

HOW TO HANDLE CB EMERGENCIES—P. 9

S9

JULY 1965

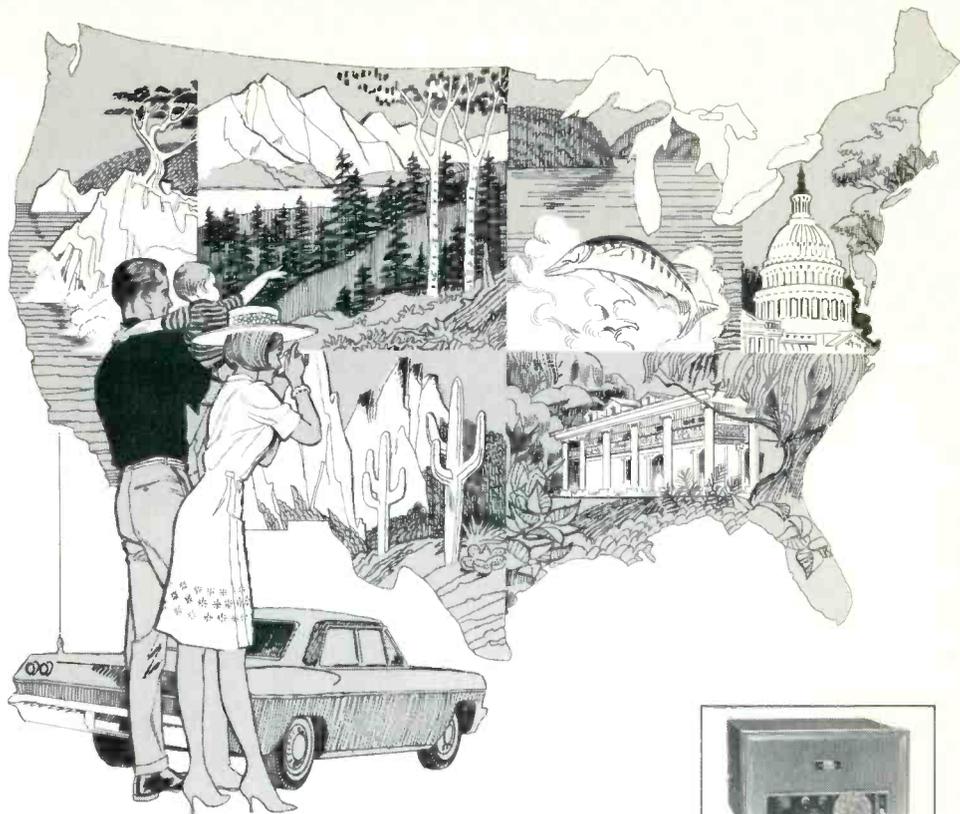
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the citizens band journal

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the citizens band journal

Vol. 5, No. 7

S. R. COWAN, KB17182, PUBLISHER

July, 1965

Our Cover: S9's own Suzie looks over the band from the helm of our part-time office during the sweltering weather, a 1965 38-foot Pacemaker which is kept in Port Washington.

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

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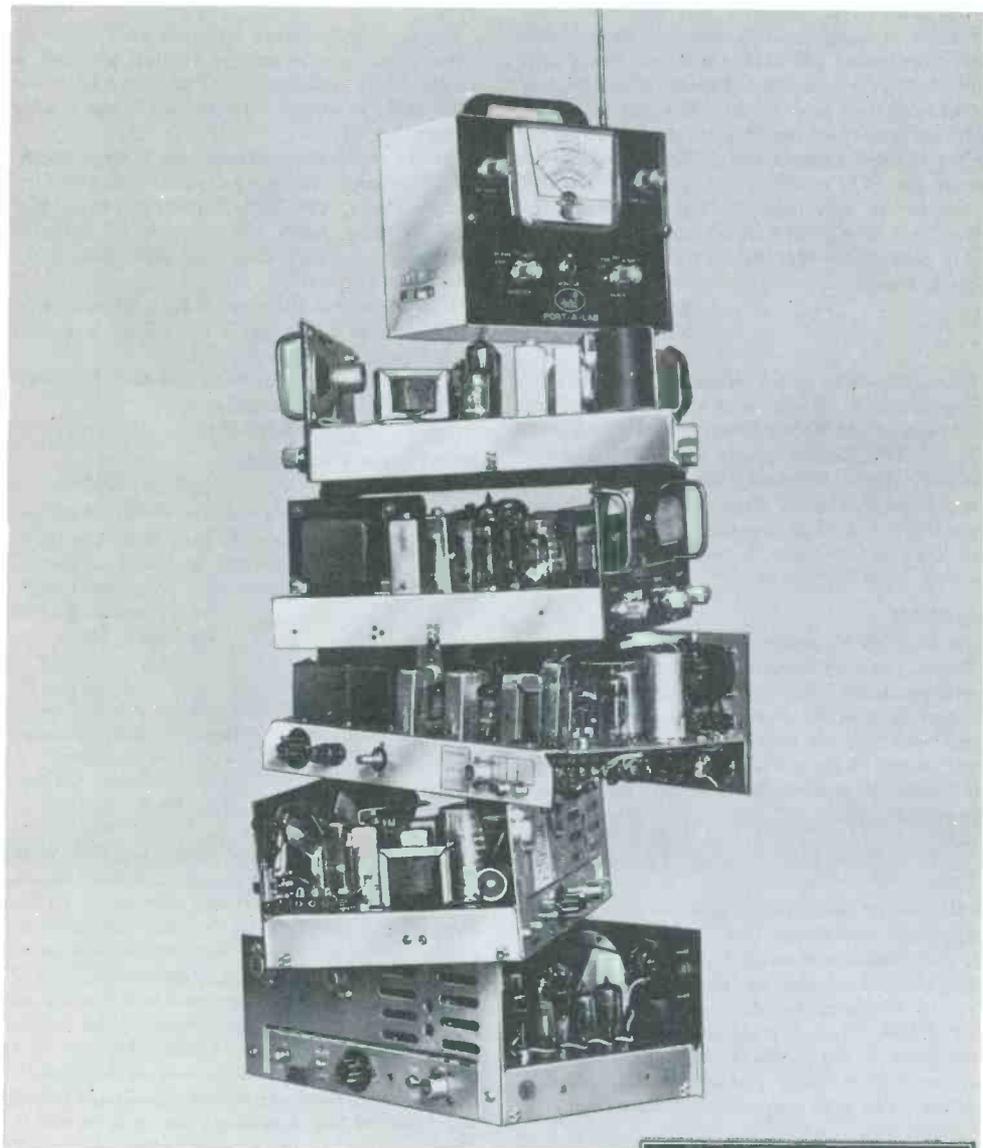
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THIS MONTH'S BRAINWASHING: *Subscribe!*

July 1965 • 3

READER MAIL

DOUBLE TALK?

Dear Tom,

Thanks for letting us know FIRST about the new FCC regulations (in your April issue). The March issue of the so-called "CB Magazine" contained the same information, but since their March issue didn't come out until about two weeks later than your April issue, the old axiom still holds true—"When there's news in the CB world, S9 has it first." But how come you dropped the ball on asking CB'ers to help support the Lafayette petition to change the FCC rules? Much space was devoted to this in the May issue of "CB Magazine" (received here May 20th)? Didn't see information on this in your April, May, or even June issues. Wha happen, Baby?

Karl Lyon, 2Q0928
Montclair, N. J.

Guess the folks at CB Magazine were so busy trying to think up new and original ideas (like their copy of our Kyle's Korner, or their proposed copy of S9's Cardswapper's Unlimited column) that they just didn't hear that Lafayette's appeal was denied in Federal Court on April 26th, and there was no point in requesting CB'ers to devote their time and energies to supporting the appeal. Oh well, nobody is perfect!

ACHTUNG!

Mein Dear S9 Magazine,

Thank you very much vor senden die "Achtung" Certificate to me. Now I can sleppen much more at my ease for now the dummkopfen will read "Achtung" and will not touchen mine knobs. Alzo, I want to say danke schon for putten my name on the certificate so alles das visitoren vill know who das operator ist.

F. J. Monssen
Riverdale, N. Y.

All readers are reminded that the zany two-color "Achtung" certificates (see March S9, page 33) are still available at no cost. Just send a stamped, self addressed envelope to "Achtung!" % S9 Magazine, 14 Vanderverter Avenue, Port Washington, N. Y. 11050. If you are a subscriber we will inscribe your name on the certificate in jazzy Gothic (German style lettering) if you send along one of the mailing strips with your name from a recent issue.

FROM OVERSEAS

Hi Tom,

During the past week I have received some CB QSL cards from your readers so I thought I'd drop you a line. I receive occasional copies of S9, which I certainly enjoy reading. Please tell your readers that we are swamped with requests for QSL cards

but if any CB'er sends along his card and encloses an International Postal Reply Coupon (available at most Post Offices), we will shoot out a reply the very same day.

Rex Stanley Dean, BRS-25120
251 High Street
Berkhamsted
Hertfordshire, England

Tom:

I've been in Germany for seven months now, another twenty-one to go. I'm serving with our Canadian Field Ambulance, and work in a laboratory. Although I'm stuck here with no CB rig, it wasn't always that way.

As far as monitor channels go, a great many of the Canadian clubs have a monitor channel of their own, but things like REACT just don't exist. Why? Another thing, many advertisers in S9 have DOT approval, why don't they ever state this in their ads? How about it?

I do think that there could be a lot more zip in the Canadian CB scene if the CB'ers and manufacturers tried a little harder.

T. M. Dorward, XM-49-947 (in exile)
Fort Chambly
West Germany

MONITORING CHANNEL

Dear S9,

I have two hospitals near me which cause severe interference on Channel 9. They make the channel almost useless. They seem to laugh at the FCC when they are told about this. What can I do?

Nate Borgens, KLP7367
Rochester, N. Y.

Dear Editor,

I don't know about your area, but hereabouts we have one heckuva time trying to keep Channel 9 clear. How can we deal with this situation?

Thomas R. Andrews, KNM1002
Coldwater, Mich.

First, let's take care of Nate's question. If they are doing something actually wrong at the hospital, and it's causing interference, then go to the Commission with the problem. Try the nearest FCC field office, and if they offer no satisfaction, then squawk to the FCC in Washington. Now to you, Tom. We can't really expect that everyone in CB really gives a hoot as to the actual usefulness of the service—it's the minority lunatic fringe which forces the FCC to step up their enforcement on the band from time to time. Everyone has an equal right to either use Channel 9 as a calling channel or to use it as "just another" communications channel, its strictly a matter of their willingness to cooperate or to step on others. It has been our experience that those persons who are inconsiderate of others on Channel 9 are the same people who don't seem to be able to acquire very many friends socially. Wonder why.

S9

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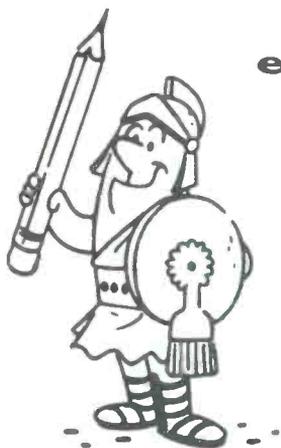
**NEWS OF THE WORLD'S MOST
ADVANCED CB MOBILE RIG**

"We start shipping in August." That's what Gar Greene, Jr., Vice President of Browning Labs says about the Browning Raven . . . a bold new concept in CB mobile rigs. It's the year's most exciting advance in CB equipment, so check this magazine next month for more details. Or better yet, call your local CB dealer and make a date to see the Raven . . . it's bound to be better, it's by Browning!



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editorial

KBG4303 rides again!

by TOM KNEITEL
EDITOR, S9

STAND RELIEVED, GANG

Here's a message for all of you people who told me that you think that the FCC's new CB rules are *a bit* on the arbitrary side.

Recently the FCC was dragged into Federal Court by an irate CB licensee who thought the same as you do. The learned Federal judges listened and then said that they *refused* to be persuaded "as to the genuineness of fears that a great agency of government like the Commission will behave in any such literalistic and arbitrary fashion as petitioners suggest."¹ As a matter of fact, the judges used the *very same words* in an earlier case in a complaint against another government agency.²

So stand relieved, gang, your friendly Federal Court has "refused" to think that a federal agency could be arbitrary. That's reassuring, isn't it? Wonder if almost one million CB'ers feel that a Federal Court could ever be arbitrary?

"WHO'S A FINK?" REVISITED

Many months ago we ran an editorial about an anti-FCC CB club group which was doing all sorts of weird antics in an effort to attract members into the fold. Although we never mentioned the name of this organization in that particular editorial, as soon as the issue went on sale we received a barrage of mad letters and telegrams from the officers of the American Citizens Band Association which demanded to know why we had attacked them.

At that time, I had commented in S9 that it seemed strange that the ACBA had so quickly identified itself from the very sketchy description I had given in S9. I had never said that the club to which I was referring was the ACBA, they said it themselves.

Now look what happens. In the "Reader Mail" section of the April issue we mentioned (in reply to a letter) about "CB'ers who have been fleeced

1. Lafayette Radio Electronics Corp., v. USA & FCC, 449 F. 2d (2 Cir. 1965).

2. Heavenly Creations, Inc. v. FTC, 339 F. 2d 7, 9 (2 Cir. 1964).

by one or more of the crackpot 'national' organizations who took or are taking up collections to finance 'CB Marches on Washington' and other 'hate the FCC' antics."

It didn't take long for me to start receiving angry telephone calls (with threats of ensuing legal actions against me) from what is apparently yet another "national" CB group, this time located in a mid-western state. Yup, they felt that our description in the April issue fit them and they wanted us to print a retraction. Frankly, I had never before heard anything bad about this particular group, but now it's got me wondering.

I'll keep you posted, we may have another "CB Frankenstein" on our hands.

PRIVATE CB DETECTIVES (AGAIN?)

One of our readers in California sent along a bulletin describing an organization known as "S.E.R.N." which says that at the present time they are "working with the A.C.B.A. to organize what will be known as the CB police. This organization will 'police' the 11 meter band and issue warning citations to the stations in violation of FCC regulations."

Last year when S9 got wind of this project in its early stages there were great wails of denial from the hallowed halls of the ACBA headquarters, however, just as in the past, it seems that they yell the loudest when someone steps on a corn.

Let's look at this self policing business, inasmuch as it has tried and failed so often previously. "Fink Clubs," were, at one time, quite active on 11 meters; they generated more friction and improper operation in one week than so-called "rule infractions" cited in a month. Here's why:

1. Section 605 of The Communications Act of 1934, as amended, prohibits a CB'er from referring to the contents of transmission of another CB'er, or even referring to the fact that any transmissions even existed in the first place without

Continued on page 41

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HOW TO HANDLE

CB

EMERGENCIES



by ROBERT D. COOPER, 18A7297

Being a CB'er, the odds are great that you have at one time or another (or you will in the near future) take part in carrying out a 10-33 (emergency transmission). The way that you handled or will handle this call may save someones life or save his property. Our Citizens Radio Service gives a big increase in emergency communication. The contents of these pages are designed to present the best in emergency radio techniques.

An emergency may come in many different forms; a fire, accident, flood, snowstorm, etc., the step that you will have to take may be different but the general rules are the same. You may not make the call or you may not receive it but you may still help by staying off the air. Your CB club is best suited to handle emergency on a large scale but each individual has to be prepared at all times for an emergency.

ADVANCE PLANNING IS NECESSARY

Individual preparedness and the organization of CB'ers are the most essential elements of a successfully-functioning Citizens Band Emergency Service. Each CB'er should join in his community organization and support the local emergency plan or the whole group may come short of its goal. In the past it has been proven that the best emergency technique calls for the full support of all the CB'ers in the local area.

There are two main types of emergency CB radio coverage:

(a) The simplest form of emergency (such as an accident) has one objective: to make contact with an outside point, to report difficulties, summon aid, or to communicate when other means have failed or are unavailable.

(b) When a populated center has its communications cut, it will need emergency communication for the workers within that area.

Your local club has to make plans to cover both of these. A club should contact its local agencies (Police, Red Cross, Fire Department, Civil Defense, etc.) to work out a good plan with these agencies. Register your club qualifica-

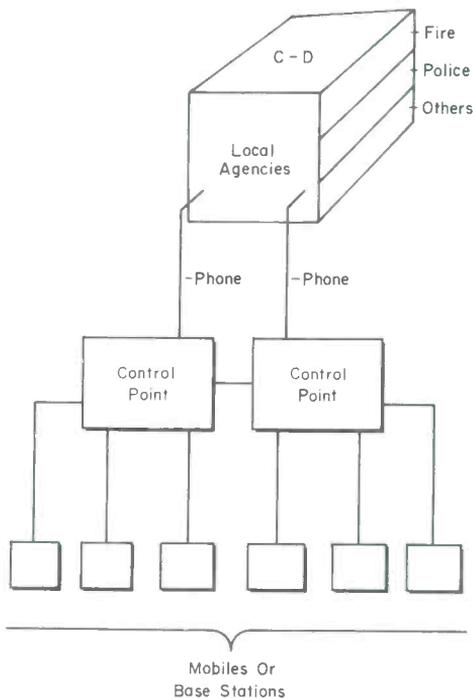


Diagram #1. Your control points should transmit to each other, on one channel, and to the working units on another channel.

tions and equipment with these agencies so they will know what to expect from you when a disaster does strike.

Once your club starts planning for emergency radio coverages it should appoint an Emergency Coordinator-Director (ECD) to handle the many jobs that will fall upon his shoulders. It is no easy matter to sell many of the local agencies on the idea of CB as an emergency communication unit. You will find that you will have to plan with many of these agencies that will cooperate but

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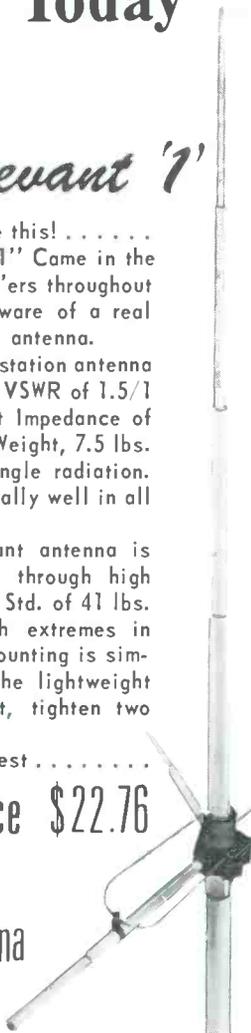
For mobile to base operation the ultimate in a communication antenna is the Devant 2. This slim lined Devant 1 companion is designed for rooftop or trunk installation, has an SWR less than 1.5/1 on all 23 channels, requires no tuning.

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



still you will have to stay flexible to extend so that your club can cover two or more if need be.

"WITHIN YOUR AREA" EMERGENCY NET

With Citizens Band your most important task is to provide emergency communication within your own area. These should be set up with two or more strong base stations as control points. These points should be able to make TX contacts with all local agencies and to cover their area with a strong signal in all directions (see Diagram #1). These base stations should have on hand at all times the phone numbers of all mobile units under its control and all agencies in the community. The size of your community will decide the number of mobile units needed for coverage. The operators of both base and mobile units should know all FCC rules covering emergency operation. This net should have a workable plan for alerts and drills. Your ECD should hold weekly or monthly meetings to discuss and explain the functions of the net.

Your local net should have one channel set aside for emergency use only. Once this channel is decided upon then all efforts should be made to have every CB'er in your area stay off it. At times you will find this the hardest part of your job because some joker will want to use that channel to work skip, or ham it up. Since this is your emergency channel someone at the control base should monitor it as often as possible. In Case of any emergency contacts on any of the other channels, this contact should be carried to the emergency channel as soon as possible, and from there your emergency net should be put into operation.

BEFORE EMERGENCY

1. Prepare yourself by having your transceiver at its best operation level. Have an emergency power source which you can depend upon.
2. Help your club to set up and test a smooth operating emergency net.
3. Register your facilities with your local club and see that they register them with the agencies in your area.
4. Be sure that you know what to do and how to do it.

IN EMERGENCY

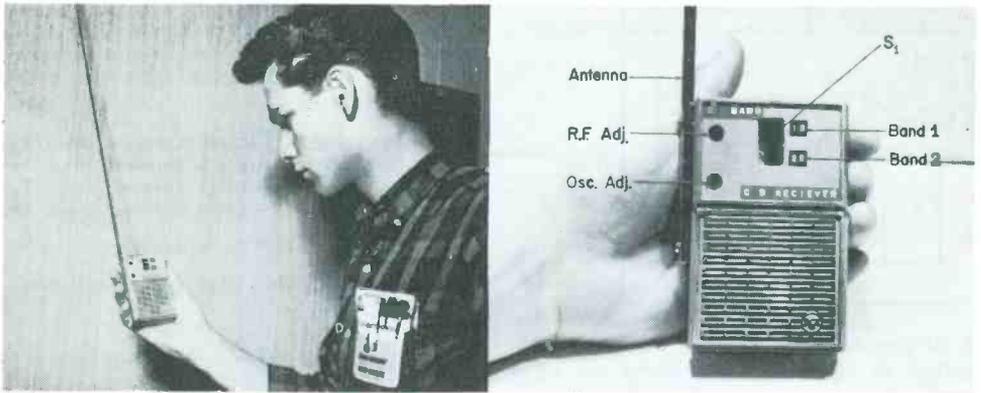
1. Be sure that the channel is clear and report to your control point. Never transmit when the channel is busy *unless* your message is important.
2. Work as your ECD suggests, offer all you have to give.
3. If you cannot help **STAY OFF THE AIR!**
4. If you are a control point take charge, remember your emergency plan and carry it out.
5. Remember that your control points are in charge, stay off the air as much as possible.
6. Cooperate with the control points, your local agencies, and your ECD.



BUILD THE *C-Bander*

A TWO BAND CB RECEIVER

by HOMER L. DAVIDSON



You can have your very own CB receiver for only a few dollars. Just add a couple of stages to your present pocket transistor radio or purchase a low priced one and convert it. This little CB receiver uses the Superhet circuit, that has a lot of sensitivity and volume. The CB receiver is crystal-controlled and has both speaker and earphone reception. For greater gain choose a small transistor radio that has three I.F. stages.

The circuit of the CB receiver is very simple and incorporates two separate receiving bands of your own choice. Flip the slide switch and you are listening to another CB band of your own choice. If you desire only one band, leave out the switch and extra crystal. Of course this will also cut down the construction cost. On tests made in the city good reception was had at a quarter of a mile away. Out in the open spaces reception was good at 1½ miles. These tests were conducted with a 100 M.W. walkie talkie transmitter. When a 5 watt transmitting rig is used, the distance in miles should at least be tripled.

PART REMOVAL

Take the back off your small transistor radio and remove the small screws that hold the printed board in place. Unsolder the speaker and earphone connections. Now take a real close look at the parts on the printed board. You are going to remove the RF and oscillator stages of the transistor radio. If a schematic diagram is handy check off these parts on it.

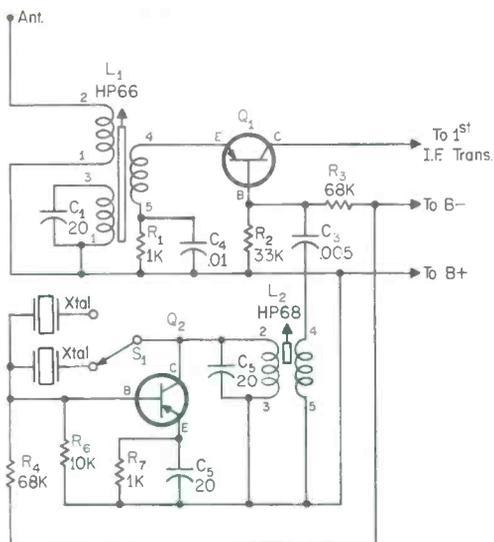
Remove the ferrite antenna coil from the printed board. Unscrew the small bolts holding the small variable condenser and unsolder the existing connections. Unsolder the first converter transistor and all condensers and fixed resistors used in the oscillator and R.F. section. Remove the oscillator coil and overload diode, if one is incorporated in this circuit. With the variable condenser and antenna coil removed there is enough room to mount the small CB parts.

Now check the diagram and see if you have removed all necessary parts. Remove the etched wiring where the new parts are to be mounted. Be very careful at this point. You can use a solid razor blade, or an easier way is to heat these etched circuits with a large soldering iron. The etched wiring will pop off the insulated board. Scrape off and wipe this section with cleaning fluid.

CONSTRUCTION

The R.F. coil is laid out on the printed board. Drill all five holes with a small 1/16 bit. Try and see if the small coil wires will push through the printed board. Do not solder or mount in place, as yet. All holes should be drilled before any mount-of parts are made. Leave room to mount Q1 and the small condensers and resistors that go in the R.F. circuit. Drill small holes that are needed for these parts. In many cases the existing holes can be used to mount these parts into.

Drill five small holes for the oscillator coil,



L2. Be sure to place all small parts as closely together, as possible. It is best to use small ceramic disc condensers and 1/10 watt fixed resistors, due to their small size. SW 1 and the crystals will mount in place of the variable condenser.

Start at the antenna connection, coil L1, and mount into position. Use small hookup wire and a small pencil type iron to solder all connections. The small ceramic condenser leads are cut as short as possible. Stand the resistors upright and mount them as they are wired in the circuit.

If space doesn't permit, SW 1 may have to be modified by grinding off the mounting ends. In the receiver shown, the switch case was soldered to the former variable condenser bracket. The two crystals are soldered directly on the switch to hold them in position. Use the smaller type crystals, if possible.

TESTING

After the wiring is finished, check the circuit over completely. Insert the battery in place and turn the switch and volume clear on. There will be a loud hiss or noise as the volume control is turned up. Extend the small pull-out antenna and when auto goes by the motor noise will be heard in the speaker.

The small CB receiver can be aligned with a transceiver or signal generator. Take the transceiver and have some one talk into it. Tune up the oscillator slug in coil L2. When the transmitter is close to the CB receiver, the signal will roll in. Take the transceiver outside and check out the CB receiver with a weaker signal. Adjust L1 and L2 for the loudest signal. Now take the transceiver a couple

PARTS LIST

L1—Hp66 Antenna Coil Lafayette Radio

L2—Hp68 Oscillator Coil

Antenna Rod—F703 Telescoping type

Xt 1-2 needed—the bands or channels you desire to listen to #HE-758C small size

Resistors:

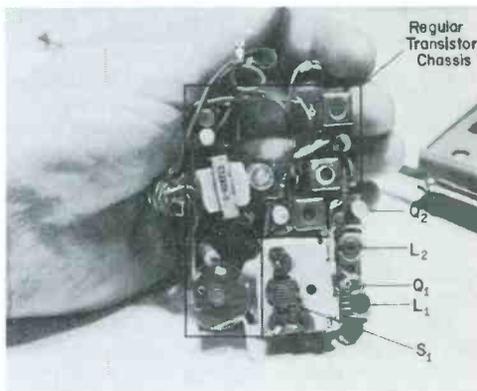
R1 — 500 Ohm	— R5 250 1/10 watt resistor
R2 — 3-3 Ohm	— R5 250 1/10 watt resistor
R3-R4 — 68K	— R5 250 1/10 watt resistor
R5 — 10K	— R5 250 1/10 watt resistor
R6 — 1K	— R5 250 1/10 watt resistor

Condensers:

C1 — 15 MMF	— C601 Ceramic Discs Type
C2 — 20 MMF	— C601 Ceramic Discs Type
C3-C4 — .01 MF	— C601 Ceramic Discs Type
C5 — .005	— C601 Ceramic Discs Type

SW 1—5W 109 5PDT Slide Switch

Q1—Q2—5P271 30MC High gain transistors



blocks away and readjust these two coils. You will note that the adjustment is quite broad in tuning. The IF transformers may not need adjustment, unless the original transistor receiver is quite old. In most cases the first IF transformer may be touched up. The sensitivity of the receiver may be increased by decreasing the resistance of R1.

The small antenna is drilled and bolted directly to the plastic case. Also drill a hole for each coil so the slugs can be adjusted from the front panel. Cut or drill the front panel for movement of SW 1. Label the CB receiver with decal letters or a dynamo-label maker.

This little CB receiver has several uses: You can listen in on two separate channels. If you own a transceiver with transceiver pals in your neighborhood you can use this CB receiver on three way conversation.



IF THE RCA MARK VIII C-B TRANSCEIVER IS SO GREAT AT \$114⁹⁵* ...



channels; dial marked in both channel numbers and frequency

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

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

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

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



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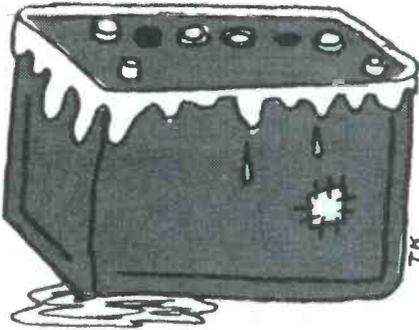
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WHAT YOU SHOULD KNOW ABOUT YOUR CAR BATTERY

IS YOUR BATTERY BATTERED, BUNKY?

by DICK TURPIN, KCF2700



Sure, it's nice and warm while you're reading this, but do you recall what happened last winter when the ol' mobile unit just made asthmatic grunts when you tried to crank the engine? Even in the warm weather, perhaps you've had problems getting the buggy onto the road. Maybe you've had complaints that your mobile CB signal isn't *quite* what it used to be, or your receiver doesn't drag in those weak ones like it used to do. Ever stop to think that you may have neglected the central nervous system of your mobile unit—it's heart—the battery?

In the winter your battery is most subject to fits of misery. In freezing weather (32 degrees), a *fully charged* battery delivers only about 65% of the cranking power it would give at 80%. Couple this with the fact that a cold car engine requires more cranking power than a warm one, and you've got a B-I-G problem because your engine needs about 150% more starting power than normal.

UNDERSTANDING BATTERIES

Your car battery is a kind of savings bank—one which *does not* deliver interest. It doesn't manufacture electricity—it merely stores the electricity which is placed there by the voltage regulator, which in turn, is supplied upon command by the generator. From time to time, the *bank* is called upon to dispense funds—"Shoot a few *dollars* to the headlights," "Some more money to the CB rig," "How about some loot for the starter, the fan, the horn," and so on. Well, just like in your

friendly First National, if you take out more funds than you deposit, you're overdrawn—chug!

The electricity is stored in the battery in chemical form and this charge is constantly being depleted even though no useful electricity is being delivered. Take the top of your battery, for instance. If it is wet, acid-soaked, and dirty, the battery will be constantly draining from the ungrounded post to the nearest ground point (such as the battery holder frame), and what's worse, a 12 volt battery (the type used in most cars today) will lose four times as much charge by this method as the older six volt types.

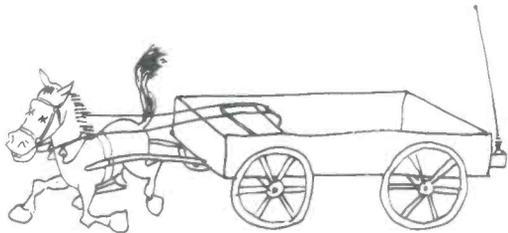
ELECTROLYTE LEVEL

The liquid chemical in your battery is called the electrolyte; you can see it when you flip off the little caps atop each of the cells. There is a specific level at which this electrolyte should be in your battery—if the electrolyte level is too low, the battery will not hold a full charge. If it is too high, it will spill the acid through the cell caps when it is charging (the electrolyte expands under charging).

Normally, your battery will show only a slight amount of electrolyte level drop over a period of a few weeks (if it shows anything in excess of this, it may mean that something has gone haywire in your mobile's electrical system). Add some water to the cell, or cells, which looks low—although many people tell you to use distilled water, I have used regular sink water for years without any noticeable adverse effects to the battery.

