really keep after the Congressmen, and other influential people we can win, but it will take the help of all CB'ers.

Robert Thompson, KLM9374  
President of United Citizen Band Radio  
Association, Inc.  
Box 571, Alliance, Ohio



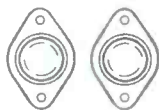
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See your dealer or  
send for complete specifications,  
and judge for yourself.  
We're prejudiced.



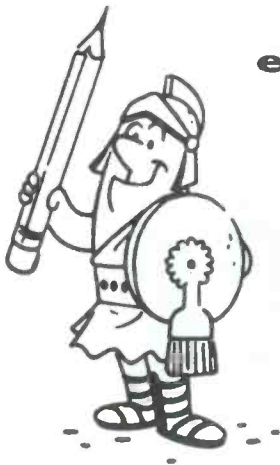
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editorial

# KBG4303 rides again!

by TOM KNEITEL  
EDITOR, S9

## LATER INFORMATION

Further word has been received from the FCC regarding the proposed modification of the Class C CB radio control frequencies (see page 7 of our November, 1965, issue). Our original bulletin was made up right at press time from a few scattered bits and pieces of FCC advance hearsay, and the final didn't come through for another few weeks.

The final draft of the FCC proposal would allow *only* the model aircraft people on the 70 megacycle band, holding all of the other radio controllers on 27 mc/s—this leaves a most unhappy group of garage door opener people and model boat operators still grumbling about being “left in the lurch.” The aircraft operators may also use 27 mc/s if they want to.

One big manufacturer of commercial two-way radio gear is also quite unhappy about the prospect of the model aircraft being dropped into the 70 mc/s band—they feel that such a move might give the FCC the false impression that the 70 mc/s band is useless for commercial communications. The commercial two-way people, long feeling the pinch of too-few frequencies, would like these frequencies for themselves—and are making a lot of noise in Washington about this latest proposal.

We still think the move is a good idea, and hope that it will be so successful that the FCC will eventually allow all of the other Class C stations on 70 mc/s, giving us the empty channels.

## KKK

Reader George Nims Raybin, KBI0854, Bronx, N. Y. was the first of many readers to send us a copy of Drew Pearson's syndicated news column of October 18, 1965. The column, “Washington Merry-Go-Round,” was concerned with the fact that the KKK (then under intensive investigation by the United States Senate for un-American activities) was using CB radio to coordinate its activities under licenses issued under several “front names,” such as the “Alabama Rescue Service.” Pearson noted that the licenses were

issued by one arm of our government (FCC) about the same time that another branch (Justice Department) had placed earlier Klan organizations on the subversive list along with the Communists.

The FCC promptly issued a statement that they would investigate the circumstances of the licensing of the Klan and would check to see if any FCC regulations had been broken in conjunction with the use of the CB units.

All this got us to thinking, because we had this *same* information in S9 way back in our September, 1964, issue (pages 73 and 74) and we know that S9 is read rather closely down at the FCC. At that time we commented on the fact that the FCC is very adept at penalizing CB'ers who send “unsubstantive” greetings to a CB buddy—and we pondered how the KKK was getting away with FCC licensed CB operation—how the Commission figured that their messages were substantive. Of course, we didn't happen to make our comments in the middle of a big newsworthy Senate investigation, so nothing was done about the Klan's use of CB at the time.

Maybe that's the path to getting the FCC to loosen up their grip on the use of CB. Maybe we can cook up a Senate investigation, get Drew Pearson in on it, and possibly throw in some bearded college students with picket signs to burn their CB licenses. Maybe a sit-in from some of the professional agitators could be drummed up. I'll admit that it's a wild scheme, but it sure seems to get action.

Maybe, after all, the ACBA was right when they proposed a “CB March on Washington” a while back. Imagine 800,000 CB'ers standing on the steps of the FCC singing “We Shall Overmodulate.”

## CB IN SWEDEN

One of our Swedish reporters, Klas G. Dahlberg, Stockholm, passes along some information on the Swedish CB scene which should be of interest.

*Continued on page 63*

Only two transceivers can claim:

# Silence is Golden

(in mobile installations)

That's because only two transceivers have the exclusive Squires-Sanders Noise Silencer. There's the famed "23'er", 23-channel unit (all crystals supplied). And now, an economically-priced mate—the "S5S" with 5 crystal-controlled channels. The Noise Silencer utilizes a pre-IF silencer that detects noise before the pulse is broadened by IF selectivity. By detecting before IF selectivity, the noise silencing pulse is as short as possible, so that a minimum of the signal is eliminated. There's no loss in signal level, no introduction of audio distortion—a common drawback of the ordinary noise limiting devices used in other transceivers. These units also employ a diode noise limiter to attenuate long duration noise. The result: crisp and clear mobile reception of even the weakest signals.

And there are more reasons to select the "23'er" or "S5S". Solid-state design (25 silicon transistors and 7 diodes) for reliable operation, negligible battery drain. An ultra-sensitive receiver (0.5  $\mu$ v or better) features sharp 8 kc selectivity accomplished through a 4-crystal bandpass filter. Exceptionally fine AGC keeps audio output virtually constant. Also features adjustable squelch, big 3x5 front-facing speaker; provisions for external speaker and instant conversion to



public address via an optional adaptor.

The transmitter utilizes a full legal (5-watt) transmitter input with a special high efficiency RF output amplifier clipped and filtered audio (speech booster) for top talk power (100% modulation).

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THE "23'er"—finest 23-channel mobile transceiver on market (all crystals furnished), \$235.00.

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See the "23'er" and "S5S" at your CB dealer. For brochure write: Squires-Sanders, Inc., Martinsville Road, Millington, N. J. 07946.

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# YOU AND YOUR # % \* '! MOBILE NOISE

## SOME HINTS ON RIDDING YOUR RIG OF SAME

by THE BOYS AT INTERNATIONAL CRYSTAL MFG. CO.

A CB rig is a very sensitive electrical circuit. It will respond to any signal in the range it is receiving. On the other hand your automobile ignition system is a very good spark transmitter having broad band characteristics. The spark plug, generator brush, heater motors, windshield wiper motor and wheel bearings all create electrical sparks which radiate signals. These signals can be heard as popping noises over a range from a few megacycles to several hundred megacycles. Since these signals are produced close to your rig they are quite loud and will cover other signals you might try to receive. You can therefore see that these noise signal sources must be eliminated. It is necessary to take further steps than normally required for use of the standard broadcast radio in your auto.

Different makes and models of vehicles will require different means of noise suppression. Some models only the very simple, others will need the "all out" method.

As there are numerous "generators" of radio interference in every motor vehicle the elimination of one source may not be noticeable as its noise level may be below one you have not located so the proper way to approach your "noise" problem is by a systematic process of first suppressing all known offenders, namely the generator, voltage regulator, distributor and spark plugs.

It will be explained throughout this article what is considered to be the proper vehicle noise suppression methods. The volume of noise you can, or will, tolerate in your receiver will depend upon the amount of suppression applied. Few installations will require the "all-out" method and the user must decide when he is satisfied.

The purpose for eliminating your own "noise generators" is the fact that your receiver's automatic volume control (AVC) will react to these random noise pulses the same as though a strong station was tuned-in and will cut the receiver's sensitivity way down which will eliminate the weak stations you normally wish to copy.

Start "noise elimination" with the generator and voltage regulator. The generator is the item that causes the whine as the speed of the motor is increased. It is very easily detected by speeding up the engine and then cutting the ignition off. The instant the switch is turned off ONLY the generator and voltage regulator can cause the

noise as all other "noise generators" are eliminated when the switch is off EXCEPT the generator as it is still in operation and is still trying to charge the battery through the voltage regulator. Even though it will operate only a few seconds after the switch is off this is time enough for you to hear the terrific amount of noise it is generating. As the speed of the engine decreases the whine will decrease in unison.

Practically all vehicle manufacturers cable the two leads from the voltage regulator to the generator in a harness with other wires. It is recommended that both of these wires be run in separate tinned copper braid. Just disconnect the present wires from the generator and the other end of them at the voltage regulator's "A" and "F" terminals. They can be cut-off where they enter the harness or just taped down out of the way.

A Sprague 48P18 coaxial capacitor, or a similar .5 mfd coaxial capacitor, should be installed directly ON the generator and the lead from the condenser to the battery armature terminal of the generator must be as short as possible. In fact a length of one inch is sometimes too long. A .001 mfd mica capacitor should now be installed from the same battery terminal to the frame of the generator, here again lead length is extremely important and they should be no longer than one-quarter inch. Be sure to remove paint and grease on the generator where the capacitor is bolted as a "good" ground at this point is necessary.

Dress the cable from the coaxial capacitor on the generator against the body of the car. Use speed clips to keep in place or run through presently installed cable clamps. This cable is usually the longest "noise generator" we must suppress and it is preferred to shield this wire in tinned copper braid. The end of the braid must be soldered directly to the coaxial capacitor's body. Be sure to use size #12 copper stranded wire when making-up this new lead. Connect a new cable to the generators' "F" (field) terminal and run this lead in a tinned copper braid shield and dress it along side the battery lead. This new lead may be of size #16 copper stranded wire.

The voltage regulator is next and the "job" from here on is usually easy compared to the one just completed. Remove the cover from the voltage regulator and clean off any paint that

may insulate the cover from the frame. Check the mounting screws and be sure the regulator is being grounded directly to the firewall. If necessary remove and clean away any paint so you may secure a "perfect" ground connection.

Use two 48P3 or 48P5 Sprague coaxial capacitors or similar .1 to .5 mfd coaxial capacitors and install at the "A" and "B" terminals of the regulator. The capacitors' metal body must be grounded directly to the firewall. This can be easily accomplished by using a piece of cadmium plated metal about 4" x 4" bent to a 90° angle. Drill two holes for the capacitors and two holes to pass sheet metal screws to bolt to the firewall. Attach the capacitors to the angle with screws and nuts and *also* solder. Locate the assembly so the lead from each capacitor to the "A" and "B" regulator terminals are extremely short. Be sure to clean the paint from the firewall so the bracket will make a good solid ground connection. Attach the cable from the generator's "F" terminal to the voltage regulator's "F" terminal. Connect a .002 mfd capacitor and a 4 ohm resistor, in series, from this point to ground. Again, lead length is important and the overall length of the capacitor-resistor combination must be as short as possible. Attach the lead from the generator's armature terminal to the coaxial capacitor connected to the voltage regulator's "A" terminal. The shielding braid on these leads must be grounded to the capacitor bracket or to the firewall by soldering or with the use of washers and sheet metal screws. Attach the "B" battery lead to the coaxial capacitor connected to the "B" terminal of the voltage regulator. This is the lead coming through the firewall and usually goes direct to the battery charging indicator on the vehicles dash panel.

The next are the spark plugs. Purchase and install a complete set of AUTO-LITE RESISTOR spark plugs that are direct replacements for your particular brand and model of vehicle. CAUTION: accept no "substitute" as some resistor plugs will actually increase your noise problem. Be patient, if your dealer does not stock your size just ask him to get them for you. When installing the new plugs be sure to have the gap properly set.

After properly installing the "recommended" suppression to these trouble makers you should be able to drive comfortably and hear stations you never heard before with your engine running. However, in most cases this is only the beginning of the job in order for you to say that you have a good mobile installation.

If you have been checking your "noise elimination" progress as you complete each step we know you will be extremely pleased with your work. But from here on each suppression job will not be very noticeable until you hit the one big joker that's causing a lot of trouble. The little "noise generators" will be obscured by this one and wouldn't have showed up until it was eliminated. All-in-all the little ones can really add up and must be taken care of in due time.

Have your distributor checked to see that the capacitor across the breaker points has the proper capacitance and the points are properly set. If the vehicle has been driven 30,000 to 40,000

miles or more it is recommended that the distributor cap and rotor be replaced. This will usually not only reduce the ignition noise, but also improve the over-all performance of the engine. At the same time have the timing checked and properly adjusted.

When purchasing your new AUTO-LITE resistor spark plugs also buy enough 4,000 ohm-per-foot ignition cable to make up a new wiring harness from the distributor to the spark plugs. Be sure that the new terminals (ferrules) are installed whereby they make *good* contact with the center conductor of the new cable. It is preferred that the ferrules be soldered rather than crimped on as there is danger of a poor contact causing another "noise generator" to appear.

Check your ignition wiring by shorting out each plug, in turn, while listening to the receiver. Any reduction in the noise level will usually indicate that the ferrules are not making good contact with the distributor head, or the ferrule and center conductor should be soldered.

Install a 10,000 ohm carbon suppressor in the distributor's center terminal and make up a new lead to run to the coil. Here again be sure the ferrules are soldered and are making a "tight" connection inside the coil and distributor. A new lead is recommended here as any breaks whatsoever in the ignition system's wiring insulation could be a source of "ignition noise." With very short leads connected a .001 mfd disc ceramic capacitor from the coil's battery terminal to the coil's case.

Bonding braid should now be run from the fire wall, coil, and the distributor to the engine. Use as short a piece of braid as possible in each case. If the ground lead of the battery is attached to the fire wall it should be removed and attached to the starter mounting bolt. Usually the hot and ground leads from the battery go direct to the starter.

*CAUTION: Remove the hot cable from the battery before making connections to the starter as there is danger of the hot battery cable getting loose and shorting out the battery or even starting a fire.*

Connect a short piece of bonding braid across each engine hood hinge. NOTE: The hood will act as a shield to help keep the engine noise inside the engine compartment and away from your antenna. Next connect a short length of bonding braid across each trunk lid hinge, front of the engine to the frame, exhaust tail pipes to the frame, and a piece of wire braid from the air cleaner to the fire wall. It is very important that we caution you to be sure that you clean away all paint, grease or insulation material when installing the grounding braid as *good*, low resistance, ground connections must be made.

Noisy tires should be treated with an anti-static powder, brake shoes grounded to the backup plates with bonding braid and static collectors installed inside the front wheel grease retainer cups. Heat and oil indicator sending units on the engine must be by-passed with .1 to .5 mfd capacitors, again using very short leads. All instrument panel gauges and accessories should be by-passed using .5 mfd capacitors. Heater and defroster motors, electric windshield

wiper motors and any other accessory motors by-passed with a .25 to .5 mfd capacitor. The gasoline sending unit mounted on the gasoline tank must be by-passed with a .1 to .5 mfd capacitor. An inspection plate is usually provided in the trunk compartment over the tank.

For the person who desires the "ultimate" in mobile "noise elimination" there are available for some vehicles marine and aviation spark plugs that could be used and the complete ignition system shielded by using these plugs and making metal boxes to enclose the distributor and coil, and shielding all wiring associated with the ignition system. By having the ignition system *completely* shielded most of the "suppression" can be eliminated and the normal high engine performance will be maintained.

You may visit your local two-way radio communications company and secure most of the parts required in kits furnished by some manufacturers of two-way radios. The other parts required are available from radio parts supply and auto parts supply firms.

Lay out your line-of-attack and as each "noise generator" is suppressed it should be noted and checked by listening to the receiver before and after the suppression. This indicates the noise level entering the receiver that is being picked-up by the antenna. To check the noise level entering the receiver by the antenna connecting cable disconnect the cable where it connects to the antenna and short the cable's terminals. If noise is still noticeable it will be necessary to re-route the cable under the vehicle and up through the fire wall to the transceiver. Check the noise level entering the receiver through the power cable by disconnecting the antenna connecting cable at the receiver. All noticeable noise in the receiver is now being picked-up by the power cable and fed to the receiver. This can usually be eliminated by installing a Sprague 48P3 feed-thru coaxial capacitor on the fire wall and the hot battery lead from the transceiver connected through the capacitor to the battery terminal.

We sincerely hope that we have been of some help to you and assure you that when you finish your "noise elimination" project you will consider yourself an "expert." But just as a parting reminder, remember that all of those cars along side of you, up front, behind and the one passing have not been through the "elimination" process and it will be up to your receiver's built-in noise limiter to cut *their* noises down to a listening level that is bearable.



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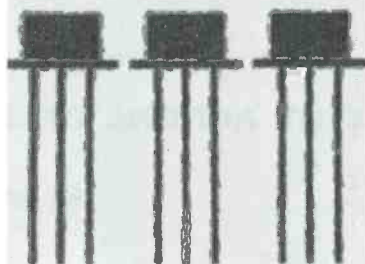
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## FCC MONITORING

## MERRIMENT

### RECENT ACTIONS OF THE FCC'S MONITORING SQUAD

by HANK MILTENBERG

A major interference problem continued over four years while a pretzel factory worked out a way to eliminate arcing in gas flame igniters in its ovens. Its eventual solution cost the firm, \$14,000, not to mention manhours spent in trying different schemes. Four ovens were involved, each about 7 feet high, 10 feet wide and 80 feet long. Since each oven had 60 burners, the 240 ignition spark contacts played havoc with nearby TV and radio reception. Many efforts failed, but the company persisted and finally installed a system which eliminated the ignition spark as well as the interference. A final FCC inspection of the bakery elicited comment that its only regret was that after spending so much money "the pretzels didn't taste one bit better"!

The FCC Douglas, Ariz., monitoring station found a similar source of interference in a local cannery using a gas furnace to burn off the outer skin of chili peppers. Radiation of spark-gap igniters used in the furnace invaded radio frequencies of a nearby airport. The cannery company promptly installed corrective equipment.

Since the Coast Guard notifies the Commission of possible distress signals, the FCC monitoring station at Oahu, Hawaii, was not surprised when alerted to a steady, unmodulated sound on a frequency used by Navy aircraft stations. But it was surprised when its "fix" showed the origin to be on land near Sacramento, Calif. Since it was evident that the signal was not from a plane in distress, the problem changed to that of identification and removal of the trouble. Further search showed that the offender was a Navy land transmitter. The naval installation took it off the air.

A local taxicab company complained to the FCC St. Paul, Minn., district office about severe co-channel interference which "practically paralyzed" its radio contact in five downtown blocks. Since the signal was most severe in the vicinity of a large hospital, FCC engineers combed the corridors with a portable interference locator but found nothing in the hospital that was re-

sponsible. It was noted, however, that the signal was strongest along the west wall of the hospital. Outside bearings pointed toward another building—occupied by the company which made the complaint. The source was quickly identified as a monitor receiver for the cab radio operation. Deactivating the receiver resolved the problem.

The FCC Philadelphia field office closed down a "professional style" radio broadcast operation in upper Pennsylvania without benefit of a license. Using the call letters "WLVR," it was located in a community where hills prevented good reception from outside stations. Modern equipment was employed, even to an antenna painted red, white and blue with a lighted beacon on top. Performance was sophisticated to the point of selling time. Operation was on week-end only over a period of about two years. Apparently the townspeople enjoyed the station too much to complain about it. But eventually radio services on the outside balked at its continued interference.

A TV viewer, her patience exhausted, called the FCC Baltimore field office to complain that smoke from a nearby factory chimney was hurting her video reception. Engineering rationale to the contrary, she was adamant that the smoke was the source of her trouble. She was so compelling in her presentation that an engineer was sent to the scene. Sure enough, while viewing the complainant's receiver, the interference appeared at precisely the same time a cloud of smoke emerged from the suspect chimney. And, as the smoke dissipated, the interference faded away. Each belch of smoke brought back the interference. Further investigation revealed that the trouble was caused by an electrical device controlling the flue in the chimney. Notification to the factory owner resulted in corrective action. The complainant can now enjoy her TV while the chimney puffs away.

Another woman, elderly, very talkative and very persistent, called the FCC Los Angeles engineering field office with another kind of TV in-

terference complaint. After listening to her for some time and finding himself unable to identify the problem, the engineer invited the woman to fill out an interference complaint form in order to glean some specific information which would enable him to evaluate the situation. This approach was successful. In the block provided for "type of interference" she wrote: "The picture is not affected. The players can observe me at all times and I do not like this observation." This ended the investigation.

A case of interference from a heater using radio frequency energy being investigated by the FCC Philadelphia engineering field office ended in an impractical yet effective manner. The heater's owner was adamant in not having it certified and continued to operate it. But the last visit to his plant proved that the case could be closed. The building had burned to the ground, fortunately with no loss of life but eliminating the interference.

An emergency type communications network reported interference from a continuous, unmodulated signal. Engineers from the FCC Boston field office established a definite location but the actual source was not readily apparent. Using portable equipment, they traced the radiation to a point where stood a large tree. Further examination revealed a plastic laundry bag, with a protruding antenna, concealed in the upper branches. Inside was a walkie-talkie with the "push-to-talk" switch wired in the "on" position. The strange find was removed and a note left advising the unknown installer where it could

now be located. So far, the owner has not claimed the equipment, valued at about \$80.

A frantic manager of a New York apartment reported to the local FCC field office that TV reception in the buildings was nonexistent, three tenants had moved and 40 more were refusing to pay rent because of the lack of promised TV service. An engineer visited the premises and quickly found the trouble to be the amplifier of the development's master-antenna system. Profuse thanks were expressed by the landlord followed by a letter commending the FCC engineer for a job well done.

The FCC monitoring and direction-finding net continually assists its licensees and Federal agencies in solving interference cases with international complications. The following are typical:

A station in Red China was found to be causing interference to reception by a telephone station in California from the transmitting point in Hong Kong.

Transmissions from Moscow to Havana were identified as the cause of adjacent channel interference to radio communication between a U.S. Air Force base in Maryland and Newfoundland.

Interference to a Coast Guard station in Virginia was found to come from a Dutch vessel docked in the vicinity. The latter's handset had been left in such a position that the transmitter remained on.

Interference to another shore-based U.S. Coast Guard station was identified as a spurious emission from a Canadian naval vessel.



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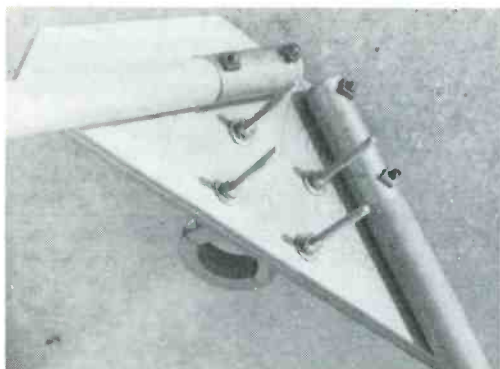
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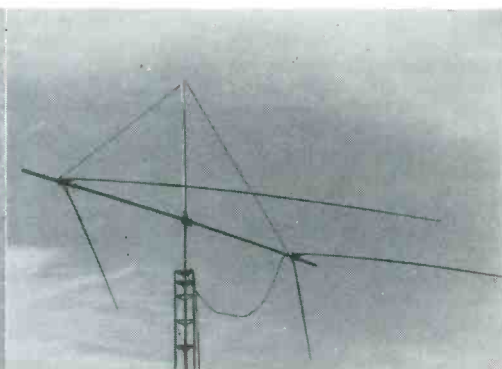
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# THE VEE-BEE ANTENNA

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Close up of the V beam apex assembly for 11 meter operation. Construction details are given in the text.



The directional V beam installed atop the authors tower. Note the boom support.

FCC regulations are quite explicit concerning the maximum input to the final stage of the CB transmitter. As a consequence, the serious operator must turn toward the antenna radiation system for the necessary DB gain in order to combat today's heavy QRM level.

In most instances space and money are prime factors that tend to govern an antenna's complexity. The majority of radio operators therefore gravitate toward the array that offers the most gain with the minimum cash outlay. With this firmly in mind, consideration might be given to this homebrew parasitic V wire beam boasting simplicity of construction and nominal costs for a compatible signal-to-expenditure ratio.

### DESIGN THEORY

The driven (director) "V" element consists of two wires supported at a horizontal attitude by a dowl-fiberglass combination and fed at the apex with an RF current. Major radiation lobes from each leg combine in a manner to produce cancellation and reinforcement effects resulting in a radiated signal perpendicular to the plane of the array. The pattern of a single "V" is horizontally polarized and bisects the apex angle for a propagation pattern both to the front and rear of the array. It follows that the gain of this configuration is somewhat greater than a similar dipole. For example, a V antenna, one wavelength, with an apex angle of 90 degrees, boasts approximately a 2.1 power gain over the familiar isotropic standard. The addition of a second (reflector) element parasitically coupled boosts the gain of the system resulting in an array superior to a two element beam and comparable in performance to a three element yagi beam.

