

14 SURPLUS G.I. RIGS FOR 11 METERS!

JULY 1966

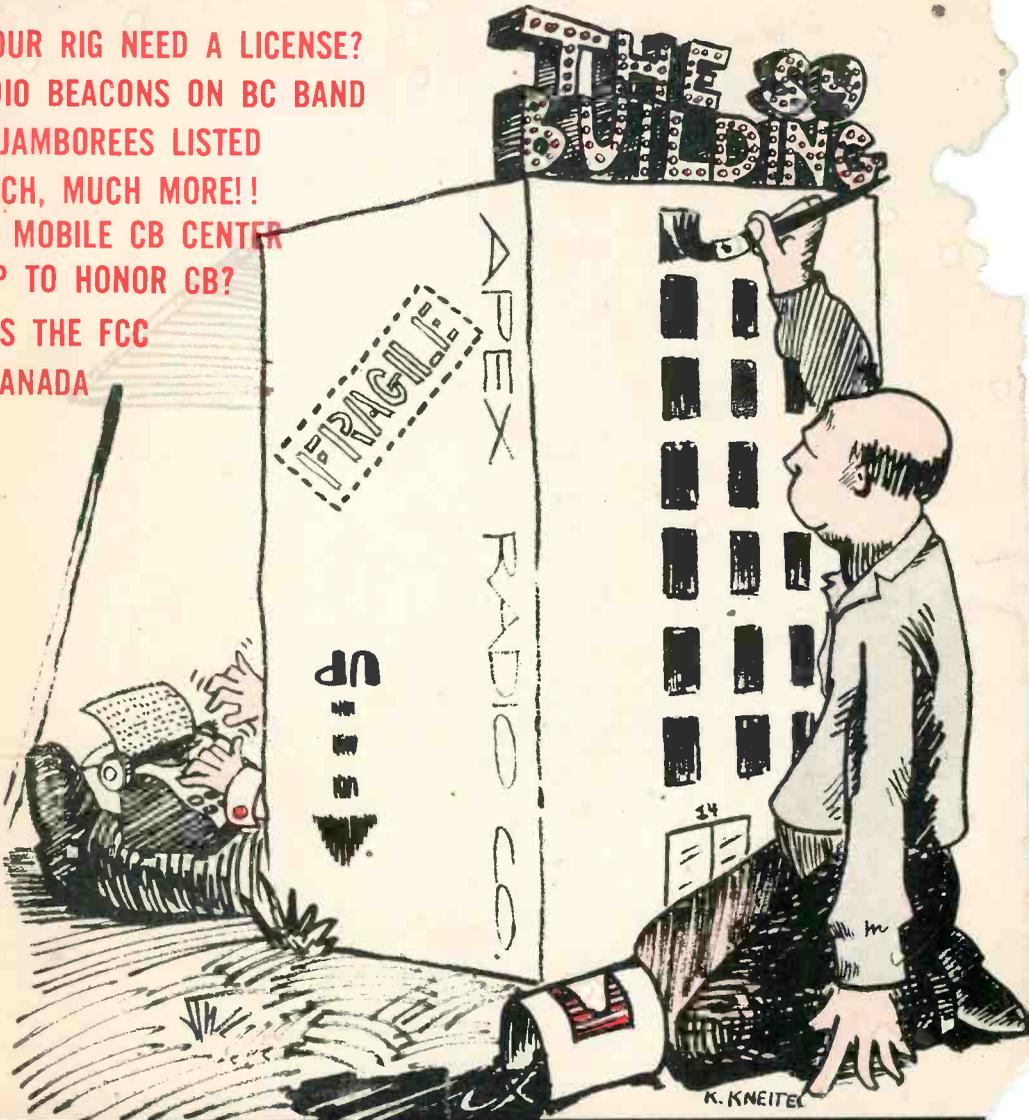
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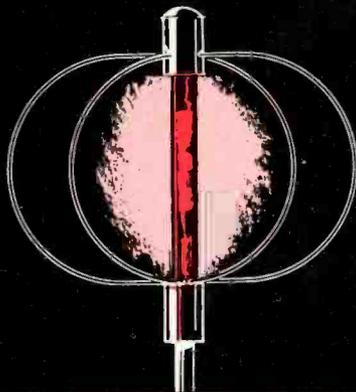
the citizens band journal

DOES YOUR RIG NEED A LICENSE?
273 RADIO BEACONS ON BC BAND
BIG CB JAMBOREES LISTED
AND MUCH, MUCH MORE!!
BUILD A MOBILE CB CENTER
A STAMP TO HONOR CB?
S9 VISITS THE FCC
CB IN CANADA



The OFFICIAL CB RADIO MAGAZINE

A bunch of us
were sitting around
trying to come up
with a really big new
idea in citizens band
base station antennas,
when suddenly . . .
a light went on!