During the winter months, adding water to the battery can be a pain, unless you intend driving around for a few miles afterwards. Unless the water gets a chance to mix with the electrolyte (it driving), it will float atop the chemical and freeze solid if the temperature is below freezing.

By the way, when checking the electrolyte level, don't attempt to peer into your dark battery with a lighted match. Gasses are generated within your battery (a combination of



Battery? What Battery?

hydrogen and oxygen) which can be highly flammable. Don't forget that when you use a jumper cable sparks are sometimes present and can ignite these gasses. If you see sparks when using a booster cable, flip off the contacts quickly.

DYING BATTERIES

It is very seldom that your battery will ever die without giving you some advance notice. One trouble sign is if the car takes several tries at starting when it is in good mechanical condition. Any local service station can give you a status report on your battery in a few minutes. If a battery check with a proper meter discloses a discharged condition, don't simply order a recharge and let it go at that. Chances are it will continue to function improperly and you will eventually wind up with a completely caput battery. Possible trouble points include a short circuit in the wiring, a faulty generator, a faulty voltage regulator, or even something as non-electrical as a worn fan belt.

A properly operating electrical system should keep the battery at full charge (or close to it) at all times. Remember, though, that different types will place different demands on your battery. For instance, if you drive only in city traffic at night with your lights, CB rig, and other accessories in use, the power you will be draining from your battery will be more than you are replacing. When the battery discharges because of this, you will need a charge.

IN CONCLUSION

There are no bargains in batteries. Very cheap or reconditioned batteries just don't make the grade, especially when you are expecting reliable car operation and CB communications. Stick to high-quality national-brand batteries because they will last longer, hold a charge better, deliver more power and will even cost less (on a per mile basis) than cut-rate batteries. Some of the better nationally-sold batteries include Exide, Atlas, Allstate, Firestone, Delco, Lucas, Autolite, Wilford and Goodyear.



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MY FRIEND LOUIE

by LYNN M. MILLER, KLE2442

My friend Louie is a nut . . . in fact, Louie is several kinds of nut. To begin with, he's a radio nut, and one that isn't content with just one rig . . . not Louie. Louie has a radio shack that makes the control room at Cape Kennedy look inadequate.

He's got a twenty three channel CB rig, a ham receiver and transmitter that will work every band from 2 meters through 180 meters straight AM or single sideband at a thousand solid watts when he opens her up full throttle, linear amplifiers, a small digital computer to figure world time zones, an AM standard broadcast receiver, an FM receiver, and is presently building a closed circuit television system with a small camera in every room in his house. His wife doesn't know it, but there's even one hidden in the bathroom. (Louie says that now he'll know who leaves the water running in the shower.)

Louie is also the kind of nut who never likes to throw anything away or see anything go to waste . . . which is why on one of the windiest Saturdays of the year, there were eight of us and a piano tuner on Louie's roof.

The whole thing began on another pretty windy night. Louie had been working in his radio shack putting together part of his closed circuit TV system and had run into a pretty knotty problem. He suddenly realized that he was tired and that it must be getting late. He pulled open a file drawer, selected the card for our home town, slipped it into the computer and punched a button.

The computer yawned, groaned, and went to work. Lights flashed, relays chattered, and a length of tape spewed from a slot. The computer sighed heavily, shut off its lights and relays and went back to sleep. Louie looked at the tape. It said, "It's 3:00 a.m. Go to bed, you dope!"

Louie, for once, agreed with his computer. He threw the master switch in the shack and went to bed. But he couldn't go to sleep. The problem he'd been working on still bugged him. While he lay there sleepless with visions of logarithms spinning through his head, he suddenly became aware of the sounds made by the wind blowing through the guy-wires of his antenna farm on the roof. Right then was when Louie got the big idea.

That Saturday morning dawned clear but windy. Louie put in a call for seven of his CB and "ham buddies." "Come on over," he said, "I've got a big surprise for you, and I need a little help."

When we arrived, he introduced us to the piano tuner who had brought his little black bag full of tuning forks. "Fellas," Louie said, "here's the plan. You all know how many antennas I've got up on the roof, and you all know how I hate to see anything go to waste. So I figure if the wind is going to hum through all those guy wires up there it might as well hum a tune while it's doing it. Since each antenna's got eight guy wires, we can each adjust a turnbuckle while our friend here checks the pitch with his tuning forks. He says he can tune 'em so they'll play a different tune when the wind changes."

That's how eight of us and a piano tuner happened to be on the flat roof of Louie's adobe-style house on the windiest day of the year.

My friend Louie is a nut, but he can always tell which way the wind is blowing by which tune it's playing. And he's already talking about those guy wires retuned to play Christmas Carols when the holiday season rolls around again.

59

***se·lec·tive** (sĭ lĕk'tĭv) *adj.*

having the function or power of selecting; making selection characterized by selection. 1. *Radio.* having good selectivity of hearing. 2. *Elect.* like, by vision.



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DON'T BUY IT

MAKE IT YOURSELF

by MIKE PITTS, KCG1166

How many times have you seen it?

"Do it yourself—Build this handy dandy little speech compressor at home in your spare time, for a fraction of the cost . . ." Or something on that order.

I've been looking at these articles for years, saying to myself "Why not?". I mean, they make it look so simple. Just hook a few wires here, solder a few there, and PRESTO! There's your handy dandy little item in one little box; and what a signal! And you made it all with your hot little hands!

Okay. So one day I decide to "damn the torpedoes . . . full speed ahead." What's the difference if I don't know a capacitor from a corncob pipe. There's the picture and the diagram. Nothing to it, right? *Wrong!* With me there always has to be some small snag. Nothing big, you understand, but nevertheless, a snag. Witness the little scene not long ago when I decided to delve into the field of Marconi:

Me: "Say, honey, look at this nice little gadget in S9. Says I can up my output to the full five watts all legal like. And just a few parts and easy to assemble."

Her: "Here we go again! Shall I alert the doctor?"

Me: "Now wait a minute! I'll agree I haven't had too much luck with some do-it-yourself projects in the past, but . . ."

Her: "Not too much luck! Is that what you call it when you build your own antenna and we had to call the fire department to pluck you off the roof . . . or the time you decided your rig would work better if you attached the ground or something to the wall socket and I had to pry you off the opposite wall . . . or the time . . ."

Me: "Okay. Okay! Scoff if you like. But this time will be different. I'm gonna build this handy dandy little gadget all by myself and then you'll see!"

Her: "All I'll see is you looking between your toes from a hospital bed. I'll go warn the doctor."

And she tottered off in that cute way she has, mumbling something about kooks who think they're RCA. Trouble with women is they never appreciate true genius until it's too late.

Okay. I'll show her! Now where do we start? Oh yes. Here it is. First thing is to travel to the electronics shop for a few parts. That's simple enough.

Two hours and twenty-five dollars and thirty cents later the XYL greets me at the door.

Her: "I had the distinct impression you were going to spend 'just a few cents' on this current folly. If you spent just a few cents on that armload I'm the president of the ACBA!"

Me: "Well, they had the nicest sale on a few discontinued items that I just couldn't pass up. But don't you worry! I have a use for all this stuff. It'll come in handy."

Her: "Sure. Like that basement full of junk you bought on your last junket. It comes in handy for the kids to use when they're playing 'Space Ranger,'"

Me: "Now hold on there! Do I bug you when you run up the charge account like our bank balance was the size of last year's national budget? Do I give you static then, huh?"

Her: "Yes, it's terrible the way I squander money for food and clothing and all that nonsense when I could be spending it on a new 23 channel radio. Just terrible."

Me: "Your sarcasm fails to move me. Now move, woman, and let me on with my work!"

And down I slink to the basement hideaway for the next step in the operation.

Two weeks later I'm beginning to think the little woman might not be all wrong. But what the heck! Anybody can burn themselves with a soldering iron. And how was I to know the mini-box had such sharp edges? And just because I broke the ends off those three tubes trying to pry them into those tiny holes . . . I mean, that's no reason to lose faith, is it? So what if I've used three rolls of solder! And who cares how many resistors I break the ends off? I bought plenty. I will say I'm kind of sorry to see the vice go. Maybe I shouldn't have tried to tighten it with the hammer.

But talk about no cooperation and encouragement from the wife! Just because I blew a couple of fuses when she had a cake in the oven! I mean, was that any reason to get mad and threaten to leave me? You'd

think she'd realize you can't be successful ALL the time. And gosh! Anybody could have left the soldering iron on. She wanted new drapes, anyway.

But in spite of it all I did it! I built it! There it is, see!

Her: "How much did it cost?"

Now if that isn't just like a woman! Never mind the labor of love, never mind how nice it looks. Just "how much did it cost?"

Me: "Isn't it the nicest thing I've ever done? Why, it will look great on top of the rig! It has . . ."

Her: "How much!"

Me: "Well, if you don't count the soldering iron, and the vice, and the doctor bills and a few extras . . . about forty-five dollars."

Her: "Forty-five dollars! Have you completely lost what little of your senses you have left? Do you realize what we could have done with forty-five dollars?"

Me: "Well, maybe I did spend a little more than I intended. But doesn't it look just great?"

Her: "Good grief! Does that thing work?"

Me: "Are you serious? Have you got the un-mitigated gall to ask me a question like that? Do you know how long I spent building this? Do you realize . . ."

Her: "Does it work?"

Me: "Your perseverance astounds me. To tell you the truth I haven't had the guts to try it. But I was just working up my courage to plug it in."

Her: "Hold on there! Let me get to the other end of the house."

I debated about stopping her until I saw the jaunty angle she carried that dust mop. Well . . . who needs here anyhow? Here goes!

You know. Those hospitals treat you pretty good. I mean, plenty of good food and excellent care and all. And the doctor says my hands will be as good as new in a few weeks. And I won't have to worry about the scar in my head. Why, when the hair grows back it will hardly show! And the contractor says it shouldn't cost more than five hundred to get the basement in shape. And you'll never know it happened!

But the scars in my marital relationship may never heal. My wife has completely lost her sense of humor. For instance, at the dinner table the other night:

Me: "Say honey, they have the wildest little gadget in S9 this month. It say you can . . ."

It wasn't too hard to wash the mashed potatoes out of my hair, but she sure ruined a good suit.

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DO YOU NEED

SSB AND VOX ON CB?

by CHARLES LEEDHAM, 2A3788

Unless the FCC changes its mind about things—which can always happen but probably won't in this case—Single Side Band is the wave of the future in CB, and no pun intended. SSB, as it is known, is slowly winning over strong AM (Amplitude Modulation) resistance on the ham bands, and it is right now getting ammunition for the final winning push in the form of rock-bottom cheap ham transceivers. Versions of these are bound to show up sooner or later on the CB market, for the FCC has given specific and clear approval of SSB on CB, although with a warning that they will be watching developments closely in case of misuse.

Heathkit, for example, has a kit for hams, a SSB transceiver complete with VFO (variable frequency oscillator rather than crystals), two hundred watts input, and a price tag that comes to about \$150 including power supply. When this kind of circuitry gets to the CB market, what with fixed crystal oscillators, only five watts of push and smaller built-in power supplies, the price is bound to be even lower—perhaps as low as \$100 for the whole thing. Compare that with current prices for CB equipment—and for a communications method which is eight times more efficient than the currently universal AM. SSB is coming, make no mistake, and thus it behooves the CB operator to know just what it is that's on the way, and a little about why and how it works.

The AM systems we are using on CB are becoming antiquated because they are extravagantly wasteful methods of communicating spoken intelligence via radio. That 3.5 watts you're getting out of your final is almost all wasted—the total useful power you're putting out is contained in just about half a watt of the total! This is why:

An AM transmitter operates on a very simple principle—produce a carrier wave at the proper frequency, add an audio frequency to it (modulate it) and then ship the whole business out to the antenna. The trouble is that the "whole business" isn't just one modulated wave, but three separate waves, two of them wholly useless. For purposes of example, let's assume that we're operating in a band where the carrier frequency is 100 kilocycles rather than 27 megacycles—just because it makes the mathematics easier; things work out the same no matter what the basic frequency is.

In the transmitter, the crystal oscillator produces a wave at 100KC which is sent on to the mixer-amplifier, where it meets the audio coming from the microphone (after considerable amplification in the audio circuitry). Again, for this example, assume that instead of talking we are whistling a 1,000 cycle tone (1KC) into the

mike. So the 100KC carrier wave is met by a 1KC audio tone. One adds to the other, and out goes a signal at 101KC—the carrier plus the audio. When this gets to somebody's receiver, the circuitry separates the 100KC and the 1KC and feeds the original 1KC to the speaker, and the listener hears the whistling.

So far, so good, but there is unfortunately a great deal more to it. When two waves are produced at the same time—like your 100KC carrier and 1KC audio—they produce from meeting not only their sum (101KC in the example) but also their difference. So there is not only a 101KC signal going out from your transmitter, but also one at 99KC. And worse yet, the old original 100KC carrier is unchanged by this adding and subtracting, and out it goes, too, at an unaltered 100KC. In fact, the 1KC audio tone tries to go out too, because it's still there, but there is at least the saving grace that it is stifled in the final "tank" circuit of the transmitter, which simply won't pass a tone as low as 1KC.

The 100KC signal which is going out is called the "carrier," although in fact it carries nothing at all, and the 101KC and 99KC signals are called the "sidebands." And now we begin to get down to business. Here you are sending out three separate signals, one of which at least does absolutely no good. You see the carrier on your S-Meter, but it is a dead carrier, and contains exactly as much information as the dead carrier thrown onto the channel by the personality-problem jokers who get a feeling of power from disrupting communications. The signals that do you some good are those sidebands—the 99KC and 101KC signals that your receiver is getting right along with the main carrier.

Having used the original carrier to generate a usable wave, we send the darn thing right out instead of discarding it as soon as its usefulness is over. The situation (and a clue to the solution) is not unlike this analogy—suppose that you had a truck with an absolute loadlimit of 1,000 pounds and wanted to use it to transport as much cargo back and forth as quickly as possible. But to load the cargo on the truck, and to unload it at the other end of the line, you need a crane that weighs 900 pounds. One solution is to mount the crane right on the truck—hoist up the cargo, and then drive to the other end of the line and use the crane to unload there. Fine, but the fact that the crane weighs 900 pounds has cut your useful load right down to 100 pounds of cargo. You hoist the 100 pounds aboard, trundle the 1,000 pound load (cargo plus crane) over the roads, and then hoist the cargo off. A highly wasteful way of doing things, as compared to a system of having a stationary crane at both ends of the line, and transporting 1,000

pounds of useful cargo at each trip.

The AM system is, in effect, using exactly the same woefully inefficient system as the truck-mounted crane. And the proportions are not far wrong. Two-thirds of an AM transmitter's output power is contained in that dead, useless carrier, and in a CB transmitter putting out 3.5 watts, that means about 2.3 watts wasted right there. This leaves only 1.2 watts for the sidebands which carry the intelligence. These in fact are mirror-images of each other—each carries the identical information—and so again half of the little 1.2 watts left is wasted. The total power in each sideband is down to just about six-tenths of a watt. If we could only get all 3.5 of those watts into just one of those sidebands and send it out alone!

As you by now either know or suspect, it can be done, and this is SSB. Without going into the technicalities of the circuitry here, the SSB transmitter does exactly what we asked in the paragraph above. It lops off the carrier—after using it to generate the proper RF wave—and then it lops off one of the sidebands, and in its final stage it applies its full rated power to the only sideband left, and out it goes with a walloping signal compared to AM. By taking the power that would have been wasted in the carrier and the other sideband and putting it into one sideband only, a SSB signal is eight times as effective as an AM signal. This means a 9 db gain—or a five watt CB transmitter on CB operating on SSB with the effectiveness of a 40-watt AM transmitter. Well worth it, eh?

The first problem that arises is the fact that the ordinary AM receivers we are accustomed to don't know what to do with a SSB signal. No carrier is coming in along with the sideband, and an AM receiver needs a carrier to sort out the audio tone from the rest. On AM, a SSB signal sounds like maddened Donald Ducks squawking away at a furious rate. To go back to the analogy, we have taken the crane off the truck (removed the carrier wave) and increased the load-carrying capacity, but when the truck gets to the other end of the line, there's no crane there to unload it. Simple solution—install another crane there identical to the one back at the depot. In radio, that is exactly what is done by a SSB receiver. The carrier wave is no longer coming in from the transmitting station, so the receiver simply generates a carrier wave of its own and adds it to the sideband it receives—this is called "carrier reinsertion."

In the first example, with the transmitter now operating on SSB, only the 101KC signal is going out, and the receiver gets 101KC. In one of the early stages of the receiver there is an oscillator which produces a 100KC signal, and as soon as the 101KC signal comes in it is mixed with the 100KC locally-produced signal. The following stages of the receiver have no way in the world of knowing whether the mixture of signals they're getting came through the air or whether one was produced right on the spot, to order. It is easy enough to change the frequency of the locally-produced "reinserted carrier" until it exactly matches the carrier that was chopped away at the SSB transmitter, because the only

time the received signal will make sense is when the local signal exactly matches the chopped carrier. This is the way SSB is tuned—keep changing the frequency of the "reinserted carrier" until what you hear in the loudspeaker sounds right. In essence, anyway, that is the way it is done.

Quite aside from the increased transmitter effectiveness, there are many other advantages of SSB. First of all, it will give one overwhelming plus—those howling, unholy heterodynes will be gone forever. It is the useless carrier which produce the screeches in the first place, and once we've gotten rid of the carriers, we've also gotten rid of the heterodynes.

(The howl you hear when two stations are trying to transmit on the same channel is produced by exactly the same process we looked at earlier—addition and subtraction of frequencies. One carrier coming into your rig at 95KC meets another at 105KC and the difference frequency of 10KC gets included in the audio coming from your speaker. In terms of CB frequencies, one operator's Channel 13 crystal may be producing a carrier at 27.114 megacycles (27.114KC) and another's at exactly 27.115MC. When they hit your receiver together the difference frequency is 1KC and that is what you hear. This will explain, in case you've wondered, why you hear so many different notes in the heterodyne squeals—no two carriers will be exactly the same distance apart in kilocycles, and so their difference frequencies will be different when they hit another carrier.)

Probably the major advantage of SSB after power is the fact that a great many more conversations can be carried on in the same band, even when there are specified channels rather than free-wheeling VFO's as used on the ham bands. Take the example of the 100KC channel we've been using. When we converted to SSB and sent out only the 101KC signal containing the whistle, we were operating on Upper SideBand (USB). If we wanted to, we could have chopped that 101KC sideband and kept the 99KC sideband and sent that out instead, thus operating on the Lower SideBand (LSB). Either way works equally well. Suppose now that there are two separate transmitters, both wanting to use the 100KC channel, but one wants to broadcast a 1KC whistle and the other wants to broadcast a 2KC whistle. Fine, the first station settles for USB operation and thus sends out his sideband at 101KC (carrier frequency 100KC plus the 1KC whistle) while the second station goes onto LSB and sends out his sideband at 98KC (carrier frequency 100KC minus the 2KC whistle). Neither conflicts with the other. At the receiver, we center our main tuning at 100KC and by flipping a switch marked LSB-USB we direct the receiver to look for audio either above or below the main frequency. In the USB position we will hear the first station's 1KC whistle, and in the LSB position we hear the second station's 2KC whistle.

When we get to actual speech rather than steady audio tones, the situation is exactly the same. Normal speech runs between 300 and 3,000 cycles, varying all the time. If we broad-

cast speech on USB with a 100KC main frequency, the speech tones will add to the main frequency and the USB signal will go out varying between 100,300 cycles and 105,000 cycles (100.5KC and 103.0KC). The LSB user of the same channel will send out his sideband with the speech frequencies subtracting from the main frequency, and thus will be using the frequencies between 97.0KC and 99.7KC. Again, no conflict at all, but two conversations being carried on simultaneously on the same channel where there was space for only one with AM.

One of the major problems of SSB on CB arises here, from the fact that we use crystals rather than VFO's. A VFO can be spotted exactly on a frequency, but crystals vary all over the lot from the center frequency assigned to each channel. A Channel 13 crystal, for example, which nominally is manufacturing a main frequency of 27.115MC, may legally vary 1.35KC on either side of that figure, and of course CB crystals do indeed vary. LSB and USB do not conflict on the same channel if both are generated on either side of one center frequency, but what if the USB is sent out from a crystal actually operating at 27.114MC and the LSB is sent out from one operating at 27.116MC?

By doing a little adding and subtracting, you can see that the speech frequencies of the two signals will be crossing each other. There is probably no real solution to this one—although the slide-rule engineers may come up with something—other than 100% accurate crystals and 100% accurate oscillator circuits, both of which thoughts are just a little unrealistic. In actual practice, though, even with this problem, operating will still be better than trying to have two AM signals use the same channel at once. If you are tuned to a USB signal on Channel 13 and a LSB signal comes on which crosses it, you don't hear the wild squeal, but simply another conversation upside down—it is like listening to a tape recorder being played backward—along with the normal speech you're hearing from the USB station you're tuned to. It is annoying, but you can still carry on your conversation.

Even this problem is partially solved by the VOX system which usually goes along with SSB—VOX meaning either the Latin for "voice" or an acronym for Voice Operated Xmission, as you please.

VOX is used by great numbers of ham SSB operators, and it is a marvel to behold. Very basically, instead of having a push-to-talk switch to turn the transmitter on, there is a special circuit which turns the transmitter on and off by the power of your voice as you speak into the mike. If you sit there and say nothing, the transmitter is off and the receiver operates. You start to speak, and as the first breath of the first syllable hits the mike, the transmitter is automatically turned on. As soon as you stop speaking, the transmitter goes off and the receiver comes back on. By adjusting the various controls involved, you set the VOX so that it turns the transmitter on when you speak and holds it on between words, but will turn it off between sentences so that you can hear interruptions or breaks. Also other controls set things so that the

noises coming from your speaker don't turn the transmitter on. For the dial-happy operator, in fact, VOX adds a minimum of three more knobs to play with—VOX Gain, VOX Delay (to control the amount of time the transmitter stays on after you stop speaking) and Anti-VOX (to keep speaker noises from turning it on).

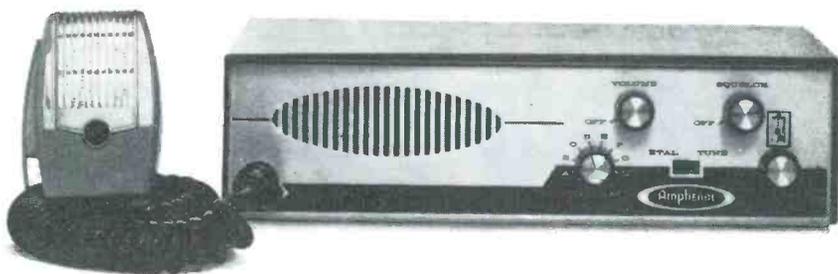
VOX goes a little way toward solving the crossed USB-LSB situation mentioned above, because each transmitter is on the air only when the operator is actually talking. But if it did no other good at all, VOX-operated SSB would be worth its weight in gold because it will put a permanent end to the widely-known and inescapable monologue artists of CB. You know—and can't have escaped hearing and being bored to the bricket by—the types who get a firm thumblock on the air and hold the transmitter button down for dear life while they unload every tiny thought they have on their equally tiny minds, repeated and restated and condensed and expanded in seventeen variations and permutations. As long as that old thumb is down on the push-to-talk, the monologist's carrier is on and his receiver is off, and nobody can get in a word edgewise. But, ah, VOX! As soon as he stops to take a breath—which even one of those types has to do eventually—his transmitter drops out and his receiver goes on, and you can get in a "Hey!" or whatever.

For more normal types, VOX is a blessing, too—a VOX contact is almost exactly like talking on the telephone. Newcomers to SSB and VOX have a tendency to try desperately to keep the transmitter on the air with a marvelous collection of uuuuuuuuh's and aaaaaaaah's, but everyone soon learns to talk normally. Pretty soon even the "Callsign Nuts" learn to cut it out—you ask one of them, "How's the missus?" and he answers, "KBG433 from 2A3788, why, she's fine, KBG4303 from 2A3788, Over." But soon he learns just to say, "Fine, and how's yours?" and throws in his callsign once every three minutes to keep legal. A five-station group can talk together with almost exactly the same ease and fluency as if they were sitting around a table, and no more of the stultifying business of "I'll throw it to Harry, who'll pass it on to Joe, and then Herman will pick up, or, no, I think it should go then to Oscar, or maybe it's Ray."

There will inevitably be a period of adjustment, confusion, and plain old-fashioned hostility between the new SSB operators and the old-timers who swear by solid old AM. The AM'ers will spend a good deal of their time cursing the "duck-quackers" of SSB who they can't understand, and the SSB'ers will look down on the AM'ers with their crude old methods and their howling heterodynes. Exactly this sort of thing has been going on all over the ham bands for years now, but as mentioned earlier, SSB is slowly winning the battle. It is bound to happen on CB, with hundreds of thousands of AM sets in operation and their operators largely unwilling at first to abandon the faithful old rig just for something newfangled.

Some sort of informal arrangement will have

Continued on page 68



The most important feature of the new Amphenol 510-B doesn't appear on its spec sheet.

Many things will impress you about Amphenol's first entry into CB—the Model 510-B. Our literature tells you all about the single-ended transmitter which exceeds 3½ watts. Our spec sheet will describe the latest planar epitaxial silicon transistors used for the first time in a CB unit. Sensitivity of the receiver. 5 microvolts; 40 db selectivity at 10 kc and dual conversion IF will be also covered.

The literature goes on to tell about a speech clipper which permits full voice power short of over-modulation; the use of reliable solid-state switching in the push-to-talk microphone and the full range squelch control. Also covered are 8 crystal-controlled channels and a crystal-correlated 23-channel tuner.

You'll soon realize the fully transistorized 510-B is a dependable, no-nonsense transceiver. In a compact housing it can be mounted anywhere for AC or DC operation. Sensibly priced at \$199.95.

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The 625 has a built-in AC/DC power supply. It is priced at \$189.95. The 600 is a mobile version of the 625 for 12 volts DC only at \$179.95. Prices include power cords, push-to-talk microphone, universal mounting kit.

Rounding out the line are two solid-state, 2-channel hand-held transceivers: C-75 1.5 watt model at \$114.50; C-60 100 mw, \$89.50. Selective Call, portable battery pack and other accessories are available.

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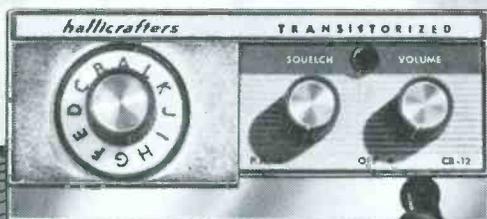
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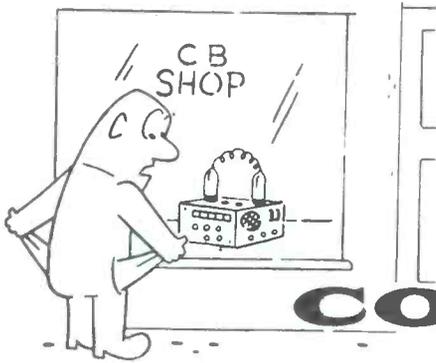


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ON THE COUNTERS

Big news this month from Sentry Manufacturing Co., P.O. Box 12322, Oklahoma City, Okla. 73112 (Tel. 405-942-5686). Sentry is a new outfit which is owned by CB's famous "Uncle George," formerly of International Crystal Mfg. Co. The ol' Rebel has come up with some dandy new products which are available from Sentry directly and also from local dealers (Uncle George is looking for new dealers, by the way). For instance, how about a shortwave converter for your mobile unit—one that will convert a band of your choice (4 mc/s wide) to the broadcast band, and it comes complete, wired and tested for \$14.95. Or what about a transistorized shortwave converter for any single frequency from 25 to 180 mc/s, AM or FM, for monitoring aircraft, ships, police, fire, Civil Defense, CB, hams, and other HF and VHF services. This one is \$37.50. Sentry also has some other clever innovations, things like a Nuvistor mike amplifier for less than \$10, and also a line of highly efficient (but sensibly priced coaxial and crystal switches. Write to Uncle George for complete specifications, photos, prices, and all sorts of goodies. Don't forget to tell him that you're one of the S9 gang—it will earn you a little extra personal attention.

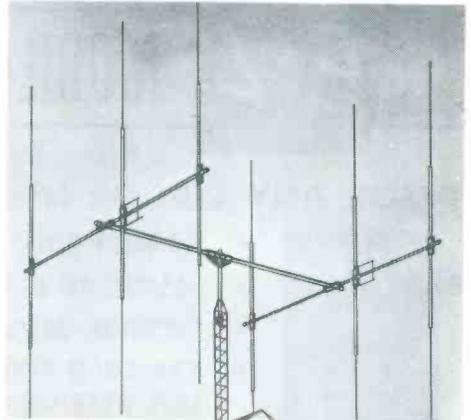


For you SWL's and other Gung-ho types we have a Global Time Conversion Watch, a wild looking intricate piece of machinery, made in Switzerland. This watch tells you local time on a 12 hour dial, but also gives you instant time conversion to any world time zone on a 24-hour time scale, including day/nite indication and In-

ternational Date Line markings. The jewelled movement is anti-magnetic, has a luminous dial, sweep second hand and an unbreakable mainspring. Price is \$16.45 (that's right, less than 17 bucks, gang) from Nordlund Radio Products, 7635 West Irving Park Road, Chicago, Ill. 60634.

Turner Microphone Company of Cedar Rapids, Iowa, announces a stylish new lavalier microphone, dubbed the Model S-58. The S-58 is a dynamic type mike featuring a slide on/off switch and a frequency response of 60 to 13,000 cps. Price is \$67.00, list.

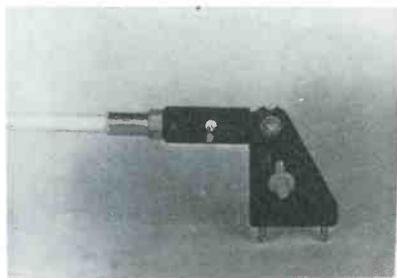
Hammarlund Manufacturing Co., Mars Hill, N. C. has brought out a new CB rig, the Model CB-214, to sell for \$114.95. The CB-214 covers any six channels and includes a variable squelch, a dual power supply, all-electronic switching, and ruggedized construction.



Hy-Gain Electronics Corp., 8445 N.E. Highway 6, Lincoln, Nebraska, has two fantastic new additions to the CB antenna family. This time it's Duo-Beam base station antennas, one with 4 elements, the other with 6. The manufacturer claims that the 4 element beam will give a CB rig an effective radiated power of 42 watts, with the larger 6 element beam producing an ERP of up to 93 watts. Both beams can be turned with TV rotors and you can then direct your signal to any desired direction. Get further details from Hy-Gain.

Reports

THUNDERSTICK MOBILE ANTENNA



Every once and a while someone comes up with a new type of antenna for mobile CB use. Such is the Thunderstick, a unique shortened type of antenna that packs an efficient wallop, is neat in appearance and is simple to install without marring the vehicle.

It consists of a 48-inch radiator which, instead of loading coils, uses the transmission-line reactances for tuning the system to resonance and for impedance matching. The arrangement is pre-tuned at the factory for the Citizens Band with a given length of coax line that is supplied with the antenna. You just connect the end of this cable to the transmitter and you're ready to go without any fussing around with special tuning adjustments or pruning of either the antenna or feedline. No meters or instruments are required.

In addition, the Thunderstick is designed for

Close-up view of the Thunderstick fold-over mount in the retracted position. It is secured to the rain gutter by the two screws at the bottom and is stabilized with an angled screw that has a plastic cap (shown in the center) to protect the car finish as it rests against the body.