### PARTS LIST

- 4—fiberglass poles 13' long<sup>1</sup> (12' × 3/4" dowel can be substituted).
- 2—5' lengths of wooden pole 1 1/8".
- 2—pieces of 1/2" plywood 1' × 2' approx.
- 4—Cesco or TV type U bolts.
- 4—stove bolts 2" × 1/4" with nuts and washers.
- 70' #12 or #14 enameled wire.
- 5.p.s.t. knife switches (two for each additional band).
- 2—1/4" solder lugs.

### CONSTRUCTION

Construction was rather simple and from the photograph of the "V" support platform the part's layout can be seen. Half inch plywood was chosen for its inherent strength and non-warping characteristics. However, a coating of creasote preservative solution, purchased from a hardware store, was an absolute necessity. A Cesco clamp (or the more common TV "U" clamp) was used to secure the platform to the boom. For adequate support, two clamps per platform were utilized. A 90 degree angle was drawn on the platform in heavy crayon for proper orientation. Secure two lengths of 5" wooden pole (1 1/8") to the platform by drilling two 1/4" holes through the platform and poles utilizing the drawn lines as angle guides. Fasten securely with 2" × 1/4" stove bolts. To prevent burrowing use large washers or half "shells" cut from a length of TV masting. Under two bolt heads of the driven element install a 1/4" solder lug. To maintain an absolute weight minimum

1. Available from U.S. Fiberglass Co., 5101 NW 36 Ave., Miami, Fla. \$5.50 ea.



four 13' hollow fibreglass poles were purchased. (12' x 3/4" dowel might be easily substituted at a substantial price saving but sacrifice in weight.) The inside diameter at the fibreglass bases were measured at 1 1/8" and slipped easily over the dowels forming the V angle for a force fit. All that remained was the installation of #12 or #14 wire along the dowel-fiberglass length to complete the assembly.

The reflector was cut from one length of wire measuring 17' 11" to resonate in the 11 meter band. The driven element was composed of two lengths of wire each 8' 7 1/2" in length and terminated in the solder lug at the driven element apex angle. The coax cable was also soldered at these lugs for completion of a monoband installation. Tape the wire along the element lengths at reasonable intervals.

A boom of metal (or wood) measuring 8' and a diameter of 1 3/8" supported the entire system. The Q or bandwidth of the wire beam was somewhat high hence major moves from the resonant point must be made within the tolerances dictated by the SWR bridge. A 50 ohm coaxial transmission line provided a suitable match between the transmitter and antenna with a tolerable ratio of reflected power.

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# DAZZLER FOR 1966

INTERNATIONAL EMERGENCY ORANGE COMES TO CB

by ROBERT McAIRE, KIC7608

COVER STORY



“International Orange” is an eye shattering, dazzling, fluorescent color, because of this, the color is used on military and commercial aircraft, for marine markers and flags, and for emergency vehicles. It is used, world wide, in fact, whenever high visibility is desired.

“International Orange” doesn’t actually glow in the dark, however it responds to ultraviolet rays and thus “fluoresces,” that is, it gives off a luminous appearance when struck by the sun or artificial light. While there are many different fluorescent colors in use (greens, reds, yellows), the orange seems to be the most eye catching. Most of us have seen the different shades of fluorescent colors on those “bright” QSL cards which so many fellows send out.

After considerable experimentation, Antenna Specialists, has developed a method of impregnating this color dye into their fiberglass and steel whips—a process which they call “Colorguard.” The stainless steel itself is not colored, only the coils. Many of the CB and commercial communications whips in the A/S line are now available in “Colorguard.”

As a starter, the entire REACT emergency CB communications organization has adopted “International Orange” as its official color, and we are receiving word from many local CB clubs that they are immediately switching over to this distinctive color.

Besides making a mobile CB unit readily recognizable as an emergency vehicle, “International Orange” on the vehicle is an added safety feature. Police departments are very interested in the high visibility feature for motorcycle applications (to help attract drivers’ attention to the presence of a cycle). Antenna Specialists says that they have received a number of requests for “dummy-load” artificial “International Orange” antennas from owners of Hondas for this reason.

We found an additional bonus for “International Orange” CB antennas, they sure make it easy to spot your car in a parking lot.

69

**\*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 heard. 2. *Elect.* like, by virtue of being selected.



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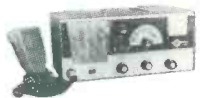


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# CB CLUB HANDBOOK

## PART I

by BOB BROWN, KBG8417

Wherever there are CB'ers there should be a radio club. It should be the most active, public-spirited organization in the area. Its basic intent and goals should be clear at the outset and carried through in years to come. The establishment of a positive, growing CB fraternity is irresistible to new prospects. In short, nothing succeeds like success.

### HOW TO GET STARTED RIGHT

To form a club that will really "go" requires a bit of ingenuity and some old-fashioned horse sense. Proper planning is of the essence if you don't want confusion and bedlam to dominate the scene. We might add that a great many well-conceived clubs wind up this way!

A good place to start is to hold a pilot meeting. Object: To get as many CB'ers together at one time as possible and learn *their* feelings for the future. Things you will find out: how often to hold meetings, how many will attend, what civic contributions can be made (emergency communications), whether or not to collect dues, etc.

Okay, so that much is decided. Now a chairman will be needed. (He could be you.) Preferably he should have had experience in fraternal or community work, and his name, age and popularity may in themselves bring CB'ers out to the meeting. The better-known he is, the bigger the head start you'll have with the club.

Top flight public relations is your next target. You want to draw out as many CB'ers to that pilot meeting as there are in town—and then some.

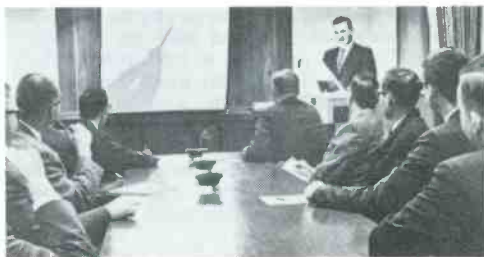
Notices announcing the pilot meeting should include as much as possible about the purpose of the proposed club. Mailers with the same info should be sent to all local CB'ers, scout leaders, etc. Posters should be placed wherever young men assemble. The more the merrier.

A newspaper notice is a must. Also hit technical employees of local electronics industry plus local civic groups with your announcements.

Where to hold the pilot meeting? Community centers, armory, YMCA, school auditorium or classroom are good prospects and can usually be had for the asking. Find out what nights your meeting place will be available the most, and plan your club around it. Don't rely on someone's house as a meeting place because if more than 12 show up, you are finished before you start.

### THE FIRST MEETING IS EASY

Don't be frightened by the prospect of the impending get-together. The pilot meeting will be your easiest chore. The steps outlined here will keep business on a high plane—which is important at this point. Too many pilot gatherings result in "coffee-break chaos" simply because



Regardless of how large your club may be, top-flight speakers always attract—and hold—attention. Occasionally, technical sessions like this one analyzing how an accessory works, delivered by its inventor or designer, are in order.

some dunderhead didn't know the difference between a club and a party. Your club is going to be different—and easier to control.

The larger your first meeting, the more formal it will be conducted. Suggestion: Temporary chairman might do well to obtain a copy of *Robert's Rules of Order*, available at most libraries, which can be a big help at procedure, etc. It's good to have at hand, but not a must.

### WHAT YOU NEED TO KNOW ABOUT OFFICERS

The first meeting should result in election of temporary officers, who should form an *executive committee* at this time. Don't frown, this isn't as dry as it sounds. Actually, you'll be way ahead by doing this in the beginning—both for stabilization and for increased interest and popularity in the group as a whole.

First Order of Business: The election should begin as soon as the CB'ers have been welcomed by the chairman and the *brief* statement of club purpose has been made.

If you are wondering who you need, you can use this as a basic list. Five offices should suffice for most clubs: President, Vice-President, Secretary, Treasurer, and an Activities Manager. Avoid combinations like Secretary-Treasurer where possible, since this all too often results in heaps of work for one person, while others twiddle their thumbs.

From the floor, nominations should be made, consisting of those people the organizers recommend plus new additions the group thinks suitable. A maximum of six candidates, in each category, should do the trick—and all six must be present.

Stress that these are temporary offices; permanent executives can be elected later on. A club constitution must be developed before this cabinet can be solidified.

Make sure that no one representative of a group is omitted from the nominating. This is a must! For example: town civic leaders, high

school boys, people who work in electronics, boy scouts, etc.

Take a mental-note of all in attendance and see to it that at least one party from each "minority" group has a chance to nominate. This way no one will feel left out and you'll have a good cross-section temporarily leading the club.

#### EVERYBODY PLAYS THE NAME GAME

On Long Island, an immense degree of public anticipation resulted several years ago in a contest for the best name of a forthcoming daily newspaper. A small cash prize was to be awarded the winner—plus his picture was on the front cover of the first edition. The selected name was the best guarded secret in the Island's history until the publisher was ready to go to press. Result? Thousands subscribed—sight unseen—and today the paper is one of the most successful in the world.

For similar excitement, naming your club can be a load of fun, while at the same time arousing even more interest in the organization.

After the election of the executive committee, the chairman should ask for suggested names, recording every suggestion. Arrange for a local citizens band dealer or distributor to donate a transceiver or accessory to the winner. When no more suggestions are forthcoming from the floor, the chairman should announce that this list will be used by the committee in selecting the club name. Let no one reveal the winner until the next meeting!

#### WHAT TO DO AFTER ADJOURNMENT

Once the name-game is finished, the formal meeting short and to the point, leaving details discussions are a trial on anyone. Keep the first meeting short and to the point, leaving details for behind-the-scene action by the committee.

Important: The temporary secretary should get the name, call letters, and mail address of all in attendance. CB'ers should come up one at a time to sign the register and be personally greeted by the officers.

A must: A committee meeting should be held as soon as possible after pilot gathering—either the same night, or within two days. The purpose of this is to outline the club constitution and by-laws. Also a real chairman must be voted upon.

#### SO WHO NEEDS A CONSTITUTION?

You do. The constitution and by-laws protect the members of the club from taking in any and all applicants and yet still invite new members. Also—and this may be more important than you might think—it provides a way of getting rid of undesirable members.

Since this all-encompassing document seems to be a Waterloo for many, a sample CB club constitution is presented here. By utilizing our specimen and making any changes the committee wishes, you'll be over this hump in a matter of minutes and be well on your way to a sure bet.

Once it is drawn up, the constitution and by-laws should be promptly ratified at the next meeting. A meeting notice and copy of the con-

stitution should be mailed to everyone in attendance at the second meeting.

On ratification, a simple way to do it is this: Have the presiding chairman read the articles, pausing after each one for comments by the group. Modifications can be made then and there by writing the revised article, having it signed by its proposer, and adopted on the spot. If a particular article bothers a majority of the CB'ers in attendance, take a vote on that part rather than the constitution as a whole.

After the constitution has been officially adopted, follow the same procedure on the by-laws.

#### BLAST OFF!!

After the documents are formally accepted, the real fun begins. Election of permanent officers should be delayed no longer. (Adoption of constitution may take one meeting in some cases, whereas in others it can be accomplished in less than 20 minutes.)

The real election—which should generate much interest—should follow the procedure set forth in the by-laws.

Now the new officers can be installed with suitable speeches of acceptance from the winners. This can be done with polish, or simple down-to-earth CB talk. Allow ample time for each officer to speak his piece. This will make everybody feel that the club is now under way.

From this time forward, the newly-installed officers will plan activities and purposefully lead the club. They should hold frequent executive committee meetings to plan club work. These can be informal "fun" affairs at an officers house, but should never lead to exclusive group-within-a-group snobbery. Club leadership is in the hands of this electorate—and the future of the organization rises or falls proportionally with activity of the committee.

#### LITTLE-KNOWN FACTS ABOUT INCORPORATION

Many CB clubs elect to incorporate themselves as a non-profit organization. This sounds complex and impressive, but actually all it amounts to is a poor substitute for liability insurance.

Liability from what? From lawsuits incurred by the club. This may seem fantastic, but it happens more frequently than you could imagine. Incorporation gives the impression that the members and officers are insured against legal proceedings, but the real facts are that it cannot relieve an individual of responsibility for his careless or negligent actions.

Court judgments often go beyond the assets of the incorporated club, especially if these assets are limited.

If you are still interested, however, you can obtain detailed information on incorporation from your own state capital. Address your request to the Secretary of State. If a member is an attorney, perhaps he can make the arrangements and handle the paperwork, saving the club legal expenses. Cost is about \$150.

#### CB CLUB MUSTS!

Never let the club get too serious. There should be fun mixed in with all serious or tech-

nical aspects. Allow the committee to handle as much business at its gatherings as possible, leaving only a minimum for the regular meetings.

Under no circumstances allow the formation of cliques. This single factor has ruined more CB clubs than any other contributing factor. Should one show itself present, put its leader to work on a club project that will occupy his time. Take it upon yourself, privately, to see to it that *all classes and age groups* of CB'ers not only participate but are given a portional amount of club work and programs. If you lose the youngsters, you are finished. On the other hand, if you cater to the wise-guy video ranger, you'll lose respectability. Activity take part in everything the club is doing and *guarantee* that the club is actively doing everything it can *for all*.

Grab publicity. It is the club's number one target if it is to become a part of the community. Publicity will make newcomers aware of what's going on and will endear the group to the public by constant exposure. Prospective members—and you'll want as many as you can get—will flock to your meetings if they read about a top-notch speaker or a free motion picture viewing dealing with public safety or electronics.

A club bulletin should be sent to all members free of charge to aid in keeping up interest. It will do several things for you: will bring new members, will arouse interest and prestige, keep members informed of meeting dates and places, and more closely knit the club together. More on this later.

If your dues-collection become large, have those books audited at least once a year.

#### "VIGILANCE COMMITTEES" A GOOD IDEA?

Due to the fact that individual CB'ers often identify themselves on the air and otherwise as members of the famous such-and-such CB club, your organization may be in store for unfavorable publicity. And often without anyone else's knowledge. Spelled out, your club may suffer because of a member not obeying FCC rules.

Therefore it is indeed the business of the club to see to it that there is no breaking of the citizens band rules. Breaches of regulations occur through ignorance, carelessness and malicious acts of irresponsibles. Many clubs regularly hold question-and-answer sessions on FCC rules and interpretation, inviting FCC staffers to attend. Manufacturers and distributors, in addition to knowledgeable engineers and other rules "experts," can also help inform the membership on the latest moves by Washington. A general review of regulations, in any case, is a good idea.

If an individual CB'er has continually been observed by the membership breaking regulations, he should be so confronted at a future meeting and be permitted to make any statement in explanation of his acts. If these explanations are unsatisfactory, he should be dropped from the club. He should further be notified by the Secretary of the club's decision, then reported to the FCC if irresponsible operating is not stopped. This makes it a club action and removes personal antagonism.

In keeping with their constitutions, many clubs do set up "vigilance committees," consisting of individuals who monitor CB frequencies and/or

note offenses committed *by member stations*. This committee should never act as a final authority on FCC rules, but rather as a mediator. It can work with the CB'er, should his problem be a technological one, to bring about better operations.

As an inter-club committee, this group can do a lot of good, provided it is set up intelligently and deals *only* with offenses of members. It can promote in itself excellent goodwill for citizens radio, and the club will be respected for assuming its rightful responsibilities to the community. Bootleg operation, unlicensed activity, etc., that does not respond to suggestions of the committee or the club should be reported to the FCC.

FCC regulations provide that written permission must be obtained from members who are to be monitored.

#### CLUB DUES

So far we have said nothing about club dues, primarily because no specific "plan" will work in all cases. Club dues vary from \$15.00 per year to 50¢ per year—more when they own club equipment.

Dues should not be excessive or they will prohibit worthy CB'er participation. The dues should not have to be a major factor in a newcomers decision whether or not to join. Approximately half the clubs assess dues between \$2.50 and \$6.00 per year, while the rest varies considerably. The most popular rate, however, is generally \$3.00 per year, or 25¢ per month.

Don't collect dues at every meeting. If you do you'll bog down proceedings and tend to discourage the turnout. Yearly collections are preferred, with delinquents allowed three months grace period. After that time, their names should be read aloud at the meetings.

Other means than dues are used by a great many CB clubs to finance their expenses. More on this later.

Initiation fees (which only half our clubs use) vary from 25¢ to \$10.00. Where high fees are set, the money goes toward the club room, new tubes, etc. Where there is much club property, this is fair for new members, since they benefit at once by the use of equipment purchased by old members.

Much discussion and thought should go into setting up your dues and/or initiation fee structure. These items, a necessary evil, can be the factors that will affect future club growth. But don't try to get too big too fast!

#### WHAT COMES NEXT

The subjects talked about here, if followed, should put a new CB club on a solid foundation. But the *real* trick is maintaining interest at meetings. Nothing influences attendance more than proper management of the meetings, an area where most clubs fall into an abyss of tedium often mixed with sidetrips to boredom.

Next month we'll discuss the tried and proven ways top-notch CB clubs not only maintain their attendance, but also continue to prosper and grow.

(more on next page)

# SAMPLE CB CLUB CONSTITUTION

## PREAMBLE:

We the undersigned, desiring to obtain for ourselves the fraternity of the association for persons commonly interested in the Citizens Radio Service, do hereby constitute ourselves the ..... (name of club) and do enact this constitution as our governing law. It shall be our purpose to facilitate the exchange of information and general cooperation between members, to promote Citizens Band radio knowledge, fraternalism and individual operating efficiency, and to so conduct club programs and activities as to advance the general interest and welfare of Citizens Band radio in the general community.

## ARTICLE I — Membership

Sec. 1 — All persons interested in Citizens Band radio (hereafter referred to as "CB") shall be eligible for membership. (Membership shall be by application and election upon such terms as the club sets forth in its By-Laws).

## ARTICLE II — Officers

Sec. 1 — The officers of this club shall be: President, Vice-President, Secretary, Treasurer, and an Activities Manager.

Sec. 2 — These officers shall be elected for a term of one year by ballot of the members present provided there be a quorum at the annual meeting on or about ..... (month and day).

Sec. 3 — Vacancies occurring between elections must be filled by special ballot, at the first regular meeting at which the resignation or withdrawal is publicly announced.

Sec. 4 — Officers may be removed on motion by a three-fourths vote of the membership.

## ARTICLE III — Duties of Officers

Sec. 1 — The President shall preside at all club meetings and conduct the same according to the rules adopted. He shall enforce due observance of this constitution and By-Laws, decide all questions of order, sign all official documents that are adopted by the club, and none other, and perform all customary duties pertaining to the office of president.

Sec. 2 — The Vice-President shall assume all the duties of the president in the absence of the latter.

Sec. 3 — The Secretary shall keep a record of the proceedings of all meetings, keep a roll of members, submit applications for membership, carry on all correspondence, read communications at each meeting, and mail written notices to each member of every meeting of the club, except when excused by action under By-Laws. He shall at the expiration of his term turn over everything in his possession belonging to the club to his successor.

Sec. 4 — The Treasurer shall receive and receipt for all monies paid to the club; he shall keep an accurate account of all monies received and expended. He shall pay no bills without proper authorization (by the club or its officers constituting a business committee). At the end of each quarter he shall submit an itemized statement of disbursements and receipts. He shall at the expiration of his term turn over everything in his possession belonging to the club to his successor.

Sec. 5 — The Activities Manager shall organize club member CB station activities, and plan and recommend contests for operating benefit, and to advance the general club interest and activity as may be approved by the club. He shall keep informed by questionnaires or other means, of the equipment, normal operating frequencies and hours, and type of operation of such members as possess station equipment to facilitate emergency organization and to help in planning general interest activities. He shall encourage new stations in reporting activities to the club (bulletin); all these things to make the reputation of club and CB activities in the community as outstanding as possible. He may appoint committees or assistants to aid him in specific branches of activity.

## ARTICLE IV — Meetings

Sec. 1 — The By-Laws shall provide for regular and special meetings. At meetings, one-third of the membership shall constitute a quorum for the transaction of business.

## ARTICLE V — Dues

Sec. 1 — The ..... (name) Club by majority vote of those present at any regular meeting, may levy upon the general membership such dues or assessments as shall be deemed necessary for the

business of the organization within its object as set forth in the preamble thereof. Non-payment of such dues or assessments shall be cause for expulsion from the club within the discretion of the membership.

## ARTICLE VI — Membership Assistance

Sec. 1 — This club shall enact appropriate rules to minimize interference in operation between stations of its members; it shall formulate adequate plans for disposition of any cases of interference to other radio services where reported as caused by any CB station operation in the area of club jurisdiction. The club will provide technical advice to members concerning equipment operation to assist in clean signals and uniform practice of club member-stations. The club shall also maintain a program to foster and guide public relations in those channels favorable to CB work.

## ARTICLE VII — Amendments

Sec. 1 — This constitution or the By-Laws may be amended by a two-thirds vote of the total membership. Proposals for amendments shall be submitted at a regular meeting and voted on at that time. (Some clubs prefer to insure enough members to vote "..." by a two-thirds majority of the club members at a meeting, provided all members are acquainted with the proposed amendment.)

## ARTICLE VIII — Rules

Sec. 1 — *Robert's Rules* shall govern proceedings.

## SAMPLE BY-LAWS

Sec. 1 — SECRETARY. It shall be the duty of the Secretary to keep the constitution and By-Laws of the ..... club and have the same with him at every regular and special meeting. He shall cause all amendments, changes and additions to be noted thereon and shall permit the same to be consulted by members upon request.

Sec. 2 — MEMBERSHIP. Applications for membership shall be submitted at a regular meeting in writing and each application must express a willingness of the applicant to abide by the Constitution and By-Laws and such rules as shall from time to time be promulgated by the club. Two-thirds of those present shall approve the applicant before he shall be considered elected to membership.

Sec. 3 — MEETINGS. Regular meetings shall be held on ..... of each calendar month as such place as the president shall order. Special meetings may be called by the president upon the written request of any five members of the club. Notices shall be sent to all the members informing them of the special meetings and the business to be transacted. Such notices shall be so sent that in the ordinary postal delivery they shall arrive at least twenty-four hours before the time therein set for the meeting. Only such business as is designated in the said notice shall be transacted at such special meetings.

Sec. 4 — DUES. A regular monthly assessment of \$ per member is hereby assessed in accordance with the provisions of Article V of the Constitution for the purpose of providing funds for current expenses.

Sec. 5 — EMERGENCY AID COMMITTEE. The emergency aid committee shall consist of five members (appointed by the club president), representative of CB operators adequately equipped with mobile units. This committee will work closely with national emergency organizations (such as REACT, etc.) to develop maximum effective club participation in case of an emergency. This committee shall research all means for aiding local police, ambulance services, etc., in their emergency communications work by submitting reports and proposals to the club president to be read before the membership. In addition, the committee will invite proper members to participate in this planning and research and will organize technical facts and other testimony within its province, reporting to the club on its results.

Sec. 6 — TECHNICAL COMMITTEE.

Sec. 7 — ENTERTAINMENT COMMITTEE.

Sec. 8 — PUBLICITY.





who's  
who  
in  
cb  
directory



Published by Cowan Publishing Corp., publishers of 59 the citizens band journal

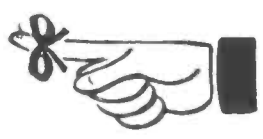
# The GIANT Who's Who in CB Directory

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

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

Only \$2\*

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



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

Who's Who In CB Directory 1965-66  
% Cowan Publishing Corp.  
14 Vanderverter 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.

# S U Z I E S E Z . . .

**SEND ALL ITEMS  
AND PHOTOS TO:**

**Suzie Sez**

**% S9 Magazine**

**14 Vanderventer Ave.**

**Port Washington, N. Y.**



**by SUSAN HENRIKSEN**

**Assistant Editor**

Hi girls! Before I start the announcements for this month, I'd like to explain the form on the bottom of the page. I thought it would make it easier for you to just fill in any announcements you may have such as an Anniversary, Birthday, etc. and send it to my attention and I'll run it along with any other story you may have.