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—totally new idea in CB
base antennas from the idea
people!

Model M-148 CO-AX OMNI ANTENNA WITH **VISUAL RF OUTPUT INDICATOR!**

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CB net price: \$29.95



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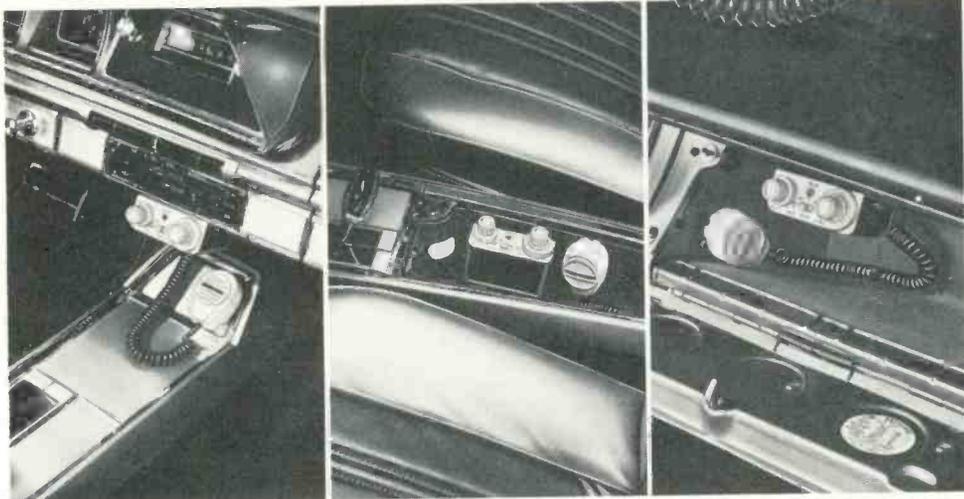
12435 Euclid Ave., Cleveland, Ohio 44106

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the International MO-23 citizens radio transceiver hides...



under the dash in the console in the glove compartment

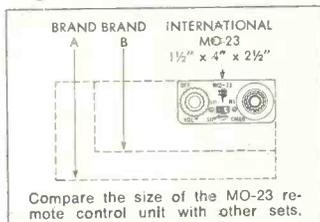
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WELCOME ABOARD!



Compare the size of the MO-23 remote control unit with other sets.
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the citizens band journal

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

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IT'S NEVER TOO LATE



Two types of CB'ers buy Browning Eagle base stations. One is the novice who's determined to start with the best there is. The second is the old pro who switches to Browning after a costly trial and error period with "so-so" units. If you don't own an Eagle yet, it could be because you're still learning the hard way. For a quick lesson on the finest CB equipment available, visit your franchised Browning Service Center or write factory for free descriptive literature. Remember: it's better late than never!

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S9 = more news, more authors, more value!

July 1966 • 3

READER MAIL

CB'ER OR CON MAN?

Tom:

Regarding Calvin (S9, May, Page 9), he passed through this part of the country some time ago. He was crying that he couldn't get a St. Louis check cashed. I met him at a local drive-in on U.S. #1 and he was passing out QSL's marked "KKB3887, Calvin L. Hubby, 3580 Boswell Ave., St. Louis, Mo." Is this the same fellow mentioned in the S9 story?

George Morrison, KCJ8516
Woodbridge, Va.

Dunno, but we hope the check cleared.

CALLING ALL CARNIES

Dear S9:

Thanks for printing our letter of our CB club for carnival and circus workers. We received quite a response from many parts of the world, and we are still looking for membership inquiries from CB'ers who are or have been in our business.

Rovin' CB Club
P.O. Box 512
Tampa, Fla.

Old Kneitel doesn't talk about it much but he once came thisclose to running away with the Hunt Brothers Royal International Circus. Seems that one of the Hunt Brothers (Harry Hunt) got bitten by the CB bug a few years back and in turn bit TK with the circus bug. Does this entitle TK to membership in your club?

RECORDING READER

Tommy,

I'm a 16 year old CB enthusiast and look forward the day that S9 adds a teenage page. I'm interested in corresponding by tape with other CB'ers around the country and would really appreciate it if you would print my request for tape-spondents in S9.