“gutter mounting” at the roof-top level of the vehicle where it can radiate more efficiently with an omnidirectional pattern than bumper-mounted antennas.

The antenna is constructed with resilient fiberglass that cuts down surface noise which might otherwise be experienced with bare metal elements. It also is shock and weather resistant, and all the metal parts are corrosion proofed.

An extra dividend is that the antenna is supported by a fold-down mount to allow the an-

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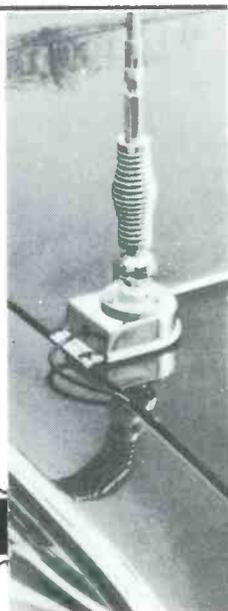
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tenna to be tilted over parallel with the roof top of the car when the vehicle is garaged. You don't even have to get out of the car to lower the antenna, since it can be installed within reach immediately over the center of the driver's door, and all you have to do is to reach up out of the door window to fold back the antenna.

Installation is simple, requiring only two $\frac{3}{16}$ " diameter holes in the rain gutter above the left door for fastening the mount. No large tell-tale holes or brackets are required on the car body. The coax cable, which is less than $\frac{1}{8}$ " in diameter, can be run down the forward slope of the rain gutter and into the car behind removable strips or the crevice at the front edge of the door. A lateral-adjusting screw between the mount and the roof top immediately next to the rain gutter firmly holds the antenna laterally upright and prevents sideways. The end of this screw, which rests against the roof body, is capped with a plastic cover to prevent marring of the car finish.

INSTALLATION AND OPERATION

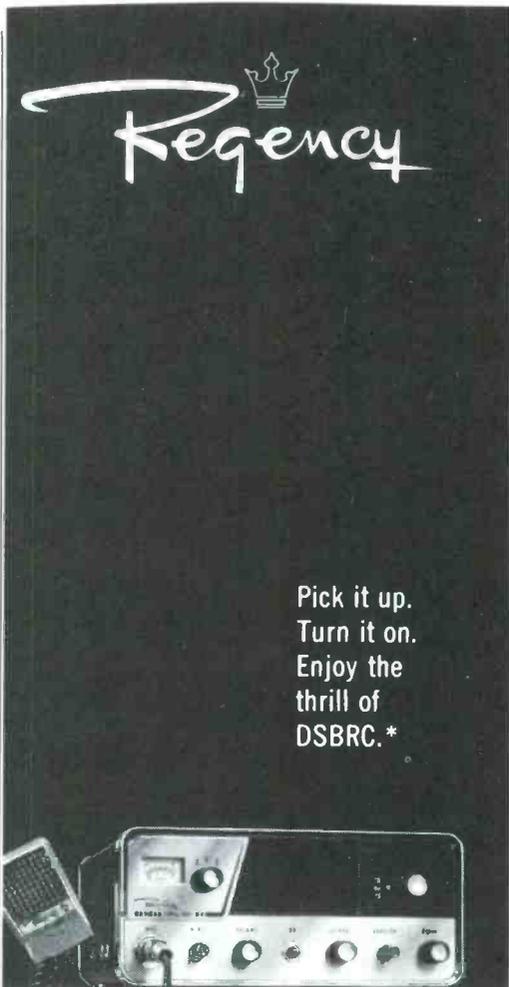
Since the coax cable furnished with the antenna is a pre-tuned integral part of the antenna system, its length must not be altered, except as needed for connections to the radiator and the CB equipment. A cable connector is not supplied with the package, so you have to hook up your own connector to fit your particular gear. We've already mentioned that you don't need instruments to adjust the antenna system itself; however it would be advisable to maximize the matching of the transmitter by adjusting its output-coupling network for the most signal as indicated by a field-strength meter.

We found the Thunderstick easy to install and no technical difficulties were experienced in getting on the air. A 10 db gain over bumper-mounted antenna is claimed for the Thunderstick and although we did not make any direct comparisons in this respect, we did find that we were able to put out a consistently good and uniform signal, so we're sure you'll find the antenna a good investment.

The Thunderstick is available in either black or white durable epoxy marine finish. It is priced at \$19.95, complete with fold-down gutter mount, pretuned coax cable and mounting hardware. The fold-over mount also is available as a separate item priced at \$7.95. The producer is Thunderstick Products, 3844 Reklaw Drive, Studio City, California.

SQUIRES-SANDERS 23'ER

A number of solid-state, or transistorized, CB transceivers have made their appearance on the market in recent months, but the Squires-Sanders 23'er is the first one we've run across that provides crystal-controlled coverage on all 23 chan-



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nels, both for transmitting and receiving. Another especially attractive feature of advanced design is a new type of noise *silencer*, a unique arrangement exclusive with the 23'er, that is being used with exceptional effectiveness on commercial communications receivers. In addition, there is a conventional-type noise *limiter* in the unit too.



The Squires-Sanders 23'er. Note its small size compared with the pencil in the foreground. For base station use is locked on top of a 2-inch-high tilt-up base (not shown) which contains a 117 v.a.c. power supply.

The 23'er uses 25 silicon transistors and 7 diodes. Among its other features are: high receiver sensitivity with low noise, sharp 9 kc selectivity with a crystal filter, squelch, external speaker and p.a. provision, full legal transmitter input with a special high-efficiency RF power-output amplifier, clipped and filtered audio (speech booster) to raise average talk power, adjustable output network for matching into antenna loads of 30-75 ohms, transmitter-on indicator lamp, push-to-talk ceramic microphone.

It is compactly made with a self-contained 3" x 5" loudspeaker and a built-in power supply, using power-switching transistors, for 12 VDC mobile operation (negative ground systems only). An accessory 117 VAC power supply, which also serves as a desk stand for the unit during base station use, is available too.

The 23'er is designed with functional simplicity, so all you have to do to operate it is to turn it on by advancing the volume control, select the desired frequency with the channel-selector knob and adjust the squelch threshold. If you're plagued with impulse type racket, like ignition noise, you simply pull out the squelch knob to engage the noise silencer and "away it goes." To transmit, you press the push-to-talk button on the mic, and you're on the air.

CIRCUITRY

The heart of the 23'er is the frequency synthesizer with its ten permanently installed crystals that are arranged to provide full band cov-

erage. Back lighting at the Channel-selector dial shows up the channel in use. The dial is white with black numerals for the unit-to-unit channels and red numerals for the station-to-station channels. This makes it easier for you to keep track of the proper channels to use for the desired service and helps avoid the possibility of illegal operation. In addition, station-to-station Channel 9, at the REACT or HELP frequency, is indicated by a *white* numeral on a *red* background for immediate identification during an emergency. During transmit, the dial window lights up red to let you know you're on the air.

Another feature of the selector dial is that it can be rotated continuously to allow you to change from a high channel, such as 22 or 23, directly to a low channel, like 1 or 2, without your having to tune down back through all the other channels again.

The Squires-Sanders noise *silencer* functions at the IF level where a noise pulse just momentarily cuts off the IF amplifier, effectively punching an instantaneous hole in the signal and preventing the noise pulse from reaching the detector. This system does not incur a loss in signal level, nor does it introduce audio distortion. A diode noise *limiter* also is used in the 23'er to attenuate broadband noise. Between the two noise-eliminating arrangements you kill the racket with "both barrels."

A 10.7 mc/s IF is used to provide high image rejection. Also included is a four-crystal filter that has a flat bandpass for uniform audio response over the speech range and that has steep-sided skirts to provide high adjacent-channel selectivity.

The transmitter has a built-in "speech booster" which clips the speech signals and allows at least 90 per cent modulation at a high *average* modulation that effectively raises the available talk power for providing a healthy audio wallop. Speech clipping inherently creates an amount of distortion which could become objectionable, but the system used in the 23'er includes pre-filtering which provides the optimum degree of clipping with the least distortion for the various speech frequencies, while additional waveshaping cleans up any residual distortion.

The final amplifier output circuit is designed for very high efficiency, which from our observations amount to nearly 80%.

PERFORMANCE

Measurements in the S9 Lab indicated the performance of the 23'er to meet the manufacturer's specification as follows: receiver sensitivity, ½ microvolt for 10 DB signal-to-noise ratio; image and IF signal rejection; 60 DB minimum; squelch sensitivity, adjustable from 1 uv to 50 uv; AF power output, 4 watts; selectivity, 9 kc/s at the 6 DB points. In addition, adjacent-channel selectivity was better than 40 DB.

Operating from a 117 VAC source the transmitter carrier output measured just under 4 watts. Output with 13.5 was a little lower than this. DC current drain on standby (receive) was less than .25 amps, on transmit with modulation the average current drain was no more than 1 a, a considerable saving over that required with vacuum tube counterparts.

The modulation went up to a little under 100 per cent, with good RF envelope waveform which showed no deteriorating effects from speech clipping. The audio quality on both transmit and receive sounded clean.

The speaker is mounted on the front panel, rather than on the bottom of the case, as is sometimes done with compacted equipment, so the sound reaches you directly, instead of being reflected from another surface. Better intelligibility is thus assured, particularly in mobile installations.

The Squires-Sanders noise *silencer* really does a terrific job not only in getting rid of ignition noise, but also in cutting out power-line and fluorescent-light interference. Also, it does not introduce distortion or signal loss, nor does it leave the usually experienced heavy background roar.

The microphone is connected to the unit through a standard type 3-way phone plug and jack on the left side of the case. The plug is the flat type with the mic cord extending from the side of the cap, so the plug cannot be accidentally pulled out. The arrangement also allows the mic to be instantly installed or removed without the convenience or having to screw on or off a retaining or locking ring as required with the usual type of mic connector.

For PA operation, a public-address adapter assembly is required to be installed between the power-cable receptacle and the power-cable plug, on the rear of the unit, to provide a connection for a 4-ohm PA speaker. We did not have an adapter, so this function was not checked.

The 23'er weighs a mere 4 lbs. and its size is only 8" W. x 3½" H. x 7" D., making it ideal for mobile installations where space may be restricted or where you'd like to mount the unit near the left or right of the steering wheel. (In some truck installations a convenient mounting place has been found to be above the windshield.) Besides this, it'll take up little room on a desk for base-station use.

The Squires-Sanders 23'er is priced at \$235.00, complete with ceramic PTT mic, mobile-mounting bracket and 12 VDC connecting cable. The accessory power supply and stand costs \$24.50. The manufacturer is Squires-Sanders, Inc., Martinsville Road/Liberty Corner, Millington, N. J. 07946.



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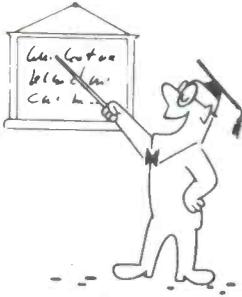
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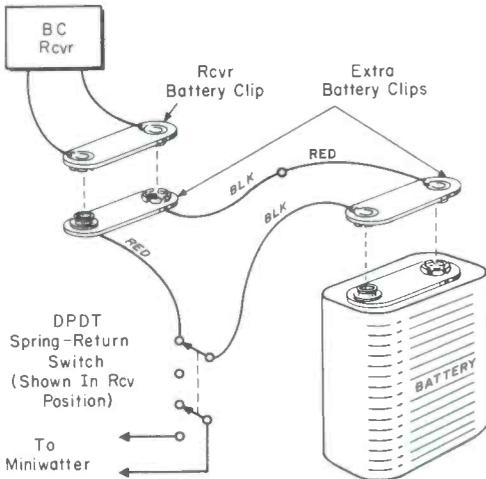
Yep, it's that time again. The "new" rules may outlaw technical discussions over-the-air—but you can still find out what you want to know. Just drop a line to this department with your question.

And this month a lot of you did. So without further ado, let's get down to business:

BROADCAST-BAND P-15 TRANSCIVER

I was greatly interested in the P-15 "Mini-watter" (December 1963 S9, page 44). Now here's the problem. Could you please try to design a small, pocket-sized, P-15 transceiver for the broadcast band. It could use the "Mini-watter" for the transmitter, if not for the ground.

—K.L.F., Randolph, Vermont

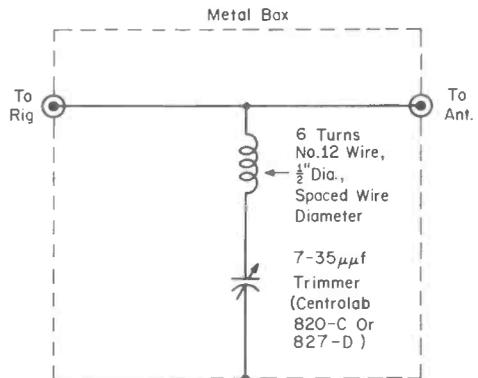


The easy way to solve this one is simply to get a small transistor radio, BC-band variety, and hook up a switch to its battery supply as shown in the schematic around here someplace. This switch becomes your push-to-talk, and there you are! Next problem!

REALLY ROUGH TVI

I have a problem; it is impossible to have both my CB and my TV sets on at the same time. The result of joint operation is lines which completely blot out the picture on the TV. This situation occurs while the radio is on receive as well as on transmit. We are in a fringe area for TV and thus the signals are not strong. At present, I am operating a transistor booster on the TV; this did not remedy the situation, in fact it only worsened it. One other thing, the CB rig is filtered externally as the neighbors have found it necessary to phone me during the evenings. I would appreciate any help or suggestions you may have.

—R.C.N., East Brady, Pa.



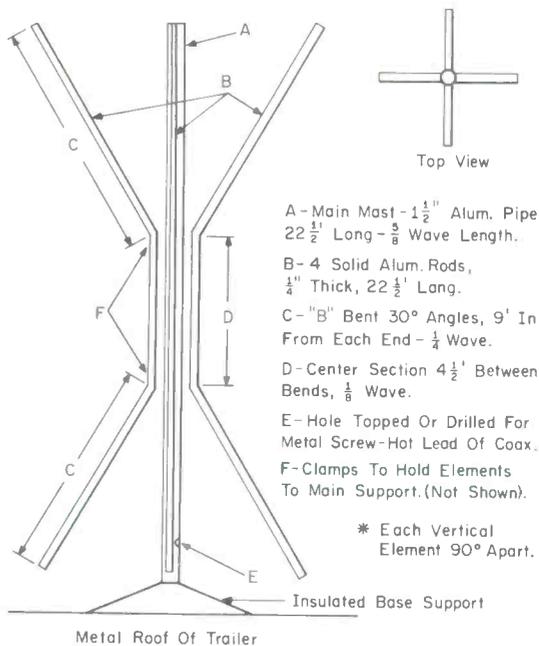
It sounds as if this is probably caused by harmonics of the CB set getting into the TV. You didn't identify the channels you watch, but if the trouble is mainly on channel 2 or 3, or on 5, or any of the high-band (7-13) channels, I would be almost certain of harmonics. The receiver's oscillator would be causing it on receive, and the transmitter itself, of course, on transmit. Some CB sets have harmonic traps built into them which can be adjusted to remedy such happenings—but yours doesn't. Try adding the trap circuit shown in the schematic; you can build it in a small metal box, but ground the box firmly to the chassis. Also ground the chassis of both the CB rig and the TV (if possible) to an 8-foot ground rod driven into the earth, using flat metal braid (Belden 8660) to make the connections. Try tun-

ing the trap and see if it helps any. Might also put a low-pass filter on the CB rig if this isn't the kind of filter you mentioned; if your filter is in the antenna, try adding a line filter as well. If the harmonics can be kept from ever getting out of the CB rig's cabinet, your troubles will be over. But it will probably be a long hard fight to make this happen.

HOMEBREW ANTENNA DESIGN

I want to build a CB base antenna of $\frac{5}{8}$ wavelength. I understand this is the best for 11-meter results. I realize the antenna cannot make the man-made structure 20 feet higher than it already is. No problem there; I would still have a foot to play with. As you can see in my drawing, everything is cut and bent in wavelengths. No grounded radials would be needed because of the flat metal surface of the trailer roof. However, the antenna itself would have to be insulated from this. My reasoning for this antenna is if a beam with more elements can do a better job in only one direction, why can't a vertical omnidirectional antenna with more elements do the trick? I was told this will not work because it is not matched and would not have a 50-ohm impedance. If this is true, what, if anything, can be done to correct it—or is it just a waste of time and money to go past the drawing board? Let's hear from your engineering staff and maybe get some readers' comments on home brew antennas that work.

—G. DeV., Forestville, Conn.



You've done a lot of good reasoning and planning here, but I'm afraid it's not going to do just

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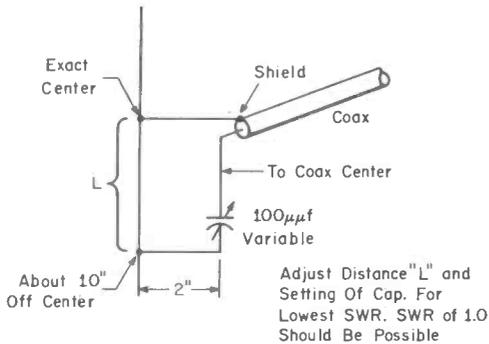
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THIS MONTH'S BRAINWASHING: *Subscribe!*

July 1965 • 31



Gamma Match Details

what you want it to. If you feed it as the center (roughly) with a modified gamma match as shown in my sketch, you can easily make it take power from 50-ohm coax, so the matching isn't a problem. But a structure of this type just won't get the gain you're expecting. The beams get their gain not so much from the number of elements as from the spacing between the elements. In fact, I have taken a 4-element beam built on a 20-foot boom and changed it to a 3-element (by increasing the spacing between elements) at the same 20-foot total length—and the gain went up instead of down! And in your design, there's almost no spacing at all—hence little or no gain. Another fine point that might create troubles is that to the radio wave, this structure will look

like one solid piece of metal instead of five separate elements. If you imagine a pair of ice-cream cones joined together at the points, and made of metal, you'll have a picture of the true "conical" antenna—and that is what your design will look like to the radio wave. This is a fine antenna for many uses. For instance, once matched it would probably have the same low SWR over the entire band and quite possibly for a megacycle or more on either side! But gain it hasn't.

Sorry to have to discourage you; I do think it's well worth experimenting with, but I would build the pilot model out of 1 x 2 lumber with aluminum wire strung on its surface, rather than from expensive aluminum tubing, to find out how it would work. You could be right and I wrong—it's happened before!

NEEDS PORTABLE CB RECEIVER

I am trying to locate either a schematic or an adaptable piece of equipment. I hope that you can help me. What I want is essentially a portable (battery operated) CB receiver. I want an integral telescoping antenna, connection for external DF loop, shoulder strap, option of crystal or variable tuning, S-meter, battery-test circuit, squelch, ANL, small size (cigar box or less), and light weight. Can you give me any guidance or information that would help? Thank you.

—B.E.G., Ft. Ritchie, Md.

Continued on page 35

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and See the
Difference



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FS-23
CITIZENS
BAND RADIO**

**23 FREQUENCY
SYNTHESIZED CRYSTAL
CONTROLLED CHANNELS**

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REVOLUTION IN CB BASE ANTENNAS

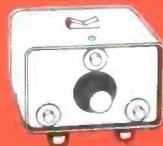
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The Unique New Model M-119
Electronic Sector-Phased
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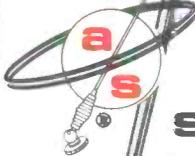
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TALK POWER

TALK POWER

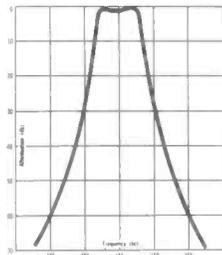
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That's just the improvement this mechanical filter will make in many cases—and for less than \$7 in O. E. M. production quantities!

Tailored especially for CB use, this unit gives you selectivity of 6 kc @ 3 db and 20 kc @ 60 db, particularly important in the face of overcrowded and overlapping CB frequencies. The electrical and mechanical stability inherent in all Collins filters comes with it, too, along with freedom from ageing, breakdown or drift that often accompanies extreme temperature or long, continuous service.

For complete information on this new CB mechanical filter, contact Components Sales Department, Collins Radio Company, 19700 Jamboree Road, Newport Beach, California. Telephone 714-549-2911.

Low cost sideband and mobile FM filters also available.



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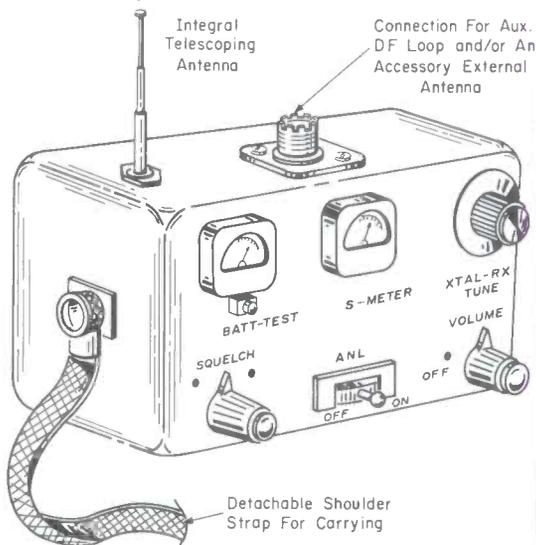


COLLINS RADIO COMPANY
 WORLD HEADQUARTERS / DALLAS, TEXAS

KYLE'S KORNER

Continued from page 32

Don't know of any commercial gear that fits this description, and of course as I've said before I can't turn out complete designs in this space. However, I'll pass along a few ideas which you may be able to follow up. You could take one of the little pre-built BC-band transistorized tuners



such as Lafayette's 99 G 9040 (\$7.95), add a converter out front of it (Vanguard model 300A, \$10.95 from Vanguard Labs, 190-48 99th Avenue, Hollis, N. Y., Department H-5), and any kind of transistorized audio after it, to build up what you are looking for. The ANL and squelch would have to be added to the 99 G 9040; I have somewhere in my files a tried-and-proven circuit for doing this, which also includes an S-meter, but I can't find it right now. I'll keep looking; you'll have a lot to do getting everything packaged anyway. Write me again when you're ready to make the modification, because I have no facilities for keeping the questions on file and have to toss them out, once answered. Okay?

Which brings us to the end of the line for now, except for a couple of antenna questions which are of the recurrent variety and which I'm saving until next month, with hopes of taking up a good bit of space giving dimensions and other specs on several types of beams and other antennas.

If you have a question, let me know. I'll get you the answer if I can—and if I can't do that, I'll at least give you my sympathy. About the only thing I can't do for you is to give a personal reply—there's just not enough time in a month to handle all the questions direct and make a living too.

Send your questions (a postcard will do nicely if the question is short enough to fit on it) to me in care of S9, 14 Vanderventer Avenue, Port Washington, L. I., N. Y., zip 11050. Then all you have to do is wait! See you next time . . .

S9



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You get the unique, all-silicon transistor design, which generates very little heat, allows continuous operation in hot or cold weather, and cuts battery drain to a new low.

Exceptional performance. The Pace 5000 gives dependable communications to 20 miles. With its high receiver sensitivity and double noise limiting circuits, unit provides excellent reception even of weak signals.

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The Pace 5000 is in-house tested . . . 24-hour life tested . . . checked out 100%. Compare it and you'll agree that it outperforms any CB set on the market. Send for Bulletin 5000. Price: \$250. Available through authorized Pace distributors.

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You'll want to keep this sleek chrome and charcoal epoxy finish beauty right at your fingertips. Puts a new dimension in personal or professional car convenience . . . or does a workhorse job on the farm tractor, jeep, boat or pick-up truck. Only Kaar . . . a division of one of the world's largest communication equipment companies . . . can give you so much for so little—and back it up with a 2 year guarantee.

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CHANNELS (no limit on channel choice)
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 6 pack crystals (for Channels 10 - 11 - 12 - 13 - 14 - 23) **19.95**
 22 pack crystals — all 23 channel operation **69.95**

FCC STATION LICENSE REQUIRED. ALL USE MUST CONFORM WITH PART 95, FCC REGULATIONS. HOBBY TYPE COMMUNICATION OR AIRLESS SMALL TALK PROHIBITED.

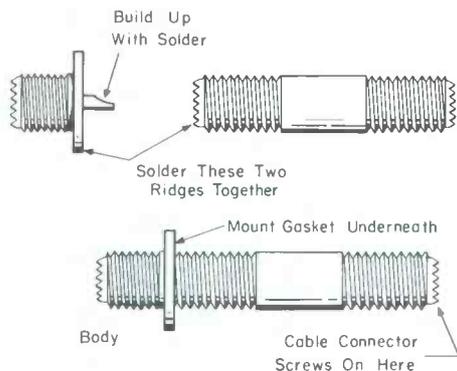
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THE COAX



by J. W. PETERSON

With the trend of many manufacturers incorporating a coax type of mounting known as a PL-259, there seems to be a lack of a good body mount to mate with this kind of an antenna for a neat installation. A good example of an antenna is the one featured in your S9 LAB REPORTS on the TOROID TENNA in the NOVEMBER 1964 issue.

I have one of these TOROID-TENNAS on my car, and as a salesman of CB equipment I use this simple method of mounting just such an antenna.

Many manufacturers like the AMPHENOL Co. make a complete line of various connectors for in-line applications. It is here that we will make a good solid mount that will work in almost any job installation.

The SO-239 offers a part of the solution to a suitable antenna mount as most of us know, but it means an open soldered connection in which strange things can happen, and this type of use is not desirable. The thing we are looking for is a good solid COAXIAL fitting

at both ends instead of only one.

In the illustration below, there is three parts when assembled offer a low profile with a good sturdy base that can be mounted anywhere in an upright position on a car.

The items needed to make this mount are: one SO-239, one PL-258, and a suitable gasket made to a pattern of the SO-239 for weather sealing.

Take the SO-239 and on the open end, build up the center conductor with solder so you can make a press fit to either end of the PL-258. Coat this connection with some Silicon grease and press or insert the center conductor of the SO-239 into the PL-258. Now drop a bead of solder around the outside where the two connectors come together to make one solid fitting. Take a file and remove the excess solder around the outside to keep as close as possible to the outside diameter for dropping through a $\frac{1}{8}$ " hole.

S9

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FROM**

EICO

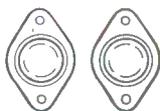


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All crystals provided for 23 crystal-controlled transmit & receive channels!

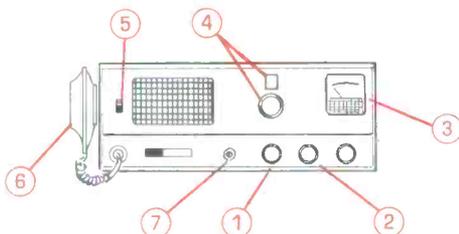
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Transistorized
12 VDC & 117 VAC
dual power supply
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Rugged 5-watt CB transceiver with "space-age" 23 channel frequency synthesizer. Gives you bullseye two-way communication in both fixed and mobile locations with equal ease. At your dealer now, the EICO Sentinel 23 is the new CB rig with every wanted and useful feature!

- Super-selective dual conversion superhet requires only 1/4 uV for 10db S/N.
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- Effective automatic impulse noise limiter, wide-range AGC.
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- 4 Single knob channel selector with illuminated dial.
- 5 Converts to 3.5 watt PA system with remote speaker.
- 6 TURNER 333 noise-cancelling ceramic p-t-t mike.
- 7 Headphones/external speaker jack.
- Scuff-proof textured blue vinyl finished steel cabinet.
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- Black anodized, machined aluminum knobs.
- Convenient mobile mounting brackets.

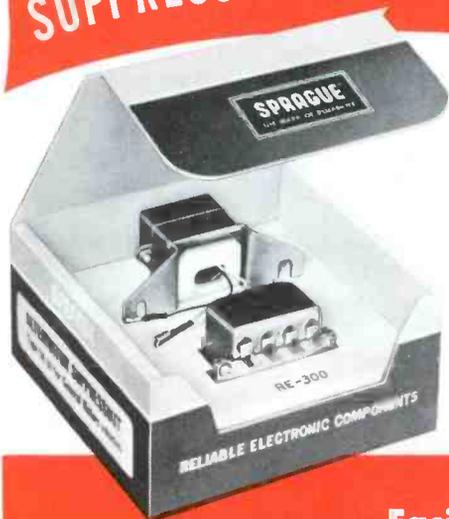


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★ Designed to fit most newer vehicles through the 1965 model year. (for older vehicles, see the SK-1 Suppressikit, below.)

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35-5100

KBG4303 RIDES AGAIN

Continued from page 7

the express permission of the CB'er who made the transmission. To do so would invade the privacy of the CB'er and impinge on his legal right to the secrecy of his communications. In the eyes of the law this is the same as if one CB'er had tapped the telephone of the other.

2. The FCC rules will permit members of specific clubs to perform monitoring duties, however, they may monitor only other members of the club who have specifically requested to participate in a program of having their transmissions monitored for such purposes. This does not imply any FCC endorsement of the club or the persons doing the monitoring.

3. The FCC does *not* take official action against a CB'er when it has as its *only* guide 3 (or 3,000) privately issued "monitoring violation notices." The station would have had to have been monitored by a regular FCC operated monitoring station.

4. A CB'er who receives a non-FCC monitoring notice against his wishes could file a complaint with the U.S. Department of Justice against the person or persons who sent the notice. The government could ultimately take action against the senders under the antiwiretapping laws. Maximum penalties could bring a \$10,000 fine, 1 year in jail, or *both* (Section 501 of the Communications Act of 1934, as amended).

5. It is *not* reasonable to assume that, even under a so-called "authorized" intra-club monitoring program, the persons performing the monitoring could be doing any more than giving their personal opinion as to whether, and to what extent, a CB'er was operating improperly. The FCC rules regarding CB operation leave a lot to interpretation and the imagination and, in some instances, even FCC people in different areas have given conflicting interpretations of specific sections of Part 95.

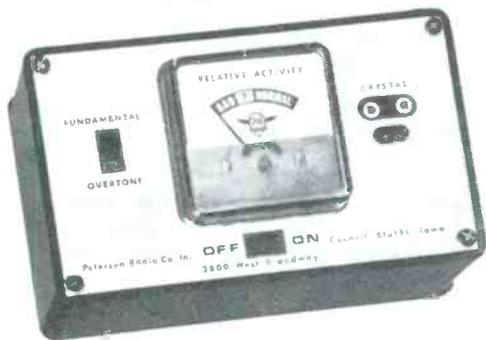
Regardless of the foregoing, the self-appointed *Junior G Men* continue to issue forth a barrage of these worthless, but official-looking, notices. As is usually the case, to avoid Federal prosecution, they hide behind a cloak of anonymity by signing neither their names nor callsigns.

As a matter of fact, *some* form of self policing might not be a bad idea, however this is *not* the answer. A good deal of the time, those who receive the violation notices are bearing the brunt of someone's personal vendetta and have done nothing to actually deserve such a notice.

Let's stop this greasy kid stuff. If there needs to be monitoring, let the FCC do it, or let the FCC come up with an alternate plan. Taking the enforcement of federal regulations into our own hands without being asked is *not* the solution to the problem.

S9

Are Sluggish Crystals Spoiling Your Fun?