This month we'd like to congratulate Patti Bucklew and proud pappa, Ralph, of Tunnelton, W. Va., on the birth of their little girl, Phyllis Marie. She was born on October 21, weighing 7 lbs. 13 oz. Now little Richard Stephen, age 2, has a sister! Doris Miller, KMX9488, and her husband Jerry, KMX9488, of Havelock, N. C., also have a new addition to their family; Penny Joanne, who was born on Friday, October 29.

We're going to start running a contest for the best looking YL QSL card. Each month the winner will receive as a prize, 50 different QSL cards from the S9 collection. The winning card and the name of the winner will be published each month in this column. Equal consideration will be given to husband and wife cards and strictly YL cards. All cards received after January 20, will be considered for the following month's contest.

We received this letter from Miss Fay R. Thomas, KMI1522, and I thought I would share it with you. This is just one way CB has been so helpful to so many.

*Anyway as I was moving down the coast on Route 1, there came a call, about a family from Trinidad being needed at home at once because of their Father's sudden attack. I somehow ignored the call as I didn't think it could possibly concern me. However, the closer I got to the Jamboree, I called Jamboree Control, to get instructions on how to get to the Jamboree area, they told me to call home immediately, that my father was worse and that the doctor said for all of the children to come home immediately. Well, I didn't make it home before my father passed away, I was just 24 hrs. late.*

*The reason I am writing this letter is, so that in some way perhaps you could let the CB'ers of Florida and the Ham Operator from Trinidad that passed along the 10-33 all the way down the coast in the effort to find me, know just how much I appreciated their efforts in my behalf.*

*Tom, if there is ever any CB'er who passes through the Clarksburg or Nutter Fort area of West Virginia who needs help in any way, this is one CB'er who will be glad to give any assistance, that she can.*

*Very truly yours,  
FAY R. THOMAS (Miss)*

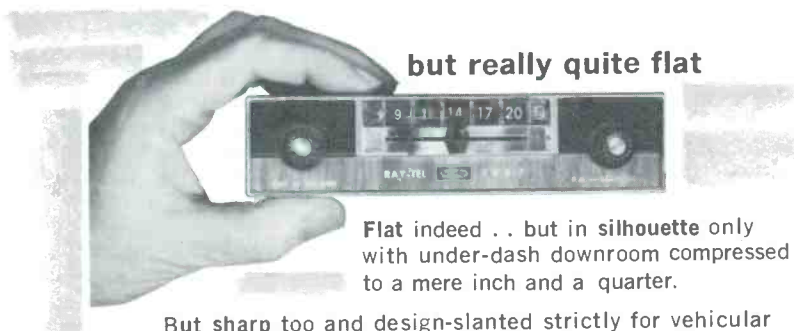
*... On the 10th of August, I left my home on vacation, while I was en route to Jacksonville, Florida to visit my brother, who is stationed there with the U.S. Navy, my father was put in the hospital suffering from a severe heart attack. Although the doctors said that there was no reason to come home, I wanted to start back immediately, however Dad said I should go ahead and stay because he wanted me to attend this Florida National CB Jamboree.*

Name _____	Call _____
Address _____	
Birthday _____	Anniversary _____
Married _____	years on our next Anniversary _____
Birth Announcement _____	
Engagement Announcement _____	
Wedding Announcement _____	
Other Announcements _____	

**S9**



in perfect tune for every C-B application



but really quite flat

Flat indeed . . . but in silhouette only with under-dash downroom compressed to a mere inch and a quarter.

But sharp too and design-slanted strictly for vehicular operation, with slimline styling and a bold new natural woodgrain trim, a fitting complement to any modern car. The TWR-7 is also rugged and functional, equally at home on truck or motorcycle.

Today, any mobile unit must be solid-state—for exceptionally low battery drain—for a very real and important reduction in equipment size. The TWR-7 goes far beyond mere transistorization—uses only silicon planar transistors—introduces a unique double-sided ground plane construction for lowest silhouette and highest circuit isolation. Ground plane boards are copper surfaced epoxy fiberglass, have plated through holes. Ruggedness and durability are dominant in TWR-7—quality is in evidence everywhere.

The price is music to the ears of the discerning buyer, 129.95

5 watts • 5 channels with tip-touch selector and direct channel readout.

Write for attractive full-color brochure detailing the big RAY-TEL C-B line.

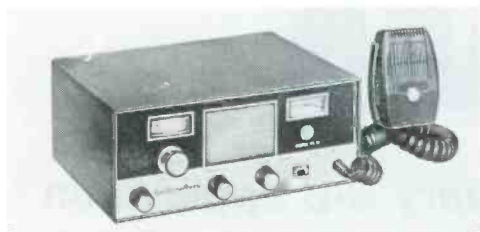


RAYTHEON COMPANY

213 East Grand Avenue, South San Francisco, California 94080

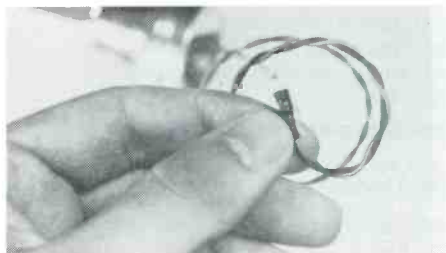


# ON THE COUNTERS



Hallcrafters (5th and Kostner Avenues, Chicago, Ill. 60624) pops into the new year with a new CB rig dubbed the CB-14, a 23 channel frequency synthesized job which sells for \$259.95 (an optional AC power supply is \$39.95). The CB-14 comes ready-to-go on all CB channels with no crystals to buy. Featured in the CB-14 are things such as a dual function panel meter, receiver delta tuning, PA function, output of 3.5 watts, all-semiconductor circuitry, high receiver sensitivity (1 uv. for 10 DB S/N).

Another new item from Hallcrafters is the Model S-200 "Legionnaire" SWL receiver, a low cost unit designed to give coverage of the four most popular shortwave broadcast bands, plus the standard broadcasting band. SW bands covered are 5.9 to 6.25 mc/s, 9.45 to 9.8 mc/s, 11.65 to 12.05 mc/s, and 15.05 to 15.55 mc/s. Housed in a walnut wood-grain steel cabinet, the set is operated with only four simple controls. Watch for the following Hallcrafters products: a CB walkie-talkie which offers the standard AM band, a six-band transistorized portable shortwave and longwave receiver.



The "Teenie-Genie" is a magic little lamp which, although no larger than a grain of wheat,

gives off an almost blinding amount of light when plugged into a flashlight or other 3 volt power source. It comes attached to a flexible extension cable with a standard flashlight-bulb socket. Use it to work inside a piece of radio gear, or anywhere else where a lot of light is needed without a bulky source. We've seen these and think that they are well worth the 98¢ each which is being asked. Manufacturer is Spacatron, Inc., Box 84, Broadview, Ill. 60155.

A new CB hand-held unit is available from Avcomm Division, located in both Great Meadows, N. J. (phone 201-637-2515) and Paterson, N. J. (phone 201-523-7144). This unit, called the Avcomm H.E.L.P. Transceiver has a 12 transistor and 1 diode circuit, 200 mw transmitter, 455 kc/s IF, superhet receiver with RF amplifier, squelch and noise limiter. Other Avcomm products include the Avcomm Mark II 2-watt 2-channel portable transceiver and the Mark III 5-watt base station rig.

An unusual 4 band 12 transistor portable receiver is being marketed by Nova-Tech, Inc., 1721 Sepulveda Blvd., Manhattan Beach, Calif. This receiver, called the Pilot II picks up planes in flight, airport control towers, police calls, standard broadcasts, shortwave and the entire marine band. A 4-way power supply provides operation from internal batteries, an external dry cell, regular house current, or an optional solar cell bank for sun power. It has a rotating antenna and null meter for use as a DF unit. Also included is a squelch control. Bands covered are: the 190 to 400 kc/s beacon band, the standard broadcasting band, the 1.6 to 4.5 mc/s band which covers marine and the 75/80 meter ham bands, and the VHF aero band of 110 to 135 mc/s. Price is \$129.95, and the set is available by direct mail from the manufacturer. Please mention S9 when ordering or requesting further details of the unit.

The new Heathkit 1966 catalogue is now available FREE to all who request same. Just drop a card or letter to the Heath Company, Dept. 43-11, Benton Harbor, Mich. 49023. This 108 page book outlines more than 250 easy-to-build devices in the CB, Ham radio, Hi-Fi, marine,

test equipment, photographic, TV, musical, etc. fields. Prices range from \$3.50 to \$799.

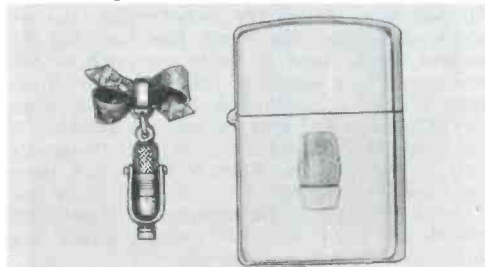


The Commercial Engineering Division of RCA Electronic Components and Devices, Harrison, N. J., announces the new Mark 10 CB rig. This is a solid-state unit with provision for 12 channels, power output up to 4 watts, PA feature, and a power supply for 12 volts positive or negative ground. An AC supply is also available as an option. Price (list) is \$189.95.

Are you bugged? We don't mean angry, we mean bugged in the spying sense of the word. If you think that someone has placed an eavesdropping transmitter in your home, car, or office, you can get a Tran-Sentry from the Dee Company, Box 7263, Houston, Texas 77008. Regardless of the transmitter frequency used, the device will sniff out any hidden radio transmitter. The model 6B is \$39.95 and was designed for detecting signals at close range. A more sophisticated unit, the 8B, is \$59.95 is three times more sensitive.

Photolabels are name and address labels which contain your picture—nice for QSL cards! You get your name, call sign, address, city, state and zip, in addition to a photo of your choice on 500 gummed labels for \$2.50, postpaid. Order from Citizensphone, KKK0037, Box 1063, Lompoc, Calif. 93438.

For the XYL, a handsome bow pin with authentic CB mike replica attached, for the Old Man, a fine quality brushed chrome windproof lighter with a gold-plated mike emblem. The bow pin is available in gold or rhodium finish at \$2. The lighter is \$3. Both are available from



Nordlund Radio Products, 7635 West Irving Park, Chicago 60634.

Many of you have written for information on the S9 book, "Who's Who In CB," so here are some details. The book is a 100 page volume with a four color cover. In the edition are details of about 1500 U.S. and Canadian CB'ers—things such as club affiliations, XYL's name, hobbies, monitor channels, occupations, telephone numbers, and data as to whether the CB'ers swap cards. The book is a handy CB shack or mobile reference guide and has been acclaimed by many. Price is \$2, postpaid. If you were one of the CB'ers whose name is listed in the book (you had to fill out a special form), you can purchase the book for \$1. Order from: "Who's Who In CB," % Cowan Publishing Corp., 14 Vanderventer Avenue, Port Washington, N. Y. 11050. N. Y. State residents, please include the 2% sales tax.

Our friends at Haral Associates, Dept. C, 1133 Broadway, New York, N. Y. 10010, the makers of the "U.S. Government Officially Licensed Radio Communications Unit" signs, have slipped there lids. Now they are *buying* U.S. money at wild prices. For instance: send them any U.S. penny dated 1933 or earlier and they'll pay 3¢. Send them a 1955 U.S. 50¢ piece and they'll send you \$3! For any penny with a little "S" under the date, or for any 1943 "lead" penny, they pay 5¢. Any 1955 dime, or for any dime before 1940, they pay 15¢. Coints must not be drilled or mutilated, you can mix different denominations. If you say that you are an S9 reader, they will refund your postage. They say to send them any amount of the above coins, from a single coin to a bagful. When they told us about this wild scheme of theirs, we immediately busted open the piggy bank and turned about \$2 in junky change into \$4.55. Not a bad way to fatten up Porky without any effort! Head for the piggy banks, gang, before they change their minds at Haral.

**S9**

For those of you who follow Civil Air Patrol radio activities, please note that the CAP frequencies of 143.91 and 148.14 mc/s have been changed to 143.9 and 148.15 mc/s, respectively.

The Department of Agriculture has been testing a new "death ray" to kill bugs—a death ray consisting of a transmitter set up to transmit on several bands of frequencies, including our own 27 mc/s Citizens Band. In fact, of the four bands tested, the CB band scored as one of the most lethal. The radiation intensity used for the exterminating was about 3.6 kilovolts per inch (this is probably the voltage gradient between electrodes). The "death ray" is not supposed to interfere with radio communications. Other bands tried were 10, 13 and 39 mc/s. So next time a mosquito enters your shack, don't reach for the spray, reach for the mike button.



# KYLE'S KORNER

## WRITE TO:

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

Seems like every month I get around to starting the department just a little bit later—which leads to the answering of more questions than usual but less chatter. Maybe that's all for the good.

But it has a side effect in that I'm usually going so fast when I set out that I have to skim through the question box and take the most interesting ones, then sort through the newest batch—and sometimes (such as this month) there are so many in the new batch that there's not time to examine them all for this month's column.

Now this is a situation that's common to all columns of this type, and every columnist has his own method of picking which ones to open first. Most are rather secretive about their methods—but I'm going to let you in on my method right here, so that you can assure an earlier picking of your own question next time around.

It's simple: my sons are avid stamp collectors, and specialize in U.S. commemorative issues. Those questions in envelopes bearing commemorative stamps rather than the old reliable George Washington 5¢ blue get the first pass through the letter opener.

Of course, they all get opened eventually—but there's usually at least a month's difference in the time they get used. So now you know. Now let's get down to work—

## PART 15 TRANSMITTER REVISITED

*Some time back I revealed my lack of knowledge about available Part 15 equipment by stating in reply to a question that so far as I knew no Part 15 transmitter only was on the market. Now reader Jose R. Cruz of New York City advises me that one has been available since January 1963, fully equipped for both AM and CW transmission. The crowning blow is the manufacturer of this rig: International Crystal, right here with me in Oklahoma City. It's their Model 1500. Sorry about that, Royden. If the gentleman in Jamestown, Tenn., who asked the original question will drop a line to R. R. Freeland, International Crystal, 18 N. Lee, Oklahoma City, he'll find out all about the Model 1500 and its features.*

## DX ON THE LOW, LOW BAND

I recently bought a Zenith M-660 multiband receiver. One of its bands is 150 kc to 400 kc, and another is 500 kc to 1600 kc. I want to receive a station about 90 miles away on 486 kc. Is there any way I can do it?

—G.E.W., Stockton, Calif.

*Very few superhet receivers using an if of 455 kc cover the frequencies between 400 and 500 ks; this is to prevent troubles that appear when a superhet tunes through its own if range. About the only way to get this coverage is to add a converter out front, and since I know of nobody building a LF converter you probably would have to build your own. It would be quite a project, too. Alternatively, you might have the tuning range of the 500-1600 kc band moved downward so that it tunes from 480 kc or so up to something less than 1600 kc. This would cut into your BC-band coverage however, and the dial readings would no longer be correct on this band. A third way would be to build up a fixed-frequency TRF receiver using an old BC set having a 455 kc if. Take out the front end, oscillator, and mixer stages, realign the if transformers to 486 kc, and hook the first if up to a good longwire antenna. This might be the best way of all.*

## PART 15 SWITCH ADDITION

I recently bought a Lafayette HB-400 and was wondering how I could hook up a 100-milliwatt switch.

—B.S., Tacoma, Washington

*The technique would be to add a large resistor in the screen lead of the final RF output tube, with the switch shorting out this resistor for full input. With the switch open, the resistor will reduce the input. Just how big the resistor would have to be to cut back to 100 mw would be a matter of trial and error. However, it's not a worthwhile thing to do, since the FCC has ruled that use of such switches is not legal. At least, not if the intent is to operate Part 15, license-free. Even if the switch were legal for this purpose, it would have to be put in at the factory to be acceptable. Homebrew modifications to the RF output stages are definitely frowned upon by the FCC.*

## SINGLE SIDEBAND, HOW AND WHERE?

Can you give us any information on how we can go to single sideband? If so, does anyone handle converters or SSB radios on CB? We know that Mark makes one for \$299.50 but this is a little too high.

—F.G., Jacksonville, N. C.

*A couple of years ago, General Radiotelephone had some sideband adapters available; however so far as I know these are no longer available. Several smaller firms from time to time have announced adapters, but I have yet to actually see one of them. Matter of fact, the Mark unit appears to be almost the only game in town . . . but not quite. The people over at International Crystal have some things in their Add-On-Circuit line which can be made to add up to an SSB adapter. Only disadvantage is that it would cost around \$100 to \$150 to brew it up. I've had the design worked up on paper for a couple of years now, and it's all as legal as can be for anyone to build. Because of the cost, though, I haven't felt that it would be interesting enough to enough readers to do anything with. If I've been wrong and enough of you want to see such a unit, let me know and I'll see what we can do!*

## INTERNATIONAL CB LIST, ANYONE?

Could you advise me, please, what areas of the world can use CB equipment? If you do not have that information available, perhaps you can suggest a source which tells where operation on the CB channels is permitted. Also, whether or not the operation is restricted to certain classifications of equipment, as well as where it can be used. Thank you for your help.

J.C.J., South Haven, Michigan

*This is a hard one! CB equipment as we know it can be used in this country for sure, and in several of the South American countries as well—but I don't have an up-to-date list of the Latin countries permitting it. Operation in Canada is slightly different, with all sets having to be approved by the D.O.T. there. In Europe, Asia, and Africa it's anybody's guess. Some time ago there was talk of setting up a similar service in Great Britain, but I've heard nothing of it for more than a year and must suppose that the movement died. Can anybody else give us a hand with the list?*

## LOOKING AHEAD

I am writing you for some information. At the present time I have no CB gear at all but I am very interested in getting some when I return to the States later this year. I know nothing about the gear and all I have is a July issue of S9 which I have just about worn out. I want to know what, in your opinion, is the best make and model, the most powerful and the best for a person's money; the antenna best suited for my future area (Washington state), and what about SSB for CB; is it available yet?

I understand that a lot of CB rigs are made in Japan. Are they as good as stateside gear? If so I can pick up some when I get there next trip. But, as I said, I know nothing about this. I know two men in Seattle who have stations and they seem to disagree about each other's gear all the time. So Jim, if you can offer any kind of advice at all it will be very much appreciated by a future CB'er. Thank you.

—Pvt. J.F.M., Saigon, Viet Nam

*As I've said before (though not in the July issue you have, Joe) I can't give this kind of opinion much as I would like to, because the rig that I happen to like best is the one that fits me and my needs; it might not be at all right for anyone else with different needs and uses. So far as the power goes, virtually all the top-name units such as Messenger, Lafayette, Knight, Heath, General, eci, Browning, etc. (no one has been intentionally left out but there's not enough room to list you all!) measure out to within a small fraction of a watt of each other. The average figures range from 3.2 to 3.6 watts out, and personally I view anything over 3.5 watts with a large dose of salt. It's not too hard to measure up to 4 watts out, but when you do most often everything above 3.5 watts is second-harmonic, and that plays hob with life in a TV-viewing neighborhood. The thing to look for is a rig's reputation for "audio," meaning clear and powerful reproduction of the voice fed into it. Also important are the receiver characteristics, and the Japanese made a number of top-grade receivers (almost all of them transistorized, incidentally) which are sold here under many names. I don't have the names of the firms which make them to give you much help at that end. The best bet, really, is to attend a couple of jamborees when you get back, and visit with everybody. Listen to all the talk, and try to sift out which rigs are most popular. Normally, the most popular rig at any one time is the one which consistently delivers the best performance in a given area. That's why it's most popular! Sort of like the chicken and the egg. Ditto for antennas. Myself, I use a ground plane—but that's because I want a reference standard that I can compare new ideas against, and I know that I am sacrificing range to get it.*

Once again, we're out of space for this month, with the box still piled high. More next month, and of course I'll be looking for yours this time. In the meantime, don't miss my new book "Transistor Etched-Circuit Projects" which Howard W. Sams & Co. is releasing and which should be in your stores by the time you read this. You may not want to buy it (shame on you) but at least take a look and decide for yourself—don't be misled by the atrocious review I'm certain T.K. will give it as soon as he gets a copy! Till then, I'm 10-10 % S9, 14 Vanderverter Avenue, Port Washington, L. I., N. Y. 11050.

**S9**

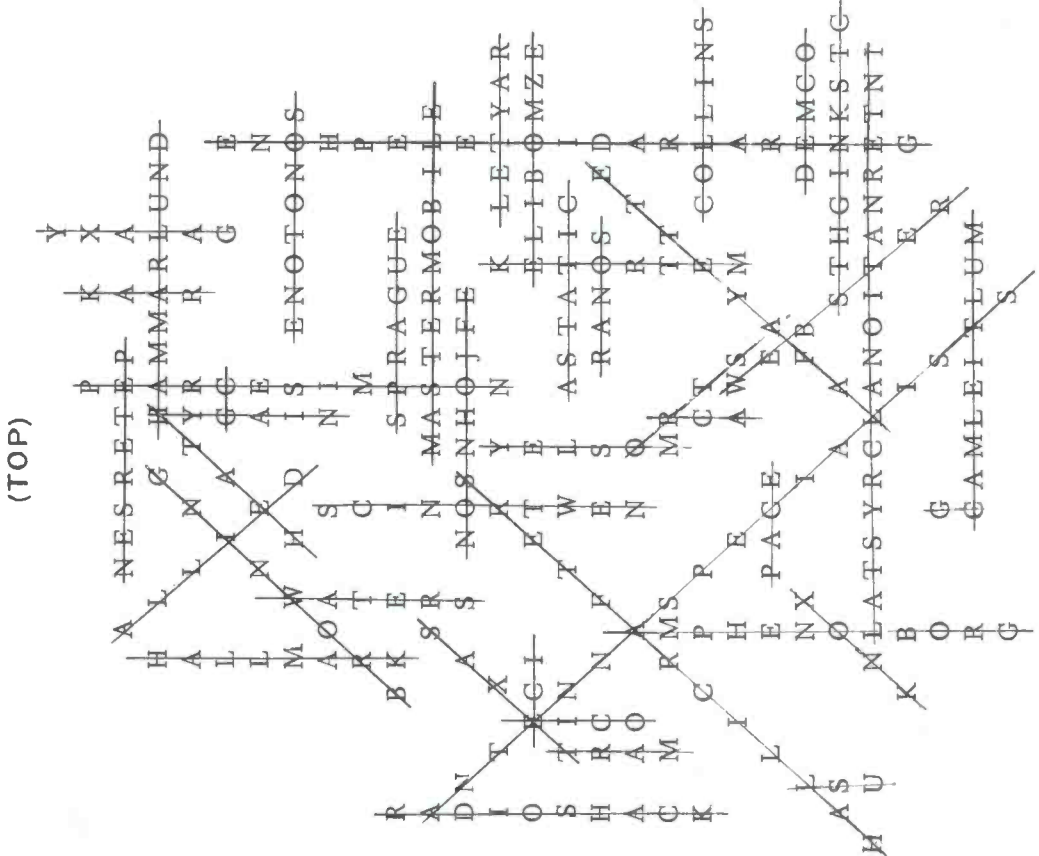
AN 59  
BRAIN  
BUSTER



# THE BRAIN BUSTER

Here is the solution to last month's Brain Buster puzzle, together with a listing of all of the manufacturers which were hidden away. Next month we will announce the winners.