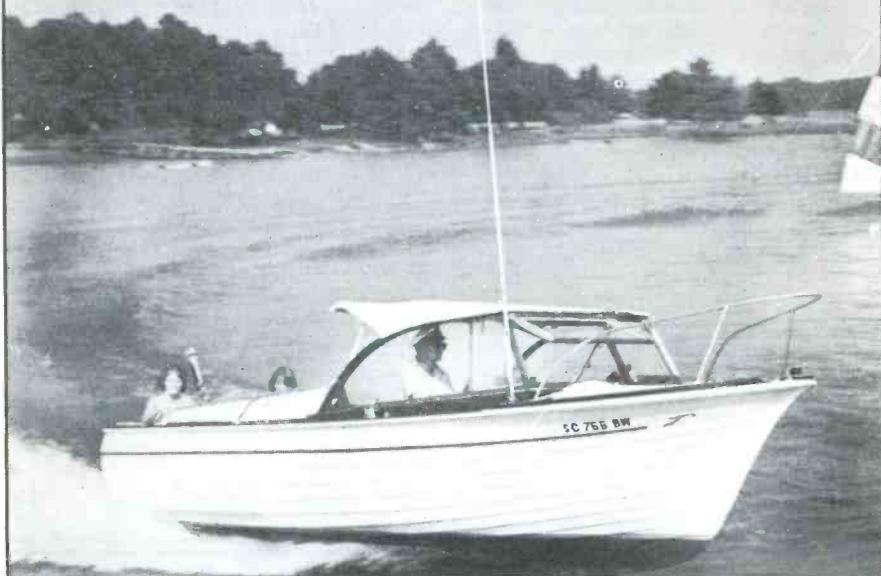
CB CRYSTAL ACTIVITY CHECKER—Less Battery, \$24.95 Net

Checks activity of 13 Mc. fundamental and 27 Mc. overtone. Single function switch for fundamental or overtone mode. Meter is calibrated to read according to crystal performance, under normal operating conditions. (Mil Spec's). Silicon transistor oscillator circuit, for higher stability and performance and wider temperature range. Simple scale readings—"BAD", "?", "NORMAL". Handy for selected crystals for comparison. Has two sockets for crystals with .486" or .192" pin spacing. Black bakelite case with bright metal top. Length 6¼", width 3¾", height 2½". Uses 9-volt battery. Weight 19 oz.

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WONDERSHAFT . . . the CB antenna



that belongs on your boat!

When communications are an important part of your boating pleasure, you and your boat deserve a **WONDERSHAFT**.

Tested under the most rigorous of all water and climatic conditions found in the U. S., **WONDERSHAFT** marine antennas proved to be thoroughly at home.

Enhance the beauty of your boat and give yourself the bonus benefits of WonderShaft's **all** fiberglass construction — safety of natural insulation, resistance to corrosion and long lasting good looks.

Add to your boating pleasure with a **WONDERSHAFT** !

Photo: Style 72-1 — a 2-section, free standing Wonder-Shaft antenna with chrome plated brass fittings. Ideal for the run-about boat.



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WASHINGTON OUTLOOK

• The following CB'ers received "Show Cause" notices from the FCC:

KBA8604, Daniel J. Langlois, d/b/a Langlois Trucking, Cape Elizabeth, Me.

KLK8061, Clarence M. Leslie, d/b/a Discount TV Service Co., Louisville, Ky.

KEA2351, William B. Driver, N. Little Rock, Ark.

KKM2576, Arnell M. Thurman, College Park, Ga., for repeated violations of rules 95.81(a) (nonpermissible communications), 95.87 (failure to properly identify station), and 95.81(f) (failure to follow transmissions by a two minute silent period).

KGC2091, Edward Bruce McInturuff (alias Edward B. Johnson), Casper, Wyo., for making false statements of fact on his application.

KHI4697, Wayne Phillips, Dayton, Ohio.

KGC1578, Wayne A. Schoolcraft, Tacoma, Wash.

KFA0783, Thomas L. Michaud, Compton, Calif.

KLK7610, Floyd O. Whitcomb, Davenport, Iowa.

KLN8718, Barron H. Hoffar, Dearborn, Mich.

KDI2461, Paul K. Ballard, St. Petersburg, Fla.

KDH0220, Marguerite Anderson, Hollywood, Fla.

KKM7224, Frank Grive, Jr., Montgomery, Ala.

KBA3326, Harold Haines, Presque Isle, Me.

KKR5463, Precision Homes, Inc., Saraland, Ala.

• The following CB'ers had their licenses revoked by the FCC this month:

KIC2710, Donald J. Jones, d/b/a D. J. Radio and TV, Buffalo, N. Y., for repeated failure to respond to official notices concerning failure to identify station.

KFA1203, Wesley P. Miller, Anaheim, Calif., for failure to respond to official notices concerning operation of station with excessive frequency deviation and use of nonpermissible communications.

KFD1188, Robert L. Connolly, San Mateo, Calif., for repeated failure to respond to official

notices concerning alleged violation of 95.45 of the rules by operating station with excessive frequency deviation.

KKI3578, James Washington, Baltimore, Md., for operation beyond authorized frequency tolerance.

KID4055, Joyce Pisciotti, Wolcott, N. Y.

KEJ4557, Leon H. Jackson, San Diego, Calif.

• These operators received notices that they owned the FCC \$100 for rule infractions:

KKV4537, Larry Bradshaw, Denison, Tex., for repeatedly operating beyond permissible frequency tolerance.

KLP8372, Owen K. Wardner, Victor, N. Y., for nonpermissible communications.

KDI1946, John Hedry, Hialeah, Fla., for nonpermissible communications.

KLK9098, Albert M. Benson, Jr., Louisville, Ky. for nonpermissible communications.

KFJ6055, Guy W. Phillips, Spokane, Wash., for operation on unauthorized frequency.

KHA2030, William S. Joyce, Louisville, Ky., for nonpermissible communications.

KLK9677, John R. Shumake, Louisville, Ky., for nonpermissible communications.

KKK1432, Francis R. Copeland, Ellsworth, Me., for nonpermissible communications.

KHC2486, George C. Coyle, Louisville, Ky., for nonpermissible communications.

KLP2179, Clyde Hauck, Rochester, N. Y., for nonpermissible communications.

KIC1896, Allan A. Fisher, Rochester, N. Y., for nonpermissible communications.

• These CB'ers had their \$100 fines reduced to \$25:

KKP2775, Edward M. Wahrhaftig, Miami, Fla.

KHH0744, James D. Blake, St. Clair, Mich.

KEB1900, Thomas E. and Katherine Wood, d/b/a Multi-Copy Printing, Jackson, Miss.

KFA9933, Lincoln B. Simmons, Los Angeles, Calif.

KKX3435, James H. Bruce, Huntington Beach, Calif.

Continued on page 67

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THE SWL SHACK

BEST BETS FOR LISTENERS ON THE DX BANDS by RICK SLATTERY



Here's a photo of S9'er John D. Vicker, KLF0875, of Wisconsin Rapids, Wis., at his combination CB/SWL shack. He monitors police and fire frequencies on a Motorola receiver, plus regular shortwave on a National SW54 receiver. He says that he digs "all AM and FM bands." The CB rig is used mainly in conjunction with the Wood County Rescue Squad, of which he is an active member.

Here is a big batch of shortwave listening tips for this go-round. All times are in EST 24-hour clock:

Radio Australia, Melbourne, at 2330 on 15240, 17870, and 21540 kc/s; *Radio Accra*, Ghana, at 1230 on 17910 kc/s; *Radio Sweden*, Stockholm, at 0900 on 17840 kc/s; *Radio Nederland*, Hilversum, at 1117 on 15425 kc/s; *Radio New Zealand*, ZL4 on 15280 kc/s (also 15110 kc/s) from Wellington at 2350; *Radio Ankara*, Turkey, 15195 kc/s at 1230; *Radio Norway*, Oslo, on 15175 kc/s at 1100; *Voice of Denmark*, Copenhagen, Station OZF7 on 15165 kc/s at 0700; *The Voice Of The Andes*, Station HCJB, Quito, Ecuador, 15115 kc/s at 1720 (don't let the Japanese language broadcast fool you); *Windward Islands Broadcasting Service*, St. Georges, Grenada, 15085 kc/s (also on 3280 and 11930 kc/s) at 1630; *Radio Malaysia*, Kuala Lumpur, on 11900 kc/s at 1855; *Radio Nuevo Mundo*, CE1174, San-

tiago, Chile, at 1900 on 11740 kc/s; *Radio Maroc*, Tangier, signing on at 1230 on 11735 kc/s; *Springbox Radio*, S. Africa, on 9720 kc/s at 0020; *Radio Tarapoto*, OAX9D, Peru, on 9710 kc/s at 2230; *Radio Nacional de Espana*, Madrid, 9675 kc/s at 1430; *Vatican Radio*, Vatican City, 9645 kc/s at 1950; *Radio Nacional*, OAX8C, Iquitos, Peru, on 9610 kc/s at 2230; *Deutsche Welle*, Cologne, W. Germany, at 1530 on 6145, 9605, and 9735 kc/s; *Radio Presidente Balmaceda*, CE960, Santiago, Chile, on 9600 kc/s, at 2030; *Radio Emisora Paranaense*, Curitiba, Brazil, 9545 kc/s at 2040; *Swiss Broadcasting Co.*, Berne, Switzerland, in English language program to North America on 9535 kc/s at 2015; an easy one to log is the *BBC*, London, on 9510 kc/s at 0000; *Radio Americas*, OAX4W, Lima, Peru, on 9455 kc/s at 2200; *Emissora Nacional*, Lisbon, Portugal, on 7130 kc/s at 0030; *Voice of Free China*, Taipei, on 6095, 7130, 9685, 11825 kc/s at 0540; *Radio Guarani*, Belo Horizonte, Brazil, on 6175 kc/s at 2320; *Far East Network*, Tokyo, Japan, heard very well on 6155 kc/s at 0400; *Radio Santa Fe*, Bogota, Colombia, on 4965 kc/s at 1955; *Radio Tropical*, YVKP, Caracas, Venezuela, on 4870 kc/s at 1900.

Take a look for Greenland, a rare country if there ever was one. They have been testing on 5960 and 5980 kc/s with a full thousand watts of power. Name of the station is *Greenlands Radio*, and the sked is 0530 to 0720, 1000 to 1105, 1530 to 2105 (Sundays at 0630 to 0730 and 1000 to 2105).

How about sending in some of those station activity reports, fellows? And don't forget the shack photos, we'll run all of them.



READERS' BONANZA!

TAKE YOUR PICK OF THESE GIFTS!

For some time now we have been offering all kinds of free goodies with new subscriptions and renewals, we vary them each month. But we always seem to get requests for bonus items which haven't been offered for several months and that sends the Circulation Department into a tailspin. So here it is, a grand round-up of all the various offers, tied in with an exciting offer for you to get several of these things **FREE** with your subscription or renewal.

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

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

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

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

BONUS ITEM #5 — Our new insanity, the KING OF THE BAND certificate; something to hang on the wall of your shack to let visitors know that you've earned yourself a place in the sun. You get your call letters lettered across the throne. Regularly 50¢.



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

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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 this month to the A.P.R.E. Staff are: Stanley McCullough, Jr., 20Q2785, 27 North Emily Street, Pittsburgh, Penna.

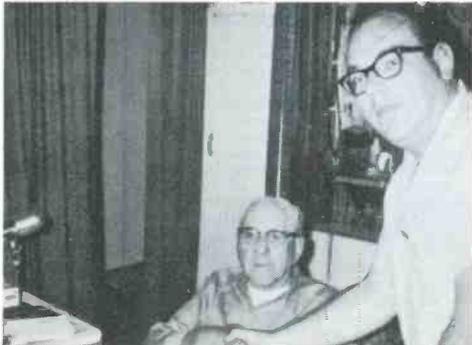
ATTENTION ALL CANADIAN A.P.R.E.'s

All future news media from Canada should be sent directly to S9, Club Editor, John F. Krejc, 60 Division Ave., Garfield, New Jersey. An entirely new Canadian column will be forthcoming under the direction of Mr. Krejc. For this consideration, many thanks.

WINNER OF S9's OLDEST ACTIVE CB'ER

Back in the February issue S9 Announced the Oldtimers Contest. We were looking for the oldest active CB'er in the country and have found one, only after several hundred applications, have we come up with the winner. Winner is William (Bill) Evans, 20Q1088, R.D. 1, Tapawingo, Confluence, Penna. 15424. Bill is 81 years young. Recently, Richard W. Long, KCF0986, Director of the Queen City 5 Waters CB Radio Club of Cumberland, Maryland traveled to the area of Tapawingo near Confluence, Penna. to present Bill, better known to many area CB'ers as "THE OLD MAN O' THE MOUNTAIN, 20Q1088, with a lifetime membership card in the Queen City Club. Bill recently purchased a Lafayette HB333 which he likes very much. He has 3 different antennae which enables him to cover a wide area of Penna., Maryland, West Virginia and parts of Virginia, from his location on top of the mountain above Cranberry Lake of which he is caretaker. CB'ers interested in exchanging QSL's should contact Bill at the above address. Bill monitors channel 11. Dick Long also mentioned that Bill's location is a vital link in two-way communications for that part of the country.

Included in the top 7 were the following: C. C. Carrier, KHE1174, age 79; Annie (Grandma) Graham, 7Q1117, age 78; Frank Sjolander, KLH4193, age 73; Marion Wade, 18B-4102, age 75; Cecil McFadden, K1D0182, age 64; and last but not least is Bob Curths, KLJ8711. All 6 semi-finalists will receive 1 year free subscriptions to S9.



Pictured above is the winner . . . Bill Evans, 20Q1088 on the left, Bill is congratulated by S9, A.P.R.E., Dick Long, KCF0986.

**SPECIAL GUEST STORY BY S9,
A.P.R.E., PAUL SCHONSTROM, KLE2450**

Recently, a massive search was touched off when word was received that a man and woman were stranded in arctic-like weather in an isolated area northwest of Colorado Springs, Colorado. Apparently, the couple had driven into the area on a balmy Sunday afternoon, just before the heavy snows and below zero weather broke over the area. The couple was not the only persons trapped by the blowing drifts of snow, three boys from near-by mountain communities had also driven into the area to go to target shooting. The boys made a temporary camp and built a fire for warmth to spend the night while over 8 inches of snow fell. It is not known how the couple spent the night.

Monday morning, the boys began walking out when it was discovered that their hoodless truck's ignition was too wet to start the engine. Having been in the area many times, the boys were not concerned over the situation, and began a long overland trek toward a ranch they new of a few miles distant. Within a few hours, they had come across the couple, who had also begun to struggle out of the snowy back country, but due to the cold from the night before, were traveling very slowly and were in a weakened condition. The woman was unable to walk very well, and the oldest of the three boys carried her until he became exhausted. The other boys had been breaking a trail in the deep snows for the man and the older boy and his burden. They covered less than two miles in that many hours, and were still many miles from the nearest help.

In the interim, police and county officials had been notified of the boys absence that morning. It was known where they had gone, and it was also known that they were very good woodsmen, however, in view of the snows and extreme cold, a search party was soon organized under the direction of county officials, and U.S. Forest Service personnel. A few members of the Pikes Peak CB Radio Club, who owned 4 wheel drive vehicles were unable to work that day due to the weather, and were soon moving toward the search area, while other volunteers from the mountain communities also moved toward the scene from other directions. The going was slow, and rough, and not much ground could be covered, even in the jeeps. Many times searchers had to turn around and come back to return via another route due to the deep snows.

Some time around ten o'clock that morning, the boys realized they would never reach any help in time, traveling as slowly as they had to. They made a protected spot for the couple, wrapped them in blankets, and went on for aid. Shortly before noon, they were found by searchers who had come in to the area from the ranch they were heading toward.

Snow had begun to fall again, and the wind had come up, further hampering rescue conditions. Again, searchers had to turn around and try again from another place—by six that evening, searchers were still 10 to 15 miles from the vicinity of the couple, and snow was still falling. By this time, many more people had joined in the search, and more specialized equipment was being rushed to the scene. The American Telephone and Telegraph Company was rushing a snow weasel in from the north, and a bulldozer was being brought up from Green Mountain Falls, a few miles west of Colorado Springs in the mountains, to the town of Woodland Park, the center of operations. By eight that night, more than 300 persons were struggling, striving to reach the couple before much more time went by, knowing the woman was in very poor condition, and fearing more snows, which had stopped in the mean time.

An hour later, members of the Mountain Airs CB Radio Club rescue team had been notified by police that a radio relay net was needed—the bulldozer had finally broken through the worst of the snows and was beginning to make headway—and a radio was desired by officials to follow him into the woods. Within twenty minutes, the team was

IN MEMORIAM

April 4, 1965, S9, Area Public Relations Editor, Philip R. Nelson, 16Q1077 was killed in an automobile accident. S9 wishes to extend the deepest sympathy to the Nelson family in their hour of grief. To his family and friends, we say thanks—for having the opportunity to cross life's path—meeting a devoted and dedicated person. S9, Club Editor.

in Woodland Park, setting up a base station, and other units with 4 wheel drive, were catching up with the bulldozer. The Mountain Airmen were soon joined with members of the Pikes Peak Club, and members of the 4 Wheel Drive Club, who also use CB in their jeeps, and who had been in the vicinity for several hours. As it became necessary, units dropped out of the line of march to act as relays, to pass messages and information on the progress made. Other units were deployed between Colorado Springs and Woodland Park for relay capabilities, and many base stations in Manitou Springs, Colorado Springs, and Monument Lake stayed open to help in any way. Calls came down for additional clothing for searchers, food, coffee, a request for an ambulance to come to Woodland Park and stand by. All passed on the CB emergency net.

Members of the Mountain Airmen Ladies Auxiliary manned base stations when the men became weary, made coffee and sandwiches; and other members of the club transported the needed items to Woodland Park for distribution. A CB'er, who is also a CAP pilot, was standing by to fly in food, blankets, and other supplies at first light if searchers could not reach the stranded victims. But, at two A.M., Tuesday, they were found. The woman had died of exposure, but the man was still alive, though suffering from frost bite of the legs. One life was saved—and perhaps the conditions the people had to work in, it is amazing, very amazing, they could have been found, in all that drifting snow, at all. Did CB really help in this situation? It wasn't the primary help—but it was needed, it was requested, and it was there!

TORNADO AND FLOOD DISASTER REPORTS

On April 15, 1965, at about 5:20 P.M., a tornado touched down on an area just north of the Cleveland city limits on U.S. No. 11, resulting in considerable property damage with no one seriously injured although approximately fifty persons were examined and treated at Bradley County Memorial Hospital, Cleveland, Tennessee.

Lester Kendrick, 6Q3317, a member of the Cleveland Citizens Band Club, Inc., Cleveland, Tennessee, and also a resident of the stricken area had prearranged plans to go to Florida for the week-end. Seeing that bad weather was moving in, Kendrick rushed his family and luggage into the car and had moved only a block from home when the tornado struck. Upon glancing about and seeing buildings shattered and power and telephone lines lying on the ground he realized the immediate need for help and placed an emergency call on his mobil unit, all of which was only seconds after the impact.

Jack Bachelor, KDD2514, a fellow club member, answered the emergency call from Kendrick at his base station and called the local police and requested all available ambulances and Civil Defense to proceed to the scene. Bachelor then served as control point for the operation. Officers and other members of Cleveland Citizens Band Club, in cooperation with Civil Defense and law enforcement agencies set up on U.S. No. 11, one of the busiest highways in Tennessee. This vigil was carried out until approximately 11:30 P.M., at which time the Tennessee National Guard was placed on the scene by request of Bradley County Sheriff Sam Cannon and Civil Defense Director Morris Greene.

We maintain that CB'ers were "first" in this instance, as happens many times, and it is believed that the public has begun to realize that the fellows who have "fishing poles" on their cars can be of real public service in any emergency, and that too often too little or perhaps no credit at all is given to these fellows who so generously and unselfishly spend time, money, and work hard to be of service to their community and fellow man.

The members of the Cleveland Citizens Band Club, Inc. are thankful that miracles do exist, otherwise there would have been many deaths as a result of this storm which totally demolished some of the homes in the stricken area.

Mr. Lorin Allen, Director of Civil Defense for Ramsey County, Minnesota, has long been an advocate of the use

of CB radio in emergencies. He has dubbed this activity "Instant Communications."

As the waters from the swollen Mississippi and Minnesota Rivers converged on the City of St. Paul, Minnesota, it was apparent that the bridges over the Mississippi in St. Paul might sustain damage from oating debris, loose boats, storage tanks, etc.

Mr. Allen was requested to assist in the establishment of a warning system for instantaneous closing of the bridges should they be weakened or damaged.

This request was received at 7:30 P.M., April 13, 1965. What do we use for communications? Allen's answer: CB RADIO.

At 8:45 P.M. that evening the bridges were manned with CB mobile rigs and walkie talkies with the county CB station KLF3244 in operation.

The operation consisted of city bridge engineer personnel stationed on the center of each bridge to watch for floating debris that might endanger the bridges. These bridge watchmen were provided with walkie talkies. Stationed at each end of each bridge was a Civil Defense policeman and a CB volunteer with a mobile rig for the purpose of closing the bridge on the request of the watchman.

All this communication was tied in to a base station in the City Engineer's office in the City-County Courthouse. This system was operated on a 24-hour basis for a period of seven days. It proved most effective solely because of the efforts and equipment of the volunteer CB radio operators.

NORTHERN

The Moby Dick Communications Club consists of over 60 members. Elections were held for officers recently and voted in for President was Manny Arruda, KBD4267; Vice President was Gilly Leonardo, KBC-4403; Secretary was a husband and wife team, both Corresponding and Recording Secretary was taken by Dick and Jane Huffington, KKA5918 who mail out the minutes and do a terrific job in club correspondence. Treasurer was Ed Roderick, KBC9560; Radio Officer was Jimmy Souza, KKA6232 and finally handling the publicity is Steven Kaplan, KKA9788. We were called on to cover the 18 mile Eagles Road Race around the New Bedford area on March 21st, and there were 8 mobiles covering the spots. A plaque was presented to us in return for covering and doing such a good job with the race. Meetings are held every other Monday at 8:00 P.M. at the Legion Hall in nearby Fairhaven, Mass. Main monitoring stations are 9 and 11. Any out of town mobile passing through New Bedford this summer on the way to Cape Cod or Providence give a shout on 9 or 11.

Lawrence County CB Radio Club Inc., P.O. Box 404, New Castle, Penna. 16103. 1965 officers are President Joseph Matteo, KID4705; Vice President, Robert Kerber, KID2998; Secretary, Bertha Gurgacz, KIC0560; Treasurer, Donald Matteo, KLP1138; Trustees Elmer Foster, KIC4936; Toh Thompson, KLP3107; John Masters, KIC6666.

Meetings are held first and third Wednesdays of the month at 8:00 P.M. at the Casa Savoia Club Hall.

We are now up to 50 members, at the time of this writing, and growing every month. There is also going to be an Emergency Unit, which is now in the planning. We also publish our own club newspaper, once a month.

The Wawenock Trailblazers CB Club was officially incorporated by the State of Maine as of Thursday, March 25, 1965 and henceforth will be known as the Wawenock Trailblazers, Inc John Gaecklein, President, KBA0293; Earl Pratt, Vice President, KBD0303; Edward Childs, Secretary, KBD1255; Harry Gray, Treasurer, KKA2374; Alice Gray, Steward, KKA2374. The purpose of this organization, is to furnish 2-way radio communications, if requested, at no cost, in case of electric power or telephone interruptions, caused by an emergency or disaster. At present this organization has thousands of dollars worth of privately owned 2-way radio equipment consisting of base stations, with mobile and marine units, plus walkie talkies, all licensed by the FCC (Federal Communication Commission), an agency of the United States Government. Meetings are held on the first Monday of each month.

A missing seven year old Warren boy was found asleep in a barn loft about six miles from his home. After 9 hours search by Warren police and rescue squads, as well as Warren and Bristol CB groups and many others. (R.I.)

The search began at 3:30 P.M., ended shortly after 11:00 P.M. A neighboring town Police Lt. Michael Vendituoli remembered having seen a boy of the de-

scription playing with two horses in the area. A check by Sgt. Albert Pezzulo found Thomas Perry.

At a recent meeting of the Nassau-Suffolk REACT Rescue Team Number One the following officers were installed: President, Paul Drattell, KMD0435; Vice President, William Ohlau, KMD0573; Secretary-Treasurer, Gary Epstein, KKD6257.

The Pine Tree Five Watters Citizens Band REACT Team held a practice rescue mission in conjunction with the Boy Scouts Troop 15 of Brewer Frederick Olsen, Sr. Scoutmaster. Two Scouts were located four miles in the woods near McCarrs Swamp and the team began operations at 1330 hours. At 1630 hours the mission had been successfully completed with no mishaps or injuries. Those participating were Fred Sudsbury, Brewer KKB0877. Gilbert Colson Brewer KBC-0830. Philip Spreague Bangor, KMA1884, Edward Millett, Jr. Bangor, KBC0238, E. Timothy Millett Bangor, KBD1795. Scouts, Brent Colson, Kerry Dalton, Denis, Fred Olsen, Jr.

April 27, 1965, Albert Prisco, 255 White Plains Road, Mineola, N. Y., driver of the Franklin Square Transit Mix Co. of 1824 Gilford Avenue, New Hyde Park, was traveling west on the Long Island Expressway when he was cut off by a passenger vehicle and turned over. Two cars behind was Vincent Collura, KBG4758, who upon seeing the accident, took decisive action. He gave a distress signal on his rig which was picked up by KMD1269, Chet of Bayside and within 7 minutes, the police and ambulance were on the scene.

During the interim, Vincent Collura, with the help of other motorists, pulled the driver from the overturned truck. This deed plus quick thinking and the aid of CB played a tremendous part in keeping a man alive.

The Borderline CB Radio Club started as an informal gathering of about 50 local CB'ers, 1½ years ago and have developed into a club of 80 strong which encompasses parts of Southern Vermont and parts of New York State. President, Carl Benjamin, Jr., KKA-4951; Vice President, Stuart Brownell, KLP5995; Ken Thompson, KBC7964; Treasurer, Cathy Brownell, KID-9371; Secretary, Lilah Thompson, KBE0270.

Up here in Rochester, N. Y. in the Finger Lakes Region most all of the CB clubs are planning some sort of activity for the summer months. The Citizens Radio Club of Rochester seems to be moving along with great plans for the year. One noteworthy thing is that this club has taken over the co-sponsorship of an Explorer Post (310) of the Boy Scouts. This post is strictly communications and uses the 11 meter band. The Scouts of this post have built a trailer and can set it up in minutes and be on the air to help in any emergency. 73's to the club and Explorer Post 310, of the Seneca District.

The newly formed club to the west of Rochester, N. Y., called the CORK CB Klub, Chili, Orden, Riga Klub, shows great promise with the plans they are making. Ken Robinson, KIC5786 is President.

Recently organized and chartered is the Tri-Community Citizens Band Radio Association, Inc. with the following officers: President, Laurent McDonald, KKB-1058; Vice President, Raymond Renaud, KKA5263; Secretary, Richard LaFranchise, KKB3164; Treasurer, Peter Chenier, KKA0881.

The association meets on the first Sunday evening of every month and at present has a membership of 71.

We are having our first Jamboree in June 1965, Sturbridge, Mass., anyone wishing information may contact the secretary at: P.O. Box 383, Southbridge, Mass. 01550.

Few people realize it but in the Allentown area is an organization—known as the 5 Watters—which is dedicated to community service.

This group of 30, while social in nature, was organized for the purpose of aiding anyone in distress.

The members operate on a radio citizens band and modes of communication include base, mobile and walkie-talkie transceivers.

The president of the group is Robert Martin and meetings are held in the Civil Defense building, 13th and Sumner Ave. Meetings are held the second Monday of every month throughout the year.

Martin points out that members are able to function at the scene of a serious accident or any type of emergency. Through the use of their radio equipment and speedy communication.

The emergency might be a motorist in distress, a house in flames, a traffic accident.

Should a member of the 5 Watters pass such a scene he could quickly summon aid through his transceiver and thereby do the community a great service.

Martin emphasized: "The purpose of the 5 Watters



organization is to supplement and strengthen the gap between law enforcement agencies and the layman."

The 5 Watters will mark their third anniversary this October. In the organizational group were Loisann and Fred Orth, Miriam and Joseph Elliot, Janet and Victor Snayberger, John Semmel, John Schaefer, Kenneth Swoyer, Fred Schmidt, Betty and Marshall Conner.

Members of the local unit include service station operators, insurance men, printers, clerks and others in varied walks of life. Eligible to join are persons with Citizens Band transceivers who are duly licensed.

Bristol, R. I. and members (guests) of Fallriver CB Club will control the Bristol, R. I. Fourth of July parade. Many of Bristol's club members will be with the National Guard that day.

Recently launched into the CB Club picture is the Fort Dummer Five Watters of Brattleboro, Vermont. President, Rex Burrington, KKA7026; Vice President, Ken Nichols, KKB2434; Secretary-Treasurer, Sonya Waite, KKA3022. Present charter membership is 52. The clubs meet on the second Saturday of the month.

Valley Airways CB Club holds their monthly meetings the 4th Sunday of each month at Mr. Clayton Lickener whom is their President. Always Alert, club motto. Vice President of the new reporting group is Bob Keene, KJI1966.

On January 1, 1965 on the Scranton scene appeared the new CB club called The Triangle Citizens Band Radio Club of America. The club has been very busy since its inception on Jan. 1st, what with forming the club and getting new members, writing a set of by-laws and a constitution. However, even though it was just formed and has but 25 members so far it still found time to work with the Endless Mts. CB Club on their just passed Spring Festival. At the festival the Triangle Club working hand in hand with the Midvalley Club operated a Hospitality booth which distributed free coffee and donuts to all CB'ers on the grounds. Also the Triangle Club is working on the placement of road signs along the main arteries leading into the city of Scranton. These signs will be very helpful to out of town CB'ers entering the city in that they will know immediately just what channel to monitor.

President, Andrew J. Sabol, Jr., KNP2518; Vice President, Harold Sutton, KNP1604; Secretary, Ruth Sutton, KNP1604/U2; Treasurer, John Oney, KLP-2831; Publicity Manager, John Sutton, KLP6319.

The toughest roots of America's strength lie deep in the heart of its community life. From our largest cities to our tiniest crossroads, the voluntary action of responsible citizen's groups, working in the public interest, characterizes one of the great blessings of an independent people—THE OPPORTUNITY TO HELP ONE'S NEIGHBOR.

R.E.M.C.O., Radio Emergency Mobile Communication Organization, the Waterbury Emergency Unit, a part of REACT which is a nationally-sponsored program designed for one purpose—to give citizens in your community the simple tools and organization with which they themselves can render most effectively this voluntary service to their neighbors.

R.E.M.C.O. is not a social group or a business association. Its only purpose is to provide clear and immediate local emergency communications and service if needed.

R.E.M.C.O. is a non-profit, non-political group of

individual citizens voluntarily banded together through the medium of citizens band two-way radio facilities.

1. To assist in all forms of local emergencies by furnishing instant radio communications.
2. To promote close cooperation with all forms of emergency radio communication in event of disaster.
3. To maintain and encourage operating efficiency through proper communication techniques on the air.
4. To operate and maintain equipment at peak efficiency and in accordance with FCC regulations.

R.E.M.C.O. does not replace in any way the organization of an existing club, nor does it interfere with existing routine. R.E.M.C.O. is simply a carefully planned emergency preparedness organization.

The Channel Masters CB Club of Portland, Maine held a most successful meeting at which Mr. Gerard Sarno, Asst. Chief Engineer of the District Office of the Federal Communications Office of Boston, Mass. was guest speaker. Mr. Sarno made two points of interest to all CB'ers (1) Clean your garbage off the air. (2) CB is a growing giant and if it gets to big and too dangerous it will have to be destroyed. Approximately twelve different clubs were represented at this meeting. The Channel Masters are to be complimented for the fine job done in hosting this large group, approximately one hundred were in attendance.

Sunday afternoon, April 25th, 2:15 P.M. climaxed a three week search for the body of Gary L. Bundy, 4, who drowned April 5th in the Sugar River near his home. The body was recovered nearly three hundred yards from the scene of the double tragedy in which Gary and an older brother, James, were lost.