- |                   |                           |                            |
|-------------------|---------------------------|----------------------------|
| 1. Petersen       | 16. ECI                   | 31. E F Johnson            |
| 2. Galaxy         | 17. Pace                  | 32. RCA                    |
| 3. Kaar           | 18. International Crystal | 33. Astro                  |
| 4. Allied         | 19. Multi Elmac           | 34. Lafayette              |
| 5. Hallmark       | 20. GC (listed twice)     | 35. Eico                   |
| 6. Waters         | 21. CTS Knights           | 36. Texas                  |
| 7. Radio Shack    | 22. Demco                 | 37. Mosley                 |
| 8. E Z Mobile     | 23. Collins               | 38. Astatic                |
| 9. Tram           | 24. Raytel                | 39. General Radiotelephone |
| 10. Browning      | 25. Sonotone              | 40. Antenna Specialists    |
| 11. Hallicrafters | 26. Hammarlund            | 41. Sonar                  |
| 12. USL           | 27. Sprague               | 42. Metrotek               |
| 13. Amphenol Borg | 28. Master Mobile         | 43. Knox                   |
| 14. Heath         | 29. Pearce Simpson        | 44. Webster                |
| 15. Hy Gain       | 30. Newtronics            |                            |





# 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.**

**New appointments to the A.P.R.E. program this month include: Jerry Furline, Route 1, Siluria, Alabama; Allistair K. Scott, P.O. Box 246, Glace Bay, Nova Scotia; Charles Murdoch, P.O. Box 2021, Windsor, Nova Scotia, Canada.**

## CENTRAL

The Nineteener's Citizens Radio Service, The active CB club in Northeastern Ohio, is holding a membership drive. We invite everyone who is interested in being on the inside of such events as: The All American Soap Box Derby, The Akron Soap Box Derby, Army Intelligence Operations, The Baberton Cherry Blossom Festival, all local parades, the Cleveland Soap Box Derby, and many other events in the Northeastern Ohio area; to contact our President, John Mickel in Akron at 923-3430 or myself John F. Fleming, 535-8676 in Akron. Or in Cleveland contact treasurer John Herchick, 271-1468. Also if you are interested you may drop by one of our club meetings which are held at #12 Firehouse in West Akron. The Firehouse is located on W. Market St. just across from Carter Jones Lumber Company at Walhaven. The Nineteeners meet on the first Saturday of every month at 8 p.m. We are essential to the Akron Civil Defense team under the direction of Civil Defense Director Dorothy Koller and have our own club license —KH11720.

The Lorain County CB'ers, Inc., of Elyria, Ohio, has been organized and incorporated by the State of Ohio. The officers elected were: President, Larry McGough, KLM0698; Vice President, Bill McCabe, KNM3729; Secretary, Christine Sparks, KHH2473; and Treasurer, Darrill Harshman, KHJ3901. Trustees are: Roy Sparks, KHH2473; Oran Hall, KNM9413; and Carroll Canfield, KNM8844. Agent is Don Down, KNM4905; and Sgt.-at-Arms is Howard Brinson, KLN6358.

Meetings are held on the last Sunday in each month at the Junior Chamber of Commerce Hall, 114 Harwood Street, Elyria, Ohio. Present membership at this writing is forty and rapidly growing. Mailing address of the club is: Lorain County CB'ers, Inc., P.O. Box No. 634, Elyria, Ohio 44035, % Christine Sparks, Executive Secretary.

News of this fine group comes from: Jon G. Batley, KH11466, S9 APRE for Ohio and AREA representative (Amateur Radio Editors Association).

The Illawa CB Radio Club, Inc. was organized October, 1964 and was incorporated April, 1965. Current membership is 35. Officers for the October, 1965-October, 1966 term are President, Jerry McClimon, KLK3502; Vice President, Fran Marn, KLJ6919; Secretary, Don Christensen, KLL0285; and Treasurer, Franklin (Red) Baldwin, KBH2255.

Civic activities have included a Halloween Patrol in October, 1964, helping Civil Defense with reporting of vandalism in the city. During the Mississippi River floods between April 21, 1965 and May 5, 1965 the Club worked with the ham radio operators dispatching sand and sandbag trucks and other equipment and dike patrol work. In the two week period 33 CB'ers under the direction of President, Jerry McClimon, KLK3502, worked a total of 1256 hours, working closely with the National Guard, Civil Defense and Police Department. Other work included relaying of information between Fulton, Illinois and Clinton, Iowa and assisting in ascertaining the welfare of relatives on both sides of the river. The Club was set up for operation 36 hours after being alerted.

May 22, 23, 24, 1965 the Club worked radio communications for a Boy Scout Camporee held in Clinton to

relay messages between the campsite and a base station in Clinton.

Social activities have consisted of a wiener roast, Christmas party, picnic and swimming party.

The Club meets on the fourth Thursday of each month in the Lyon's Den Recreation Center in Clinton, Iowa.

Club paper of the Hall of Fame CB Club is the Canton Static, of whom Lenora Wood, KDC1024 is editor. The Club is completing its 3rd year with 197 members led by President, Vance Bender, KH15355; Vice President, Jerome Arnold, KH19581; Secretary, Elaine Moskowitz, KHJ6030; Treasurer, Art Edwards, KH14414; Corresponding Secretary: Zuen Putzier, KLM5753. Meetings are held twice a month, with the business meeting the first Saturday and activity meetings the 3rd Saturday.

Interested party. Having a pilots license, ham license, and CB license. Most interested in anyone in this area wanting to operate aeronautical mobile and share airplane rental cost for hour or on weekends or nights. Contact: Richard M. Jacobs, WA0A1Y, KLN3442, 1015 Glenside Place, University City, Missouri 63130. Area code 314—WYdown 1-1941.

## SOUTHERN

"On July 7, 1965, The Mid-Delta Citizen's Band Radio Association was formed in Indianola, Mississippi. Officers are J. Talbert Leigh, KEB1773, President; Louis Scheider, KKR6550, Vice President; J. Edward Brownlee, KEA2942, Sec.-Treas. Meetings are held monthly at 7:30 p.m. on the first Thursday of each month. On September 2 we had a Bar-B-Q and had about 50 people present. At this time we have only 18 members from about three counties in the Delta, but we are anticipating more in the very near future."

"The Beaming Eagles Citizen Band Radio Club," the club is very young, only three years old. Organized October 7, 1962 with only five members. Today they are proud of the increase to 23 in membership.

They hold regular meetings every month. Some of the things discussed are: ways to improve Q.S.O.-ing on 2-way, things all CB'ers should know in case of an emergency, and many other facts that would support our club's motto, "Improving Human Relationship Through Citizens Band Communication."

They have had to demonstrate their effectiveness and know-how many times, especially the time when the school bus turned over while taking basketball players home from a tournament. There was 100% cooperation from all mobile and base stations in relaying messages from mobile to mobile and base to mobile. The CB'ers were going in different directions since the bus had to be located first. The bus was found and all mobiles assisted in carrying the players home.

Club officers are: President, Hardy E. Hubbard, KEA-1543; Vice President, Artis Williamson, KEA1893; Business Manager, George L. Williams, KEB1091; Secretary, W. B. Foster, KEB3168; Treasurer, Wallace Longest, KEB4874.

They monitor channel 14 and also (H-E-L-P) channel 9. We are glad to Q.S.O. with any CB'er passing through our city. We Q.S.L. 100%.

Several members of the Jackson Reactors, the Jackson CB Radio Club, and others were recently involved in a large search operation, along with several hundred other volunteers.

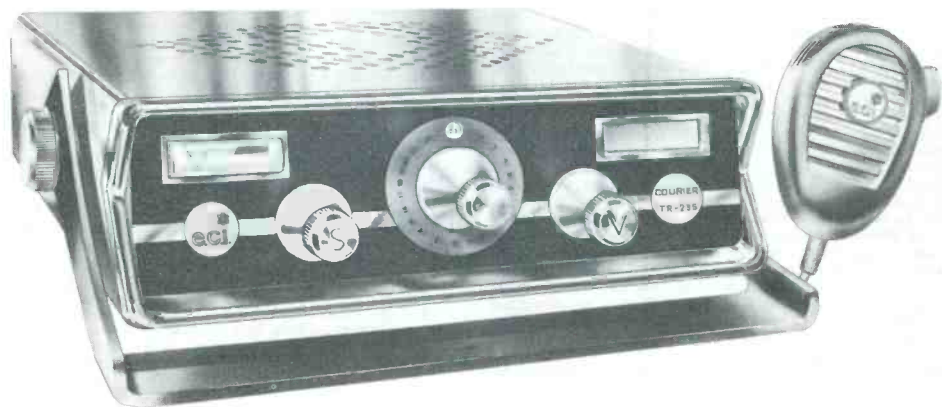
On October the 10th, Herb Turner, James Cockrell, Roger Wade, John Hilkert, Sidney Thorn, W. L. Barrett, Pete Loomis, and L. D. Chaney answered a call for volunteers to help in a search for a missing woman, an invalid who had wandered away from home in a snake-infested area several miles out of town.

*Continued*

# Only Courier 23-channel tra CB rig for \$169 guarantee it fo

What do you do for an encore after introducing the industry's finest 23-channel transistorized CB rig for the unheard price of \$169? Tag it with a 10 year guarantee!

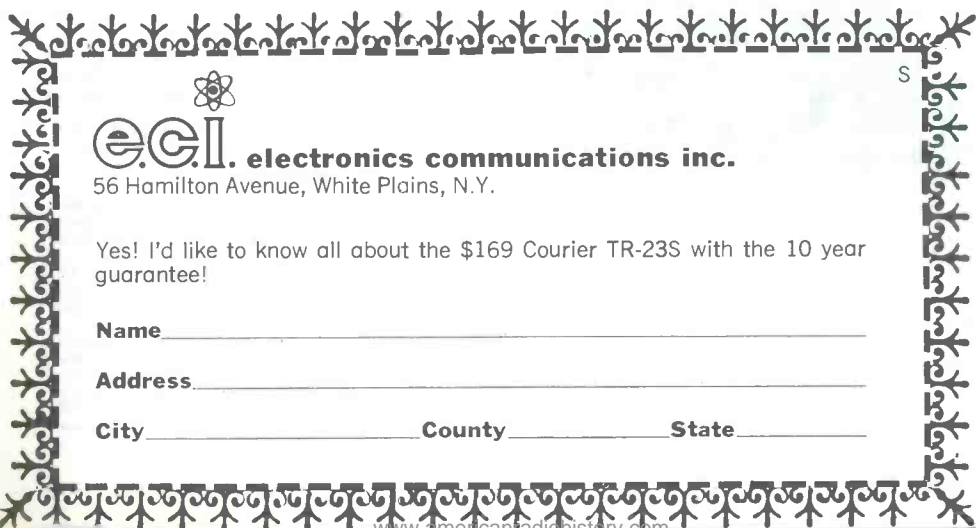
Silicon-transistors throughout bring the size down to 5¾"W x 6¼"D x 1⅞"H. With big-size performance. Complete, with microphone and a long list of features you want. Illuminated S meter. Illuminated channel selector. All crystals supplied for 23 channels. PA system. Auxiliary speaker jack. Single-knob tuning. Modulation indicator. DC cord. Chrome cabinet. Plus exclusive Courier "Safety-Circuit" to protect against mismatched antenna, incorrect polarity, and overload.




# gives you a warranty 9...and can be 10 years!

And what a guarantee! Under normal use, if anything goes wrong with your TR-23S within 90 days after you buy it, return it to your Courier dealer or to us and we repair it or replace it free of charge. And after 90 days and until *ten years* have passed, we'll do the same for only \$6.00, including shipping charges back to you.

You can see the Courier TR-23S at your nearest Courier dealer. Or use the coupon for all the data on the amazing Courier TR-23S-the CB rig with the ten year guarantee.



S

  
**e.c.i. electronics communications inc.**  
56 Hamilton Avenue, White Plains, N.Y.

Yes! I'd like to know all about the \$169 Courier TR-23S with the 10 year guarantee!

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Along with other CB clubs, numerous policemen, and other local citizens, an area of approximately 200 square miles was searched night and day for three days, and on the afternoon of the third day she was finally located, with much relief by all units.

Citizen Band proved its use to all during these three days. The search was carried on smoothly and included local civil defense and REACT groups, police, airbornes, and state game and fish commission officers, all using citizen band for the main communications.

### ATLANTIC

Monday's visit of the Red Cross bloodmobile to Giles County resulted in the collection of 124 pints of blood.

This was slightly less than the 130 pint quota, but is considered a good day since it followed by only two months the record-breaking August summer collection, said John B. Roller, Jr., blood chairman.

Roller stated that in the first two visits of this fiscal year, residents of Giles County have donated a total of 510 pints of blood.

Much of the success for this week's visit said Roller, is undoubtedly due the Tri-County Citizens Band Radio Club, which sponsored the visit. They have been very busy during the past two weeks in promoting the collection, Roller asserted. He added, "They did a real promotion job and are to be highly commended."

"Thank you" prizes were collected by the radio club for the visit.

The Frederick County CB Club, Inc. has just completed their Highway Emergency Locating Plan monitoring station on top of Braddock Mountain, five miles west of Frederick, Maryland.

They have set up their monitoring schedule and plan to be in full operation within the next few weeks. They will be monitoring channel 9. This station will be serving a very large area, because of its location on top of the mountain. Good communications can be carried out for a seventy-five mile radius or more. With this coverage it will give the State of Maryland the best CB assistance program in the United States, because this station makes a tie-in with four or five other emergency radio teams. Included in these is the famous Wheaton REACT Team which is without a doubt the best CB has to offer at the present time. Also Hagerstown REACT is like talking to a station in your own back yard. This system will be serving the metropolitan areas of Washington, D.C., Baltimore, Maryland, Frederick, Maryland, Hagerstown, Maryland, Martinsburg, West Virginia, and the Gettysburg, Pennsylvania area.

The Frederick County CB Club, Inc. has been organized for a mere year and a half, but has already staged a very successful CB Jamboree and many other club projects. All proceeds from these projects has gone



towards the setting up of the H.E.L.P. station.

The club has sixty active members and hold their meetings on the third Thursday of each month at St. Timothy's Episcopal Church on Franklin Street in Frederick, Maryland at 8:00 p.m.

Anyone wanting any information on the club write to Robert W. Barnhart, President, 501 Prospect Blvd., Apt. 2-B, Prospect Park Plaza Apartments, Frederick, Maryland 21707.

About 1:15 a.m. on October 16, 1965 The REACT RADIO PATROL Inc. of Hagerstown, Maryland was requested by the Hagerstown City Police and the Maryland State Police to assist in locating two Negroes who escaped from the Washington County Jail after being arrested for larceny. The REACT team responded with

22 members, including two police officers. Due to the nature of the assist 11 mobile units were put on the street with 2 members each. Mrs. Fay Benedict, KCG-2221, the REACT teams faithful 24 hour monitor was on duty and relayed any and all information to the city and state police. Your reporter being a lawman, wishes to thank the team in a whole for the attention to duty and for the service offered. One subject was reported in a certain block area and with 2 city police cruisers and about 6 REACT mobiles in this area he was soon captured by Officer Walter Carter with an assist from your reporter. I am very happy that all members remembered our By-Laws which reads "that members should not perform the function of a police officer unless that member should be a policeman." All members stayed in their mobiles and looked and listened as required. I am very proud to say that I am a member of The REACT RADIO PATROL Inc. of Hagerstown, Maryland. Jim Cross, KCF0823.

Prince Georges Vol. CB Rescue Service organized October, 1964. Officers elected were: President, Andrew F. Przekop, KCG1870; Vice President, Owen Masson, KCG1895; Secretary, Harriet Fleck, KLV0295; Treasurer, Carrie Letcher, KCG2384. Its purpose is to provide a patrol of mobiles on the New Capital Beltway, Route 495, which goes around the entire Washington, D.C. area. This mission is to promote the effective use of CB by giving emergency assistance to distressed motorists. The group has a base station set-up which the mobile units contact in an emergency or need of road service. Chairman is Jerry Peluzzo, KJE0246. Any CB'er interested and a resident of Prince Georges County, Maryland should contact President Andrew F. Przekop, KCG-1870, at 568-9046. Meetings are held on the second Tuesday of each month at Hillside Volunteer Fire Dept.

The CB Assistance Club of Chesapeake, Virginia elected the following trustees to office at the October 3rd meeting: Bill Hobbs, Jr. White, Clyde Randall and Lyman Riddick. This club was just voted into membership in the Virginia State Citizens Band Radio Association and we know they will be real workers for the State Association.

TERRAC held a dinner-dance October 9th at the Marine Room of the Giant Open Air market in Norfolk, Virginia which really turned out to be a nice evenings affair. Everyone stuffed themselves with some excellent food and danced to some fabulous music, furnished by a local group, which club member Don Fugate, KMK1938 is affiliated. The club welcomed new members Jerry Langley, KKM6222 and Bill Mosney, KKN2878 at its regular meeting.

News of these clubs is from Bob Smith, KKK6249.

The Virginia State Citizens Band Radio Association is seeking information from any state that has license plates for CB'ers. Anyone that knows how their State went about it can mail this information to Gordon Mitchell, KCI4692 at 725 Miller St., Norfolk, Virginia.

Three local CB'ers were most helpful during the Ford Punt-Pass and Kick contest held on October 9th at three of the high school athletic fields in Norfolk, Virginia. Herb Martin, KMK3235, Tom Key, KKK5654 and Gordon Mitchell, KCI4692 assisted the officials by furnishing communications between the fields by relaying the scores made at each field so that much time was saved in compiling the final scores.

Eighteen other CB'ers were quite surprised to receive a certificate of appreciation from the U.S. and Norfolk Chapter of the Jaycees for their help in a clothing drive held Easter Sunday for the flood victims in Minnesota.

News of Tidewater, Virginia activities is by A.P.R.E. Bob Smith, KKK6249.

### NORTHERN

On August the 8th a new club was formed in the Mon Valley area called the Mon Valley Citizens Band Radio Club. The club has been working very hard beside forming the club, signing up new members, and writing a set of by-laws. The club has forty members as of October 6th, and the charter is open until November 10th, after which an initiation fee will be paid plus membership dues.

The club found time to have a picnic before summer ended, and despite the time element which amounted to about 6 weeks, the picnic was a huge success. Free prizes were given every hour and door prizes were also raffled off. Next year's picnic is already in the planning process. It should be a tremendous success. The picnic will be held in June or July, 1966. Anyone wishing in-

formation may contact the secretary, Lorraine Johns, at P.O. Box No. 1, Monessen, Pa. 15062.

The meetings are held once a month, the second Wednesday of each month in the City Courtroom. The executive board will meet at 6:30 and the regular meeting will start immediately after at 7:30.

This group was organized with persons in distress in mind, and is dedicated to all community service. Any emergency no matter how serious, such as, a motorist in trouble, an automobile accident, or a house ablaze will be given all aid that is needed. The officers in this club are: President, Bud Johns; Vice President, Jim Liviskie; Secretary, Lorraine Johns; and Treasurer, Bill Morgan.

A.P.R.E. Donald R. Shue reports from York County, Pa. When the new 1966 Fords went on display, Barnhart Ford sales of nearby Red Lion decided to not only make it an occasion for the general public, but to extend a special invitation to all York City and County CB'ers for a gigantic "Coffee-Break." Although the call went out over the airwaves beginning the week of September 27th (the new models went on display Oct. 1 and 2) over 2,000 CB'ers from the York area as well as from Carlisle, Gettysburg, Columbia and other nearby towns attended the two day affair. Entertainment was furnished by the well-known 101 Ranch Boys, recording artists. As an added feature, CB'er Barry Rineholt, KKG6060, offered several Country and Western songs backed by the Ranch Boys. Drawings were held and several area CB'ers found themselves proud owners of new 1966 cars. The program was covered by local radio station WNOW and featured interviews of a number of CB'ers.

At a recent meeting of the Capital City Stand By Club of Concord, N. H., the following officers were elected for the coming year. The President is Mr. Jim Hall, KAK0010. The Vice President is Dick Parenteau, KBD0292. The Secretary is Mr. Herbert Morrill, KIQ-0600. The Treasurer is Mr. Harvey Paradise, KKA1763. There is one other elective office in the Club. The Sergeant At Arms. Mr. Bill Notides, KKA8785 holds that office. This CB Radio Club is available in most any emergency and is registered with the State Police, City, Police, N. H. Fish and Game Dept., as well as the Concord Fire Dept. The Club meets once a month at Central Fire Station in Concord.

From S9, A.P.R.E. William Davidson, KLP8083, Glens Falls, N. Y. Over the Labor Day weekend, from 7 p.m. Friday until traffic slowed to normal Monday night, Glens Falls Area CB'ers, patrolled the Northway and Rts. 4, 9, 149, 196, 197 and 254, watching for motorists in trouble. At least 12 cars were on patrol from 9 p.m. to 1 a.m. the peak hours for accidents or distress calls.

The patrollers aided 35 motorists, supplying gasoline, and water, helping to fix flat tires and broken fanbelts and furnishing jumper cables to start stalled vehicles.

CB'ers accept no money for these services except the cost of articles furnished. They were able, through a permanent base station to call for a wrecker or an ambulance, should they come upon an accident.

They work with the Sheriff's Departments, State Police and Municipal Police, freeing them to do their job, without being hampered by the minor troubles that spell annoyance for tourists and travelers but distract law enforcement officers from more vital duties.

The CB'ers did not force their help on motorists. If their aid is refused, they leave the scene without further action.

But to a motorist stranded on the shoulder of the Northway for example, a CB'er is usually a welcome sight.

At a special meeting, Area Police officers met with the Glens Falls CB'ers emergency group recently to set up cooperative teams to work with police on accidents, fires, patrolling highways on holiday weekends and Halloween night. As planned, the group will have at least 50 and as many as 100 automobiles equipped for any kind of emergency. At the meeting on the Highway Emergency patrolled were: Walter Holt, John Romp, Bruce Wood and Leonard Baxter, CB'ers and Sgt. Charles Godfrey, city police and Deputy Sheriff James Rozelle of the Warren County Sheriff's Department.

Club Officers: President, Herb Colvin, KIC2999; Vice President, Harley Hermance, Jr., KJI2772; Treasurer, Edward Pratt, KIE0139; Secretary, Ruth Colvin, KIC-2999.

Newly elected officers of the CRYSTALS CB CLUB



are: President, Brian Davis, KKD5927; Vice President, Ronnie Berman, KKD4640; Secretary-Treasurer, Jay Dubner, KKD2495; and Editor (of the Crystal Corner), Richard Rios, KB12123. Meetings are held every other Sunday, each is held at a different members home in alphabetical order.

Membership is 20 which includes two members in New Jersey, one in Penna., Illinois, British Columbia (Canada), and one in Berkamstead, Hertfordshire (England). The official address of The Crystal's is: 1072 Ruth Place, North Bellmore, L. I., New York 11712. All clubs wishing to swap newspapers with us should write to: The Crystal Corner, 2897 Ardsley Road, Wantagh, L. I., N. Y. 11793.

The official monitoring channels are 9 and 15. Our club is associated with REACT and H.E.L.P. Anyone wishing further information about the Crystals, please feel free to inquire at the address mentioned above.

In December of 1960, four men with Citizen Band Radios formed an organization later to be known as RADIO RESCUE SERVICE. To these men the radio was a means of communications in their work. It also became apparent to them that if these radios were banded together with a common cause, they could become very helpful in the community in which they lived.

R.R.S. is a non-profit organization with an ever increasing membership. Today there are three chapters, Headquarters, Greater Hartford, Enfield and Winsted. We boast a membership of approximately 100 willing and able men and women.

The program set forth by the organization to offer communications in such a manner as to be foolproof in any emergency, but not to interfere with any official authorities. When requested, then and only then will Radio Rescue Service become effective and will cooperate in all respects.

The organization can be put into effect in a matter of minutes, without confusion or delay of any kind, from a simple assignment to a complicated one. It has readily available several water craft, mobile units, walkie-talkies, as well as skin diving equipment.

Its purpose is to serve the surrounding community in which it is located, however, it does not confine its services to one community. It has on occasion worked out of state on calls. The members themselves are from all walks of life and ask no payment for their services. Our only support is by public donation.

The organization is licensed by the Federal Communications Commission under the call letters KBA6262, with twenty-five units working on the eleven meter band, Channel 2. We can be reached 24 hours a day, 365 days a year by telephoning: 649-0500 in the Hartford area—745-6171 in the Enfield area—379-8461 in the Winsted area. Information such as road conditions, weather, doctors, hospital, police, fire departments, taxis, etc. is readily available.