Searches previous to this Sunday afternoon included members of the local Police and Fire Departments, Sheriff's Posse, Conservation Officers of N.H. Fish and Game Commission and volunteers who were members of Sullivan County REACT and the Twin State Five Waters, Inc. However, on this Sunday afternoon only volunteers of the Sullivan County REACT were available for the search. The body was discovered by Ray Bullock, KKA1844 in about five feet of water below the Broad Street Dam. After climbing out on an old iron bridge which lacks a oar to a point twenty-five feet from shore, Bullock saw the lad's body held at the river bottom by rocky ledges downstream from the bridge. He then summoned the aid of the REACT members to hook a line to the drowned child. The local authorities launched a boat from shore to complete the task of recovering the boy's body.

The Sullivan County REACT Club was organized early in 1964 to augment local search, rescue and emergency operations. Future plans call for securing additional emergency and communication equipment.

CENTRAL

Recently, the Hamilton Radio Emergency Associated Citizens Team filed their articles of Incorporation with Secretary of State, Ted W. Brown, Columbus, Ohio and now are known as Hamilton Radio Emergency Associated Citizens Team, Inc.

Northwestern Indiana Citizens' Radio Association, Inc., % First Federal Savings & Loan Building, 3rd & Center St., Hobart, Indiana. Our present officers are: President, Herald Lee Gray, 665 Lake St., Hobart, Indiana. Vice President, Donald Mitchell, RR2, Hobart, Indiana. Secretary, Ernest Reeder, 1209 Garfield, Hobart, Indiana. Treasurer, Wayne Huhn, RR2, Box 145, DeMotte, Indiana. Sergeant-at-Arms, Ernest Stanley, 2610 E. 37th Ave., Gary, Indiana. Also included in our club management is a 7 member Board of Directors.

Crystal Wizzards Club of Muskegon, Michigan, held their regular business meeting. Attending also, was a visitor from Lansing, Michigan; Norm Smith.

In the order of new business, Ethel McPherson resigned her post as Chairman of Refreshments. Levina Murdzia, KH3084 was then awarded this post.

New members accepted into the club were: Robert Van Dyke, KHG3715 and Frank D. Royce, KHJ7727.

On display at the meeting were three types of Bridge Meter's. A new 23-channel Cobra and CB-10 Halli-crafter were also on display. Electronic Dist. of Muskegon gave permission to display Water Compreamp.

H.E.L.P. program was studied at the meeting. Information on this program furnished by A.M.A. and Electronics Dist. Inc.

Early Sunday morning, April 4th, all members of the Signal 8-11 Meter Radio Association were called to meet at the Greater Kankakee Airport. Word had been received that a woman pilot and her airplane were lost in the wilds east or northeast of Kankakee.

CAP members had been given the word and were mustered out of Chicago to take up an air search.

J. Whalen, KHD4867; D. Nelson, KHC1936; and T. Allison, KBH1661 met with Col. Paul Stokesberry, Unit Director and offered the club's help. Col. Stokesberry outlined the CAP plans and told Whalen that any help that the radio association could give would be appreciated.

About 30 CAP members were used in planes. By noon, 20 mobile units of the club members were on the road to wild country.

T. Allison stood by on channel 9 with his base set, keeping in continuous contact with all units. By 6:30 that night, an area bounded by Kankakee, Illinois and Cedar Lake, Indiana on the north and Crescent City, Illinois and Morocco, Indiana on the south had been covered. Many hard miles were driven. Farm houses were stopped at and occupants were asked if they had heard a plane in trouble during the snow storm two weeks earlier. All contacts drew a blank.

B. Charbonneau, KHC9396; H. Charbonneau, KNJ-3231; and B. Cunningham, KLK2674 checked the Willow Slough area of Indiana. Seventeen hundred square acres of water and brush were searched in three hours with cooperation from the Slough officials in opening gates and showing the searchers the trails to follow. While there, they found out that Boy Scout Troop No. 49 from Brook, Indiana, under the leadership of Scoutmaster Rich Standish, took up some of the leg work at 15 boys headed into the tall weeds. No luck.

Monday morning a group of 4 headed out toward Route 41 and the Kankakee River with a boat and motor from Cal's Garage. Equipped with walkie-talkies, the boat headed up river for about five miles in a stiff wind and a steady, soaking rain. The entire river, including the bayous, was searched, but still no luck.

During the boat trip, a call was received that someone in the area north of highway 102, northwest of Kankakee, had heard what he thought to be an airplane in the snow storm of March 20th. J. Copeland, KLL0826; T. McMorris, KHD5623; and G. Hancock, KKK1077; aided by a CAP plane, conducted a search of that area and Limestone Township.

Thanks were extended to all the persons who helped both Sunday and Monday and to those who stayed off channel 9 during the steady tide of traffic needed to carry out this thorough but fruitless hunt.

The Central Iowa CB Club, Inc. held its annual election in February at Des Moines, Iowa. The membership elected as its new President, Ralph Sheets, KGI-7662; and re-elected the following 1965 officers: Vice President, Jack L. Doggett, KLI4994 and S9 A.P.R.E.; Sergeant-at-Arms, Angelo Cipale, KLI5796; and Secretary-Treasurer, Larry Mihalovich, KLI1880. Later President Sheets appointed the following officers: Emergency Co-ordinator, Bill Pennington, KLIH6044; Field Co-ordinator, Ted Hesselstein, KLI0477; Public Relations, Helen "Liz" Iiams, KGI7580. President Sheets also appointed the following committees: Auditing Committee, Gary Wood, KLIH9422; Dick Baker, KLIH8844; and Al Raines, 17W3182; Application Committee, Beverly "Bev" Pennington, KLIH6044; Gary "Wimp" Winterberg, KGI0538; and Peggy Reed, KLIH-5721. The Central Iowa CB Club, Inc. stands by on channel 9 and occasionally has a monitor on channel 11. The C.I.C.B. meets the 2nd and 4th Tuesday evenings of each month, and all visitors are welcome so if any CB'ers traveling through, or near, Des Moines, Iowa would like to swap QSL's and meet some friendly CB'ers just give a call on Ch. 9 and a CIBC'er will answer your call and direct you to our meeting. Have your coffee break with us. Free coffee and donuts. The Central Iowa CB Club, Inc. had monitored Ch. 11 until February 1965 and then voted to get behind S9 in promoting Ch. 9 as the national monitoring channel.

The Rock River Valley CB Club has elected its new officers for 1965, they are as follows: President, Irv Camp, KHB0004, Vice President, Val Malama, KLI-1570; Secretary, Rosemary Winter, KLI8499; Treasurer, Dick Snider, KHD, 9590; Board of Directors, Herb Reed, 18W3826; Lois Coffin, KLI0460; Pierre LaBounty, 18Q3647 and Russ Mathews, KHC1896. Printer, Dick Wolfe, KLI7343; Club News Exchange, Dick Colburn, KHD2584 and Magazine Correspondent, Lang Atwood, KHE1150.

The new address for The Rock River Valley CB Club is P.O. Box 793, Rockford, Illinois 61105. All correspondence should be sent here.

At the March meeting of the RRVBCB vandals went through the parking lot and broke off five antennas from cars belonging to club members. To date they

have not been caught but steps have been taken to prevent this from happening again.

A Fleet Courier has been purchased by the RRVCCB and installed in the Rockford Police Dept. They are monitoring channel 1, 24 hours a day for any emergencies that might arise. The Mt. Morris, Ill. Police Dept. also has a radio monitoring channel 1 for emergencies. This was put in through the efforts of the Blackhawk CB Club. These two stations both have excellent range, thus providing CB'ers in the Rockford and areas south, immediate contact with law enforcement officials.

Meetings of the RRVCCB are being held the second Saturday of each month at the Home Savings & Loan Building in Rockford, Ill., why not plan to attend?

April 11-27, 1965 — Disaster after disaster has ponded the Midwest, starting with the tornadoes on April 11th, Palm Sunday. Tornadoes hit six states that day leaving 240 dead, 5,000 injured, here are the accounts from my area.

WINNEBAGO COUNTY, ILL. — Tornadoes hits farms west of Rockford, leaving 20 injured, roads blocked, power out, communication out and farms demolished. A tree was thrown into a car on Route 70, injuring two. Two glassed roofed swimming pools at a resort in Rockton, Ill. collapsed, slightly injuring many. A small tornado hit the east edge of Rockford, leaving six injured at one intersection. A CB'er and police car, both stopped at the intersection radioed it into the police station at the same time. As the tornadoes left, CB'ers and Civil Defense sprang into action. Many CB'ers in, and in conjunction with Civil Defense were sent out west of Rockford to set up road-blocks, administer first-aid and begin preliminary clean-up of debris.

McHENRY COUNTY, ILL. — Six people were killed and 150 injured in McHenry County when tornadoes hit Crystal Lake and Island Lake. These two towns were declared disaster areas by the governor and help poured in from all over the state. The Crystal Lake CD office called on help from anyone who was able to come. CB'ers and many volunteers gave up their Easter week-end to help these people clean up and start rebuilding.

GREEN COUNTY, WIS. — CB'ers from The 10-4 CB Club of Janesville, Wis. went to help in Monroe

were over 100 weer injured.

To add to the troubles of the Midwest severe flooding hit the area after the tornadoes left. This is a little out of my area but here is what I have. The REACT Team from The CB-Airkings CB Club of Freeport, Ill. went down to Savanna, Ill. to help in flood control there.

The mobile communications center and the amphibious "DUCK" from the Winnebago County Civil Defense office were sent to E. Dubuque, Ill. to aid that flood stricken community.

In all the flood and tornadoes have caused 25 million dollars damage to Wisconsin and 30 million dollars damage to Illinois, President Johnson has declared the state of Illinois a disaster area.

PACIFIC

The Bayview CB Club meets on the first Tuesday of each month at the U.A.W. Hall in Milpitas, Calif. Meetings start at 8:00 P.M. All CB'ers are welcome to attend. Club President Roy Neighbors, KFD6235, has a fine active group, with many plans for the summer and fall months.

Newly elected officers of the Family Communications Club are: President, Earl Mayo, KFC3421, Vice President, D. Buskin, KFD1248; Secretary, C. Newman, KFD2900; Treasurer, W. Olson, KFD0793 and Sergeant-at-Arms, T. Simmons, KFA0832.

Club meetings are held at 2:00 P.M. on the third Sunday of each month. Club meeting place is the Niles Sportsman's Club on Castro Lane in Fremont. All interested persons are welcome to attend.

The Lincoln County Radio Club was recently formed in Lincoln County, Washington, with Lawrence Flood, KFJ1100 of Davenport, Washington as President; Ronald Rosenberg, KFJ0234 of Almira, Washington as Vice President; Wilda Harden, KFJ0475 of Govan, Washington as Secretary and Virgil Rux, KFI0119 of Reardon, Washington as Treasurer: The large county was divided into four sections and one director was named for each section.

The regular meetings are to be held on the last Monday of each month, in one of the four areas, with Davenport, Wilbur, Harrington and Odessa being the host towns. A picnic is being planned for the last



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meeting in June, at one of the beautiful picnic or recreational sights within the county.

A membership drive is underway with over 25 members signed up the first week. The north part of county with Davenport, Harrington, Wilbur and Almira areas monitors channel 11, with the Odessa area on channel 7.

On April 25th, a report of a burning automobile was reported by KLA4213. The message was forwarded immediately to the Fire Department and the California Highway Patrol, both emergency units arrived in time to extinguish the fire before more serious damage could be caused to motorists on Highway No. 101. KNA1563, Henry Metzlar II and KLA4213, Mrs. H. Porter, are both members of Marin Emergency Communications Unit, which is also a REACT Unit, located in San Rafael, California.

On the 23rd of Dec. 1964 the West Coast made history in tragedy. In the area through which the South Umpqua River flows we of Douglas CB Radio Inc. used our various units in the search and rescue work that was employed in the Winston-Dillard area which came under direct supervision of Mr. Roy Fisher commander of the local Civil Defense Unit. In response to the direction of the Civil Defense leader Mr. Art McGuire, President of the club, and Mr. Loren Costelloe, Secretary and Communications Director for Civil Defense operated the base under the club's call letters KFG-1572. The various units operating in direct contact with base control were directly responsible for the fact that there was no loss of life in the all time high flooded area. When all communications and roads were cut off for a short time the club served in capacity to carry on connections with the immediate outside area. Realizing that there was a need of development of this area of search and rescue work as well as other needs that the club could supply, a time of fellowship with an auction and sale was held in Feb. 1965 at the local school. This "Whirly-Burly" provided sufficient money to put the Mobile Base Bus into operation so it could be used with the various units of the club in whatever future necessity might arise. Though the club finds its headquarters; in Winston it covers a larger area and is ready to be of service throughout Douglas County when needed. On the first Sunday in May the club plans a day of Fellowship and Pot Luck in the County Park in Canyonville with the various members traveling in convoy to that area. Communications will be put into operation during this time of association together thus keeping the spirit of working together alive and fresh in each member's mind. It is the purpose of Douglas CB Radio Inc. to serve the area in the spirit of unity that has so characterized the United States in each stage of the historical development since the Wagon Trains rolled into the West.

ATLANTIC

The 4W 24 CB Club calms to be the oldest and largest Citizen's Band radio club in the Washington, D.C. area. It was organized in March 1960 and now lists about 140 members.

The club had their annual spring dinner dance on April 23rd at the I.C.E. Club in Morningside, Maryland. These large social affairs are held twice a year. The second is during the Christmas holidays. The club also sponsors at least one large picnic during the summer months.

Looking back into the history of the club shows that the common interest of boating seemed to be what brought the group together in the first place. This remains true today as most of the club members operate boats on the Potomac during the summer months. All boats are CB equipped, of course.

President of the club is Robert Huttenloch, KLV-9965. Vice President is Mike Onofrio, KCF1394. Mrs. Thea Bernard, KKI0419 is the Secretary and Walt Rader, KKI2234 is the Treasurer.

The club meets the second Friday of every month at Electronic Wholesalers, 2345 Sherman Avenue, N.W., Washington. Meetings begin at 8:30 P.M. and guests and prospective members are always welcome.

The Arlington (Virginia) Metropolitan CB Club is looking for a pen pal. The club, which was six months old in April, would like to correspond with another club west of the Mississippi. They are most interested in a club or clubs in the Denver, Colo. area. Secretary Helen Mockabee, KKI4117 said they would like to hear from a club which was formed about the same time their was—October 1964. She would like to compare progress and get some idea what other clubs in distant areas are doing. The address is 5705 North 18th Road, Arlington, Virginia.

The Arlington group now has 15 members and is growing. They meet the third Thursday of every month at the Dawson Terrace Recreation Center in Arlington. The club recently got permission from Arlington County (owner of the Dawson Terrace) to place an antenna on the building. It is now in place and is used on meeting nights with the clubs CB unit. The club has its own license, KKI0551.

The President is Thomas Mockabee, KKI3688. Vice President is Bill Graves, 4Q1363 and Treasurer is Rudolf Becton, KKI3036.

The 5 Watt Ridgerunners, Inc., a tri-city club, in the Harrisonburg, Staunton, Waynesboro area have recently purchased land and are formulating plans for the immediate building of a club house for meetings and other activities.

The club is also considering the application of a club license in order that members may continue to assist and participate in the Staunton "March of Dimes" and also the assistance of the various police departments and CD organizations in the local areas.

Two summer outings are being planned. One on July 4th and the other in August (date not set). These will be picnic affairs with plenty of activity and fellowship.

Officers of the club are: Harold Shirkey, KJH0307, Bridgewater, Va., President; Elwood Gilbert, KCJ9091, Harrisonburg, Virginia, Vice President; Barbara Kiser, KKK2564, Verona, Virginia, Secretary; and William Flippo, Jr., KC11337, Harrisonburg, Virginia, Treasurer.

The Sideling Hill CB Club of Hustontown, Penna. area held a very successful dinner meeting recently. About 2000 CB operators attended the event. Over 50 prizes were awarded to those attending. Dick Long, KCF0986, of the Queen City 5 Watters of Cumberland, Maryland was guest speaker representing the Queen City Club and also A.P.R.E. S9 Magazine. He was accompanied by the Secretary-Treasurer of the 5 Watters, Merry Albright, KCG1591. The Sideling Hill CB Club was recently formed in December of 1964. President is Raymond Martz and Vice President, John Hann. Look for a lot of activity from this group in the near future. They got what it takes, COOPERATION. Any information regarding the club contact: The Big QSL Card Swapper, Fred Martz, KID0007, Hustontown, Penna.

News-caster, Jack Comer, KHD1350 of WKEE Radio, Huntington, West Virginia sent us the following AP News Wire Service Bulletin. AP127: (Hobart, Indiana) The Midwest tornado devastation of Sunday, particularly in Indiana, has disclosed a new disaster hero, The Citizens Band Operator. Since the deadly spate of twisters spread wreckage in 6 states, CB operators have been on the job, providing the only communication in many cases for police, national guard and CD teams. Like the short wave ham, the CB operator is licensed by the FCC. But unlike the short wave broadcaster, his range is short, a few miles at most. Donald Mitchell of Hobart, a truck driver who is president of his area CB organization, The Northwestern Indiana Citizens Radio Band Ass'n, said today, that some 50 truck drivers and motorist members of the group have been manning road blocks, aid centers and national guard posts around the clock. Mitchell said, with phones out and official police shortwave unit so few, we've had a chance to do vital service. The CB operators studio is his car or his truck cab. His equipment is a small receiving and broadcasting unit which can be bought ready-made. Their are nearly 2 million such sets licensed. SM2225PES 15.

The National Capital Regional REACT, Inc. located at the Howard Johnsons Motel, Wheaton, Md. has now been incorporated and has been issued the call letters of KMI1207. The following officers have been elected: Bob Bradshaw, KKI2086, President; "Doc" Farnham, KKI1433, Vice President; Dick Townshend, KKI0716, Secretary and Ralph Keys, KCF2462, Treasurer.

In the more than 5 months of operation REACT has logged over 3,000 calls. The station averages 4 emergency calls for police, rescue or fire equipment and handles up to 20 calls for road service or directions daily.

Operators desiring to help monitor the station are requested to contact the station or "Doc" Farnham, Communications Officer.

WESTERN

John Vittitow, Civil Defense Director for Smith County, Texas, met with a group of 15 Tyler, Texas CB'ers to discuss a civil defense net.

Ed Livingston, President of the Rose City Five Watters CB Club, was appointed net control station for the net which will meet on channel 4. Others in attendance were assigned to emergency stations such as the sheriff's office, police department, city hall, local hospitals, fire department, public utilities, etc.

According to Mr. Vititow, a CB Civil Defense Net would prove more effective in emergency communications than a RACES Net since most CB'ers have low powered mobile units which are effective in local communications.

Buck Nowell, KKV1296 of Tyler, Texas won a set of crystals for recruiting 7 new members to the Rose City Five Watters CB Club at a recent meeting of the club at Tyler, Texas. President, Ed Livingston, who was not eligible to win the crystals, recruited 11 new members, bringing the club membership up to 40. At this same meeting the club discussed ideas for membership cars and roadside signs telling the name of the club and the channel it monitors.

The Two-Eleven Citizen Bang Club, organized in Italy, November 20, 1962 with 13 charter members, makes up its membership of CB'ers from Waxahachie, Hillsboro, Itasca, Penelope, Frost, Mertins, and Italy, Texas.

Officers of the organization are: President, Marvin Finch of Mertens, KEH1619; Vice President, Woodrow Sharp of Waxahachie, KEH7582; Secretary-Treasurer, Bennie Smith of Italy, KEG0957; Directors, Roy McNeely of Italy, KEG2737 and Jack Guthrie of Italy, KEH0512; Reporter, Atiha McNeely of Italy, KEG2737.

Visitors are always welcome at any of the club gatherings. Business meetings are the fourth Thursday of each month.

Reported by Mrs. Roy McNeely, 2-11 Club, Reporter.

The Las Cruces Citizen Band Radio Club of Las Cruces, New Mexico, has become the fourth New Mexico CB club to volunteer its services to help provide communications for the Associated Contractors of New Mexico's Plan Bulldozer emergency and disaster relief program. After viewing a film made at the time of the Yellowstone National Park landslide several years ago, and listening to an explanation of the operation of Plan Bulldozer, the Las Cruces club members voted unanimously to furnish communications should they ever be required in their area.

Other New Mexico clubs already volunteering to aid Plan Bulldozer include the Los Alamos CB Radio Club, the Santa Fe CB Radio Club and the Albuquerque Citizens Radio Association.

The intermountain area again took its toll in a plane crash on April 5th; in very mountainous country, two miles above Bridal Veil Falls in Utah County.

The pilot of the plane radioed before the crash, his approximate area. For two days the sheriffs office under Sheriff Dick Chappel and his Jeep Patrol sought to rescue the four people involved in the crash. Later the local CAP and its communications entered into the search. During this time, local members of "REACT" (Radio Emergency Associated Citizen Teams), local clubs, "The Friendly Five," and the "Squaw Peak" chapter of UCBA, assisted in transmitting messages in behalf of the individuals, and officials involved in the search. At various times throughout, naval planes and helicopters attempted to make the rescue, or at least drop medical personnel on top of the 8,000 foot mountain, but to no avail. So, as the last resort, the Alpine Mountain Climbing Club, from the B.Y.U. at Provo was sent for. Mr. Richard Martin, one of the victims of the crash walked away and led searchers back to the wreckage, and his three companions; in a blinding snow storm and five feet of new snow. The mountain climbing rescue club from the B.Y.U. used their CB walkie talkies, so that communications could be made between the rescue crew and main CB communications at the base of operations; which was 1,228 feet above the canyon floor. All rescue personnel took their equipment and rode up the Bridal Veil Sky Ride.

The sky ride is a world wide scenic life, with a café on top in Provo Canyon; and is operated by a local CB'er, Mr. "Pappy" Bryant Gates, KGC0269.

Needless to say; true to their tradition, all rescuers returned to their base 35 hours later with the victims, after crawling on their hands and knees 90% of the way to effect their rescue.

Victims of the crash were Richard Martin, about 25; Sally Vanderhoof, who suffered a broken leg; the pilot, Terry Wells, about 22, received a broken injury and Miss Mary Lee Zurcher was in a very exhausted condition and a broken ankle. All four victims were from Boise, Idaho.



Mennonite Disaster Service workers, Mr. and Mrs. Clayton Brubaker of near Wakarusa, Indiana, have now relaxed enough to smile, though still at their post in a mobilehome operated as an emergency communications depot during the tornado disaster which struck Elkhart County (Ind.) on Palm Sunday. The Brubakers are using a Demco Electronics citizens band radio loaned to them by the Bristol, Indiana, firm after several other radios had burned out under boosted power. The Demco equipment held up for several days and nights of continuous operation even though smoking hot from the excessive power load used to extend its range up to five times normal.

Those involved in the rescue were: Utah County Sheriffs Jeep Patrol, Alpine Mountain Climbing Club, Rescue Units from Pleasant Grove Volunteer Fire Dept., Orem City Police, private helicopters from Salt Lake City, and last, but not least, members of the local CB radio clubs, Squaw Peak Chapter, Orem, Utah and the Friendly Five, American Fork, Utah. Also participating were private CB operators, and local REACT teams in Utah County.

What would have been the results of this rescue had we not had access to all these CB operators, communications, and rescue teams? Occupants of the large plane also echo these sentiments in saying that the people in this area are marvelous, in that CB reports were sent in even before the plane crashed, and in that they instituted a search immediately for its occupants.

CB calls, names, and etc. are not listed here, as there were so many who took part. Therefore, we will just take our hats off to all CB operators in general and say, "A job well done."

The Friendly Five Radio Club and the Squaw Peak Citizen Band Radio Association Inc. is working together in a Utah County Civilian Defense Network (Utah) the channel being No. 1. . . . For nightly check ins with the net, Mr. Glen Larson, KGC2553, Orem, Utah is Net Control Master. All members of both groups are members of CB REACT and are cooperating wholeheartedly with the H.E.L.P. program. . . . Drill nights will be instituted for "REACT" on channel 9 starting on the 1st of April/65 each night of the week at 8:00 P.M. . . . Net control will be Mr. Junius H. Noyes, KLE0928, and alternate control to be appointed at a later date . . . for both groups.

A special CD drill was held throughout Utah County, Utah under direction of the County Civil Defense Director. . . . This being the first drill of the season much was to be desired in the execution of the drill. Stations KLE0928, KGC1624 and KLE1706 acted as relay stations, while members of the following clubs acted as field experts: Friendly Five, American Fork, Utah; Squaw Peak CB Radio Association Inc. and general CB operators throughout the county. . . . Needless to say, bigger and better plans are being laid for the next drill. . . . The duration of the present drill was from 11:00 A.M. to 2:45 P.M. . . . All in all the drill went off better than expected. . . . The object of the drill was to map all the hot and cold spots in Utah County for the purpose of transmission and reception during war and emergency. . . . Planning and discipline was very poor throughout the drill, but is expected to

improve by next time. . . Mr. Harold Sargeant, KLE-0972, Pleasant Grove, Utah was monitoring officer and checked all participants for being off frequency during the tests, three members were found to be in that category. . . Mr. Glenn Larson, KGC2553 was Civil Defense Control Officer in charge of Utah County Drill.

The Las Cruces CB Radio Club, Las Cruces, New Mexico, the Missile Valley CB Club, Alamogordo, New Mexico, and three El Paso clubs, the Mt. Franklin CB Club, the Desert Monitors CB Club and the El Paso Communications Organization are banding together to sponsor the First Annual National Citizens Band Southwestern Jamboree on August 7th-8th at the El Paso Coliseum. Prizes will be awarded for the oldest and most distant CB'er who comes by reservation. Food will be served and there will be music, dancing and entertainment. Prizes will be given away every hour throughout the Jamboree plus a Grand Prize of a CB radio. Tickets are just \$1.00 donation with all proceeds to be donated to the United Cerebral Palsy Fund. Many hotel and motel reservations are available nearby. All CB'ers in the 50 states, Washington, DC., and Canada are invited to attend. Reservations may be made by writing to P.O. Box 24045, El Paso, Texas.

The incorporation of the Redwood Citizen Banders is in its final stage, with the papers having been sent to Sacramento, California. The RCB holds its meetings on the second Thursday of every month at the Arcata Airport in McKinleyville.

The Westerners Lodge, No. 2 of Eureka held its monthly meeting on April 21st and had as guest speaker none other than Mr. Willis Runquist, founder of the W.I.C.B.A., from Everett, Washington. Mr. Runquist spoke on the changes in FCC rules and regulations and their effect on the CB'er. Lodge, No. 2 meets on the 3rd Wednesday of every month at the Lincoln School in Eureka.

Recently received word from West Sacramento, California re the organization of the Westerners Lodge, No. 7 in that city. It is quite interesting to note that the new lodge was formed with the assistance of Mr. Willis Runquist, KLD1510 in person. Mr. Runquist is the founder of the Westerners International Citizen Band Association, Inc. and is chairman of the board of directors, with headquarters in Everett, Washington.

He was mobile in Sacramento last month (March) having a bit of a problem getting someone to assist him in directions. After receiving assistance, in the natural course of events, he was met for coffee and invited to attend a meeting of some of the local CB'ers who had been attempting to organize a club of this type. This was just what they had been looking for, so they called another meeting and elected Dave Peck, President; "Buck" Buckner, Vice President; John Stevenson, Secretary-Treasurer; Mel Harbaugh, Chairman of the Board; and Ken Land, Marian Stevenson, Shirley Land, and Mae Buckner, Trustees. They will receive their charter and by-laws from Everett, Washington.

The N.A.C.B. has changed its name due to a great deal of confusion caused by N.A.A.C.B. The club recently voted to drop "Advancement" and is now known as the Northern Association Citizen Banders. They have also changed their meeting place. It is still on the 1st and 3rd Mondays, but they now meet at the Arcata Airport in McKinleyville. They had a Costume Party last month and over 40 persons attended. Hot dogs and soft drinks were sold and their was an hours entertainment by Hillbilly Willy and his Hawaiian Trio. Everyone had a wonderful time. A pot luck dinner was held before the last meeting on the 19th of April and so much food in one place was a sight to behold! The exotic curry and rice stole the show that night. A club paper, "The N.A.C.B. Static" will be in print before to long. Bob Springer, Vice President of the Redwood Citizen Band Radio Club, Inc. of Santa Rosa, was a recent guest at one of the meetings and a lengthy discussion was held on the Jamboree to be held at Lake Mendocino, Ukiah, California on May 29th, 30th, 31st. The host club is the Ukiah Citizen Band Radio Club and contact has been made with many clubs, north and south, that have agreed to attend.

SOUTHERN

The Strawberry Center CB's Inc., was organized in 1963 to provide an emergency communication service for the Plant City, Florida area and to attempt to

Continued on page 67

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COMING EVENT CALENDAR

SPECIAL S9 JAMBOREE APPEARANCE

A special Jamboree appearance of S9 Club Editor and Mrs. John F. Krejc, is planned for the Southwestern Ohio CB Ass'n Jamboree (Third Annual SWOCBA Nationwide CB Jamboree) Saturday and Sunday, August 21st and 22nd at Warren County Fairgrounds, State Rt. 48, Lebanon, Ohio. Also tentatively expected to attend is the Honorable Governor of Ohio, James Rhodes. Tentative plans of the S9 troupe, at this writing, is to arrive August 20th, via the big bird. Definite launching plans will follow in the August issue. Attending will be top entertainers in the Midwest, from WLW TV, NBC Network and Crosley Broadcasting. Door prizes include: Browning Eagle, Recency Romper, Johnson Messenger, USL Contact 8, Vocaline Commaire ED-276, Metrotek Pacer, Johnson Messenger 111 and the Sonar Model E. Eight grand prizes. You can't lose. All proceeds will again go to the retarded children. Contact: Nationwide CB Jamboree, Box 231, Mason, Ohio. Stay tuned to S9 for further details.

COMING EVENTS

The Allegheny Valley Citizens Radio Club is having their annual picnic on Sunday, July 11, 1965. The place is the Burke Glen Swim Club on Route 22 just 1 mile east of the Pennsylvania Turnpike at the Monroeville Interchange. Monitor Channels 9 and 11. For further information contact A.V.C.R.C. at P.O. Box 7819, Pittsburgh 15, Pa.

State of Vermont Jamboree. The Otter Valley CB Radio Club will sponsor the event, June 27th, State Fairgrounds, Rutland, Vermont. Contact: Box 669, Rutland, Vermont.

Central Indiana CB Club will hold their Jamboree, Sunday, June 27th, Newton County Fairgrounds, Kentland, Indiana. Monitoring channel 9. Plenty of displays, camping facilities and food.

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

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

Lake Erie CB Radio Club will hold its 1st Annual National Jamboree, July 17th and 18th at El Ray Grotto Park, just south of Lorain, Ohio. Contact: Michael Salzman, P.O. Box 5, Lorain, Ohio or Jon Batley, 29803 Lake Road, Bay Village, Ohio.

Tri-County Citizens "D" Banders, Inc., will hold their gigantic Jamboree, July 18th at the Mannington Fairgrounds, Mannington, W. Va. on US 250. Contact: Route 3, Box 173, Bridgeport, W. Va.

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

Plan a Canadian vacation, July 2nd, 3rd and 4th. G.R.S. Campout at Strafford, Ontario, Canada. The South Western General Radio Ass'n and the Straffordville Channel Jammers are the sponsors. Contact: Peter Harding, 26 Grosvenor St.reet, London, Ontario, Canada. Monitoring channel 18, Jamboree Control.

The Chenago County CB Radio Club, Inc., will hold its CB Rally an Get-To-Gether, Sunday, June 27th on Route 12,

Community Field, Green, New York. Contact: P.O. Box 1411 Oxford, New York.