#### WESTERN

On September 24th, 1965 (this A.P.R.E. traveled to Prescott, Arizona to attend the monthly meeting of Arizona Local Emergency Radio Team (ALERT) on invitation of the group's President Mr. Zene M. Kempf,

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DESERT REACT 10/20 Ridgcrest/Chinalake, Calif. Date-line Sept. 13th. The Ridgcrest, Chinalake REACT team held a meeting at the home of Danny Reagan, KMX2567, at which time Danny was officially made a member of the local REACT team by Glenn Greenfield, KXX8292 (club Pres.). Those present at the meeting were: KMX-0800, Mrs. Tyler; KXX1888, Helen Wright and husband, KFA2936, Ted Wright.

KFA9774 whose address is 206 Frontier Dr., Prescott 86301.

A dinner at the local Hofbrau Restaurant, prior to the meeting was attended by the group's membership and their wives.

The meeting also hosted Mr. Martin Vukovic, KFA-8371, of Phoenix, who was kind enough to bring along a new CB Transceiver by Tram and demonstrated its excellent features. This A.P.R.E. also brought along some motion pictures of C.E.M.P.'s activities, which were shown the ALERT membership.

The Arizona group's desire to enter into a parallel activity of emergency communications service to the community of Prescott, as well as assistance to the authorities in Search and Rescue activities in that area. (This A.P.R.E. is a member of both C.E.P.M. and ALERT.)

On October 4th at 8:00 p.m., this A.P.R.E. attended the monthly meeting of the Tri Valley Radio Club, at the Conejo Community Center in Thousand Oaks, Calif. The Club's President, Joe Fetherston, KXX4681, invitation was accepted by this writer. This group is very active in local civic affairs and lending assistance to anyone in need. This group also is affiliated with REACT as the Conejo Valley REACT.

A film, on the Gemini IV Space flight was shown the membership and this writer enjoyed the entire evenings activity schedule. More visits to this groups' activities are planned. A Halloween Costume party is scheduled for the coming holiday season, including participation in a Yule parade of this community.

The Redwood Citizen Band Radio of Santa Rosa, Inc. has been very active in the past year, they have participated in over 25 events this year plus two meetings each month. They have gone on two campouts with 90% attendance. Sept. 13, 1965 The Redwood Citizen Band Radio of Santa Rosa, Inc. was appointed as a REACT Team for the Santa Rosa area.

This appeared in a recent copy of the "Metro QRM News," a monthly publication of the Metropolitan Denver Citizens Radio Club:

### The CB'ers Prayer

The FCC is my Shepherd I shall watch out, they filth my mail with pink tickets, they maketh me to stand on full channels, they taketh away my linear amplifier with which I have made many enemies, they reduceth my modulation.

Yea, though I walk through the Valley of Skip, I shall fear all breakers, for thou are with me. Their Monitoring Stations and staffs they watch me, my antenna height runneth over.

Surely Skip and inspection shall follow me all the days of my life and I shall dwell in fear of the Federal Pen forever.

Compliments of George Diehl, KMG0636.

Would the California Mountainair CB Club please write to the Manitou Springs Mountain Airls? They would like very much to correspond with you. There

address is: Mountain Airs CB Radio Club, Inc., P.O. Box 294, Manitou Springs, Colorado.

Search and Rescue activities in Colorado and other states in the 15th Call Area. If CB organizations who are actively engaged in search and rescue activities, or organizations who are formed primarily for search and rescue and use CB as a means of communications would report their activities use CB as a means of communications they would report their activities to me, Paul Schonstrom, 720 Ducla Ave., Manitou Springs, 15th Call Area Public Relations Editor, I will include them in my monthly reports to this magazine. This is one means of providing proof that CB'ers are interested in more than jamming channels. In recent weeks, I have received reports from the St. Anthony Hospital (CD) CB Emergency Group of Denver, Colorado who recently ran a test exercise of their capabilities to provide communications and escort service for medical staffs between St. Anthony's Hospital and the CD underground emergency hospital in the mountains west of Denver. Also the Colorado Mounted Rangers Colorado Springs Troop has been busy working with local agencies in search and rescue operations.

#### PACIFIC

The 10-10 Club of Lompoc, California, is a group now numbering 49 members from the Lompoc and Vandenberg AFB area. The club holds their meetings at 8 p.m. on the 2nd Saturday of the month. Officers of the 10-10 Club are: President, Bob Schmidt, KFA5145; Vice President, Robbie Robbins, KKK7367; Treasurer, Jerry Loper, KKK0037; Secretary, Katherine Yager, KMX0687. The club has moved to channel 9 for their monitor channel. This news comes from Frank Loftis, KCJ7145, A.P.R.E.

The West Penn Automobile Club has joined in a new approach to provide emergency assistance to motorists in distress. The new program, known as H.E.L.P. (Highway Emergency Locating Plan) utilizes Citizens Band (CB) Two-Way Radio and is designed to provide immediate aid or assistance to motorists encountering trouble on the Nation's streets, highways, and freeways.

Under this program, a CB-equipped motorist can easily and quickly summon such aid and assistance as a tow truck, ambulance, police, or any other needed help by using this low-cost, two-way radio.

In joining the H.E.L.P. Program, the Club will provide a continuous, 24-hour, listening watch on Citizens Band Channel 9—the nationwide calling and emergency frequency. The recent completion of the installation of seven CB transceivers (combination transmitters and receivers) in the Club's Headquarters Office, as well as in all of the Club's vehicles, assures radio-equipped motorists that requests for aid will be heeded at any time—day or night.

The Club's call letters are KNP5733, and Citizens Band radio frequencies are available to any motorist.

In addition to providing a Channel No. 9 monitoring service, the Club will also monitor Citizens Band Channel No. 14 in order to receive traffic reports and road condition reports from radio-equipped motorists.

In announcing the Club's participation in the H.E.L.P. Program, Club General Manager William W. Hoch said that Citizens Band Radio use has been growing rapidly. He said that there are now more than 3,000,000 CB Units in use across the country—more than 15,000 in Western Pennsylvania. Mr. Hoch also pointed out that the Federal Communications Commission is now issuing on-an-average of 14,000 Citizens Band Radio licenses each month.

The Club's CB Radio installation is the first system in Western Pennsylvania to provide a continuous, 24-hour monitoring of CB Channel No. 9, although many Citizens Band Radio Clubs, as well as others, do provide this emergency service for lesser periods of time each day.

Many motels, garages, police stations, and other service organizations are equipped with CB Radio; however, none monitor the emergency channel continuously.

In discussing the program, Mr. Hoch said that the AAA and the West Penn Automobile Club have long been concerned with the difficulty that motorists requiring aid encounter in reaching a telephone to communicate this need. He further said that the rapid completion of the Interstate Highway Network, with long distances between exits, has intensified this problem. In addition, the Nation's increasing crime rate makes most motorists reluctant to leave the safety of

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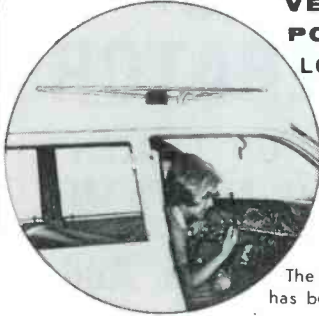
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their cars in remote areas, particularly at night.

Mr. Hoch said the new plan would bring aid to a motorist-in-need rapidly and safely.

In placing the program into effect, Hoch said that the Club has received invaluable advice and assistance from The 5-11 Radio Club, Inc., a group of CB Radio users who have been particularly active in providing emergency-communications services to area communities, police forces, etc. and in cooperating in area civic activities. Mr. Hoch said that it is anticipated that the West Penn Automobile Club will work in close cooperation with this Radio Club, as well as other CB Radio Clubs in the area.

In further discussion of the use of CB Radio for aid to motorists, Mr. Hoch said that its very rapid growth gives proof that motorists everywhere have accepted the use of this type of two-way radio for their business and personal use, as well as for its obvious use during times of emergency.

Motorists wishing to contact the Club need not be members and may use the Club's call letters (KNP5733) or may call the AAA by name. In emergency situations, motorists may call any Channel No. 9 listener.

In discussing the Club's future plans, Hoch said that, while the present installation serves Allegheny County only, units will soon be placed in service in Punxsutawney, Kittanning, and in other areas in the Club's territory. He further stated that Club staff members have been instructed to offer communications assistance whenever a stranded motorist is encountered on the highway.

While the West Penn AAA has used two-way Business Band Radio for many years, this type of radio system enables the Club to talk only with its radio-equipped service trucks. The new installation permits the Club to talk directly with the motorists via radio.

Along with the thousands of H.E.L.P. monitors across the country, eight other AAA Clubs have completed installations of CB Radio and twelve others have the units on order.

Those AAA Clubs now having this radio in service are: Automobile Club of Southern California, Los Angeles, California, KFA1122; California State Automobile Association, San Francisco, California, KNA2557; District of Columbia Division—AAA, Washington, D.C., KNV0056; Automobile Club of Maryland, Baltimore, Maryland, KM12052; Minnesota State Automobile Association, Minneapolis, Minnesota, KGE0315; Ohio State Automobile Association, KNN8762; Automobile Club of Rhode Island, Providence, Rhode Island, KMA2634; and the Automobile Club of Washington, Seattle, Washington, KND1319.

Members wishing additional information about CB Radio need only to contact the Club by telephone or by letter.

**CANADA**

Cape Breton Citizen Band Radio Club which takes in all of Cape Breton Island, membership wise.

However at the last meeting it was decided that Port Hawesbury members of the club who are approximately 100 miles from Sydney, N. S. where all regular meetings were held turn about with Port Hawesbury. In the future the Port Hawesbury group would hold their own meeting and send minutes of same to Sydney and Sydney would do likewise.

Lauchie Keigan, President, 81 Atlantic Street, Sydney, Nova Scotia; Bill Warren, Secretary, Witney Pier, Sydney, Nova Scotia; Bob Dicks, Vice President, Port Hawesbury, Nova Scotia; Ben Morrison, Entertainment Chairman.

This organization is most active, and is presently organizing for the winter months to give members training in Civil Defense, First Aid, Morse Code Lessons, Map Reading and several other short courses.

The Glace Bay Citizens Band Radio Club, (Entry Fee not decided upon) which takes in members in the Town of Glace Bay (Population 24,186). This club is independent and not in any way attached to the Cape Breton Citizen Band Radio Club, however members may join both organizations if they so desire. Meetings are held on the second Monday of the month, providing the day is not a holiday, in that event it will be held on the Tuesday. Business lasts approximately one hour with training program for approximately one hour.

Allistair K. Scott, President, 17 MacKeigan Street, Glace Bay, Nova Scotia; Betty Chant, Sec'y-Treas., 3 MacKeigan Street, Glace Bay, Nova Scotia.

And if successful will be starting a Morse Code Course in the near future with a local member who is also a Ham Radio operator.



Civil Defense Training Course will be carried out in the near future, also all members of the club will be officially enrolled as communication officers in the Town of Glace Bay's Civil Defense Operation. Glace Bay are official REACT members, and all members of the Glace Bay club are to become members of the new Canadian National Association: Central General Radio Service Association, Headquarters, P.O. Box 73, Scarborough, Ontario.

Note: Cape Breton CB Club also is official REACT organization.

The Glace Bay Club is interested in hearing from clubs throughout Canada and the United States, in exchanging ideas, etc.

### CITIZENS BAND RADIOMEN SERVE AS SEARCH AND RESCUE SQUAD

Civic-minded men have discovered a new outlet for their capabilities these days. With the growing popularity of Citizens Band radio, bands of owners of these sets, first drawn together in new friendships born over the air, began to cast about for ways to use their radios for the public good.

Any group of men gathered at random will invariably include specialists in many and varied fields. Put their skills together, train the aggregate in simple first aid and rescue methods and to obey accurately a leader in each specialized process, pool privately owned equipment, and the result is an outfit that can compare favorably with any professional team.

The CB'ers channel their talents into the area of search and rescue. At the present time, several such groups are already in action. Four years ago, there was only one, informally begun in the city of Salem, Massachusetts, and calling themselves the Citizens Band Search and Rescue.

Since their first meeting on December 26, 1961, these men trained together, teaching each other and learning from certified outside experts the skills necessary for the duties they set themselves. They gathered together their own pieces of equipment and purchased, as a group, thousands of dollars worth more. Now, as the Citizens Band Search and Rescue, Incorporated, they hold a State charter, and can boast of many invaluable

assists to local law-enforcement, fire, and rescue divisions.

Lighting equipment owned and manned by the CB Search and Rescue, Inc., has aided in firefighting and cleanup activity on many occasions. There are skin divers and woodsmen who have led the members in searching for missing persons believed drowned or lost in the wildernesses still remaining in Massachusetts. Aid to motorists by individual members or teams from this group has been a part of their activity from the inception of the organization. A Red Cross instructor in First Aid is a member, and his classes are well attended. And the organization is engaged in constant practice of their skills. Midnight calls are frequent and unheralded; a practice problem has been set up in a park or vacant lot and the boys turn out to give a smooth performance of real rescue to simulated victims.

Since the organization has grown in size and become well-known, groups of CB'ers in other towns have begun to talk about other units and affiliation with the parent group under its charter.

The Citizens Band Search and Rescue, Inc., is equipped with CB radios and is on twenty-four-hour call; they can be on the scene of a disaster within minutes of being called into action. Their services are offered to anyone, anywhere in the commonwealth in which they are chartered, without charge of any kind. The CB "grapevine" will often result in an offer from the unit of aid to a professional group on the scene. On occasion, local "pros," remembering past services, will call the CB'ers into action. Any civic division or private citizen needing aid may obtain it by calling the local fire station or contacting directly any member of the Search and Rescue team.

Director of the Citizens Band Search and Rescue, Inc., is William Cook, 2 West Terrace, Salem. Deputy Directors are: Nathan Cook, 107 Broadway, Salem; George Gagnon, 42 Harbor Street, Salem; Paul Peters, 13 Mount Vernon Street, Salem; and Henry Mangold, 29 Endicott Street, Peabody.

The rolls of the unit are still open to qualified men over the age of 16 years; application may be made to any member of Citizens Band Search and Rescue, Inc.

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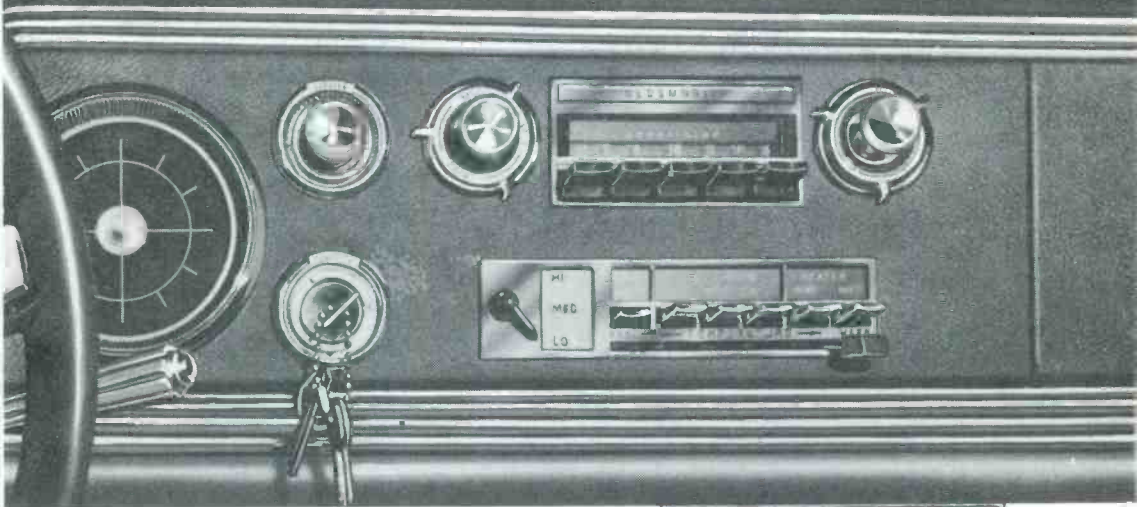
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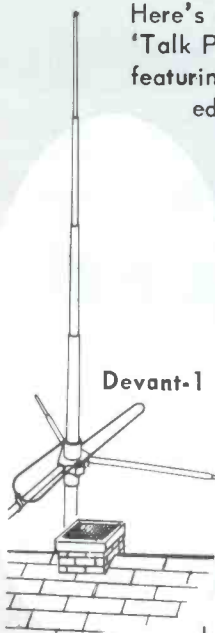
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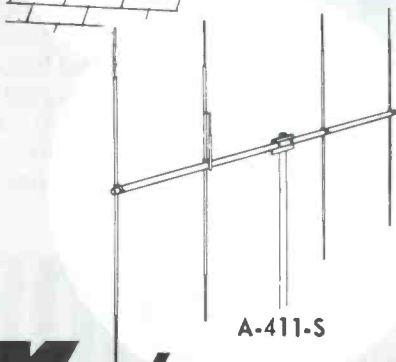
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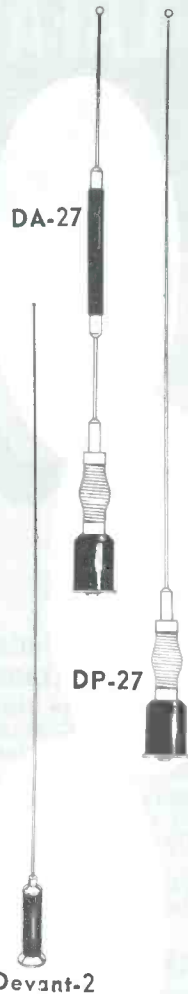
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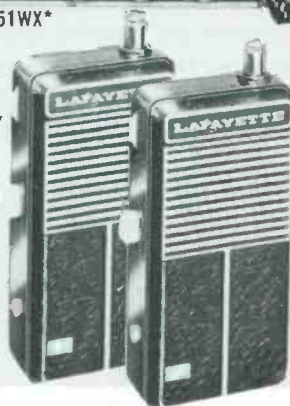
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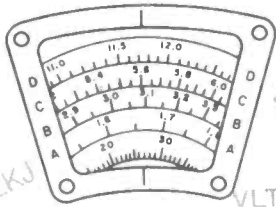
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# THE SWL SHACK

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

This month we are honored with a report from Alaska which was sent to us by Robert L. Baltimore, KDI2830, who is in the service. Bob uses a Hallicrafters S-120 hooked up to a 100 foot longwire and snagged KFL in Salt Lake City on 1180 kc/s; XERB in Rosario, Mexico, on 1090 kc/s; and KNBR in San Francisco on 680 kc/s—all at about 6 P.M. Alaskan Time. On the shortwaves, Bob reports hearing a mystery station on about 4100 kc/s—they kept repeating the word "Marsha" over and over.

Rodney Johnson, of Hampton, Va., advises that he has racked up a total of 62 countries verified with the following new loggings: *Voice of Free Korea*, Seoul, 9640 kc/s at 1600 EST; *Radio Japan*, Tokyo, 11780 and 15135 kc/s at 1900 EST; *Radio Sofia*, Bulgaria, on 9700 kc/s at 1900 EST; *Radio Warsaw*, Poland, on 6135 and 7125 kc/s at 1330 and again at 1430 EST; *Radio Athenas*, Costa Rica, on 6205 kc/s at 0600 EST.

Ken Simon of Gainesville, Fla., is a guy after our own heart—really digs those communications bands, and he sent us a report which oozes with the most juicy tidbits. For instance, during the Gemini 5 space shot, Ken monitored 10620 kc/s and picked up broadcast relay units located aboard two U.S. Navy ships—one was KJ3179 on the *USS Champlaign*, the other was KH9344 which was located aboard the *USS Dupont*. The high seas marine operator on Ft. Lauderdale, Fla., was heard over station WOM on 8242 kc/s, and while listening on 2182 kc/s he heard NRUR of the USCGC Androscoggin; NMA6 at the Coast Guard Base in Lantana, Fla.; and NMA in Miami. With the aid of a radio-teletype receiver he logged about 17 UPI press stations on 14740 kc/s. Let's hear from you again, Ken.

Our request for shack photos was heeded by Don Curtis, KKR4805, Denham Springs, La. Don pulls 'em in on a Browning receiver and



does his CB'ing with a Polycomm N. The antenna is a Magnum. He swaps 100% and the 10-20 is Route 2, Box 490.

Our reporter out on the eastern tip of Long Island, Claude Kumjian, KMD2215, of Orient Point has logged some interesting communications stations. Among his loggings are a station of the French Telecommunications Service located in Fort de France, Martinique, about 20 mc/s SSB from 0730 to 1330 EST on Mondays. What about the station of the East African External Telecommunications Company, located at Nairobi, Kenya? He hears that one on SSB at 1330 around 10700 kc/s. A U.S. Army station in Asmara, Ethiopia, is heard using the call AEZ on 7850. Claude passes along some news which should interest all those interested in the two-way communications aspects of DX'ing (ships, aero, military, police, press, telephone, etc.). He says that you can get a dandy 25 page booklet containing all sorts of frequency and address lists, plus report forms in 4 different languages, a list of military stations, and other similar data on these "utilities" stations from a group known as the Radio Communications DX Club. Price is \$1.40 via airmail, or \$1.20 via surface mail. I would imagine that if you sent 10 International Reply Coupons instead of the cash, the club



EST; *Voice of Germany*, Cologne, 6075 and 9640 kc/s at 2030 EST, and 6145 and 9735 kc/s at 0000 EST. *Radio Portugal* is reported on 6025 kc/s at 2200 EST.

Last month we mentioned that the American Shortwave Listeners Club seemed to have vanished—at least we haven't heard from them or seen a bulletin in many months. Just remembered that we have put the North American Shortwave Association ("NASA") in the same category. If anybody out there is in contact with club headquarters (if these clubs are still in business), please see if you can find out for us what's going on. What ever happened to their worthwhile bulletins which we used to receive?

This month's listing for DX and CB monitoring shacks is a listing of the FCC's communications network. We think that you will like next month's listing of Interzone and Zone police stations in the U.S. and Canada—this is a vast network of communications stations using 'phone and CW to relay vital police messages between different states and provinces. It's a list which is a must for every DX shack and CB emergency monitoring station—an S9 exclusive. And wait until you see what we have coming up for future 1966 issues!

Don't forget to send in those DX loggings and SWL shack photos!

**S9**

would probably be just as happy, inasmuch as they are located overseas. The club address is: RCDXC, Kyrkvagen 6A, Koparberg, Sweden. S9's editor, Tom, belongs to this club and says that membership costs 12 IRC's, well worth the cost of their informative monthly bulletin.

Another worthy photo from KMD0217, Bill and Don Ross, of Oceanside, N. Y. The shack consists of a Heathkit GR-64 receiver, Hammarlund CB-23 rig, and an Argonne AR-57 mike.

George G. Stradtman, Jr., Bloomsburg, Pa., hears *Radio Canada* well on 5970 kc/s at 0715

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# GUIDE TO THE FCC COMMUNICATIONS NETWORK

## FOR ALL CB AND SWL MONITORING STATIONS

The following list of FCC communications stations is un-official and was compiled from monitoring reports and various international rosters. Where possible, we have shown the particular office with which the station is affiliated and these are indicated by the following abbreviations: CCB = Common Carrier Bureau, MO = Marine Office, PM = Primary Monitoring Station, RD = Radio District Office (including the number of the district), SM = Secondary Monitoring Station, SO = Sub-Office (followed by district number). Stations with three numbers following the prefix are believed to be communications stations used to work FCC mobile units, probably on frequencies above 30 mc/s. The other stations, for the most part, use radio teletype and/or CW.

FCC Frequencies: 2110, 4483, 7790, 10655, 13830, 13990, 18050 kc/s.