Lawrence County CB Radio Club, Inc., is sponsoring a CB Jamboree, Sunday, June 27th at Harbor Road, between Routes 18 and 422 West. Rain or Shine. Contact: Box 404, New Castle, Penna. 16101.

The South Central Iowa Emergency Auxiliary Radio Club will sponsor a CB Jamboree, July 10th and 11th at the Fairgrounds in Indiola, Iowa. Many prizes, camping facilities and fun for all. Remember July 10th and 11th.

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

Music City CB Jamboree, sponsored by the Donelson CB Radio Club, June 25th, 26th and 27th at the Tennessee State Fairgrounds Coliseum, Nashville, Tenn. Contact: Music City CB Jamboree, P.O. Box 2301, Nashville, Tenn.

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

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

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

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

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

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

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

The Citizens Band Radio Club will hold their 4th Annual C.B.R.S. Rally, August 8th at Newharts Lodge on Connecticut Hill, Ithaca, N. Y. Contact: Albert J. Smith, 81 Burdick Hill Road, RD#1, Ithaca, New York.

3rd Annual Mass. Jamboree, Sunday, July 18th, Chicken Bar-B-Que. Contact: Five Watt Whips, P.O. Box 201, Lowell, Mass. Site: Cony's Grove on Mamouth Road, Dracut, Mass., directly behind the Mamouth Road Club and just a short distance out of Lowell, Mass. S9 will attend.

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

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

The Covered Bridge CB Radio League, Inc., will hold their Annual CB Jamboree at the Turkey Run State Park in Marshall, Indiana, Sunday, June 27th.

Lancaster County CB Radio Club, Inc., Jamboree will hold their 2nd Annual CB Jamboree, July 4th at Rocky Springs Park, Lancaster, Penna., right in the historic Penna. Dutch Country. Contact: Lancaster County CB Radio Club, P.O. Box 236, Lancaster, Penna. S9 will attend.

The Mahoning County CB Club will hold its annual picnic, July 11th at the Holy Trinity Pavilion, Struthers, Ohio from

10:00 A.M. There will be continuous entertainment, prizes, children's games, prizes for distance and QSL judging. Contact: Art Lewis, KLN3536, 2934 1/2 Roosevelt Drive, Youngstown, Ohio.

Statewide Wyoming Emergency Radio Club, 2nd Annual Picnic, July 4th, atop Casper Mountain, eight miles south of Casper, Wyoming. Contact: W.E.R.C., 819 St. Mary, Casper, Wyoming.

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

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

The 2nd Annual Tri-State Jamboree, sponsored by the Franklin County CD-CB Club, July 18th at the Russellville, Alabama Coliseum from 8 A.M. to 4 P.M. Contact: William R. Jackson, Box 341, Russellville, Ala.

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

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

4th Annual Penova CB Club, Hootenanny, Saturday and Sunday, June 26th and 27th at Beaver Local School, 6 miles north of East Liverpool, Ohio, Route 7. Dealers and displays. Contact: Penova CB Club, P.O. Box 606, East Liverpool, Ohio.

PICNIC-COFFEE-BREAK-JAMBOREE, September 12th at Dan Tracers, KFG0595, place, located at Lancaster—5 miles north of Junction City, Oregon. The event is sponsored by the McKenzie CBRA.

3rd Annual 8 State Jamboree, June 26th and 27th at Musuers Farm, RD 1, Mt. Wolf, Penna. The event is again sponsored by the York CB Ass't Club of P.O. Box 814, York, Penna. Advance tickets, \$1.25.

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

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

Hoosier Micro-Watts CB Club's first annual Jamboree. Held July 25, 1965 at the Tippecanoe county 4H fair grounds, Lafayette, Indiana. For further information write Box 35, Battle Ground, Indiana.

Southeast Area CB Jamboree, sponsored by the Citizen Band Circle 7 Club of Panama City, Florida. The event will take place July 2nd and 3rd at Multi-Million Dollar Marina. Remember July 2nd and 3rd.

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

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

The Coastal Carolina Radio Club will hold its 2nd Annual Jamboree, July 17th and 18th at North Charleston, South Carolina. Contact: John A. Gray, 115 Sherwood Street, N. Charleston, South Carolina.

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

3rd Annual CB Jamboree, sponsored by the Seacoast Citizens Radio Club at Lenape Park, Mays Landing, New Jersey, August 22nd. Monitor channel 9. Rain date August 28th. Contact: Jamboree Chairman, Pat Grimes, KCD1728, 600 Central Ave., Egg Harbor, New Jersey.

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

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

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

National CB Jamboree, July 18th, sponsored by the Central Indiana Citizens Band Club, at the UAW-CIO Auditorium, Road 109 and East 10th Street, Anderson, Indiana. Contact: C.I.C.B. Club, P.O. Box 2155, Anderson, Indiana. Monitor channel 9.

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

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

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

Crossroads CB Club will hold their Jamboree, June 26th and 27th at Clare County Fairgrounds, Harrison, Michigan. Contact: 502 South Scott Drive, Farwell, Michigan.

The Circle 7 CB Club of Panama City, Florida, will hold a CB Jamboree, July 2nd and 3rd, at Panama City's Multi-million Dollar Marina.

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

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

CB Friends Jamboree, June 27th at the Newton County Fairgrounds, Kentland, Indiana.

Coffee Break, Sunday, June 27th at the Friendship Rod and Gun Club, sponsored by the Suba CD-CB Club of Cuba, New York.

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

2nd Annual CB Rally, sponsored by The Mike Marauders, Sunday, July 18th at Kowals Grove, 2 miles north of Thruway Exit 31, on Route 8, Utica, New York. Monitor channel 9. KID0288, Rally Control.

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

The Washbush Valley Citizens Radio League will hold their 4th Annual CB Jamboree, July 10th and 11th at the Vigo County Fairgrounds, Terre Haute, Indiana. Contact: P.O. Box 911, Terre Haute, Indiana.

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

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

June 26th, the Delaware Valley Emergency Radio Team will sponsor a CB Jamboree, at Soupy Island, National Park, New Jersey. Contact: Jack Osborne, Lot A-15, Haneys Trailer Park, Thorofare, New Jersey.

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

Second Annual Jamboree of Northern New York will be held on Sunday, August 1st on the grounds of the Norwalk Rod and Gun Club, Norwalk, New York, on the Plumbrook Road. Monitor channel 11. The CB Ass'n. Contact: Don Gilson, Star Route, Canton, New York. Rain or Shine.

1st Annual Rocky Ford CB Club, Picnic-Jamboree '65, Sunday, June 27th at North Baltimore, Ohio City Park. Monitoring control, channel 9. Contact: Warren Lang, 317 North Tarr, North Baltimore, Ohio. Located on Route 18, in the heart of Northwestern Ohio.

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

Continued on page 67

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CARD SWAPPERS UNLIMITED

Swappers Awards are given to readers who have shown that they have reached certain levels of achievement in QSL swapping. For complete rules, send a stamped, self-addressed envelope to: Rules, S9 Magazine, 14 Vanderverter Ave., Port Washington, N. Y. Here are this month's winners:

- SACA 232 D. Nelson, KCF1236, Sioux Falls, S. D.
233 L. Tait, XM112045, Penticton, B. C.
234 Ray Randell, KLP2986, Hudson Falls, N. Y.
235 L. Petrucci, KKG4482, New Castle, Del.
236 H. McLeod, KKP1645, Perry, Fla.
237 V. Cavicchi, KKD7623, Morristown, N. J.
238 R. Jarrells, KKN3282, Columbia, S. C.
239 S. Schere, KLK3190, Fowler, Indiana
240 R. Haight, KKB2813, New Britain, Conn.
241 E. Johnson, KLN9155, Manistee, Mich.
242 C. Pickens Rogers, KKN2690, Middletown, Conn.
- PX-125 462 W. Stevens, KLOQ583, Washington, D. C.
463 R. Grubbs, KJH0080, Winston-Salem, N.C.
464 J. Price, KLN7945, Kansas City, Mo.
465 D. Nelson, KCF1236, Sioux Falls, S. D.
466 R. Scott, KLN4434, Kawkawlin, Mich.
467 L. Petrucci, KKG4482, New Castle, Del.
468 E. Elhard, KLF1888, Bismarck, No. Dak.
469 H. Huneke, KMD0992, Springfield, N. J.
470 R. Jarrells, KKN3282, Columbia, S. C.
471 C. Ulshafer, KNJ4063, Wabash, Indiana
472 M. Forsyth, KNA1504, El Cerrito, Calif.
473 B. Ziky, KKE0663, Crarville, N. Y.
474 C. Marinelli, KMA3491, New Britain, Conn.
475 E. Linde, KHD7698, Chicago, Ill.
476 D. Bellask, KMD0428, Brooklyn, N. Y.
- PX-150 172 D. Nelson, KCF1236, Sioux Falls, S. D.
173 L. Tait, XM112045, Penticton, B. C.
174 Dick Dell, McLeansboro, Ill.
175 F. Parmenter, KKN0882, Hueytown, Ala.
176 R. Randall, KLP2986, Hudson Falls, N. Y.
177 E. Litke, KKD2992, Beacon, N. Y.
178 D. Stoneburg, KG17912, Omaha, Neb.
179 J. Walker, KKH3541, Biloxi, Miss.
180 J. McCalla, KJC0223, APO Seattle
- PX-175 140 D. Nelson, KCF1236, Sioux Falls, S. C.
141 G. Solomon, KKG3692, Hellertown, Pa.
142 F. Parmenter, KKN0882, Hueytown, Ala.
143 C. Sylvester, KLK5617, Chicago, Ill.
144 Wm. Kocher, KCD5000, Bethlehem, Pa.
146 E. Litke, KKD2992, Beacon, N. Y.
147 E. Johnson, KLN9155, Manistee, Mich.
148 C. Pickens Rogers, KKN2690, Middletown, Conn.
- PX-200 125 D. Nelson, KCF1236, Sioux Falls, S. D.
126 F. Parmenter, KKN0882, Hueytown, Ala.
127 B. Buffington, KID8628, Crarville, N. Y.
128 G. Solomon, KKG3692, Hellertown, Pa.
129 G. Hunt, KB1722, Middletown, N. Y.
130 E. Litke, KKD2992, Beacon, N. Y.
- PX-225 115 H. Channell, KCF1224, Alexandria, Va.
116 D. Nelson, KCF1236, Sioux Falls, S. D.
117 F. Parmenter, KKN0882, Hueytown, Ala.
118 R. Thatcher, KBG7687, Hudson, N. Y.
119 G. Solomon, KKG3692, Hellertown, Pa.
- PX-250 170 F. Parmenter, KKN0882, Hueytown, Ala.
- PX-275 106 G. Thayer, KNP3245, Salamanca, N. Y.
- PX-300 104 B. Ross, KCG1087, Washington, D. C.
105 G. Thayer, KNP3245, Salamanca, N. Y.
- PX-375 101 W. Wise, KFA4659, Anaheim, Calif.
- PX-400 101 W. Wise, KFA4659, Anaheim, Calif.
- PX-425 101 W. Wise, KFA4659, Anaheim, Calif.
- PX-450 101 W. Wise, KFA4659, Anaheim, Calif.
- PX-475 101 W. Wise, KFA4659, Anaheim, Calif.
- PX-291 291 R. Jarrells, KKN3282, Columbia, S. C.
292 B. Kretzer, KK14592, Hagerstown, Md.
293 W. Lai, KLA0858, Sacramento, Calif.
- PX-287 287 J. Mory, KKI2063, Baltimore, Md.
288 E. Litke, KKD2992, Beacon, N. Y.
289 R. Haight, KKB2813, New Britain, Conn.

PX-500 101 W. Wise, KFA4659, Anaheim, Calif.

MSA 171 D. Nelson, KCF1236, Sioux Falls, S.D.
172 L. Tait, XM112045, Penticton, B.C.
173 L. Petrucci, KKG4482, New Castle, Del.
174 R. Jarrells, KKN3282, Columbia, S. C.
175 E. Johnson, KLN9155, Manistee, Mich.

SSC-1 185 B. Britton, Dayton, Ohio
186 D. Nelson, KCF1236, Sioux Falls, S.D.
187 L. Tait, XM112045, Penticton, B.C.
188 W. Draves, KHD1806, Hometown, Ill.
189 L. Petrucci, KKG4482, New Castle, Del.
190 R. Jarrells, KKN3282, Columbia, S. C.

SSC-2 150 D. Nelson, KCF1236, Sioux Falls
151 G. Hunt, KBJ1722, Middletown, N.Y.

SSC-3 124 D. Nelson, KCF1236, Sioux Falls, S. D.
125 B. Howell, KDB0371, Aiken, S. C.
126 W. Koehler, KDC5000, Bethlehem, Pa.
127 C. Sylvester, KLC5617, Chicago, Ill.

SSC-4 118 D. Nelson, KCF1236, Sioux Falls, S. D.
119 B. Howell, KDB0371, Aiken, S. C.
120 B. Scarnell, KFC2921, Vallejo, Calif.
121 C. Sylvester, KLC5617, Chicago, Ill.

SSC-5 112 D. Nelson, KCF1236, Sioux Falls, S. D.

SSC-6 108 D. Nelson, KCF1236, Sioux Falls, S.D.
109 B. Ross, KCG1087, Washington, D. C.

SSC-7 110 D. Nelson, KCF1236, Sioux Falls, S.D.
111 B. Ross, KCG1087, Washington, D. C.

SSC-8 110 D. Nelson, KCF1236, Sioux Falls, S. D.
111 B. Ross, KCG1087, Washington, D. C.

SSC-9 108 D. Nelson, KCF1236, Sioux Falls, S. D.

SSC-19 102 G. Thayer, KNP3245, Salamonca, N.Y.

If you would like to be listed as a QSL card swapper in our monthly listing, you must do the following: send us a separate card for each month you would like to be listed (you may send several month's worth of cards at the same time), and enclose 10¢ in cash (no stamps, checks, or money orders) for each month you are to be listed. Try not to write on your cards and don't Scotch Tape your dime to the card. Address the material to: Card Swappers Unlimited, 14 Vanderver Avenue, Port Washington, N. Y. 11050. Deadline for listing in the September issue is July 12th.

Here are this month's swappers:

1Q0044 Jerry Bogan, 218 Academy St., Laconia, N.H.
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.
3Q1618 Everett Lindsey Jr., R. D. #1, Mount Holly, N.J.
4B5372 Jim Cross, 755 South Potomac St., Hagerstown, Md.
4Q0632 Ralph Dull, Greenmount, Maryland
5W3556 Richard Wallace, Box 98, Candor, N. C.
6Q0054 Glenn Poore, 1316 Hixson Pike, Chattanooga, Tenn.
6W7263 Bill Orton, 905 Altamaha St., Chattanooga, Tenn.
6W7515 Terrell Craven, Route 1 - Box 32, Royston, Ga.
7W3713 Chester Sisson, Rt. 1 - Box 1020, Haines City, Fla.
8Q1009 Sid Coryell, 4502 W. 29th St., Little Rock, Ark.
11Q2714 Eileen Inns, 530 Catalina Dr., Newport Beach, Calif.
11W8551 Bob Blakeley, 3064 Royce Lane, Costa Mesa, Calif.
11W9751 Geo. Strainline, 1171 W. Miracle Mile, Tucson, Ariz.
12Q2545 Jim Bull, 7423 Rolling Wood Blvd., Citrus Heights, Ariz.
16Q1138 Curt Nelson, R. 1 - Box 53, Brookings, S. D.
17W5449 Henry Hawkins, Rural Route One, Box 86, Fair Grove, Mo.
18B2648 Glenn Davis, 6143 North Rockwell St., Chicago, Ill.
18Q3779 L.A. Morrow, 2210 N. Gayman Ave., Davenport, Iowa
18Q4913 Tom Leadbetter, R.R. 4 - Box 40, Muncie, Ind.

18Q5244 Byron Tucci, 217 Fairway, Bloomington, Ill.
19A5964 Stan. Sickler, 2310 Commor, Hamtramck, Mich.
19Q0707 Jim White, Box 108, Syracuse, Ohio
19Q4842 James Humburg, P. O. Box 647, Benton Harbor, Mich.
19Q7741 Willard Shingleton, 1900 Belle St., Parkersburg, W. Va.
19Q8152 John Kasten, 5916 Westbrook Dr., Brookpark, Ohio
19Q9470 Adrian Fallert, 121 N. "C" St., Hamilton, Ohio
19QA0442 Art DeFrain, 226 3rd St., Harbor Beach, Mich.
19W7489 Dick Holman, 1917 Murdoch Ave., Parkersburg, W. Va.
20Q1360 Ivan Smith, 419 Water St., Danville, Pa.
20Q4195 Marv Virkler, 148 Winthrop Rd., Syracuse, N. Y.
KAG1649 Al Young, 350 Van Winkle Ave., Hawthorne, N.J.
KAG2486 Dave Buda, 717 Centre St., Nutley, N.J.
KAG2607 Ernest Sawyer, P. O. Box 146, Marshall, N. C.
KAR0738 The Card Swapper, P. O. Box 411, Westfield, Mass.
KBA0231 Charlie Adams, 691 Marlboro St., Keene, N.H.
KBA2894 Charlie Ambush, 31 Pleasant St., Cambridge, Mass.
KBA5049 Robert Morin, P. O. Box 91, Dracut, Mass.
KBA5557 Ted Cummings, Bellflower Rd., Billerica, Mass.
KBA6883 Andy LaMarche, 8 Perrotto Ave., Claremont, N.H.
KBC0734 Steven Feyman, 79 Barcks Rd., Swampscott, Mass.
KBC3583 John Coons, P. O. Box 33, Plainville, Conn.
KBC6415 Donald Aspinall, 20 Forest Ave., North Haven, Conn.
KBC6510 Ralph Bryant, 716 Riverside Dr., Fairfield, Conn.
KBC6819 Robert Giustina, 68 Dunmoreland St., Springfield, Mass.
KBC8093 Dennis Cidale, 17 Water St., Stonington, Conn.
KBC8494 Ray Blanchard, 4 Chelsea St., Worcester, Mass.
KBC9193 Big John Weigel, 119 Shaw St., New London, Conn.
KBD0747 Herb Girard, 348 Carrington Ave., Woonsocket, R.I.
KBD0784 Jack Suplicki, 2 Willey Pl., Norwich, Conn.
KBD1300 Ray Grele, 9 Argyle Circle, Seymour, Conn.
KBD2925 Ronnie Sauriol, 62 Circuit Ave., Worcester, Mass.
KBG1595 Gary Weber, 133 Branton St., Brooklyn, N.Y.
KBG4667 John Krueger, 23 Standpipe Rd., Freehold, N.J.
KBG6576 Charles Arnwine, 725 South Broad St., Trenton, N.J.
KBG7180 Pat Purcell, 99 Harvard Dr., Hartsdale, N.Y.
KBG7387 Gerry Schechter, 3535 Kings College Pl., Bronx, N.Y.
KBG7687 Robert Thaler, R. R. 1 - Box 59-B2, Hudson, N.Y.
KBG8079 Alvin Allen, 610 Prospect Ave., Spring Lake Heights, N.J.
KBG8153 Betty Krueger, 23 Standpipe Rd., Freehold, N.J.
KBG8179 Alvin Allen, 610 Prospect Ave., Spring Lake Heights, N.J.
KBH1426 Fred Stearman, R.R. #1 - Box 16, Erie, Ill.
KBH1571 Morrie Goldman, 8046 South Euclid Ave., Chicago, Ill.
KBI0275 Hank Mancura, 64 Meadow Lane, Levittown, L.I., N.Y.
KBI0854 George Raybin, 1367 Sheridan Ave., Bronx, N.Y.
KBI1349 Jack Hopp, 240-19 144 Ave., Rosedale, N.Y.
KBI2123 Richard Rios, 2897 Ardsley Rd., Wantagh, L.I., N.Y.
KBI2251 Mona French, 19 Essex Lane, Old Bridge, N.J.
KBI3455 John James, 299 1/2 Lark St., Albany, N.Y.
KBI5592 George Gross, Waring Road Md. #15, Newburgh, N.Y.
KBI6373 Charles Bennett, 89 Valley Road, Haworth, N.J.
KBI6480 Art Scheid, 2 Essex Place, Hartsdale, N.Y.
KBI6963 Richard Molino, 30-01 Francis Lewis Blvd., Flushing, N.Y.
KBI7301 Bob Mihlon, 163 Thomas St., Bloomfield, N.J.
KBI8077 John Krejc, 60 Division Ave., Garfield, N.J.
KBI8237 Bob Denholtz, 41 Farmstead Rd., Short Hills, N.J.
KBI8797 Jo-Jo Tybush, 20 South St., Albany, N.Y.
KBJ0326 Joan Tybush, 20 South St., Albany, N.Y.
KBJ1722 George Hunt, 353 Highland Ave., Middletown, N.Y.
KBJ2055 Harmon Heller, 610 East 20th St., New York, N.Y.
KCA0102 Frank Askinazy, 1034 Ralph Ave., Brooklyn, N.Y.
KCC1541 Donald Berle, 228 California Rd., Quakertown, Pa.
KCC2969 Robert Stouch, R. D. 1 - Box 120, East Stroudsburg, Pa.
KCC3957 Lee Heedley, 309 St. Louis Ave., Pt. Pleasant Beach, N.J.
KCD1896 Howard Taylor, South DuPont Road, Penns Grove, N.J.
KCD3398 May Miller, R. D. 2, Kempton, Pa.
KCD4540 Mike McClatchy, Bowker Rd., Medford Pines, N.J.
KCD4579 Delores Lefever, R. D. 2, Box 28, Dover, Penna.
KCD5154 Earl Rogers, 225 Tuscany Rd., Maple Gardens, Chester, Pa.
KCD5178 Bernie Thomas R.D. 3, East Stroudsburg, Pa.
KCD5222 William Wright, R. D. 1, Green Lane, Penna.
KCD5385 William Wright Jr., R. D. 1, Green Lane, Penna.
KCD5491 Bernie & Phyllis, 1509 Bonbridge Rd., Wilm. Del.
KCD5966 Al Smith, Penury Priory, Doylestown, Pa.
KCD6109 Lois Lowell, R. D. 2, Sellersville, Pa.
KCD6125 Neil O'Connell, 22 Cassatt Ave., Berwyn, Penna.
KCF0692 David Closser Sr., Plainfield Dr., Rt. 3, Winchester, Va.
KCF0823 Jim Cross, 755 S. Potomac St., Hagerstown, Md.
KCF1224 Harold Channell, P. O. Box 4124, Alexandria, Va.
KCF2446 Robert Crigger, 411 South Mount St., Baltimore, Md.
KCF2541 James Lofton, 712 N. Loudoun St., Winchester, Va.
KCG0706 Eddie Becker, 5606 Franconia Rd., Alexandria, Va.
KCG1087 Barney Ross, 425 Garden St., Washington, D.C.

KCG1648 J.W. Smith, R.R. 2, Jane Lew, W. Va.
 KCG1835 Edsel Peacemaker, Route 2, Winchester, Va.
 KCG2419 Park Bedford, 4903 Asbury Lane, Bethesda, Md.
 KCG2891 Edith Becker, 5606 Franconia Rd., Alexandria, Va.
 KCG3068 Ricky Lowman, 1001 W. Addition St., Martinsburg, W.Va.
 KCG3236 Bob Gallery, 5013 Westport Road, Chevy Chase, Md.
 KCG3569 Charles Berry Jr., Nomreh Road, Rt. 3, Salisbury, Md.
 KCG3689 Edward Ross, 1967 Comm. Sqcn., APO San Francisco, Cal
 KCG4106 Dave Royer, Route 1 - Box 133, Finksburg, Md.
 KC11656 Allen St. Clair, 2847 Cannady Rd., Roanoke, Va.
 KC12842 Clarence Moore, Route #4 - Box 34, Thomasville, N.C.
 KCJ0869 Jim Nix, 2621 Plum St., Charlotte, N.C.
 KCJ2292 Hazel Stubbs, P.O. Box 1076, Rockingham, N.C.
 KCJ2621 S Moser, Rt. 7, Box 154, Nylon Dr., Winston-Salem, N.C.
 KCJ2780 R.K. Harris, 513 McDonald Ave., Charlotte, N.C.
 KCJ3076 Jim Hilton, 3806A Roads View Ave., Hampton, Va.
 KCJ3880 Lee Willick, 3709 Hester Circle, Raleigh, N.C.
 KCJ4079 Jack Kirby, 3601 North Ave., Richmond, Va.
 KCJ4187 Joel Smyre, 747 S. Brady Ave., Newton, N.C.
 KCJ4911 Jearl Bishop, 1801 Chatham Ave., Charlotte, N.C.
 KCJ5002 J.L. Kirkland, Route 7, Raleigh, N.C.
 KCJ5092 Doug Paynter, 1001 East Jefferson St., Charlottesville, Va.
 KCJ5244 Joe Tuttle, Route 1, Rural Hall, N.C.
 KCJ6180 Buddy-Boy Williamson, 604 Gillespie St., Greensboro, N.C.
 KCJ6682 Ken Booth, Concord, Va.
 KCJ6987 Tommy Pollok, Gladys, Virginia
 KCJ8638 Roger Duncan, 610 Church St., Spray, N.C.
 KCJ8782 Wilma Nix, 2621 Plum St., Charlotte, N.C.
 KCJ9742 J.A. Gupton Sr., 3242 Selwyn Ave., Charlotte, N.C.
 KDB9372 Claude Hooper, RFD, 3, Box 130, Sylva, N.C.
 KDC0390 Jerry Pater, 1195 Dale Road, Hamilton, Ohio
 KDC0614 Clarence Hnanicek, 10809 Prince Ave., Cleveland, Ohio
 KDC0843 Raymond Sheely, Box 95, Petersburg, Ohio
 KDC1255 Ben Hefner, 1804 Lennox Ave., Lima, Ohio
 KDC1358 W.L. McKeever, 408 Lynn Ave., Lakeside, Ohio
 KDC1371 Fred Matyas, 1220 S. River Ave., Toronto, Ohio
 KDD2134 Michael Ashby, 316 S. Franklin St., Tullahoma, Tenn.
 KDD7539 L.E. Cody, Box 412, Jamestown, Tenn.
 KDD7921 Charles Lee, 1455 13th Ave. East, Tuscaloosa, Ala.
 KDD8403 Lloyd Coop, 506 E. General St., Tullahoma, Tenn.
 KDD9708 Stuart Cash, 1109 Mississippi Ave., Chattanooga, Tenn.
 KDE0565 Rodney Wise, P.O. Box 2953, Asheville, N.C.
 KDE1377 George Geriner, 4087 Leweir St., Memphis, Tenn.
 KDE2266 Richard Bolding, 805 W. Crawford St., Dalton, Ga.
 KDE3230 George Payne, 17 Orton Drive, Maryville, Tenn.
 KDI3211 Donna Wiley, 1601 Cimarron Trail, Wichita Falls, Texas
 KDI3320 Dot Sisson, R. R. 1 - Box 1020, Haines City, Fla.
 KD14678 Hoyt Mann, P.O. Box 464, Lake Butler, Fla.
 KDJ0332 Nick Miller, Box 3006, St. Petersburg, Fla.
 KEB1659 Ed. Field, P.O. Box 481, Gautier, Miss.
 KEB1661 Bob Fancher, Darling, Miss.
 KEB2231 Central Printing, 920 Vandewater, Fayetteville, Ark.
 KEB4002 Al Mayer, 306 West 8th, North Little Rock, Ark.
 KEB4614 Carlos Bailey, Rt. 6, Box 400, Pine Bluff, Ark.
 KE3243 Jesse Meadows, 7307 Adelbert St., Houston, Texas
 KEG1314 Richard Parks, Gen. Del., Coyle, Okla.
 KEH1105 Fred Kimbro Jr., 213 N. Edmond, Muskogee, Okla.
 KEH5846 Kenneth Bales, Box 295, Guymon, Okla.
 KEH7235 John Glover, 2428 Hugo St., Dallas, Texas
 KEJ0071 Melvin Nutting, 932 Western Ave., Colton, Calif.
 KEJ1341 E.H. Rogers, 24950 E. 6th St., San Bernardino, Calif.
 KEJ5828 John Hamner, 12350 So. Fern Ave., Ontario, Calif.
 KEJ5869 Johnnie France, Box 4146, Riverside, Calif.
 KEJ6681 Bob Osterhout, 3624 Meier St., Los Angeles, Calif.
 KFA2338 Frank Whetzel, 916 Larker Ave., Los Angeles, Calif.
 KFA3071 Dennis Van Hook, 391 Freer Drive, Buellton, Calif.
 KFA3830 Dot Schwarm, 445 Park View Ave., Grover City, Calif.
 KFA4077 Smitty Smith, 11142 Penn St., Lynwood, Calif.
 KFA4167 Mike Daugherty, 2736 E. Fairmount, Phoenix, Ariz.
 KFA4659 Walt Wise, 613 No. Glenwood Place, Anaheim, Calif.
 KFA9144 Thomas Couch, 9422 Blackley St., Temple City, Calif.
 KFA9923 Helen Morse, P.O. Box 1395, Ontario, Calif.
 KFB0396 Ron Federico, 815 No. Palisade Dr., Santa Maria, Calif.
 KFB0686 Dick Veren, Box 403, Midway City, Calif.
 KFC2291 Allen Lehr, P.O. Box 116, Jamestown, Calif.
 KFC3866 Rex Mathews, 407 Potomac Ave., Sacramento, Calif.
 KFD1525 Chuck Watrous, 421 W. 12th St., Tracy, Calif.
 KFD2055 Chuck Boehnke, P.O. Box 223, Los Gatos, Calif.
 KFD2822 Lenon Bagdad, 844 W. Dayton, Fresno, Calif.
 KFD3924 Steve Seteroff, 380 "B" Street, Hayward, Calif.
 KFD4230 Neil Sweetland, 2505 Arthur, Fresno, Calif.
 KFD4351 Steve Kruft, 1755 - 29th Ave., San Francisco, Calif.
 KFD4870 Bud Fischer, 1525 Blackstone, Fresno, Calif.
 KFD4886 Wayne Heimsoth, 26355 Esperanza Dr., Los Altos Hills, Cal.
 KFD5345 Cecil Long, P.O. Box 367, Ivanhoe, Calif.
 KFD5811 Larry Kluender, P.O. Box 183, Oroville, Calif.
 KFD5994 Howard Daub, 3335 Moon Ave., Stockton, Calif.
 KFD6256 Sparky Pinola, 3335 Mabel St., Sacramento, Calif.
 KF11219 Jack Sudduth, 8103 16th S.W., Seattle, Wash.
 KFJ0479 Agnes Sudduth, 8103 16th S.W., Seattle, Wash.
 KGA0113 Ralph Bena, Rt. 2, Box 239, Chehalis, Wash.
 KGC2576 Gene Godsoe, 1406 Oneida St., Denver, Colo.
 KGF1675 Earl Wertz, 79 Kincheloe St., Kincheloe, AFB, Mich.
 KGF3036 Tom Masteller, 310 Plymouth Ave. N., Minneapolis, Minn.
 KGG0131 Chuck Feldt, 8449 Blaisdell Ave., Minneapolis, Minn.
 KGH1666 Shirl Schaff, 716 E. 72nd Terr., K.C., Mo.
 KGH2584 Joseph Rose, 1009 Figg, Wichita, Kansas
 KGI6082 W.F. Wilson, 900 South Madison, Plainville, Kans.
 KGI6100 Robert Schmuk, 357 No. Waco, Wichita, Kansas
 KGI6979 Don Marshall, 301 Circle Drive, Carrollton, Mo.
 KGI7912 Donn Stoneburg, Box 221 Ames Ave. Station, Omaha, Nebr.
 KGI8903 Ralph Williams, 3420 Nickell Dr., St. Joseph, Mo.
 KGI9136 Don Sorrels, 8317 Horst Dr., St. Louis, Mo.
 KGI9206 Bud Ward, 968 Lindeman, Des Peres, Mo.
 KHA0733 Harold Handley, 13800 W. 145th Place, Lockport, Ill.
 KHA3500 Ove LaPlante, 2978 N. Teutonia Ave., Milwaukee, Wis.
 KHA5150 Virg Mansfield, 600 West 7th, Muncie, Indiana
 KHA5591 Shirla Wilson, R. 1 - Box 117, Round Lake, Ill.
 KHA7883 Jim Phillips, 4 Alleyne Drive, Muscatine, Iowa
 KIA8376 Gordon Velpel, 801 S. Franklin St., Garrett, Ind.
 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.
 KHC0280 Dick Dill, 505 W. Cherry, McLeansboro, Ill.
 KHC2912 Helen LaPlante, 2976 N. Teutonia Ave., Milwaukee, Wis.
 KHC4185 Lou Chappell, 3644 E. Minnie St., Decatur, Ill.
 KHC5348 Barry Fehberg, 1801 Summt Ave., Racine, Wis.
 KHC8111 Dick Edwards, 411 Fairlawn Dr., Round Lake Park, Ill.
 KHC8347 Jim Taylor, Rosine, Kentucky
 KHC9000 Bob Curths, P.O. Box 5, Vermont, Ill.
 KHC9439 Jim Bazata, 89 Center St., Ingleside, Ill.
 KHD1288 Charles Couchman, Box 194, North Vernon, Ind.
 KHD4705 George Newberry, 1027 W. Douglas St., Freeport, Ill.
 KHD5345 John Neyer, 1111 W. Grace St., Chicago, Ill.
 KHD5777 Jim Carey, R.R. #1, Sylvan Lake, Rome City, Ind.
 KHD9210 Lyle Beard, Bristol, Wis.
 KHD9847 Lional Curths, P.O. Box 5, Vermont, Ill.
 KHE0875 Weldon Jones, Box 26, W. Kirkwood St., Bloomington, Ind.
 KHI1923 Bob Gillespie, 31805 Denmore Rd., Willowick, Ohio
 KHG3085 Erwin Chisholm, 1825 Avon St., Saginaw, Mich.
 KHG3450 Ernie Grubb, 1757 Moonlight Dr., Akron, Ohio
 KHG4945 C.M. Cooley, 1006 Hooven Ave., Hamilton, Ohio
 KHG5896 Ron Neufeld, 3090 E. Derbyshire, Cleveland Hts, Ohio
 KHG6176 Herman Werfele, 3121 Jacob St., Wheeling, W. Va.
 KHG6303 Walter Dodds, 4216 W. 22 St., Cleveland, Ohio
 KHG9069 Herb Riggle, Route 5, Zanesville, Ohio
 KHG9554 Kenny Roberts, 1584 Stewart Road, Lima, Ohio
 KHH1363 Ge. Radenheimer, 3121 Andrew St., Middletown, Ohio
 KHH2266 Harold Hawkins, 3522 Linwood Ave., Columbus, Ohio
 KHH2828 Frank Hall Jr., 711 Water St., Barbourville, W. Va.
 KHH3134 Flint McCullough, 800 12th St. S.W., Massillon, Ohio
 KHI1561 Dot Good, R.R. #2, Marshall, Michigan
 KHI2336 Walt Davis, 2224 Raebel Pl. S.W., Canton, Ohio
 KHI2916 Larry Bauder, 120 Bradley Rd., Midland, Michigan
 KHI2952 Bill Culver, 119 East Brooks, Howell, Mich.
 KHI4973 John Campbell, 126 FTD Box 201, Dow AFB, Bangor, Me.
 KHI9979 Gene Taylor, 121 N. Adolph Ave., Akron, Ohio
 KHJ1206 Herb & Marty Snyder, 1516 Lockwood Rd., Barberton, Ohio
 KHJ1858 Norm Owings, 505 N. Clairmont, Springfield, Ohio
 KHJ2314 Grant Hunt, Red Oak Rt., Lewiston, Mich.
 KHJ3477 Donald Belitz, 13474 Enid Blvd., Lake Fenton, Mich.
 KHJ3482 Robert Albright, R. 3, Alpena, Mich.
 KHJ3914 Ralph Jester, 564 Round Lake Dr., Michigan Center, Mich.
 KHJ4747 Don Senger, 2650 Mandale, Orchard Lake, Michigan
 KHJ5042 Harold Davis, 9575 Shell Beach Rd., Pinckney, Michigan
 KHJ5485 Don Larabell, 14865 Stout, Detroit, Mich.
 KHJ6508 Ralph Husk, 1103 1/2 Olive St., Parkersburg, W. Va.
 KHJ6874 Richard Cady, P.O. Box 193, Winchester, Ky.
 KHJ7033 M & R. Restaurant, 100 North Main St., No. Baltimore, Ohio
 KHJ7270 Bob Wilkinson, 500 Magnolia Ave., Cuyahoga Falls, Ohio
 KHJ7892 Boots Beaudry, Box 252, Trenton, Mich.
 KHJ9411 Jim Waters, 28 S. Pembroke Ave., So. Zanesville, Ohio
 KHJ9482 Francis Garrett, 1226 Moxahala Ave., Zanesville, Ohio
 KHJ9508 Jim Fosnough, P.O. Box 674, Killeen, Texas
 KHJ9558 Ed Leonhardt, 3518 Smithfield Lane, Cincinnati, Ohio
 KHJ9961 Tim Hamilton, P.O. Box 572, Wooster, Ohio

KIA0468 Clarence Kernstock, 1820 Filmore Place, Essexville, Mich.
 KIA0762 Leroy Butler, 1808 Lennox, Lima, Ohio
 KIC0655 David Aunkst, 504 Todd St., Pittsburgh, Penna.
 KIC1207 Arlene Warner, 2273 Mosser Ave., Williamsport, Pa.
 KIC2881 Mike Ripski, 72 Mooney Road, Plymouth, Pa.
 KIC3500 Ruthie Bopp, 350 W. Fifth St., Lewistown, Penna.
 KIC5642 Dave Klimeck, 218 Ottawa St., Johnstown, Pa.
 KID0007 Fred Martz, Davis-Lane Speedway, Hustontown, Pa.
 KID0186 Kathy Reshetar Jr., 102 1/2 Walnut St., Binghamton, N.Y.
 KID3872 Herman Heuser, 341 West 11th Ave., Tarentum, Pa.
 KID4563 Pete Gabrielli, 751 Parsells Ave., Rochester, N.Y.
 KID5225 Harry Platt Jr., R.D. 1 - Shaw Road, Conklin, N.Y.
 KID5293 George Gould, Box 42, Hudson Falls, N.Y.
 KID5869 Robert Kolock, 844 Taylor Rd., Erie County, Hamburg, N.Y.
 KID5968 John Norman, Box 249, Watkins Glen, N.Y.
 KID6004 Tony Kogut, Frankfort, New York
 KID6004/3 Steve Kogut, Frankfort, New York
 KID6303 Ted Bluey, 422 S. Fifth Street, Jeannette, Pa.
 KID6356 Roscoe Harrington, 5 Schuyler St., Hudson Falls, N.Y.
 KID6623 George Kline, 508 Monroe St., Jamestown, New York
 KID8232 Roy McGregor, R. D. 2, Central Square, N.Y.
 KID9018 Bonnie Oakes, 901 Chestnut Street, Roaring Spring, Pa.
 KIE0628 Al Gulley, R. D. 3 - Box 392, Coraopolis, Pa.
 KJC0223 J.C. McCalla, 273-G Dyea Avenue, Fort Richardson, Alaska
 KJF0333 Walt Spittle, 1319 57th Avenue S.E., Washington, D.C.
 KJI0614 Joe Hamilton, R.O.D., New Millport, Pa.
 KJI0777 John White, 311 Owen Ave., Elmira Heights, N.Y.
 KJI1072 Len Siedinski, 18 Ames Ave., Tonawanda, N.Y.
 KJI2293 The Silver Eagle, 339 Harter St., Herkimer, N.Y.
 KJI2342 Fenton's, 125 A-W Lake Road, Penn Yan, N.Y.
 KJI2748 Bob Gilmore, R.D. 2 Short Cut Rd., Weedsport, N.Y.
 KJI3114 Walter Bourne, 184 Ogden Center Rd., Spencerport, N.Y.
 KJI3461 John Garzel, Box 268, Austin, Pennsylvania
 KKA0488 Cyril Wilson, 6 Collins Terrace, Lynn, Mass.
 KKA0658 Jerry Cote, 105 Old Walpole Road, Keene, N.H.
 KKA0880 Don Benois, Lambs Grove, Spencer, Mass.
 KKA1204 John Walmesley, Main St., Manchaug, Mass.
 KKA1997 Jim McSwain, RFD 2, Windsor, Vt.
 KKA3088 John Myott, 16 Washington St., Westfield, Mass.
 KKA5305 Chase's Engraving, 175 Kitemgang Rd., Uncasville, Conn.
 KKA4210 Dick Clogston, Starks, Maine
 KKA5308 John Mildner, Roberts St. RD 1, Pascoag, R.I.
 KKA5323 Mike Goddu, 168 Madison Ave., Holyoke, Mass.
 KKA5345 Al Capoldo, (No address enclosed)
 KKA5683 Sherlock Holmes, King Road, Monson, Mass.
 KKA6885 William Lafond, Eagle Peak Road, Pascoag, R.I.
 KKA7269 Phil Newcomb, 59 Center St., Ballardvale, Mass.
 KKA7492 John Flynt Jr., c/o Royal Coach Motel, Weirs Bch. N.H.
 KKA7688 Bill French, 52 Pendexter St., Lynn, Mass.
 KKA7816 Anthony Silva, 9 Holway Ave., Provincetown, Mass.
 KKA7986 Jon Chamblee, Jefferson, Maine
 KKA7994 Jim DeLude, 87 Woodward Ave., Middletown, Conn.
 KKA8081 Roger Bull, Shaftsbury, Vermont
 KKA8101 John Moriarty, 86 Beacon St., Florence, Mass.
 KKA8218 Charlie Judd, 700 Marlboro St., Keene, N.H.
 KKA8456 Joe Cambo, 31 Woodbury Ave., Norwalk, Conn.
 KKA8764 Alan French, 470 Eastern Ave., Lynn, Mass.
 KKA9350 Morris Day, Medway, Maine
 KKA9690 Peter Flynn, 212 Allen St., Springfield, Mass.
 KKA9788 Steve Kaplan, 91 Valentines St., New Bedford, Mass.
 KKA9862 Pat Wallingford, 20 North Marriner St., South Portland, Me
 KKA9907 Alfred Rawley, P.O. Box 426, Camden, Maine
 KKA9926 Brian Benkosky, 343 Washington St., Keene, N.H.
 KKB0087 James Lacey, 46 Oread St., Worcester, Mass.
 KKB0156 Kevin Gobeille, 15 Wilson St., No. Wilbraham, Mass.
 KKB0188 Robert Grip, 60 Sexton St., New Britain, Conn.
 KKB0242 Russell Ferland, 32 Arland Drive, Pawtucket, R.I.
 KKB0384 Kenneth Moravec, 40 Ronald Road, New Britain, Conn.
 KKB0399 Stan Holland, South Rumford, Rumford, Maine
 KKB0712 Steve Chmura, 268 Parker St., Indian Orchard, Mass.
 KKB0748 Tom Pluta, 31 Stony Hill Rd., Indian Orchard, Mass.
 KKB1170 George Hensel, 37 Fairview Ave., Thompsonville, Conn.
 KKB1195 Bud Geray, 183 East Main St., Chicopee Falls, Mass.
 KKB1198 Ben Shafer, 3 Cherry St., Windsor, Vermont
 KKB1522 Jim Milo, 26 Taunton St., Southington, Conn.
 KKB1587 Al LaPointe Jr., 60 Prospect St., New Britain, Conn.
 KKB2242 Peter Corcoblos, 42 Devens St., Indian Orchard, Mass.
 KKB2813 Robert Haight, 12 Sterling St., New Britain, Conn.
 KKB3485 Mrs. Ferland, 32 Arland Drive, Pawtucket, R.I.
 KKB3548 John B. Monaco, 118 Ledgercrest Ave., New Britain, Conn.
 KKB3586 Ruth Gauthier, 227 Walnut St., Manchester, N.H.
 KKB3740 Donald Cone, Route 1 - Box 54, White River Jct., Vt.
 KKB3757 Harrison Cunningham, 71 Water St., Hallowell, Maine
 KKB4058 Phil Gomez, Lebanon, N.H.
 KKD0349 Jack Golden, 5025 Broadway, N.Y.C., N.Y.
 KKD0491 Mike Kaplan, 37 Fairview Terrace, Maplewood, N.J.
 KKD1013 Rich Werners, Box 234, Port Ewen, N.Y.
 KKD1177 Christopher Ordal, 5 Shelley Road, Short Hills, N.J.
 KKD1311 Don Brandt, 1 Farmstead Rd., Short Hills, N.J.
 KKD1699 Lou Gangemi, 12 Shelley Ave., Hartsdale, N.Y.
 KKD1746 Ivan Samuels, 179 Glenview Rd., South Orange, N.J.
 KKD1915 John Fernicola Jr., 1/3 Dryden Terr., Short Hills, N.J.
 KKD1946 Al Neely, 90-26 215 Place, Queens Village, N.Y.
 KKD2495 Jay Dubner, 1072 Ruth Place, North Bellmore, L.I., N.Y.
 KKD2992 Edward Litke, 20 East Main St., Beacon, New York
 KKD3441 Michael Patienek, 20-2 Alois Pl., Paterson, N.J.
 KKD4223 Larry Wettach, 17-20 Well Drive, Fair Lawn, N.J.
 KKD4640 Ronnie Berman, 1332 Anchor Drive, Wantagh, N.Y.
 KKD4696 Ed. Ruthberg, 26 Jackson Ave., Middletown, N.Y.
 KKD4804 Gary Simpson, 10-3rd Street, Sayreville, N.J.
 KKD5075 Bob Denholtz, 41 Farmstead Rd., Short Hills, N.J.
 KKD5247 Edward Dart, Bay View Road, Southold, L.I., N.Y.
 KKD6074 Dennis Spata, 283 Hope Avenue, Passaic, N.Y.
 KKD6219 Bob Reedy, 349 N. Boston Ave., N. Massapequa, L.I., N.Y.
 KKD6389 Jean DuBois, R.F.D. 4 - Chestnut Hills, Middletown, N.Y.
 KKD6477 Mitch Pomerantz, 439 Hawthorne Ave., Newark, N.J.
 KKD6953 Peter Mozzone, 382 Horton Hwy., Mineola, L.I., N.Y.
 KKD7305 Pieter Schoonheim, 160 Johnson Ave., Teaneck, N.J.
 KKD7398 Vera Leitans, 246 Second St., Albany, N.Y.
 KKD7499 Norman Bernstein, 90 Redwood Lane, Massapequa Park, N.Y.
 KKD7623 Vinny Cavicchi, Lake Valley Rd., RFD 1, Morristown, N.J.
 KKD7750 Joel Fishman, 1810 - 80th Street, Brooklyn, N.Y.
 KKD7950 Joseph Krzanik, Box 171, New Baltimore, N.Y.
 KKD7992 Robert Bernsten, 85 Cripsaw Dr., Ringwood, N.J.
 KKD8372 Mike Mazzone, 438 Livingston Ave., Albany, N.Y.
 KKD8383 Bob Peterson, 61 Crosshill Ave., Yonkers, N.Y.
 KKD8490 Jerry Placente, 14 Hardy Place, Yonkers, N.Y.
 KKD8859 Charles McNally, 36 Marble Hill Ave., New York, N.Y.
 KKD9486 Willie Bergman, 248-02 76th Ave., Bellerose, L.I., N.Y.
 KKD9510 Ray Dame, 38 Vliet St., Cohoes, N.Y.
 KKD9511 Mitch Zimmer, 1213 East 83rd St., Brooklyn, N.Y.
 KKE0171 Al Siebold, 110 Jefferson Ave., River Edge, N.J.
 KKE0438 Manny Fleischer, 510 Ocean Parkway, Brooklyn, N.Y.
 KKE0449 Al Farber, 2554 E. 29th St., Brooklyn, N.Y.
 KKE0663 Brian Zeky, Box 131, Cratzville, N.Y.
 KKE0046 Ira Pityl, 17 North State Street, Vineland, N.J.
 KKG0335 Larry Love, East Landis Ave., Vineland, N.J.
 KKG0371 Ken Yost, Sunset Lake Road, Newark, R.D. 1, Del.
 KKG0930 Lew Keen, South Chestnut St., Elverson, N.Y.
 KKG1280 Mary Diehl, 800 Mohican St., Bethlehem, Pa.
 KKG2520 Norman Betty, 3801 Newport Gap Pike, Wilmington, Del.
 KKG2712 Claude Dye, R.D. 3, Pottstown, Pa.
 KKG3616 Dom Viscuso, 2702 Green St., Feltonville, Chester, Pa.
 KKG3920 Rudy Freimann, 47 Barto Rd., Bally, Pa.
 KKG3987 John LeMay, 28 E. Water St., Gettysburg, Pa.
 KKG4062 Jeff Tyrler, 526 Sixth Ave., Collegeville, Pa.
 KKG4472 David Bubeck, 109 East Main St., Schuylkill Haven, Pa.
 KKG4482 Dave Petrucchi, 316 West Van Buren Ave., New Castle, Del.
 KKG4967 Tom Worley, R.D. 1, Womelsdorf, Pa.
 KKI0233 KKI0233 Houston Mullins, 321 Yorkshire Lane, Manassas, Va.
 KKI0569 Doug Leffert, 10 Westmoreland St., Westminster, Md.
 KKI0651 Charles Whetzel, Mt. Falls Route, Winchester, Va.
 KKI1418 Bennie Swarton, Bretz, West Virginia
 KKI2000 Tom Termini, 4611 Langdrum Lane, Chevy Chase, Md.
 KKI2031 Bill Dunlap, Rt. 4 Mexico Farms, Cumberland, Md.
 KKI2063 Jack Mory, 2501 Washington Blvd., Balto., Md.
 KKI2997 Don Breitzweiser, 947 Maryland Ave., Hagerstown, Md.
 KKI3328 Sid Rhodes, Box 32, Brunswick, Md.
 KKI3355 Donald Vaughn, 318 Mulhenny St., Woodstock, Va.
 KKI3416 Eugene Frye, Box 47, Augusta, W. Va.
 KKI0471 J.L. Kirkland, 707, Raleigh, N.C.
 KKK2366 Jack Barbour Jr., 1659 Old Buckroe Rd., Hampton, Va.
 KKK2869 Kelly Howard II, 415 Broad St., Oxford, N.C.
 KKK4396 Lynn Bailles, 3033 Maywood Road S.W., Roanoke, Va.
 KKK4410 Smylie Grantham, P.O. Box 364, Raeford, N.C.
 KKK5782 Richard Mitchell, 403 E. Delaware, Draper, N.C.
 KKK6182 Gordon Gallowan, 211 Butler Rd., Fredericksburg, Va.
 KKK6571 Vernon Taylor, Box 22, Altamahaw, N.C.
 KKK6606 Rob Dalton, Bland, Virginia
 KKK8094 Ron Lovery, Route 2, Box 292, Salem, Va.
 KKK8147 Lee Roy Runion, 127 Alred Lane, Fayetteville, N.C.
 KKK8262 Patricia Harris, P.O. Box 6, Bethel, N.C.
 KKM0562 Bill Gibson, P.O. Box 2004, Macon, Ga.
 KKM0735 Ebbie Odum, 140 Dupree St., Chester, S.C.
 KKM0911 Grady Hill, 205 Walnut St., Union, S.C.
 KKM1253 Buford Richey, 225 Davis Ave., Florence, Ala.

KKM2052 Linton Slappey, P.O. Box 52, Plains, Ga.
 KKM2213 Lee Harvey, 2478 Sharrondale Drive N.E., Atlanta, Ga.
 KKM4156 Fred Monday, 77 Brownwood Ave., Asheville, N.C.
 KKM7129 Carl Stapleton, Route 1, Box 179-N, Helena, Ala.
 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.
 KKM8374 Oswald Gibson, 206 E. Baruch, Denmark, S.C.
 KKN0258 Bill Powers, P.O. Box 104, Bowling Green, S.C.
 KKN0300 Steve Masten, P.O. Box 4, Boone, N.C.
 KKN0673 Randall Thomas, Box 108, Boone, N.C.
 KKN0793 G.W. Page Jr., Box 398, Lake View, S.C.
 KKN0882 F.L. Parmenter, 229 Ridgeway Rd., Hueytown, Ala.
 KKN1566 Joseph Fair Jr., Troy State College, Troy, Ala.
 KKN1884 Raleigh Melborn, Box 293, Boone, N.C.
 KKN1900 Dwight Edmisten, P.O. Box 544, Boone, N.C.
 KKN2631 Warren Stevens, 770 Longleaf Drive N.E., Atlanta, Ga.
 KKN2690 Carroll Rogers, III, Box 178, Middletown, Conn.
 KKN3229 T.J. Gibson, Box 564, Bennettsville, S.C.
 KKP0163 Jim Usry, 1206 Tennessee Ave., Lynn Haven, Fla.
 KKP1393 Jeep Rhoads, Rt. 6, Box 203, Lakeland, Fla.
 KKP1645 Henry McLeod, P.O. Box 126, Perry, Fla.
 KKP2232 Carol Sanders, 3209 Cherokee Ave., Tampa, Fla.
 KKP2242 Frank Wolfgang, 4729 Bay Vista Ave., Tampa, Fla.
 KKP4124 Joe Paigrin, 5111 68th Street North, St. Petersburg, Fla.
 KKP4260 Clark Dickinson, Rt. 2, Box 50, Perry, Fla.
 KKP4835 Jimmy Dekie, 2502 Jamie Cir., Orlando, Fla.
 KKR2939 Bobby Sanford, 111 King St., Columbus, Miss.
 KKR2942 Wayne Williams, 1305 Marquette, Tupelo, Miss.
 KKR3042 Bill Tarver, 3319 Poplar St., North Little Rock, Ark.
 KKR4584 Brent Stephenson, 7138 Seven Oaks Ave., Baton Rouge, La.
 KKR4656 Brad Brock, Route 1, Box 432, Vicksburg, Miss.
 KKR6231 Mike Anderson, P.O. Box 2626, Laurel, Miss.
 KKT3677 Jerry Smith, B-4-Z College View, College Station, Texas
 KKT3680 Le Winder, 4204 Oaklawn St., Bryan, Texas
 KKT3774 Bill Freeman, 4000 Nagle, Bryan, Texas
 KKV3836 Clarence Norton, 512 W. Broadway, Longview, Texas
 KKV4589 Paul Drennon, 2402 Anderson, Irving, Texas
 KKV7475 Don Chambers, 1420 Koberlin, San Angelo, Texas
 KKV8490 David Harper, 1907 12th St., Brownwood, Texas
 KKV5057 John Mercado, P.O. Box 5063, Santa Ana, Calif.
 KKV5201 Dale Fletcher, 54728 El Prado Trail, Yucca Valley, Calif.
 KKV6641 Harvey Ingersoll, 531 Edith St., Walla Walla, Wash.
 KKK7083 James Fuller, 405 Fillmore St., Taft, Calif.
 KKK7809 Joe Illions, 12929 Warren Ave., Mar Vista, Calif.
 KLA0821 Frank Munoz, 1284 Crowley Ave., Santa Clara, Calif.
 KLA1014 Bob Balanco, 2183 Altamont Road, San Leandro, Calif.
 KLA2060 Vic Pedro, 1637 23rd St., San Pablo, Calif.
 KLA2692 Jeff Stern, 2307-1J Pauline Dr., San Jose, Calif.
 KLA3291 Paul Linehan, 2 Estabueno Dr., Orinda, Calif.
 KLA3648 Jim Cox, 1865 Michigan, Stockton, Calif.
 KLA5173 Chuck Hopper, 480 Sonoma Blvd., Vallejo, Calif.
 KLA5339 Larry Horton, 2369 Mammoth Drive, San Jose, Calif.
 KLA5519 Cliff Anfinson, 1830-32nd Avenue, San Francisco, Calif.
 KLA5629 Carroll Hatchell, 2222 Sacramento St., Vallejo, Calif.
 KLA5847 Ray Broten, 40 Buena Vista, Vallejo, Calif.
 KLA6402 Bruce Farley, 3679 Bryant St., Palo Alto, Calif.
 KLA6569 Bob Wright, 1243 Sierra Mar Dr., San Jose, Calif.
 KLA7360 Larry Coxson, 1439 Terilyn Ave., San Jose, Calif.
 KLA7428 Jack Evans, P.O. Box 108, Ivanhoe, Calif.
 KLA7441 Jim Lovell, 17811 Indryen Rd., Geyersville, Calif.
 KLD0488 Ben Michel, 4616 So. Lucile, Seattle, Wash.
 KLD0511 Tex Warner, 506 Edith St., Walla Walla, Wash.
 KLD0953 Keith Howe, 9001 - 16th Ave. S.W., Seattle, Wash.
 KLD1817 Don Fletcher, 3432 So. 180 Pl., Seattle, Wash.
 KLD2095 Tom Vangesen, 319 No. 48th St., Seattle, Wash.
 KLD2095/2 K. Owen, 311 No. 48 St., Seattle, Wash.
 KLD2339 Gene Morris, E 8102 Valley Way, Spokane, Wash.
 KLD2362 Richard Spengler, Route 1 - Box 48, Grangeville, Idaho
 KLE0928 Doc Noyes, 52 S. 1st W., American Fork, Utah
 KLF1653 John McGuire, Box 12, Camp Douglas, Wis.
 KLF2980 Steve Butler, 822 North Glendale Ave., Tomah, Wis.
 KLH0171 Susie Roy, 1110 W. Walnut, Salina, Kansas
 KLH0568 Ray Farr, 600 No. 7th, Salina, Kansas
 KLH3541 Jim Walker, 2803 Lewis St., Biloxi, Miss.
 KLH4994 Jack Doggett, 8060 Dema Drive, Des Moines, Iowa
 KLE6583 William Royal Jr., Syracuse, Nebraska
 KLH7066 Francis Schuetz, R.F.D. 2 - Box 65, Remsen, Iowa
 KLH7398 Bob Carr, 1507 Jefferson, Great Bend, Kansas
 KLH7458 Chuck Stagner, 3833 East 68th St., Kansas City, Mo.
 KLH7531 Max Meisel, 1328 Westview, Derby, Kansas
 KLH8133 Norman Royal, Syracuse, Nebraska
 KLH8315 M. Anthes, 7804 Bloom Dr., Hanley Hills, St. Louis, Mo.
 KLI0176 Dale Shelley, 1416 Maple St., Dallas Center, Iowa
 KLI1365 Glenn Earney, 928 Olympia Dr., Ferguson, Mo.
 KLI1434 W.H. Stalons Jr., 3903 Garfield, Lincoln, Nebraska
 KLJ0255 Bob Pierce, 182nd St. - Box 382, Lansing, Ill.
 KLJ0440 Don Thielsen, 2803 Iroquois Trail, McHenry, Ill.
 KLJ0585 Ralph Buikema, 97 Keystone Ave., Fox Lake, Ill.
 KLJ1323 Dan Wright, 1336 Blaine Ave., Jancsville, Wis.
 KLJ2067 Butch Felmeten, 4401 West Shore Dr., McHenry, Ill.
 KLJ2755 Marri Dwtel, 290 S. Wheeling Ave., Wheeling, Ill.
 KLJ2946 Harold Bjorkquist, 8878 South 84th St., Franklin, Wis.
 KLJ3945 William Turner, 1728 Ford Ave., Owensboro, Ky.
 KLJ4142 Jon Kramer, R.F. 1, Box 45J, 606 Highland Dr., Trevor, Wis.
 KLJ4661 Don Hyland, R.F.D. 6, Decatur, Ill.
 KLJ4663 Bev Chappell, 3644 E. Minnie St., Decatur, Ill.
 KLJ5993 Bob Frankowiak, 1722 Brown Ave., Whiting, Ind.
 KLJ6057 Myrtle Hittle, 1601 So. 4th St., Richmond, Ind.
 KLJ6167 Ron Kman, 7848 So. Austin, Oaklawn, Ill.
 KLJ7357 Bachman, 2725 Vinton Ave., Rockford, Ill.
 KLJ8259 Jack Jackson, Jackson's Texaco, Morocco, Ind.
 KLJ8388 Tom Ebert, 2217 Cliff Road, Burlington, Iowa
 KLJ9180 Jerry Gaughan, 1826 Davis Ave., Whiting, Ind.
 KLJ9214 Pat Wasson, 200 S. 8th, Box 503, Maywood, Ill.
 KLJ9236 Jane Bachman, 2725 Vinton Ave., Rockford, Ill.
 KLK1408 Pat Adams, 509 May Street, Sumner, Ill.
 KLK1623 Ada Gordon, 419 W. Grand Ave., Decatur, Ill.
 KLK1923 Tom Stables, Bethany, Ill.
 KLK1975 W.H. Willett, Lewisport, Ky.
 KLK2079 Russel Smith, 107 So. State St., Louisville, Ky.
 KLK2149 Rexford Niccum, R.F.D. 1, North Manchester, Ind.
 KLK2323 Joe Wajda, 3018 N. Nottingham Ave., Chicago, Ill.
 KLK3310 Tom Wells, 911 Oakley St., Evansville, Ind.
 KLK3619 Matt Loeffler, 2169 South 64th St., West Allis, Wis.
 KLK3653 Art Prior, Route 1, Box 2, Trevor, Wis.
 KLK4588 Ruth Cople, 1749 W. Ravina Park Rd., Decatur, Ill.
 KLK4593 Jerry Terry, 7807 Yates Blvd., Chicago, Ill.
 KLK4830 Francis Wagner, Elizabethtown, Indiana
 KLK4886 Charlotte Stearman, P.O. Box 326, Albany, Ill.
 KLK4918 Carl Elpers, 338 Wheatland Ave., Logansport, Ind.
 KLD5005 Dave Karr, 320 Maplewood Dr., Antioch, Ill.
 KLK5031 Jon Engle, 901 South Harlem, Freeport, Ill.
 KLK5502 Dick Crider, 3033 Ute Ln., Lafayette, Ind.
 KLK5617 Chuck Sylvester, 1629 East 86th Place, Chicago, Ill.
 KLK5768 John Paiz, 2840 So. Kenneth Ave., Chicago, Ill.
 KLK5810 Irving Felder, 2131 So. 15th Place, Milwaukee, Wis.
 KLK5898 John Krefz, 503 Ravine Dr., Round Lake, Ill.
 KLK6181 Jim Lostlen, c/o Artiste Corp., Wisconsin Hotel, Milwaukee, Wis.
 KLK6778 George Joslyn, 4819 Wright Terr., Skokie, Ill.
 KLK6914 Terry Vosepka, 273 So. Karlov Ave., Chicago, Ill.
 KLK7004 Wm. Porath, 985 Reddin Avenue, Neenah, Wis.
 KLK7288 Bill Ohnesorge, 551/2 Bluff St., Dubuque, Iowa
 KLK8104 Bob Chambers, R.R. 2, Bloomington, Ill.
 KLK8300 Marilyn Kempf, Rte. #1 - Box 298, Cambridge, Wis.
 KLK8405 Betty Dungan, 208 N. Main St., Dunkirk, Ind.
 KLK8815 Dick Hadley, 607 Wesley Street, Huntington, Ind.
 KLK9539 Mike Geiger, Box 83, Culver, Indiana
 KLL0077 Don Field, 112 Monee Road, Park Forest, Ill.
 KLL0146 David Greer, 708 Peveler Drive, Russellville, Ky.
 KLL0228 Leonard Westemeyer, 509 1/2 W. 8th St., Dubuque, Iowa
 KLL0681 Dick Stichter, 851 E. Pleasant St., Freeport, Ill.
 KLL0809 Fritz Stearman, Albany, Ill.
 KLL1180 Doug Grimes, 2824 Downing Ave., Westchester, Ill.
 KLL1281 Tom Wilson, 1603 Ruth Ann Drive, Centralia, Ill.
 KLM0922 Bill Kasprzak, 236 Ontario Rd., Niles, Mich.
 KLM1447 Lee Collins, 4814 Sundale, Drayton Plains, Mich.
 KLM3971 Ray Gould, 1806 Kim Ave., Kalamazoo, Mich.
 KLM4219 Eddie Welch, 177 Broadway Ave., Masury, Ohio
 KLM4842 Bessie Hazen, 231 North Mead St., Zanesville, Ohio
 KLM5051 Jim Swartz, 62 Stadium Drive, Tallmadge, Ohio
 KLM5233 Cecil Campbell, 5687 Eldridge, Pontiac, Mich.
 KLM6265 Terry Wright, 525 South Downing Street, Piqua, Ohio
 KLM7763 Jim Warner, 836 Pensacola, Pontiac, Mich.
 KLM7788 Charles Holland, 942 Lingle Ave., Owosso, Mich.
 KLM8313 Bob Sizemore, 7807 Hope Ave., Cleveland, Ohio
 KLN0934 Leonard Beaudry, 32821 River Road, E. Rockwood, Mich.
 KLN1209 Ollie Ramey, 2922 Cypress St., Portsmouth, Ohio
 KLN1732 Art Lucas, 1011 W. Cherry Creek Rd., Mio, Mich.
 KLN1932 Rodney Brown, 1812 Woodland Drive, Coshocton, Ohio
 KLN2082 Bob Browning, 1217 North Ave. N.E., Massillon, Ohio
 KLN3127 Jim Stroud, 10 Huntington Place, Kettering, Ohio
 KLN3497 Ed Newton, 2120 Irving Drive, Benton Harbor, Mich.
 KLN3731 Norm Sieggreen, 1532 N. Bond, Saginaw, Mich.