KAA60	Allegan, Mich.	PM	KIA83	Chillicothe, Ohio	SM
KAA459	Kansas City, Mo.		KIA84	Powder Springs, Ga.	PM
KAA530	Denver, Colo.		KIA85	Ft. Lauderdale, Fla.	SM
KAA533	St. Paul, Minn.		KIA687	Atlanta, Ga.	
KAN32	Denver, Colo.	RD-15	KIA689	Miami, Fla.	
KAN36	Kansas City, Mo.	RD-17	KIA691	Norfolk, Va.	
KAN40	St. Paul, Minn.	RD-16	KIA695	Savannah, Ga.	
KAN41	Boston, Mass.	RD-1	KIA697	Tampa, Fla.	
KCA35	Searsport, Me.	SM	KIP68	Dallas, Tex.	RD-10
KCA38	Millis, Mass.	PM	KIP69	Houston, Tex.	RD-9
KCA39	Ambrose, Tex.	SM	KIP70	New Orleans, La.	MO
KCA404	Boston, Mass.		KIP71	Los Angeles, Calif.	RD-11
KCE57	Buffalo, N. Y.	RD-20	KKA50	St. Louis, Mo.	CCB
KCE58	New York, N. Y.	RD-2	KKA60	Kingsville, Tex.	PM
KEA468	Buffalo, N. Y.		KKA61	Muskogee, Okla.	SM(?)
KEA469	New York, N. Y.		KKA919	Dallas, Tex.	
KEG24	Baltimore, Md.	RD-4	KKA921	Houston, Tex.	
KEG25	Philadelphia, Pa.	RD-3	KKA922	New Orleans, La.	
KEG26	Washington, D.C.	RD-24	KKW36	San Francisco, Calif.	RD-12
KGA91	Laurel, Md.	PM	KKW37	Portland, Ore.	RD-13
KGA93	Washington, D.C.		KKW38	Seattle, Wash.	RD-14
KGA362	Baltimore, Md.		KMA485	Los Angeles, Calif.	
KGA363	Philadelphia, Pa.		KMA487	San Francisco, Calif.	
KGJ38	Atlanta, Ga.	RD-6	KMB26	Santa Ana, Calif.	PM
KGJ39	Miami, Fla.	RD-7	KMB27	Livermore, Calif.	PM
KGJ40	Norfolk, Va.	RD-5			

*Continued*

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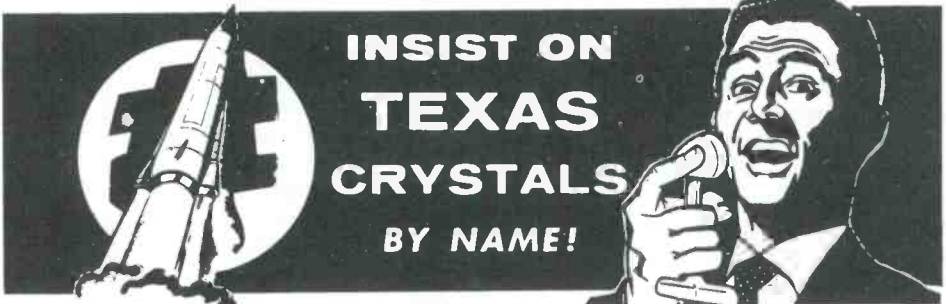
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KMP29	Detroit, Mich.	RD-19
KMP30	Chicago, Ill.	RD-18
KMP31	Honolulu, Hawaii	RD-21
KOA55	Spokane, Wash.	SM
KOA56	Portland, Me.	PM
KOA64	Twin Falls, Idaho	SM(?)
KOA487	Portland, Ore.	
KOA489	Seattle, Wash.	
KOT70	Beaumont, Tex.	SO-9
KOT71	Mobile, Ala.	RD-8
KOT77	San Diego, Calif.	SO-11
KQA62	Allegan, Mich.	PM
KQA488	Detroit, Mich.	
KQG97	Savannah, Ga.	SO-6
KQG98	Tampa, Fla.	MO
KSA459	Chicago, Ill.	
KSH43	Anchorage, Alaska	RD-23
KSH44	Juneau, Alaska	SO-23
KUA209	Honolulu, Hawaii	
KUN70	Lanikai, Hawaii	PM
KUS78	San Pedro, Calif.	MO
KWC41	Anchorage, Alas.	PM
KWO66	Fairbanks, Alas.	SM
WWQ20	San Juan, P.R.	RD-22
WWQ920	San Juan, P.R.	



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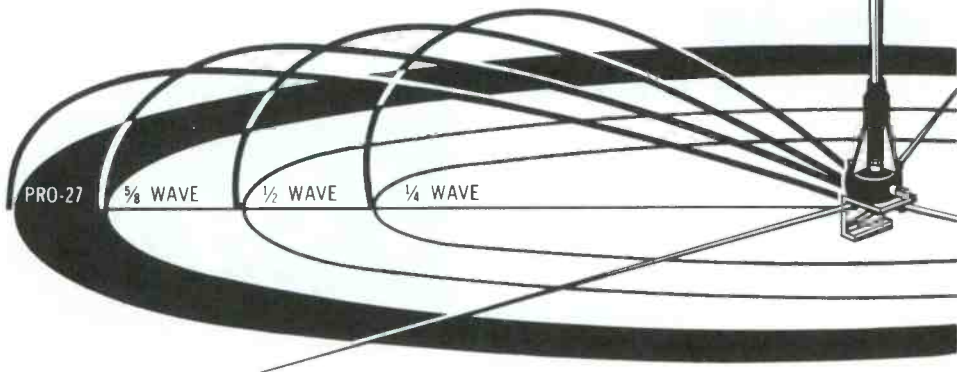
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- SACA 279 Pat & Bill Parker, KNV0070, Washington, D.C.  
280 C. Bailey, KEB4614, Pine Bluff, Arkansas  
281 W. Haines, KKI4574, Riverdale, Md.
- PX-25 547 L. Fried, KMD0404, Bellmore, N.Y.  
548 R. Anderson, KMI1946, Silver Springs, Md.  
549 C. Graham, Jr., KNA4015, Concord, Calif.  
550 B. Lukonis, KKK8400, Wallingford, Conn.  
551 J. Blythe, KKK5218, Conway, N. C.
- PX-50 470 L. Fried, KMD0404, Bellmore, N. Y.  
471 C. Groham, Jr. KNA4015, Concord, Calif.  
472 B. Lukonis, KKK8400, Wallingford, Conn.
- PX-75 367 D. Sigo, CENT.3250, Goodland, Indiana  
368 B. Lukonis, KKK8400, Wallingford, Conn.
- PX-100 336 H. Zoeske, KMV3981, Rantoul, Ill.  
337 Wm. Haines, KKI4574, Riverdale, Md.
- PX-125 249 H. Zoeske, KMV3981, Rantoul, Ill.  
250 D. Conder, KNJ4430, Centralia, Ill.  
251 Wm. Haines, KKI4574, Riverdale, Md.
- PX-150 205 R. Gould, KLM3971, Kalamazoo, Mich.  
206 W. Haines, KKI4574, Riverdale, Md.
- PX-175 176 O. Wakeman, KHG3318, Battle Creek, Mich.
- PX-200 151 R. Williams, KG18903, St. Joseph, Mo.  
152 O. Wakeman, KHG3318, Battle Creek, Mich.
- PX-225 129 G. Wiles, KKB4015, Williamstown, Mass.  
130 R. Williams, KG18903, St. Joseph, Mo.  
131 L. Maiden, KKK0717, Raleigh, N. C.
- PX-250 181 C. Marx, KLF1859, St. Paul Pk., Minn.  
182 L. Maiden, KKK0717, Raleigh, N. C.
- PX-275 109 E. Becker, KCG0706, Alexandria, Va.
- PX-300 110 C. Bailey, KEB4614, Pine Bluff, Ark.
- PX-650 102 B. Ross, KCG1087, Washington, D. C.
- MSA 203 V. Cavicchi, KKD7623, Morristown, N.J.  
204 C. Bailey, KEB4614, Pine Bluff, Ark.  
205 D. Field, KLL0077, Park Forest, Ill.
- SSC-1 213 Pat & Bill Parker, KNV0070, Washington, D.C.  
214 B. Lukonis, KKK8400, Wallingford, Conn.
- SSC-2 162 R. Williams, KG18903, St. Joseph, Mo.  
163 SSgt. E. Ross, KCG3689, APO San Francisco
- SSC-3 136 R. Williams, KG18903, St. Joseph, Mo.
- SSC-4 127 G. Wiles, KKB4015, Williamstown, Mass.

- SSC-5 115 C. Bailey, KEB4614, Pine Bluff, Ark.
- SSC-6 110 E. Becker, KCG0706, Alexandria, Va.
- SSC-21 101 B. Ross, KCG1087, Washington, D. C.
- SSC-22 101 B. Ross, KCG1087, Washington, D. C.
- SSC-23 101 B. Ross, KCG1087, Washington, D. C.
- SSC-24 101 B. Ross, KCG1087, Washington, D. C.

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Here are this month's swappers:

- 1Q4271 Henry Sowa, P.O. Box 571, Holyoke, Mass.  
1W6216 Errol Engraving, 36 Hampden St., Westfield, Mass.  
2Q0152 Karl Weiss, 245 Ashmore Ave., Trenton, N.J.  
2Q1147 George Delaney, 308-47th St., Union City, N.J.  
2QS468 Walt Alexander, 1233 Woodruff Ave., Hillside, N.J.  
4B5372 Jim Cross, 755 South Potomac St., Hagerstown, Md.  
9CQ472 Ben Bailey, 4201 Nagle, Bryan, Texas  
George Strainline, 1171 W. Miracle Mile, Tucson, Ariz.  
11Q1313 Eileen Inns, 530 Catalina Dr., Newport Beach, Calif.  
11Q2714 Glenn Davis, 6143 North Rockwell St., Chicago, Ill.  
18B2648 Tom Leadbetter, R.R. 4 - Box 40, Muncie, Ind.  
18Q5121 Rodger Nordlund, 7635 W. Irving Park Rd., Chicago, Ill.  
19A8145 Gene Hecht, 26 Sheridan, Pontiac, Mich.  
19QA0442 Art DeFrain, 226-3rd St., Harbor Beach, Mich.  
19Q0707 Jim White, Box 108, Syracuse, Ohio  
19Q8152 John Kasten, 5916 Westbrook Dr., Brookpark, Ohio  
20Q1360 Ivan Smith, 419 Water St., Danville, Pa.  
KAG1649 Al. Young, 350 Van Winkle Ave., Hawthorne, N.J.  
KAG2486 Dave Buda, 717 Centre St., Nutley, N.J.  
KAJ0765 J.L. Kirkland, Route 7, Raleigh, N.C.  
KAP2563 Burl Davis, R.#5, Parkersburg, W. Va.  
KAR0738 The Card Swapper, P.O. Box 411, Westfield, Mass.  
KBA4174 Harold Virgin, 14 Emery, Westbrook, Maine  
KBA5557 Ted Cummings, Bellflower Rd., Billerica, Mass.  
KBA7154 Rodney Nelson, Hideaway Lane, Norwalk, Conn.  
KBA8595 Lee Aspinall, 20 Forest Ave., North Haven, Conn.  
KBB0471 Fran Smithwick, Box #62 - Rt. 1, Ellington, Conn.  
KBC4768 George Sherman, 25 Church St., Rutland, Vt.  
KBC6229 Paul Conant, 139 North Main St., Florence, Mass.  
KBC6510 Ralph Bryant, 716 Riverside Dr., Fairfield, Conn.  
KBC7679 Robert Huguenin, U. of Pitts. Dorm., Titusville, Pa.  
KBC9193 John Weigel, 119 Shaw St., New London, Conn.  
KBC9285 John Christofaro, 7 New Lane Rd., New Canaan, Conn.  
KBD0747 Herb Girard, 348 Carrington Ave., Woonsocket, R.I.  
KBD1849 Paul Sanders, 5 Victor Rd., Framingham, Mass.  
KBG6576 Charles Armwine, 725 South Broad St., Trenton, N.J.  
KBG7687 Robert Thatcher, R.R. 1 - Box 59-B2, Hudson, N.Y.  
KBG8079 Alvin Allen, 610 Prospect Ave., Spring Lake Hts, N.J.  
KBH0248 Lee Gilbert, Box 211, Pleasant Lake, Ind.  
KBH0853 Tom Walton, 324 Kenilworth Rd., Louisville, Ky.

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.  
 KBI2504 Mike Troy, 271 North Ridge St., Port Chester, N.Y.  
 KBI2504 Mike Troy, 271 North Ridge St., Port Chester, N.Y.  
 KBI4141 Danny Seifert, 163 So. Main St., Phillipsburg, N.J.  
 KBI4513 Al Leslie, 184 Wales Ave., River Edge, N.J.  
 KBI5592 George Gross, Waring Rd. M.D.15, Newburgh, N.Y.  
 KBI6025 Max Latterman, Box 608 - RD.1, Princeton, N.J.  
 KBI6373 Charles Bennett, 89 Valley Rd., Haworth, N.J.  
 KBI6480 Art Scheid, 2 Essex Place, Hartsdale, N.Y.  
 KBI8077 John Krejc, 60 Division Ave., Garfield, N.J.  
 KBI8478 Saul, Lynbrook 11563, L.I., N.Y.  
 KBI8510 Robert Gannon, 322 First St., Newburgh, N.Y.  
 KBI9265 John Sullivan, 20 - 47 32 St., Astoria, N.Y.  
 KBJ0499 Herbert Kuehke, 10 E. Grand Ave., Montvale, N.J.  
 KBJ0753 Richie DuBois, Box 135, R.D.#2, Wallkill, N.Y.  
 KCC2969 Robert Stouch, Box 120, R.D.1, E. Stroudsburg, Pa.  
 KCC4177 Telstar Communications, 513 E. Market St., Pottsville, Pa.  
 KCD5165 John Shronk, Box M, Mont Clare, Pa.  
 KCD6109 Lois Lowell, R.D. 2, Sellersville, Pa.  
 KCD6125 Neil O'Connell, 22 Cassatt Ave., Berwyn, Penna.  
 KCF1616 Frank Albanese, Berkeley Springs, W. Va.  
 KCF2446 Robert Crigger, 411 S. Mount St., Baltimore, Md.  
 KCG0706 Eddie Becker, 5606 Franconia Rd., Alexandria, Va.  
 KCG1087 Barney Ross, 425 Garden St., Washington, D.C.  
 KCG2216 Doris Cross, 755 South Potomac St., Hagerstown, Md.  
 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.  
 KCG3575 Jim Lott, White Post, Va.  
 KCG4106 Dave Royer, Route 1 - Box 133, Finksburg, Md.  
 KC12842 Clarence Moore, Route #4 - Box 34, Thomasville, N.C.  
 KC1J1216 Robby Gough, Route 1 - Box 4, Crozet, Va.  
 KC1J292 Hazel Stubbs, P.O. Box 1076, Rockingham, N.C.  
 KC1J3880 Lee Willick, 3709 Hester Circle, Raleigh, N.C.  
 KC1J4187 Joel Smyre, 747 S. Brady Ave., Newton, N.C.  
 KCJ5002 J.L. Kirkland, Route 7, Raleigh, N.C.  
 KCJ5092 Dough Paynter, 1001 E. Jefferson St., Charlottesville, Va.  
 KCJ6642 Wilbur Grant, 4113 Arlington Hills Dr., SW, Roanoke, Va.  
 KCJ6987 Tommy Pollak, Gladys, Virginia  
 KCJ8516 The Morrison's, 826 Longview Dr., Woodbridge, Va.  
 KCJ9615 James Surratt, Route 2 - Box 86, Denton, N.C.  
 KDA0334 Truman Jones, Route 8 - Box 218, Roanoke, Va.  
 KDB0371 Bill Howell, 545 Palmetto Lane, S.W., Aiken, S.C.  
 KDB9372 Claude Hooper, RFD 3 - Box 130, Sylva, N.C.  
 KDC1358 W.L. McKeever, 408 Lynn Ave., Lakeside, Ohio  
 KDC1716 John Croke, 21 Elmwood Court, Alexandria, Ky.  
 KDC2091 Charlie Kreuger, Route 2, Marion, Ohio  
 KDD2134 Michael Ashby, 316 S. Franklin St., Tullahoma, Tenn.  
 KDD5222 William Holmes, Box 92, Glenwood, Ala.  
 KDI0142 Nick Adams, 815 W. Washington St., Quincy, Fla.  
 KDI3938 Earl Barnes, Rt. 1 - Box 1594, Haines City, Fla.  
 KDJ0332 Nick Miller, Box 3006, St. Petersburg, Fla.  
 KEB11661 Bob Fancher, Darling, Miss.  
 KEB3600 Bill Hubbs, 7824 West 36th, Little Rock, Ark.  
 KEB4614 Carlos Bailey, Route 6 - Box 400, Pine Bluff, Ark.  
 KEE2743 Harry Hoffpowner, 724 Coolidge Rd., Channelview, Tex.  
 KEJ1049 Harry Garrison, 45503 Sanrock Ave., Lancaster, Calif.  
 KEJ1341 E.H. Rogers, 24950 E. 6th St., San Bernardino, Calif.  
 KEJ5828 John Hamner, 12350 So. Fern Ave., Ontario, Calif.  
 KEJ6681 Bob Osterhout, 3624 Meier St., Los Angeles, Calif.  
 KFA2338 Frank Whetzel, 916 Larker Ave., Los Angeles, Calif.  
 KFA6387 George Prock, 4814 W. 131st St., Hawthorne, Calif.  
 KFA9923 Helen Morse, P.O. Box 1395, Ontario, Calif.  
 KFB0185 Mark Greenstein, 6357 Maryland Rd., Los Angeles, Calif.  
 KFD4351 Steve Kruft, 1755 29th Ave., San Francisco, Calif.  
 KFD5345 Cecil Long, P.O. Box 367, Ivanhoe, Calif.  
 KFD5811 Larry Klueder, P.O. Box 183, Oroville, Calif.  
 KF11219 Jack Sudduth, 8103 16th S.W., Seattle, Wash.  
 KGC2295 Duane Foss, Box 238, Laramie, Wyo.  
 KGC2576 Gene Godsoe, 1406 Oneida St., Denver, Colo.  
 KGF1675 Earl Wertz, 79 Kincheloe St., Kincheloe AFB, Mich.  
 KGF3034 Dick Lano, 351 Chatfield, Winona, Minn.  
 KGH2584 Joseph Rose, 1009 Figg, Wichita, Kansas  
 KGH3372 Wayne Hutchins, P.O. Box 311, Carthage, Mo.  
 KGI1077 Bob Fellows, Box 38, Goff, Kansas  
 KGI6100 Robert Schminck, 357 No. Waco, Wichita, Kansas  
 KGI6245 Bob Zaitz, 5439 Dober Lane, St. Louis, Mo.  
 KGI6979 Don Marshall, 301 Circle Dr., Carrollton, Mo.  
 KGI7912 Donn Stoneburg, Box 221 Ames Ave., Omaha, Nebr.  
 KGI8903 Ralph Williams, 3420 Nickell Dr., St. Joseph, Mo.  
 KGJ9206 Bud Ward, 968 Lindeman, Des Peres, Mo.  
 KHA0733 Harold Handley, 13800 W. 145th Place, Lockport, Ill.  
 KHA5150 Virg Mansfield, 600 West 7th, Muncie, Ind.  
 KHA6027 Don Bates, 1N320 Morse St., Wheaton, Ill.  
 KHB1210 Larry Rost, R.R. 2, Muscatine, Iowa  
 KHB3556 John Ernstberger, 3516 S. Hermitage Ave., Chicago, Ill.  
 KHB3971 Larry Parkhurst, 1000 West 11th St., Muncie, Ind.  
 KHC4453 Dick Stout, Maple Spring Farm, Chatham, Ill.  
 KHC5525 Carl Connolly, 924 Haverford Dr., Lafayette, Ind.  
 KHC7324 Huff The Hobo, 4424 Leesburg Rd., Ft. Wayne, Ind.  
 KH8C132 Harry Faus, 1214 W. Washington, Bluffton, Ind.  
 KHD1288 Charles Couchman, Box 194, North Vernon, Ind.  
 KHD2732 Nick Schmidt, 1719 W. Catalpa, Chicago, Ill.  
 KHD3773 Percy Hunt, 1152 Bigger St., Gary, Ind.  
 KHD4705 George Newberry, 1027 W. Douglas St., Freeport, Ill.  
 KHD5777 Jim Carey, R.R. 1, Sylvan Lake, Rome City, Ind.  
 KHE1484 Norm Swartzentrubers, 702 East Jackson, Goshen, Ind.  
 KHG3085 Edwin Chisholm, 1825 Avon St., Saginaw, Mich.  
 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  
 KHG5905 Bill Collice, 569 Carey St., Zanesville, Ohio  
 KHG6176 Herman Werfele, 3121 Jacob St., Wheeling, W. Va.  
 KHG9031 Jack Pye, 1014 S. Campbell, Royal Oak, Mich.  
 KHG9085 Alfred Hogan, 1108 Walker St., Mansfield, Ohio  
 KHHI363 George Radenheimer, 3121 Andrew St., Middletown, Ohio  
 KHH2828 Frank Hall, 711 Water St., Barboursville, W. Va.  
 KH15457 Geo. Barker, 343 N. 27th St., Battle Creek, Mich.  
 KH15522 Jim Foley, Port Sanilac, Mich.  
 KHJ1206 Marty Snyder, 1516 Lockwood Rd., Barberton, Ohio  
 KHJ2246 Guss Cottis, RD. 2, Bantam Ridge, Wintersville, Ohio  
 KHJ2359 David Kitchen, Box 594, McComb, Ohio  
 KHJ3477 Donald Belitz, 13474 Enid Blvd., Lake Fenton, Mich.  
 KHJ3482 Robert Albright, R. 3, Alpena, Mich.  
 KHJ3914 Ralph Jester, 564 Road Lake Dr., Mich. Center, Mich.  
 KHJ4598 Fei DeFord, P.O. Box 81, Barrington, Mich.  
 KHJ4747 Don Senger, 2650 Mandale, Orchard Lake, Mich.  
 KHJ5042 Harold Davis, 9575 Shell Beach Rd., Pinckney, Mich.  
 KHJ5190 Terry Elliott, 327 Riverside Dr., Battle Creek, Mich.  
 KHJ7033 Max Green, 100 North Main St., North Baltimore, Ohio  
 KHJ7131 Ken Hassie, 115 Woodlawn Dr., Ironton, Ohio  
 KHJ7892 Boots Beaudry, Box 252, Trenton, Mich.  
 KHJ7895 Bob Best, 12067 Greenlawn, Detroit, Mich.  
 KHJ8472 Doug Thrasher, 1164 Lindsay Ave., Akron, Ohio  
 KHJ9411 Jim Waters, 28 S. Pembroke Ave., So. Zanesville, Ohio  
 KHJ9558 Ed Leonard, 3518 Smithfield Lane, Cincinnati, Ohio  
 KIA0468 Clarence Kernstock, 1820 Filmore Pl., Essexville, Mich.  
 KIC1207 Arlene Warner, 2273 Mosser Ave., Williamsport, Pa.  
 KIC3500 Ruthie Bopp, 350 W. Fifth St., Lewistown, Pa.  
 KID0007 Fred Martz, Davis-Lane Speedway, Hustontown, Pa.  
 KID0186 Mike Reshetar, 102 1/2 Walnut St., Binghamton, N.Y.  
 KID3872 Herman Heuser, 341 West 11th Ave., Tarentum, Pa.  
 KID5225 Harry Platt, R.D. 1 - Shaw Rd., Conklin, N.Y.  
 KID5293 George Gould, P.O. Box 42, Hudson Falls, N.Y.  
 KID5389 James Gross, 1410 Burley Ave., Tyrone, Pa.  
 KID5802 R.V. Pollard, 109 Pennsylvania Ave., Johnstown, N.Y.  
 KID6356 Roscoe Harrington, 5 Schuyler St., Hudson Falls, N.Y.  
 KID7260 Stan Bretkopf, 271 Stanton Lane, Rochester, N.Y.  
 KID8232 Roy McGreggor, R.D. 2, Central Square, N.Y.  
 KID8939 Ronald Hoover, 303 Eden Ave., Waynesboro, Pa.  
 KIE0184 Nason Brass, Conoesque, Pa.  
 KIE0628 Al Gully, R.D. 3 - Box 392, Coraopolis, Pa.  
 KJC0223 J.C. McCalla, 273-G Dyea Ave., Ft. Richardson, Alaska  
 KJH0080 Robert Crubbs, Route 3, Winston-Salem, N.C.  
 KJ12293 The Silver Eagle, 339 Harter St., Herkimer, N.Y.  
 KKA0488 Cyril Wilson, 6 Collins Terr., Lynn, Mass.  
 KKA0658 Jerry Cote, 105 Old Walpole Rd., Keene, N.H.  
 KKA11997 Jim McSwain, RFD 2 Windsor, Vt.  
 KKA3340 Hootin Annie, 11 Forthill Rd., Poquonock Bridge, Conn.  
 KKA4210 Dick Clagston, Starks, Maine  
 KKA5174 George Brown, 101 Truman St., New London, Conn.  
 KKA5305 Chase's Engraving, 175 Kitehawk Rd., Uncasville, Conn.  
 KKA5308 John Mildner, Roberts St. RD 1, Paicog, R.I.  
 KKA5683 Bob Holmes, King Road, Monson, Mass.  
 KKA6048 Mike Suintava, 198 Mercer Ave., Bristol, Conn.  
 KKA6894 David Goodwin, 68 South Broadway, Lawrence, Mass.  
 KKA7269 Phil Newcomb, 59 Center St., Ballardvale, Mass.  
 KKA7402 John Flynt, Royal Coach Motel, Weirs Beach, N.H.  
 KKA7756 Armand Gladu, 2 Pinnacle Point, Adams, Mass.  
 KKA7994 Jim DeLude, 87 Woodward Ave., Middletown, Conn.  
 KKA8101 John Moriarty, 86 Beacon St., Florence, Mass.  
 KKA8428 Linda Frtizges, 12 James St., North Haven, Conn.  
 KKA8441 Leonard Prue, 11 Forthill Rd., Poquonock Bridge, Conn.

KKA9690 Peter Flynn, 212 Allen St., Springfield, Mass.  
 KKA9926 Brian Benkosky, 343 Washington St., Keene, N.H.  
 KKB0156 Kevin Gobeille, 15 Wilson St., N. Wilbraham, Mass.  
 KKB0188 Robert Grip, 60 Sexton St., New Britain, Conn.  
 KKB0346 Richard Baletti, 313 Sandwich St., Plymouth, Mass.  
 KKB0399 Stan Holland, South Rumford, Rumford, Maine  
 KKB0748 Tom Pluta, 31 Stony Hill Rd., Indian Orchard, Mass.  
 KKB1587 Al Lapointe, 60 Prospect St., New Britain, Conn.  
 KKB1975 Cy Hyde, 17 Ocean St., Belfast, Maine  
 KKB2326 Bob Campbell, 5 E. Collins St., Salem, Mass.  
 KKB3963 Joe Magnano, 136 Liberty St., Middletown, Conn.  
 KKB3080 Elsie Randall, 71 Taylor St., Granby, Mass.  
 KKB3548 John Monaco, 118 Ledgestret Ave., New Britain, Conn.  
 KKB3702 Ron Corda, 525 Nichols Ave., Stratford, Conn.  
 KKB3757 Harrison Cunningham, 71 Water St., Hallowell, Maine  
 KKB3865 Ed Porter, 446 West St., Rutland, Vt.  
 KKB4058 Mike Kepner, Lebanon, N.H.  
 KKD0491 Mike Gajlan, 37 Fairview Terr., Maplewood, N.J.  
 KKD1013 Rich Werner, Box 234, Port Ewen, N.Y.  
 KKD1177 Christopher Ordal, 5 Shelley Rd., Short Hills, N.J.  
 KKD1746 Ivan Samuels, 179 Glenview Rd., South Orange, N.J.  
 KKD1915 John Fernicola, 13 Dryden Terr., Short Hills, N.J.  
 KKD1946 Al Neely, 90-26 215 Place, Queens Village, N.Y.  
 KKD2292 Henry Meyer, 50 Knickerbocker Rd., Plainview, N.Y.  
 KKD5471 Clifton McGuire, 814 Southard St., Trenton, N.J.  
 KKD6836 Ron Clark, 90-06 215 Place, Queens Village, N.Y.  
 KKD6953 Peter Mozzone, 382 Horton Hwy., Mineola, L.I., N.Y.  
 KKD7623 Vinny Cavicchi, Lake Valley Rd., Morristown, N.J.  
 KKD8383 Bob Peterson, 61 Crosshill Ave., Yonkers, N.Y.  
 KKD9486 Willie Bergman, 248-02 76th Ave., Bellerose, N.Y.  
 KKD9510 Ray Dame, 38 Vliet St., Cohoes, N.Y.  
 KKE0173 Tony Russomanno, 9 School Rd., Whippany, N.J.  
 KKE0366 Al Martinez, 15 Lindy Pl., Old Tappan, N.J.  
 KKE0449 Al Farber, 2554 E. 29th St., Brooklyn, N.Y.  
 KKE0584 Steve Selbach, 129 Gordon Ct., Oradell, N.J.  
 KKG1280 Clarence Diehl, 800 Mohican St., Bethlehem, Pa.  
 KKG3074 Harold Pier, 617 Halliard Ave., Beachwood, N.J.  
 KKG3229 Don Schmitt, 9 Chambersburg St., Gettysburg, Pa.  
 KKG4032 Sophia Mitch, 309 South St. Cloud St., Allentown, Pa.  
 KKG4281 Charles Lucabaugh, 916 Baltimore St., Hanover, Pa.  
 KKG4482 Lee Petrucci, 316 W. Van Buren Ave., New Castle, Del.  
 KKG6029 Jack Heilig, 888 Club House Rd., York, Pa.  
 KKI2063 Jack Mory, 2501 Washington Blvd., Balto., Md.  
 KKI2915 George Bowen, 831 W. Mathews Ave., Baltimore, Md.  
 KKI2997 Don Breiweiser, 947 Maryland Ave., Hagerstown, Md.  
 KKI3355 Donald Vaughn, 318 Muldenbury St., Woodstock, Va.  
 KKI3995 Ray Cliff, 122 East 3rd St., Frederick, Md.  
 KKI4574 William Haines, P.O. Box 333, Riverdale, Md.  
 KKI0566 Archie Patton, Route 2, Raleigh, N.C.  
 KKI1145 Jim Brizendine, 2016 Wayne St., N.E., Roanoke, Va.  
 KKI2366 Jack Barbour, 1659 Old Buckroe Rd., Hampton, Va.  
 KKI4410 Smylie Grantham, P.O. Box 364, Raeford, N.C.  
 KKI4512 Jake Sprouse, Rt. 6 - Box 279, Charlottesville, Va.  
 KKI6388 Bill Ball, Box 65, Raven, Va.  
 KKM1253 Buford Richey, 225 Davis Ave., Florence, Ala.  
 KKM2052 Linton Slappey, P.O. Box 52, Plains, Ga.  
 KKM6607 Neal Alexander, 3790 Wieuca Terr., Atlanta, Ga.  
 KKM7376 Donald Wilson, 1529 Bush Blvd., Birmingham, Ala.  
 KKM7482 Charles Cromer, Route 1 - Box 282A, Newberry, S.C.  
 KKM7788 Claude Witt, 814 S. Webb Ave., Crossville, Tenn.  
 KKM9702 James Wolfe, 1707 Merrycrest Dr., Memphis, Tenn.  
 KKN0224 Jerry Bumbaugh, 316 Crest Dr., Boone, N.C.  
 KKN0258 Bill Powers, P.O. Box 104, Bowling Green, S.C.  
 KKN0673 Randall Thomas, Box 108, Boone, N.C.  
 KKN0793 G.W. Page, Box 398, Lake View, S.C.  
 KKN0923 Bob Murray, 1003 S. Hickory St., Chattanooga, Tenn.  
 KKN2690 Carroll Rogers, Box 178, Middletown, Conn.  
 KKN2985 Charles Martin, Rt. 6, Harrison Pk., Cleveland, Tenn.  
 KKN3163 M.A. Cookson, 307 E. 41st St., Savannah, Ga.  
 KKN3229 T.J. Gibson, Box 564, Bennettsville, S.C.  
 KKN4052 Harvey Massie, Rt. 3 - Box 95A, Sylva, N.C.  
 KKP2023 Dale Haskins, Grove Service, Lake Hamilton, Fla.  
 KKP2232 John Sanders, 3209 Cherokee Ave., Tampa, Fla.  
 KKP2242 Frank Wolfgang, 4729 Bay Vista Ave., Tampa, Fla.  
 KKP3068 Mark Haskins, P.O. Box 182, Lake Hamilton, Fla.  
 KKP4124 Gene Pairgin, 5111 68th St. North, St. Petersburg, Fla.  
 KKP4175 Jack Thompson, 3710 Kinsman Ave., Ocala, Fla.  
 KKP4260 Clark Dickinson, Rt. 2 - Box 50, Perry, Fla.  
 KKP5254 John Saunders, 2202 E. 109th Ave., Tampa, Fla.  
 KKR5223 Charles Keathley, 3005 Loma Dr., Little Rock, Ark.  
 KKR6231 Mike Anderson, P.O. Box 2626, Laurel, Miss.  
 KKT3640 Doc Goodwin, 4301 Nagle, Bryan, Texas  
 KKT3680 Le Winder, 4204 Oaklawn St., Bryan, Texas  
 KKT4113 James Bowman, Box 703, Fresno, Texas  
 KKV3836 Clarence Norton, 512 W. Broadway, Longview, Texas  
 KKV4589 Paul Drennon, 2402 Anderson, Irving, Texas  
 KKK1831 Joe Stechnij, 555 W. Mahoney Ave., Mesa, Ariz.  
 KKK4383 Joe Bodnar, 9309 National Blvd., Los Angeles, Calif.  
 KKK5201 Dale Fletcher, 54728 El Prado Trail, Yuca Valley, Calif.  
 KKK7505 Pete Gabel, 4240 Palmero Dr., Los Angeles, Calif.  
 KKK7642 Walter Koziel, P.O. Box 2212, Bell Gardens, Calif.  
 KKK9108 Tommy Baer, 4137 Loma Alta Dr., San Diego, Calif.  
 KLA2524 John Brown, P.O. Box 502, San Pablo, Calif.  
 KLA3291 Paul Linehan, 2 Estabueno Dr., Orinda, Calif.  
 KLA3573 Stephen Ward, 1756 Hallmark Ln., San Jose, Calif.  
 KLA5065 Dennis Simonson, 127 Lee Ave., San Francisco, Calif.  
 KLA5187 Ken Anderson, P.O. Box 1008, Los Gatos, Calif.  
 KLA5788 T&E Saunders, 782 Hutchings Dr., San Leandro, Calif.  
 KLA6569 Bob Wright, 1243 Sierra Mar Dr., San Jose, Calif.  
 KLA7292 Wayne Metzger, 4068 N. 3rd, Fresno, Calif.  
 KLA7428 Jack Evans, P.O. Box 108, Ivanhoe, Calif.  
 KLD2362 Richard Spengler, Route 1 - Box 48, Grangeville, Idaho  
 KLE0268 Tom Raczynski, Rt. 1 - Box 77, Laramie, Wyo.  
 KLF2139 Art Paulk, 3262 W. 3800 So., Salt Lake City, Utah  
 KLF2385 Bob Albrecht, 401 Liberty, Winona, Minn.  
 KLF2980 Steve Butler, 822 North Glendale Ave., Tomah, Wisc.  
 KLI1123 Dick Arthur, 3424 James St., Topeka, Kansas  
 KLI1335 Phil Holcomb, 712 Dubuque St., Sioux City, Iowa  
 KLI1434 W.H. Stalons, 3903 Garfield, Lincoln, Nebr.  
 KLJ0255 Bob Pierce, Box 382, Lansing, Ill.  
 KLJ0280 Al Warshaw, 1905 E. 86th St., Chicago, Ill.  
 KLJ3281 Gerald Manet, 2207 West 9th St., Muncie, Ind.  
 KLJ4024 Loren Snyder, 542 9th Ave., South, Clinton, Iowa  
 KLJ4142 Ron Kramer, R. 1, Box 45J, Trevor, Wis.  
 KLJ4663 Bev Chappell, 3644 E. Minnie St., Decatur, Ill.  
 KLJ6791 Lou Rubenstein, 9901 Calhoun Ave., Chicago, Ill.  
 KLJ7000 Melvin Murphy, R. R. 1, Wapolla, Ill.  
 KLJ8259 Jack Jackson, Jackson's Texaco, Morocco, Ind.  
 KKK1581 Frank Hawley, 2313 Johnson St., Keokuk, Iowa  
 KKK1975 W.H. Willett, Lewisport, Kentucky  
 KKK2881 Buzz Colburn, 902 Oak Lane, Russellville, Ky.  
 KKK4264 Jim Nall, 606 North Hite, Louisville, Ky.  
 KKL4317 Pat Cavanaugh, 3620 West Southland Dr., Franklin, Wis.  
 KKL4830 Francis Wagner, Elizabethtown, Indiana  
 KKL4886 Charlotte Stearman, P.O. Box 326, Albany, Ill.  
 KKL4958 Jesse Wade, 224 W. Elm St., Chillicothe, Ill.  
 KKL5617 Chuck Sylvester, 1629 East 86th Place, Chicago, Ill.  
 KKL5810 Irving Felzer, 2131 So. 15th Pl., Milwaukee, Wis.  
 KLL0297 Bob Hubsch, 179 Westwood Dr., Park Forest, Ill.  
 KLL0681 Dick Stichter, 851 E. Pleasant St., Freeport, Ill.  
 KLL0800 Gil Davis, 2405 Sunset Blvd., Anderson, Ind.  
 KLL0809 Fritz Stearman, Albany, Ill.  
 KLL1090 Reid Kenley, P.O. Box 427, Maywood, Ill.  
 KLL1097 Kenneth Fruit, R.R. 2, Huntington, Ind.  
 KLL1447 Lee Collins, 4814 Sundale, Drayton Plains, Mich.  
 KLM3314 Paul Monhart, 2170 W. 63 St., Cleveland, Ohio  
 KLM4343 Mike Meyer, 134 Reif St., Frankenthum, Mich.  
 KLM4842 Bessie Hazen, 231 North Mead St., Zanesville, Ohio  
 KLM5051 Jim Swartz, 62 Stadium Dr., Tallmadge, Ohio  
 KLM5950 Jim Tomw. 325 Terrace Dr., Wintersville, Ohio  
 KLM7450 Bill Piper, R.F.D. #5 - Box 414, Swanton, Ohio  
 KLM7506 Frank Bradd, P.O. Box 336, Marshall, Mo.  
 KLM7788 Charles Holland, 942 Lingle Ave., Owosso, Mich.  
 KLN0934 Leonard Beaudry, 32821 River Rd., E. Rockwood, Mich.  
 KLN1475 Walter Huber, 365 Notre Dame, Grosse Pointe, Mich.  
 KLN2106 Gary Lauff, 1447 Ballou, Grosse Pointe Park, Mich.  
 KLN2229 Jerry Bradley, 1881 Whitefeather Rd., Pinconning, Mich.  
 KLN2522 Anthony Gover, Bronston, Kentucky  
 KLN2610 Joe Tyika, 1410 Maple St., West Bellaire, Ohio  
 KLN3125 John Dougherty, 129 Elmoro St., Zanesville, Ohio  
 KLN3263 Henry Smith, 11944 Algonquin, Pinckney, Mich.  
 KLN3497 Ed Newton, 2120 Irving Dr., Benton Harbor, Mich.  
 KLN3775 Walter Parman, 911 North Main St., London, Ky.  
 KLN5264 V.A. Norling, 25 Indian Trail, Poland, Ohio  
 KLN5418 Don Noel, 4912 S. Hill Rd., Milford, Mich.  
 KLN5598 Rawlings Funeral Home, London, Ky.  
 KLN5726 Douglas Dix, 3307 Martindale Rd.N.E., Canton, Ohio  
 KLN6367 Tom Getgood, 426 Mitchell St., Sanford, Mich.  
 KLN6383 Robert Saltsman, 412 Water St., Salsineville, Ohio  
 KLN7344 John Arnold, 8 E. Main St., Trenton, Ohio  
 KLN7841 Grace Beaudry, Rt. 1, Rose City, Mich.  
 KLN8105 Gabby Rodabaugh, 10078 E. Coldwater, Davison, Mich.  
 KLN8233 Don Gorda, 1854 Warwick, Lincoln Park, Mich.  
 KLN8383 Phil Samuell, 3503 Orchard, Portsmouth, Ohio  
 KLN9155 Evans Johnson, 115 McKea, Manistee, Mich.  
 KLN9710 Ray Keller, 852 N. Rosedale Ave., Lima, Ohio

KLN9961 Orville Bluhm, 1483 F. Bellum, Muskegon, Mich.  
 KLO0253 Marvin Davis, W. Wayne St., Dunkirk, Ohio  
 KLO0598 William Lechner, 4441 Parnell, Pontiac, Mich.  
 KLO0638 Dick Seperic, 3324 Karen St., Lansing, Mich.  
 KLO1270 Bob McClellan, Box 51, 203 Furnace Ave., Elberta, Mich.  
 KLO1619 Bruce Macbeth, 5631 Sandalwood Ave., NE, N. Canton, Ohio  
 KLP0319 Pete Hons, 614 Main St., Portage, Pa.  
 KLP3284 James Phillips, 599 West 8th St., West Wyoming, Pa.  
 KLP3765 Ken Clemens, Box 71, Yorkville, N.Y.  
 KLP3877 Jean Hoover, 303 Eden Ave., Waynesboro, Pa.  
 KLP4032 Milan Abbott, R.D. 1 Geneva Rd., Lyons, N.Y.  
 KLP5005 Bud Fowkes, 1031 5th Ave., Duncansville, Pa.  
 KLP5525 Bill Becke, 11 Maple Dr., Bath, N.Y.  
 KLP6626 Wallace Nolen, 12 Chase St., White Plains, N.Y.  
 KLP7094 Del, Arthur, R#3, Lowellville, N.Y.  
 KLP7184 T. Ken Davis, 118 Strang St., Westfield, Pa.  
 KLP7516 Guy Widmeyer, Box 99-A, Hopwood, Pa.  
 KLP7578 David Moss, P.O. Box 61, Endicott, N.Y.  
 KLP7749 Ray Bronder, 416 9th St., Monessen, Pa.  
 KLP7879 Clarence Peet, Box 73, Port Crane, N.Y.  
 KLP8083 Howard Davidson, 26 Knight St., Glens Falls, N.Y.  
 KLP8179 Tony Dominguez, 272 W. Lawrence, Albany, N.Y.  
 KLP8791 Jim Smith, R.D. 3, Fort Plain, N.Y.  
 KLP9024 Dave James, P.O. Box 872, Sharon, Pa.  
 KLP9151 Bob Lance, 10 Fredella Ave., Glens Falls, N.Y.  
 KLP9534 Steve Delorm, 258 Spencer Rd., Rochester, N.Y.  
 KLP9557 George Booth, 971 Sweeney St., No. Tonawanda, N.Y.  
 KLP9660 Harold Clark, Ashford Station, Ellicottville, N.Y.  
 KLP9700 Bob Bowser, 130 Blackmore St., Pittsburgh, Pa.  
 KLP9709 Dick Tipton, 1252 Hilton Parma Rd., Hilton, N.Y.  
 KLP9789 Ed Kindervater, Box 404, Hopwood, Pa.  
 KLQ0114 Roger Hamm, 1447 Union Center, Endicott, N.Y.  
 KLQ0211 Don Bean, Box 130, Knoxboro, N.Y.  
 KLQ0423 Roy Clinch, 3558 Gifford Rd., Vernon Center, N.Y.  
 KLQ0457 Charles Goughnour, 207 Coldren St., Johnstown, Pa.  
 KLQ0660 Jerry Monroe, RD 1, Coy Rd., Greenfield Center, N.Y.  
 KLQ0964 Pete Guy, Box 55, Middle Grove, N.Y.  
 KLQ1560 Jud Kurlancheck, 242 East Dorrance St., Kingston, Pa.  
 KLQ1563 Cliff Miller, 137 East Budd St., Sharon, Pa.  
 KLQ1636 Charlie Forsyth, 2077 Lockport-Olcott Rd., Burt, N.Y.  
 KLQ2217 Don Anderson, 528 Ridge Ave., Cannonsburg, Pa.  
 KLQ0347 Charles Lowrey, Box 3878-P, Star Rte B, Anchorage, Ak.  
 KMA0060 Norman Harold, 27 Blantyre Rd., Malden, Mass.  
 KMA0858 Dick Schreiber, P.O. Box 147, Barrington, R.I.  
 KMA2028 Edwin Keller, 10 South St., Plymouth, Mass.  
 KMA2125 Anthony Vieira, 9 Holway Ave., Provincetown, Mass.  
 KMA2418 Irving McKirryher, 42 1/2 Freeman Ave., Rutland, Vt.  
 KMA2465 Tom Vecchitto, 117 So. Vine St., Meriden, Conn.  
 KMA2668 Steve Shear, 177 Cherry St., Malden, Mass.  
 KMA2766 Chuck Saverse, High Manor Park, Rockville, Conn.  
 KMA3004 Al Pelc, 117 Plimpton St., Southbridge, Mass.  
 KMA3337 Jerry Kushin, 21 Grand Ave., Nashua, N.H.  
 KMA3521 John Franzen, 102 Mount View Dr., Holden, Mass.  
 KMA3784 A. LaMay, Lyons Rd. W. Brookfield-Box 295, Ware, Mass.  
 KMA3939 Johnny McGann, 50 Coombs St., Southbridge, Mass.  
 KMA4245 Henry Tadrzenski, 143 Newell Ave., Bristol, Conn.  
 KMA4850 David Glenn, 370 Warner Hill Rd., Southport, Conn.  
 KMA5273 James Stuart, 45 South Main St., Baldwinville, Mass.  
 KMA5715 George Goodell, Enfield, N.H.  
 KMA5726 Eddie Bellar, 15 Rockland St., Fitchburg, Mass.  
 KMA5939 Paul Carlson, 351 South Main St., Attleboro, Mass.  
 KMA5991 Gary Monterville, 102 East St., Plainville, Conn.  
 KMA6506 Otis Butler, Cedar Haven Motor Court, Brewer, Me.  
 KMA6681 Russell Grant, Breezy Hill Rd., St. Johnsbury, Vt.  
 KMA7167 Edward Madej, 193 Oak St., Indian Orchard, Mass.  
 KMA7386 Al LaMont, 334 Linden St., Holyoke, Mass.  
 KMA8289 Anita Finn, 26 Munjoy St., Portland, Me.  
 KMD0003 David Boyko, 2514 Callahan Ave., Watervliet, N.Y.  
 KMD0382 Bob DibsDow, 298 Spackenkill Rd., Poughkeepsie, N.Y.  
 KMD0428 David Bellask, 1159 E. 42 St., Brooklyn, N.Y.  
 KMD0992 Howard Huneke, 518 Mountain Ave., Springfield, N.J.  
 KMD1113 Richard Harvey, 133 Morris Ave., Summit, N.J.  
 KMD1314 John Humphries, 102 Lincoln Ave., E. Paterson, N.J.  
 KMD1357 Dwight Pagano, 444 E. 20th, New York, N.Y.  
 KMD1755 Ronald White, St. Remy, New York  
 KMD2108 Ron Kerber, 25 Broadway, Park Ridge, N.J.  
 KMD2076 Bill Coppeton, 263 North 11th St., Prospect Park, N.J.  
 KMD2334 Sherwood Wile, 15 Vanderventer, Pt. Washington, N.Y.  
 KMD2436 John Erwin, 38 Gouverneur St., New York, N.Y.  
 KMD2453 Louie Gagliano, 18-3rd St., Brooklyn, N.Y.  
 KMD2746 Gene Rosenberg, 367 Grant Ave., Oradell, N.J.  
 KMD2938 Mike Young, 544 Metropolitan Ave., Staten Island, N.Y.  
 KMD3059 Bruce McPherson, 231 Wales Ave., River Edge, N.J.  
 KMD3295 Alex Marcus, 315 East 68 St., New York, N.Y.  
 KMD3327 W. Mitchell, 31 Fowler Ave., Newburgh, N.Y.  
 KMD3719 Dale Schmalings, 239 Seymour Rd., Port Chester, N.Y.  
 KMD4217 Clifford Dvorkin, 857 Liberty Ave., Union, N.J.  
 KMD4950 Tony Hayford, 1146 Broadway, Rensselaer, N.Y.  
 KMG0214 Rich Matiza, 1437 Reservoir Ave., Roslyn, Pa.  
 KMG0471 Charlie Stauffer, R.D. #1, Holtwood, Pa.  
 KMG0515 Michael DeRossi, So. East Ave., Vineland, N.J.  
 KMG0524 Gary Nicholson, 801 North Pitt St., Carlisle, Pa.  
 KMG0791 Gregory Pace, 910 Redwood Dr., Carlisle, Pa.  
 KMG1344 Dorian Stuart, 613 Carsonia Ave., Pennside, Reading, Pa.  
 KMG1726 John Wilhem, 401 2nd St. Holloway Terr., New Castle, Del.  
 KMG1806 Ken Harryn, 158 W. Clarke St., Heilertown, Pa.  
 KMG1866 Don Titus, R.D. 1, Gettysburg, Pa.  
 KMG1918 The Reinhardt, 445 Independence Dr., Burlington, N.J.  
 KMG2365 Stephen Drabick, 143 Garfield Ave., Cementon, Pa.  
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 KMG2638 George Sayers, 317 W. Van Buren Ave., New Castle, Del.  
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 KMI0962 Wm. McDowell, 8 Jones St., Piedmont, W. Va.  
 KMI1219 Russell Lopez, 216 Elk Ave., Nutter Fort, W. Va.  
 KMI1259 Joe Lentini, 7911 Alberst Dr., Pensacola, Fla.  
 KMI1825 David Waltz, 2134 Spencerville Rd., Spencerville, Md.  
 KMI1975 Bill Rowan, 718 S. 51st St., Baltimore, Md.  
 KMI2262 Todd Smith, 828 Hamilton Blvd., Hagerstown, Md.  
 KMI2317 Mike Pepper, 12905 Broadmore Rd., Silver Spring, Md.  
 KMI2488 Dallas Bradford, Box 74, Pittsville, Md.  
 KMK0568 Ross Pridden, 408 W. 19th St., Lumberton, N.C.  
 KMK0676 Wallace Carroll, 105 E. Allen St., Monroe, N.C.  
 KMK0678 Edith Grantham, P.O. Box 364, Raeford, N.C.  
 KMK1740 Buddy Bagley, 2040 Wagon Rd., Chesapeake, Va.  
 KMK1870 Grover Hall, 608 Ellen Rd., Newport News, Va.  
 KMK2054 Jim Scott, Gladys, Virginia  
 KMK2560 Julian Thomas, 1408 Florence Rd., Charlottesville, Va.  
 KMK4168 Bobby Pickard, 114 Shaw St., Randleman, N.C.  
 KMM0591 Robert Dean, 301 N. Cherokee Ave., Dothan, Ala.  
 KMM1064 Donald Weaver, Route 4, Winchester, Tenn.  
 KMM1135 Lonnie Jenkins, 8 Ranger Dr., Charleston Hts., S.C.  
 KMM1177 Ted Booth, 231 Illinois St., Travis AFB, Calif.  
 KMM1484 Jerry Morgan, 106 Merchant St., McPleasant, Tenn.  
 KMM1812 Jimmy Allen, 909 Prospect Ave., Newport, Tenn.  
 KMM2386 Linda Chaifin, 505 First Ave., Mt. Pleasant, Tenn.  
 KMM3340 Jack Campbell, 1031 East Perry Rd., Greenville, S.C.  
 KMM4231 Dean Wood, Route 1, Bogart, Ga.  
 KMM5807 Willis Knights, 903 Beech St., Newport, Tenn.  
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 KMR1859 John Funk, Route 4, Paragou, Ark.  
 KMR1859 Kenneth Gunter, 2781 N. Thompson Dr., Mobile, Ala.  
 KMR4011 Michel Fourrier, 3650 Hundred Oaks, Baton Rouge, La.  
 KMR4110 Scott McCullough, 821 West Second Ave., Pine Bluff, Ark.  
 KMR4249 Bruce Broyles, P.O. Box 161, Newport, Ark.  
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 KMT1570 Dale Cuthbertson, Route 3, Bryan, Texas  
 KMT1963 Tommy Winder, 307 Hensel, Bryan, Texas  
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 KMX2815 C.A. Emerson, 7448 E. Holly, Scottsdale, Ariz.  
 KMX3234 Ron Murphy, 12993 Herrick St., Sylmar, Calif.  
 KMX3509 Dale Johnston, 13609 Hutchcroft, La Puente, Calif.  
 KMX4348 James Mayfield, Rt. 1, Box 674, Valley Center, Calif.  
 KMX7252 Roy Martin, 3005 Calle Cumbre, San Diego, Calif.  
 KNA1724 Jim Byrne, 140-31st Ave., San Mateo, Calif.  
 KNA2637 Denver Landi, P.O. Box 655, Cupertino, Calif.  
 KNA2893 Edward Fell, 4018 E. 3rd Ave., Napa, Calif.  
 KNA3418 George Bray, 2187 Meadow Glen Ave., Sacramento, Cal.  
 KNA4015 C.W. Graham, 4266 Carter Court, Concord, Calif.  
 KNC0998 Virg Dean, 9316 SE Woodstock, Portland, Oregon  
 KNC1506 Murray Johnson, P.O. Box 222, North Bend, Oregon  
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 KND1195 Del Gaines, 2509 8th Ave. South, Great Falls, Montana  
 KND1451 Don Lyman, 503 Blue, Richland, Wash.  
 KNE1493 Gerald Nielson, 590 N. 3rd West, American Fork, Wash.  
 KNF1721 M.L. Gibson, Route 1 - Box 22-H, Mountain Iron, Minn.  
 KNF2116 Ralph Jacobsen, Route 4 - Box 58, Waupaca, Wisc.