KLN4366 Grant Bryan, 669 Harvard St., Akron, Ohio
 KLN4898 Ernie Zam, 2737 Northvale Rd., Oregon, Ohio
 KLN5410 Bill Schmid, 734 N. 11th St., Miamisburg, Ohio
 KLN5598 Rawlings Funeral Home, London, Kentucky
 KLN5649 Roy Wallington, Route 1, Box 19, Augres, Mich.
 KLN5768 Jim Nooney, Falling Rock, West Virginia
 KLN5784 Kitten Bryan, 669 Harvard St., Akron, Ohio
 KLN6155 Bob Mills, 3802 Ash St., Kalamazoo, Michigan
 KLN6235 Fritz Caccia, 3749 Longfield, Ravenna, Ohio
 KLN6367 Tom Getgood, 426 Mitchell St., Sanford, Mich.
 KLN7344 John Arnold, 8 E. Main St., Trenton, Ohio
 KLN7377 Melvyn Rapaport, 2459 Foster NE, Grand Rapids, Mich.
 KLN7841 Grace Beaudry, Route 1, Rose City, Michigan
 KLN8105 Jan Rodabaugh, 10078 E. Coldwater Rd., Davison, Mich.
 KLN9155 Evans Johnson, 115 McKee, Manistee, Mich.
 KLN9260 Tom Maley, 173 Wilson Ave., Niles, Ohio
 KLN9345 Jim Stephens Jr., 132 Lawnview Ave., Springfield, Ohio
 KLN9798 Gene Neumann, Box 294, Bucyrus, Ohio
 KLN9961 Orville Bluhm, 1483 F. Bellum, Muskegon, Mich.
 KLO0175 Paul Manville, 1736 Lombardy, East Highland, Mich.
 KLO0366 Pete Snyder, 4321-10th Ave., Parkersburg, W. Va.
 KLO0519 Don Jones, R.R. #2, Lawrenceburg, Ky.
 KLO0598 William Lechner, 4441 Parnell, Pontiac, Mich.
 KLO0754 Marvin Goff, 1524 Maryland Ave., Springfield, Ohio
 KLO1270 Bob McClellan, Box 51, 203 Furnace Ave., Elberta, Mich.
 KLO2233 Mike Frogde, Box 196, Mt. Sterling, Ky.
 KLO2394 Howard West, 3711 Van Stone Drive, Milford R.3, Mich.
 KLO2476 Barbara Rance, R. R. 3 - Box 135, Vicksburg, Mich.
 KLP0319 Pete Hons, 614 Main St., Portage, Pa.
 KLP1619 Joe Martin, 500 1/2 Porter St., Watkins Glen, N.Y.
 KLP1938 Gregory Dovey, 109 Inroquois St., Johnstown, Pa.
 KLP2846 Harold Greba, 610 Henry Lane, Irwin, Pa.
 KLP4032 Milan Abbott, R.D. 1 Geneva Road, Lyons, N.Y.
 KLP4360 Earl Bonenblust, 515 Whiting Rd., Webster, N.Y.
 KLP4976 Dick Todd, 157 Hobart St., Utica, N.Y.
 KLP5005 Bud Fowkes, 1031 5th Ave., Duncansville, Pa.
 KLP5033 Tom Zawrotny, Rathbone, N.Y.
 KLP5609 Mike Shamberger, Box 201, Brackney, Pa.
 KLP5686 Charles Johnson, 332 Huron Ave., Renovo, Pa.
 KLP5748 Butch Frazier, Halfacre, R.D. #3, Auburn, N.Y.
 KLP5750 Harlen Wood Sr., Box 526, Star Lake, N.Y.
 KLP6039 William McKenna, 1354 Davis St., Elmira, N.Y.
 KLP6053 Bob Clouser, 810 S. Wayne St., Lewistown, Pa.
 KLP6486 Harry Butler, West Fort Ann, N.Y.
 KLP6626 Wallace Nolen, 12 Chase St., White Plains, N.Y.
 KLP6639 Don Berman, 121 W. Ross St., Wilkes Barre, Pa.
 KLP6705 John Fox, P.O. Box 92, New York Mills, N.Y.
 KLP7326 Robert Hurley, R.D. 1, Waynesboro, Pa.
 KLP7516 Millie Widmeyer Jr., Box 99-A - Martha St., Hopwood, Pa.
 KLP7578 David Moss, P.O. Box 61, Endicott, N.Y.
 KLP7749 Ray Bronder, 416 9th St., Monessen, Pa.
 KLP7848 Bryan May, 147 Old River Rd., Wilkes-Barre, Pa.
 KLP7879 Clarence Peet, Box 73, Port Crane, N.Y.
 KLP8083 Howard Davidson, 26 Knight St., Glens Falls, N.Y.
 KLP8509 Leonard Dotys, Monessen, Pa.
 KLP8791 Jim Smith, R.D. 3, Fort Plain, N.Y.
 KLP8809 Don Shumaker, 147 Greenbrier Dr., Carnegie, Penna.
 KLP9022 Fred Peterson, 515 South Main St., Jamestown, N.Y.
 KLP9135 Tom Bryan, 409 West 4th St., Erie, Pa.
 KLP9464 Fred Sherman, Beech Creek, Penna.
 KLP9481 Ken Ingram, 507 13 St., Altoona, Pa.
 KLP9534 Steve Delorm, 258 Spencer Rd., Rochester, N.Y.
 KLP9557 George Booth, 971 Sweeney St., North Tonawanda, N.Y.
 KLP9618 Bill Lohnes, Box 176, Round Lake, N.Y.
 KLP9656 Irvin Kimmel, P.O. Box 14, Tire Hill, Pa.
 KLP9773 Ron Crown, 764 Merchants Rd., Rochester, N.Y.
 KLP9789 Ed Kindervater, Box 404, Hopwood, Pa.
 KLP9831 Jerry Sherry, 51 Amador Pkwy., Rochester, N.Y.
 KLO0114 Roger Hamm, 1447 Union Center, Endicott, N.Y.
 KLO0123 Paul Blewett, 615 Valley St., Lewistown, Pa.
 KLO0391 Jim Conners, 10 Tobes Hill, Hornell, N.Y.
 KLO0423 Roy Clinch, Vernon Center, N.Y.
 KLO0457 Charles Goughnour, 207 Coldren St., Johnstown, Pa.
 KLO0460 Ken Probst, 43 East Church St., Lock Haven, Pa.
 KLO0888 Steve Pfaff, 204 S. Fairview St., Lock Haven, Pa.
 KLO1059 William Nagurney, 727 Marion St., Scranton, Pa.
 KLO1132 Gerald Bach, 206 Ottawa St., Johnstown, Pa.
 KLO1173 Lester Finnegan Sr., 8171 Main St., Williamsville, N.Y.
 KLO1273 Bill Gilligan, R.D. 5 - Box 171, Latrobe, Pa.
 KLO1294 Koffee Ground, Box 241, Frankfort, N.Y.
 KLO1459 Terry Wilday, 47 W. Montgomery St., Lion, N.Y.
 KLO1560 Judy Kurlanchek, 242 East Dorrance St., Kingston, Pa.
 KLO1985 Ronnie O'Neill, 72 Academy St., Wilkes-Barre, Pa.
 KLO2202 Raymond Vonada, 304 James St., Flemington, Pa.
 KLO2217 Don Anderson, 528 Ridge Ave., Cannonsburg, Pa.
 KLO2302 Bill Caccia Sr., Box 67 - R.D. #4, Greensburg, Pa.
 KLO2519 Dick Pomerleau, 881/2 Lincoln Ave., Saratoga Springs, N.Y.
 KLU0148 Daniel Miller, Land Of The Midnight Sun Broadcasters
 KLU0267 Arno Stortzum, 909 Chugach Dr., Anchorage, Alaska
 KMA0060 Norman Harold, 27 Blantyre Rd., Malden, Mass.
 KMA0517 Earl Holbrook, 29 Maynard St., Attleboro, Mass.
 KMA1395 Ray Martel, 143 Parker St., New Bedford, Mass.
 KMA1685 Henry Fratus, 384 Adelaide Ave., Providence, R.I.
 KMA2378 E. L. Bradshaw, 114 Walter St., Bangor, Maine
 KMA2393 Paul Bond, W. Lebanon, N.H.
 KMA2485 Richard Herring, Houlton, Maine
 KMA3491 Chris Marinelli, 45 Milton St., New Britain, Conn.
 KMA3939 Johnny McGann, 50 Coombs St., Southbridge, Mass.
 KMD0173 Monte Capri, 4622-16 Ave., Brooklyn, N.Y.
 KMD0252 Mike Shannon, 637 C 2nd St., Somerville, N.J.
 KMD0428 David Bellack, 1159 E. 42 St., Brooklyn, N.Y.
 KMD0992 David Huneke, 518 Mountain Ave., Springfield, N.J.
 KMD1113 Richard Harvey, 133 Morris Ave., Summit, N.J.
 KMG0107 Dick Kreidler, 374 S. Main St., Manheim, Pa.
 KMG0201 Gerry Hunsicker, 311 9th Ave., Collegeville, Pa.
 KMG0471 Charlie Stauffer, R.D. #1, Holtwood, Pa.
 KMG0791 Gregory Pace, 910 Redwood Dr., Carlisle, Pa.
 KMG0801 Don McDonald, 3713 Valley Brook Drive, Wilmington, Del.
 KMI0032 Steve Ray, 516 E. Olive St., Bridgeport, W. Va.
 KMI0229 Tye Becker, 6 Jo Harry Rd., Fairmont, W. Va.
 KMI0928 Jim Shaffer, 109 South Front St., Georgetown, Del.
 KMK0568 Jack Prigden, 408 W. 19th St., Lumberton, N.C.
 KMM0085 Eldon Potts, Iola St., Franklin, N.C.
 KMM2386 Linda Chaffin, 505 First Ave., Mt. Pleasant, Tenn.
 KMP0458 Dave Pybus, 122 Keystone Plaza, Panama City, Fla.
 KMP0707 Jimmy Roberts, 2304 Palmdale St., Jacksonville, Fla.
 KMP0848 Jim Skidmore, Route 2, Box 281, Palatka, Fla.
 KMR0014 Mark Stevens, Route 6, Box 321, El Dorado, Ark.
 KMR0848 Scott Allen, 1090 Meadow Heights, Jackson, Miss.
 KMR1149 Linda Loftin, Rt. 1 - Box 429, Deridder, La.
 KMR1383 John Funk, Route 4, Paragoud, Ark.
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 KMX0684 Lois Fletcher, P.O. Box 924, Yucca Valley, Calif.
 KND0168 Barry Simpson, 4819 So Fife, Tacoma, Wash.
 KNH0786 Bill Howard, 2700 Grandview Ave., Des Moines, Iowa
 KNH3016 Lee Glore, 101 Fannie, Lemay, Mo.
 KNJ0122 Glenn Flury, 936 Rock St., DuBuque, Iowa
 KNJ0939 Charlotte Baxter, R. 2, Box 342, Sherrill, Iowa
 KNJ1227 Carl Gallie, 2229 Ohio, Granite City, Ill.
 KNJ1364 John Incisi, 2817 Buckingham, Westchester, Ill.
 KNJ1768 Weldon Coldren, 10 No. East St., Wabash, Ind.
 KNJ3086 Janet Stanley, 334 N. Franklin St., Dunkirk, Ind.
 KNJ5888 Harold Peck, 1344 Huestis Ave., Fort Wayne, Ind.
 KNM0578 John Fiediga, 30430 Eddy Rd., Willoughby, Ohio
 KNM1400 Gerald Kochoer, Route 7, New Martinsville, W. Va.
 KNM1533 Glen Wright, Rt. 1 - Box 122 A-1, Hurricane, W. Va.
 KNM1603 Bob Factor, 18 Hickory St., So. Zanesville, Ohio
 KNM2322 Chuck Sisler, 140 Montgomery Lane, Mingo Junction, Ohio
 KNM2840 Henry Warden, 1507 St. Clair St., Covington, Ky.
 KNM3486 Norin Van Heste, 601 T.C.S. DET 300, APO N.Y., N.Y.
 KNM3839 Skye Wittig, 603 Spruce St., Manistee, Mich.
 KNM4121 Marion House, P.O. Box 357, Winchester, Ky.
 KNM4813 Jim Waters, 28 S. Pembroke Ave., So. Zanesville, Ohio
 KNP0061 Roy Reynolds, Box 14, Elbridge, N.Y.
 KNP0126 Earl Sprague, Port Henry, N.Y.
 KNP0224 Dave Latina, 458 Harvest Drive, Rochester, N.Y.
 KNP0368 Tom Albertin, 60 Northern Blvd., Haganan, N.Y.
 KNP0457 Jeff Ohlsson, 86 Bowen St., Jamestown, N.Y.
 KNP0567 Bob Ivanoff, 726 Ellsworth Ave., Jeannette, Pa.
 KNP1200 Chuck Kratochvil, 111 Cort St., Jeannette, Pa.
 KNP1444 Mary Clark, 863 Monaca Rd., Monaca, Pa.
 KNP1445 Earl Roehl, 861 Monaca Rd., Monaca, Pa.
 KNP1806 John Rosen, 431 Jackson St., Summerhill, Pa.
 KNP2225 Bob Madison, 1515 Edgar Ave., Chambersburg, Pa.
 KNP2429 Bob Bialecki, 17 Roser St., Rochester, N.Y.
 KNP2915 John Bryant, Route #4, Brookville, Pa.
 KNV0070 Pat Parker, 1023 - 16 St. N.E., Washington, D.C.
 KNZ1903 George Abele, 220 Reese St., Sandusky, Ohio
 XM23597 Byron Orge, P.O. Box 1122, Medicine Hat, Alb., Canada
 XM412800 Skippy Massam, 66 Guthrie Ave., Toronto, Ont., Canada
 XM414109 Doug Ailles, 48-22nd St., Toronto, Ont., Canada
 XM43614 Jacob Fehrman, R.R. 1, Port Colborne, Ont., Canada
 XM431259 Denis Dubois, Box 71, Welland, Ontario
 XM522895 Bernard Rachlin, 2615 Kent Ave. #204, Montreal, Quebec

Continued on page 67

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It's finally on the presses, the big, giant, fantabulous, ever lovin' WHO'S WHO IN CB DIRECTORY 1965-66! Yes, the vital statistics on every "In" CB'er on the band; hundreds upon hundreds of listings showing callsigns, names, addresses, telephone numbers, monitoring channels, club affiliations, hobbies, ham calls, etc., also a personal message from almost every CB'er listed especially for you. This rare first edition (a limited print run), containing over 1500 listings, will shortly be mailed out to those CB'ers who have reserved their copies.

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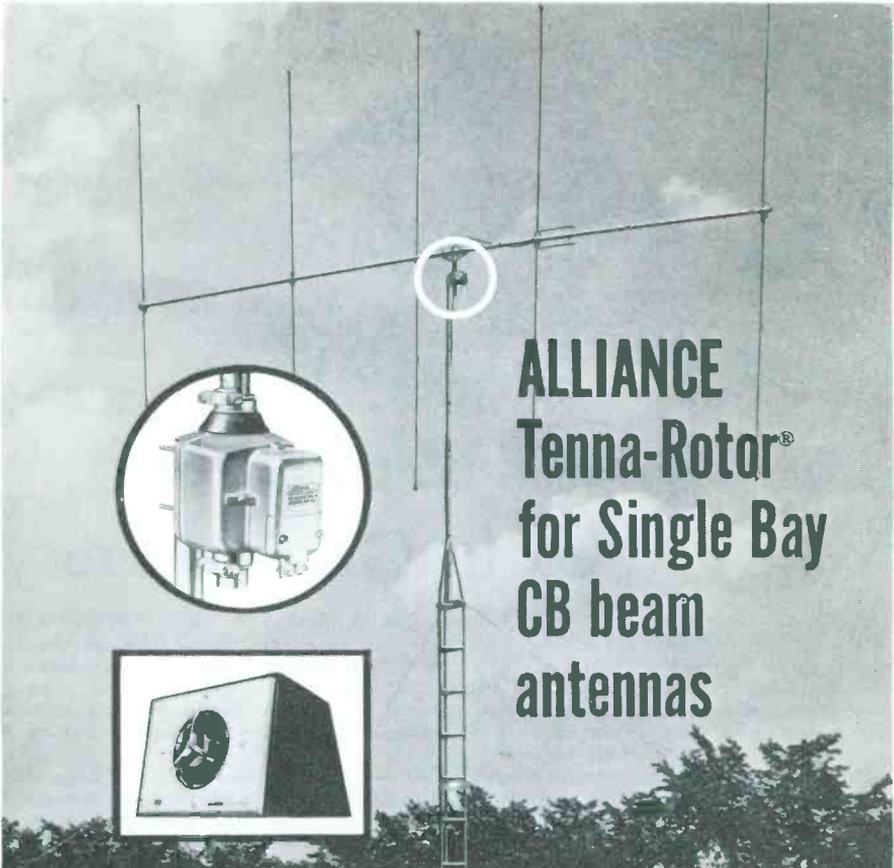
Who's Who In CB Directory 1965-66
% Cowan Publishing Corp.
14 Vanderventer Avenue
Port Washington, N. Y. 11050

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Address: _____
City _____, State: _____, Zip: _____

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

Special club subscription rates for 59

July 1965 • 65



ALLIANCE Tenna-Rotor[®] for Single Bay CB beam antennas

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

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

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

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

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

All this with noiseless control.



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



WASHINGTON OUTLOOK

Continued from page 43

19Q1604, Ronald Jones, Buckeye Lake, Ohio. KDB5274, Wyman E. Shipes, Baxley, Ga.

- These were reduced from \$100 to \$50: KDD9691, Ronald Lee Harris, Austell, Ga. KKP2719, Thomas L. Odem, Sr., Hialeah, Fla.

- This CB'er had his \$200 fines reduced to \$50:

6Q2215, Howard Goff Co., Chattanooga, Tenn.

In other FCC CB actions, they granted the petition of Mike Hiott, 6Q1698, Round "O," S.C., for reconsideration of the May 12th (1964) order which revoked his license for repeated failure to respond to official communications; set aside order and terminated proceeding. Payment of reduced amount of forfeiture has been made and respondent has taken corrective action to assure that Commission correspondence will be answered in the future.

The FCC stayed until October 5, unless set aside or affirmed by a subsequent order, the May 4 effective date of March 26th order with revoked the CB license of Charles H. Eyre, d/b/a Val-Eyre, Brownsville, Texas, pending action on Eyre's request for reconsideration.

They ordered Alice E. Mitchell, KFA0767, Ontario, Calif., to pay full amount of a \$100 forfeiture of which she was notified on July 16, 1964; offer to pay a reduced amount was not extended in view of extensive violation history and other aggravating circumstances.

Hearing Examiner Jay A. Kyle issued an Initial Decision looking toward revoking the license of Melvin S. Welch, KDB0264, Memphis, Tenn. (formerly of Stone Mountain, Ga.), for repeated violations of 95.81(a) and (f) and 95.87 by using nonpermissible communications, failing to observe a silent period of two minutes between communications with units of other stations, and by failing to identify call sign of station.

The FCC dismissed a proceeding on order to Russell John Verona, 18QA1718, Ottawa, Ill., to show cause why his license should not be revoked. License has been cancelled, thus rendering the issues moot.

Proceedings were dismissed against David Kent Harroe, Whittier, Calif., same reason as above.



COMING EVENTS

Continued from page 57

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

4th Annual Convention and Jamboree of MCEU, Inc. will be held in Fremont, Nebraska, July 17th and 18th.

Greene County CB Club of Lyons, Jamboree at Dairness County Fairgrounds, Elora, Indiana, August 7th and 8th. Top feature will be Auto Thrill Show sponsored by Buzzy

McCannon, local Chevrolet dealer.

6th Annual Virginia State Citizens Band Radio Association Convention and Trade Show, August 21st and 22nd, at the Jefferson Hotel in Richmond, Virginia. Displays galore and fun for all. So come on down. Contact: VSCBRA, P.O. Box 4581, Richmond 29, Virginia.

Hubbard Trail X-talers CB Radio Club, 2nd Annual CB Jamboree, July 3rd and 4th, in conjunction with the American Legion Ira Owen Kreeger Post #384, 4th of July celebration at McFerren Park Civic Center, Hoopston, Ill. Contact: Walter Alkire, KJL4437, 112 N. Market St., Hoopston, Ill.

So-Cal CB County Fair, Sunday, July 11th at Mint Canyon Community Center, Solemint Junction and Mint Canyon Highway. Admission FREE. Loads of door prizes and 2 great big BIG DOOR PRIZES. Contact: Leslie N. Cannell, KFA6882, 7038 W. 85th St., Los Angeles, California.



CB CHIT CHAT

Continued from page 54

regulate the use of CB service among the CB users of the area.

The club's function is to assist any enforcement agency in the area and to participate in Civil Defense.

The membership has grown to where there are 40 today.

The present officers are: President, Tom Moody, 7W-3227; Vice President, Fred Kelley, KDH3031; Acting Secretary, Bob Cuddy, KKP2180; Treasurer, Bob Cuddy, KKP2180; Reporter, Carl Kendrick, KDI1341.

The club has in its hands today a 26 foot trailer car which serves as an emergency communication and rescue headquarters. The trailer is equipped with: Pierce Simpson CB Transceiver, Civil Defense Transceiver, Police and Highway Patrol Monitors, can be equipped with a ham rig in time of need, 3,000 watt bottle-gas emergency portable generator, telephone, an dthe central parking place for the trailer is next to a 200 foot water tower on which is mounted a Mag. Ant. The club can cover a 4 county area in time of need (Hillsborough, Pinellas, Pasco and Polk Counties).

As of April 13, 1965 the monitoring channel for the club is channel 9. The emergency channel is 18.

March 8th-13th, the Strawberry Festival was held in Plant City. The club parked their emergency trailer on the Fair Grounds and the trailer was manned each day from 1:00 P.M. until 11:00 P.M. at night. A ham rig was mounted, the CB set monitored, the CD rig monitored, and the Police and Highway Patrol receivers monitored. A phone was hooked up and served for relay of messages. The trailer was used as an emergency communication center, aid station to the weary fair-goer, and as an exhibit of the club.

The club's call is: KKP3840.

Officers of the Venice Area CB Club include: President, Robert Stephens, KKP1841; Vice President, Irene Showacre, KDI5004; Secretary, Janet Fox, KKP1503; Treasurer, Charles Van Meter, Jr., KKP1048. Editor of their club paper is Walt E. Histed, KDH1834, who as in the past has done a great job. Interested parties wishing to secure their paper should contact Walt at: 4218 Groveland Ave., Sarasota, Florida 33581.



SWAPPERS UNLIMITED

Continued from page 59

XMS22987 Lorne Rother, 5590 Beamister Place, Montreal, Quebec
XMS3463 Francois Goyer, 259 rue Moisan, Drummondville, P.Q.
XMS6066 Gilles Petit, 409 St. Joseph, La Tuque, P.Q. Canada
XM65390 W. Allison Capson, 644 Rothesay Ave., St. John, N.B.
Atl. 1515 Rob Dalton, Bland, Virginia
Cent. 2340 Dave Coyle, 602 Elm, Coffeyville, Kansas
Cent. 3250 David Sigo, Rt. 1, Box 153, Goodland, Ind.
North3020 Robert Ream, 608 High St., Lancaster, Pa.
North3205 Hot Rodder, Box 824, Utica, N.Y.
North3206 Korky, Box 241, Frankfort, N.Y.
North3216 Bob Denholtz, 41 Farmstead Rd., Short Hills, N.J.
North3300 Tom Bolling Jr., 233 Temple St., Fredonia, N.Y.
ROYAL42 W. Allison Capson, 644 Rothesay Ave., St. John, N.B.
WPE1GHX Roger Murphy, 48 Ridgewood Ave., Keene, N.H.
WPE2LUX Komical Kube, Box 241, Frankfort, N.Y.
WPE2NHW Gerry Schechter, 3535 Kings College Pl., Bronx, N.Y.
WPE2NIR Tommy Berlinger, 105 Mount Hope Place, Bronx, N.Y.
WPE3FSC Robert Ream, 608 High St., Lancaster, Pa.
WPE4CNR Bill Orton, 914 Altamaha St., Chattanooga, Tenn.
WPE4ENC Jimmy Bullock, 1628 Long Ave., Nashville, Tenn.

- WPE4HIL Glenn Strickland, Rt. 4, Box 205, Louisburg, N.C.
- WPE4HYO William Cody, Box 412, Jamestown, Tenn.
- WPE4IIT Charles Johnson, 314 - 6th St. S.W., Charlottesville, Va.
- WPE6ETT Harry Okey Jr., P.O. Box 1526, La Jolla, Calif.
- WPE6CBC Henry Slade, 136 Tamarack St., Vandenberg AFB, Calif.
- WPE9HMN Bill Lindvall, 8103 Revere St., Rockford, Ill.
- VE1PE3L Gregg Calkin, 174 Waterloo St., Saint John, N.B.
- VE1PE6X Andy McLeilan, P.O. Box 631, Saint John, N.B.

Hey gang! How about doing the 59 crowd a big favor this month by sending off your QSL card to Mark Ehren, KKD9310, c/o EICO Elec. Inst. Co., 131-01 39th Ave., Flushing, N. Y. 11352. As we said, you will be helping us out and Mark too.

- VE3PE1LO Keith Ryan, 1641 Grasmere Cres., Ottawa, Ontario
- VCC1435 Frank Karcher, 3632 SW 7th St., Miami, Fla.
- ONL170 Jacquet Camille, UBA P.O. Box 634, Brussels, Belgium
- OZDR1261 Palle Nielsen, Humlebaekgade 13'', Copenhagen N, Denmark
- Richie Krug, 11 Emmett St., New Hyde Park, N.Y.
- Ralph Bryant, 716 Riverside Dr., Fairfield, Conn.
- Ruth Charon, 109 Bowers St., Holyoke, Mass.
- Jack Allen, 203 Ave F., Brooklyn, N.Y.
- Central Printing, 920 Vandeventer, Fayetteville, Ark.



SSB & VOX

Continued from page 22

to be worked out on CB just as the hams have done. On 20 meters, for example, the SSB men have traditionally stuck to the upper part of the band and left the lower part to AM. But as SSB gets more and more operators and AM remains with fewer, SSB is pushing its way down the band. On CB, we might try the same sort of thing, with the higher-numbered channels informally assigned to SSB. But inevitably, one-by-one, the channels will fall to SSB, and sometime in the foreseeable future, the last AM carrier will sign off from Channel 1, and the future will be here.

By that time, of course, all of us old-time SSB men will be muttering in our beards about PSQSB (Phase-Shift QuarterSideBand) which is creeping down on us from Channel 23—or whatever the newest angle in future communication will be. It's bound to happen.



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67 N. Cherry St., Galesburg, Illinois.

CB IN ACTION



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

Congratulations to Richard L. Williams and his wife for their award winning CB in Action experience. Another example of the many fine contributions made by CB'ers to their communities.

"Dear Les,
"I don't know if a relatively new CB'ers experience has a place among your 'CB in Action' stories or not since most of them apparently come from oldtimers in the CB world. However we are certain that none of them were made aware of the usefulness of CB sooner than my wife and I.

"I am a Medical Special Operations Technician attached to the Navy SEAL team in Coronado, California. My job calls for me to remain well versed in all phases of diving and diving medicine as well as parachuting, demolition, etc.

"We purchased our first CB set, turned it on a little after dark and the first transmission we heard was from the local CB equipped ambulance (KKX0123). He had a young sports diver as a patient, suffering from the bends and in critical condition. This was their first case of bends so they did not know where to take him for treatment. They requested and received the 10-20 of two recompression chambers. One was located on a ship that had put to sea that morning. The other was a 30 minute drive from his present position and not manned at that time of the evening with personnel qualified to render treatment. The drive and the time it would take to round up the people necessary to render treatment might prove too long since at this stage, time was almost life. My first transmission on the CB rig was to break in with the 10-20 of our recompression chamber. While I headed for the base to render treatment and operate the chamber, my wife altered the necessary personnel by land line. Treatment was started immediately and the then convulsing patient and ended 39 hours later when we emerged from the chamber. The fully recovered patient's first remarks were how good it seemed to get outside that 6 x 12 foot pipe and how thankful he was that the CB radio existed—especially the one in my home.

"Upon returning home my wife remarked that the outward appearance of the set might be improved if she were to implant an axe in it, since as a result of the rig we had missed a planned weekend. This remark was of course all in jest as we are and will remain glad that we were able to utilize our radio in such a manner.

Richard L. Williams and Spouse, KKK8840
1562 Marble Court
Chula Vista, California 92011"

WIN A COMPANION II

You can also win a Companion II for your CB IN ACTION story. Simply tells us about any experience in which CB was used to help your community. Write Les Hench, Sales Manager, Pearce-Simpson, Inc. P.O. Box 308, Riverside Station, Miami, Florida 33135.

Always say you saw it in S9

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.

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

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

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

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

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

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

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

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



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

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

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

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

QSL's. Lowest prices anywhere! Different, eye-catching, samples 5¢, NU-PRINT, 322 Page Blvd., Springfield, Mass. 01104.

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

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JAMES KNIGHTS. Crystals for CB radios. \$2.00 each, del. no COD's, Lee's Electronic Service, Hengar, Ala. 35978.

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

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

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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.

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

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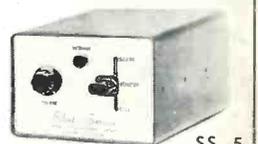
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