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 KNH3016 Lee Glore, 101 Fannie, Lemay, Mo.  
 KNH3499 Dillard Smith, 1610 Nall St., Sherman, Texas  
 KNH3738 Red Shaw, 9010 Sycamore, Kansas City, Mo.  
 KNH4790 Don Drey, 12186 Parkwood Pl., Bridgeton, Mo.  
 KNH6618 John Breidert, 2208 Empress Dr., St. Louis, Mo.  
 KNH7064 Jim Haberer, 4114 "S" Street, Omaha, Nebr.  
 KNH7167 Keith Miller, 1110 Second St., Perry, Iowa  
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 KNJ0959 Bill Berends, 818 Third St., Kalona, Iowa  
 KNJ1289 Richard Morgan, Box 891, Supply Sq., Duluth, Minn.  
 KNJ2128 Jim Siddons, 604 20th Ave. Ct., E. Moline, Ill.  
 KNJ3086 Janet Stanley, 334 N. Franklin St., Dunkirk, Ind.  
 KNJ3718 Jim Coyle, 4522 11th St. Court, East Moline, Ill.  
 KNJ4342 Kenn Paulini, 2343 Birch St., Des Plaines, Ill.  
 KNJ4360 Andy Croxton, 4241 Main St., Downers Grove, Ill.  
 KNJ4430 David Conder, 1819 South Cherry, Centralia, Ill.  
 KNJ4735 Arthur Martin, 424 E. 4th St., Mishawaka, Ind.  
 KNJ5625 Dave Ludwig, 1325 Lincoln Way, East Mishawaka, Ind.  
 KNJ6487 John Crawford, P.O. Box 1053, Owensboro, Ky.  
 KNJ6622 Robert Hensley, R.R. 1, Tamalco, Ill.  
 KNJ7001 Frank Krozel, 5717 S. Merrimac, Chicago, Ill.  
 KNJ7169 Robert Eurick, R.R. 2 - Box 20-B, Noblesville, Ind.  
 KNJ7476 Chuck Niebauer, 174 East Cleveland Rd., So. Bend, Ind.  
 KNJ7802 Wm. Wallace, 35 Gilbert St., Savanna, Ill.  
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 KNK0240 Don Field, 464 Shabbona Dr., Park Forest, Ill.  
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 KNM2171 Gary Maturen, 1003 Court, Saginaw, Michigan  
 KNM2677 Tom Jones, 2975 Cornell, Dearborn, Mich.  
 KNM2800 Harley King, 1821 Route 2, Chesapeake, Ohio  
 KNM2845 Lois Rizer, Box 19, Mason, W. Va.  
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 KNM8674 Larry Richardson, 536 Miami Ave., Barborton, Ohio  
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 KNM9338 Carroll Full, Route 2 - Box 288-A, Parkersburg, W. Va.  
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 KNM9699 Ted Davis, R.D. 1, Box 38-A, Farmdale, Ohio  
 KNM9810 Louis Disher, 5417 Florida, Toledo, Ohio  
 KNN0879 Gil Allen, 5989 Metro Dr., Inkster, Mich.  
 KNN1158 Elvis Eves, 2020 Lowden Lane, Flint, Mich.  
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 KNF1421 John Ricci, 2835 Fourth Ave., Beaver Falls, Pa.  
 KNF1444 Paul Clark, 863 Monaca Road, Monaca, Pa.  
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 KNF1508 William Seward, Lansing Road, Hagaman, N.Y.  
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 KNF2225 Robert Madison, 1515 Edgar Ave., Chambersburg, Pa.  
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 KNF2464 Otto Elderkin, Deer Creek Rd., Portville, N.Y.  
 KNF2471 Jim Laubs, Route 1, St. Thomas, Pa.  
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 KNU0079 Dale Martin, 516 N. Pine St. Apt. 5, Anchorage, Alaska  
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# 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.

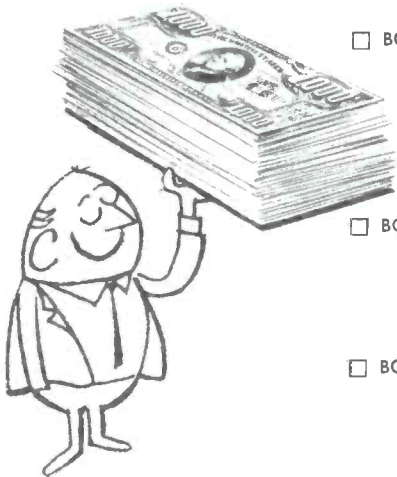
BONUS ITEM #1 — Large 3 inch, 3 color, "Monitor Channel 9" decal. Regularly sells for 50¢.

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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.

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# WASHINGTON OUTLOOK

Still on an apparent "vacation" from the CB crackdown of the past, the FCC has not been too active since we last looked in on them.

• These operators received Show Cause notices:

KKP3813, Modulator CB Installations, Miami Beach, Fla., for failure to identify station at times in manner prescribed by rules, and also Section 1.89 of the rules, failing to reply to official communications.

KMM7489, Julian E. Howell, Atlanta, Ga., for repeated violations of rules pertaining to use of nonpermissible communications, and failure to identify station at times and in manner prescribed by the rules.

KKN2742, Robert O. Walker, Nashville, Tenn., for failing to reply to official communications from FCC.

KKR2910, Harry Miller, d/b/a City Cab, Sulphur, La., for failing to reply to official communications.

KMM3385, Thomas L. Riffle, Rock Hill, S. C., for failing to reply to official communications.

KLA1581, Vada M. Hamann, Fremont, Calif., for failing to reply to official communications.

KEG4475, Lawrence A. Basden, Midwest City, Okla., for failure to reply to official communications.

KKV4492, Charles E. Dean, Dallas, Texas, for failing to reply to official communications.

KLA3492, John P. Wetter, Lodi, Calif., for failure to reply to official communications.

KJ10083, Edwin C. Austin, Erin, N. Y., for failing to reply to official communications.

KMA5471, Elwin R. Grindle, d/b/a Brookside Motel, Ellsworth, Me., for failing to reply to official communications.

KLT0069, Roberto Vargas, Bayamon, P. R., for failing to reply to official communications.

KKP4019, Bobby J. Bell, Tampa, Fla., for failure to reply to official communications.

KMM0820, William M. Motes, East Point, Ga., for operation beyond authorized frequency tolerance, operation of station as an activity in and of itself, communicating with another Class D station for a period exceeding five consecutive minutes, failure to identify station at times and in manner prescribed by rules.

• These licenses were revoked:

KDI0512, Samuel S. Ross and Son Radio & TV Service, Miami Beach, Fla. for failure to reply to official communications.

KKG0054, Herbert Slaiman and Owen D. Sherer, d/b/a ACP Supply Co., Philadelphia, Pa., for failing to reply to official communications.

KFA2238, Betty Johnson, Compton, Calif., for failing to reply to official communications.

KHJ3090, Chester W. Hansen II, South Lyon, Mich., for failing to reply to official communications.

KKE0696, John A. Merritt, d/b/a J-W Car Service, Brooklyn, N. Y., for failing to reply to official communications.

11Q1556, Paul R. Gervasi, Tujunga, Calif., for failing to reply to official communications.

KLA0085, Raymond J. Medeiros, Sunnyvale, Calif., for failing to reply to official communications.

KKB3749, Robert J. Stockham, Pembroke, N. H., for failing to reply to official communications.

KDD0555, Thomas H. Evans, Hiram, Ga., for failing to reply to official communications.

• These operators had \$100 fines reduced to \$25:

KLK7610, Floyd O. Whitcomb, Davenport, Iowa.

KHC2486, George C. Coyle, Louisville, Ky.  
KMM9772, Franklin E. Davenport, Greenbrier, Tenn.

KLI0304, Robert G. Secrest, Birch Tree, Mo.  
KHJ4679, Wayne Phillips, Dayton, Ohio.

KMP1695, Appliance Headquarters, North Miami, Fla.

KLP8372, Owen K. Wardner, Victor, N. Y.  
KHJ6516, James E. Jollie, Dayton, Ohio.

• Charges against the following CB'ers were dismissed:

KAI3704, Emery J. Stanchin, Pleasure Ridge Park, Ky., license was cancelled by licensee.

KLN0924, Willie Williams, Detroit, Mich., licensee has settled his liability for a monetary forfeiture and has taken corrective measures to preclude a recurrence of the violations with which he was charged.

KKA3472, Marshall Silberberg, Dorchester, Mass., license was cancelled by licensee.

Richard B. Greenside of Mattapan (Boston Area) was tried and found guilty of transmitting obscene, profane and indecent language over a Class D Citizens Radio Station in violation of the U.S. Criminal Code Section 1464 in the Federal District Court in Boston, Mass. on Oct. 26, 1965. He was released on \$1000 bail pending sentences by U.S. District Court Judge, Andrew Caffrey, Nov. 15, 1965. After Greenside's arrest on November 17, 1964, on the above charges, he was again arrested on July 19, 1965 for wilfully operating an unlicensed radio station in violation of the Communications Act of 1934 as amended. Action on this charge is still pending against him. It was announced by the U.S. Attorney's Office and the Boston Office of the FCC Field Engineering Bureau that this is the first trial and conviction in the New England Area for transmitting obscene, profane and indecent language by means of radio transmission and it is the first step in a program to combat improper language on Class D radio stations in the area. This trial and conviction, as well as other pending actions, resulted from intensive investigation and monitoring efforts on the part of the Field Engineering office Boston, Mass.



### KBG4303 RIDES AGAIN

*Continued from page 7*

The stations are allowed 5 watts from Channel 11A (27.095 mc/s) through Channel 22, and half-a-watt from Channels 1 to 3 and 9 to 11 (Channels 4 through 8 aren't yet available). Channel 11A is the marine emergency channel and Channel 16 is the ship-to-ship and ship-to-shore channel.

Stations may contact only other units of the same license, except in the instance of emergencies and to ask about navigation, etc. A licensee is assigned only one channel and isn't permitted to use other channels, except in an emergency.

Callsigns have the prefix "PR" (it means "private radio") and are followed by the license number followed by a letter. The last letter "A" is for a base station, with "B," "C," "D," etc. for the mobile units. Klas has the CB calls PR-21A and PR-950A.

Commercial electronics companies, which demonstrate CB gear, receive different callsigns with a prefix consisting of the letters "SH." This prefix is followed by a number or numbers, and the letters "FE." Klas' call in this service is SH2FE and he is on Channel 22.

A "special" CB band runs from 29.7 mc/s to 30.0 mc/s, consisting of 15 channels which are used mostly by local governmental agencies, with 6 channels set aside for privately owned com-

panies. The rigs are 5 watts.

Klas is also on the ham bands with the callsign SM5KG.



(Advertisement)

## CB IN ACTION

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



Chuck Sommers, President of "The Beam" (our Miami Pearce-Simpson distributor) told us his exciting "CB in Action" story which took place last week. Although he is not eligible to win a COMPANION II—we thought you might be interested in his use of CB which pushed it to the limits of its capabilities.

The Dade County REACT team normally patrols the extreme Southwest of Miami (to the county line) on weekend evenings for highway emergencies or accidents. At about 9:30 P.M. REACT Headquarters picked up information that the wife of a man who had gone fishing in the Everglades had been struck by a severe heart attack. The doctor was afraid she might not live and the police had been notified to try to locate her husband. Six cars were on patrol that evening. Car Number One was at the county line at the edge of the Everglades (47 miles from base station). He was contacted direct (a Pearce-Simpson GUARDIAN 23 was mobile and an ESCORT II base) at the time of the emergency. He preceded in and located the man's camp about 7 or 8 miles inside the glades. He had proceeded on foot from that point and it could not be determined which direction he had followed. Communications became sporadic at that point because of 60-70 foot pine trees and Chuck took position as a mobile relay station 37 miles from base (using another DIRECTOR). The relay operation continued (with the car engine turned off) for three hours.

The Everglades were dry at this time and radio equipped airboats which had agreed to continue the search could not penetrate. Unfortunately, there were no air buggies present.

The Florida Game Commission could not be raised—and at 12:30 A.M. the Game Warden was finally contacted and informed of the situation. The search had to be abandoned.

Fortunately the man's wife survived and everything turned out all right. The emergency once again demonstrated the high reliability and beneficial aspects of CB under the most adverse conditions.

### WIN A COMPANION II CB

Your story of "CB in Action" can win a COMPANION II CB. Write and tell us how CB helped perform a service or helped you or your community in an emergency. Send your story to Les Hench, National Sales Manager, PEARCE-SIMPSON, INC., P.O. Box 800, Biscayne Annex, Miami, Florida 33152.

*well named*

the **MARK**  
**LONG** base station  
CB antenna  
**RANGER**

Provides marked (pun intended)  
improvement in effective range  
compared to standard ground  
plane vertical antenna.

*well engineered*

Requires no radials (they're  
for the birds). Unique  
electrical design gives wider  
frequency range. Conservative  
design . . . could take a full  
kilowatt of power. Greater  
structural integrity than  
single-element antennas.  
Stainless steel hardware . . .  
light weight but extremely  
rugged. Much easier to  
mount—standard mounting  
can be tailored to meet  
extremes of wind and icing.

*well then*

**GO PRO GO MARK**

*high in reliability—  
low in price —only \$29.95*

**MARK PRODUCTS**

DIVISION OF DYNASCAN CORPORATION

5439 W. Fargo Ave. Skokie, Ill. 60076 (312) 675-1500

## 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.

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

**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.

**YOUR CLUB EMBLEM** reproduced by beautiful Swiss embroidery as a jacket or shirt cloth patch. Send sketch, colors, size, and quantity for price quotation to **D & H Sales Company**, Box 1381, Decatur, Alabama 35602.

**CLOSE-OUT:** Full size four element Citizens Band beams, new, 1" and 7/8" aluminum, all hardware, \$15, express collect. **Gotham**, 1805 Purdy, Miami Beach, Florida.

**Quality QSL's**—New designs monthly, Samples 10¢, 25¢, 50¢. **Savory**, 172 Roosevelt, Wyemouth, Mass.

**ATTENTION CB'ers**, why pay retail for your CB sets, save up to 40% on CB transceivers, write to **DISCOUNT CB**, P.O. Box 403, East Liverpool, Ohio.

Our purchasing agent goofed—overstocked—new **Webster 565-5** channel-all transistor—Reg. 179.95, now \$149.50—shipping while stock lasts—orders prepaid if accompanied by money order—No C.O.D. **Russ Hellen's CB Center**—P.O. Box 9134, 1481 Florida St., Memphis, Tenn. 38109.

**WANTED:** Ham recvr., useable cond. prefer **Hammarlund HQ**—D. Bellask, 1159 E. 42nd St., Brooklyn, New York.

**FREE FILTERS:** Names and addresses of TV manufacturers currently furnishing free high-pass filters for TVI. Complete with application forms, 25¢. Club package (25 lists and forms), \$2.00. **TVI**, 19 Hillview Ave., Port Washington, N. Y.

.002% crystals for any Johnson or Hallicrafters 5 watt unit only \$2.25 each or \$1.95 each in lots of 10 or more. Immediate shipment. Crystals for all other units same price. Ten day service. Echo Communications, Inc., Cedarburg, Wisconsin 53012.

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

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

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

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

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

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

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

WANTED: Individuals to sell CB equipment on dealership basis. Write today. ELECTRONIC SALES, EXECUTIVE HOUSE #15, LEWISBURG, TENNESSEE.

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

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

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

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

\$9 = more news, more authors, more value!

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

HARAL ASSOCIATES,  
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## 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.

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

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Advertising Art  
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ROCKFORD, ILLINOIS

**SEND NOW FOR FREE SAMPLES**



## advertisers index

American Knitwear .....	11
Antenna Specialists Co. ....	Cover 2
Apollo Co. ....	65
Astro Antenna Corp. ....	15
Browning Laboratories, Inc. ....	3
CB Center of America .....	48
Channel 9 Decal .....	50
e.c.i. electronics communications, inc. ....	34, 35
Eico Electronic Instrument Corp. ....	5
General Radiotelephone Corp. ....	Cover 4
Hallicrafters Co. ....	6
Heath Company .....	53
Hy-Gain Antenna Products .....	Cover 3
International Crystal Mfg. Co. ....	1, 39
Johnson, E. F. Co. ....	8
Knights, C. T. S., Inc. ....	67
Knox Electronics .....	65
Lafayette Radio .....	46
Master Mobile Mounts .....	40
Mark Products Co. ....	64
Mathews QSL's .....	65
Mosley Electronics .....	44, 45
Multi-Elmac Co. ....	38
New-Tronics Corp. ....	54
103 Transistors .....	11
Pearce-Simpson, Inc. ....	41, 66
Petersen Radio Co., Inc. ....	13
Project Aid .....	67
Ray-Tel Products .....	27
Sonar Radio Corp. ....	15
Squires-Sanders, Inc. ....	42
S9 Subscriptions .....	43
Thordarsen-Meissner .....	60
Texas Crystals .....	50
Technics, Inc. ....	60
Tram Electronics .....	20
United Scientific Labs .....	19
Vibratrol .....	59
Who's Who .....	25
World Radio Labs .....	61

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

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

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

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

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

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

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

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

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

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

New transistor CB with meter & mount \$110. Hoover, Box 631, San Bernardino, California.

Courier and Lafayette CB Transceivers and accessories, like new, 50% discount. Tate, 1529 Ridgeway Dr., Glendale 2, Calif.

CB transmitters \$6.00. Other bargains, catalog 10¢. Vanguard, 196-23 Jamaica Ave., Hollis, N. Y. 11423.

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TOM KNEITEL FANS, arise! See the March issue of Electronics Illustrated, on sale now.



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

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

**FOR SALE: M-160, Monitorradio, mobile. 152-174 mc., 12 V DC. Police, Hwy Patrol, fire industrial, taxis, road maint., paging, private mobile telephone. Excellent—Los Angeles area. Price \$85.00. Curt Hunt—800 E. Walnut Ave.—Fullerton, Calif. 92631.**

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

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



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

**COMPLETE  
NO EXTRAS  
TO BUY!**



PRICE INCLUDES:  
Both AC/DC Supply &  
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**\$79<sup>95</sup>**

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

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**\$9<sup>95</sup>** WIRED  
ea. in pairs

- Ready to operate.
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- Operates on single battery.
- Handsome - Compact Weighs 10 oz.

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- Push-to-talk switch.
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- Professional Model.
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- FCC License required.
- 13 Transistors.

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Improves any CB receiver . . .

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

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with

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With a Hy-Gain CLR2, your 5-watt  
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