Bill Ross, KMD0217
2788 James Street
Oceanside, N. Y. 11572

NICE WORDS

Editor:

I want to tell you how grateful I am to S9. It means a lot to me, and it meant even more to me while I was sick for a few weeks. Bless you and luck with S9.

Joseph Fair, KKD6110
Plainview, N. Y.

S9:

I find S9 something to look forward to each month. Your Reader Survey proves that you are one of the few magazines that really cares about giving your readers useful articles. I'm a police radio dispatcher and therefore have plenty of time to devour every word you print, right down to the code numbers on the ads. When you get your survey tabulated you will have twice the magazine S9 already is—if such a thing is possible!

Steve Lacy
Yankton, S. D.

STILL & EVERMORE THE VAMPIRE BAT

Mr. Editor,

Before subscribing to S9 I looked over several others. I decided on S9 because of your explanations of various circuits. When your April issue appeared I read the Vampire Bat story and it seemed just the thing I wanted. I built it. When the thing didn't work I took it to a technician and he told me what a fool I was. Needless to say I will not build any more of your "truly fabulous" articles and will *not* renew my subscription. Your Vampire Bat will be a topic of discussion whenever I talk to anyone regarding S9. Happy April Fool to you too!

Don Blood
Joliet, Ill.

To the Editor of S9:

What does your Vampire Bat prove except that many of us are stupid fools who go out and build something that you lead us to believe would work. I think we are entitled to a retraction of this fallacious article or an apology in one of these issues of my present or possibly last subscription.

T. R. Madden
Newbury Park, Calif.

Tom,

Just built Howard Ittweurk's fabulous Vampire Bat Antenna and was truly amazed at the results. It does exactly what was claimed for it and even more. SWR was excellent over the entire band and even on some Ham bands. Apocryphability on transmit exceeded all expectations.

Earl W. Robinson, KNA5241
Placerville, Calif.

Editor:

Very funny! I built the confounded contraption, ran my linear amplifier (150 watts) into it and blew up both the Vampire Bat and my \$200 linear. I'll never read another issue of S9! A pox on you and your idiotic articles.

"Lonesome Polecat"
Tennessee

Continued on page 78



Where the action is you'll find the hot new . . .

Hallicrafters CB-20 "Reactor"—\$99.95!

Yours today—the ruggedest, cleanest, most powerful basic CB transceiver that ever rode the range!

You get Hallicrafters' field-proven, solid-state design—compact, fool-proof. You get high-order modulation, superb sensitivity and built-in noise suppression. You get five-channel convenience.

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

July 1966 • 5

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Year after year, the reliability built into Johnson Messengers keep them on the air long after other units have departed.

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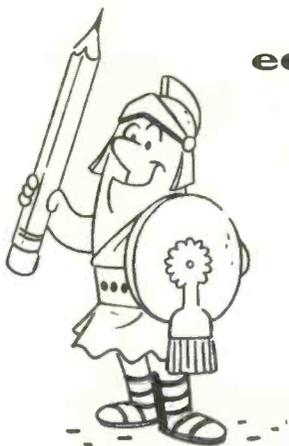


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editorial



KBG4303 rides again!

by TOM KNEITEL
EDITOR, S9

THE CB TECHNICIAN

Two gaping holes seem to constantly appear in the areas of repairing consumer products. Plumbers are licensed, electricians are licensed, probably even piano tuners have some sort of license rigmarole to go through before even one tuning fork is struck.

First hole: auto mechanics. They aren't licensed, even though poorly repaired cars are responsible for killing thousands of people each year. Not only aren't they licensed, but not a few have been known to jack a repair bill higher than the tailfins on a 1959 Cadillac—and do a cruddy repair job to boot. Eventually the driver goes through several dozen mechanics (and sometimes cars) before he finds a good one who is also honest. Just to save car owners in the northeastern states from such aggravation, I'll pass along the results of my own search. In New York the best and most honest mechanics I've found are at British Car Service in Jamaica, Queens. In Boston, you can't go wrong with Mobile Auto Service in Brighton (George there is a CB'er too).

Second hole: radio-TV-CB technicians aren't licensed. Many have been known to prey on the naive public, most of whom don't seem to know a volume control from a piece of twin-lead. Aha! You say that CB technicians *are* licensed; you say that the FCC requires those who would repair and modify CB transmitters to hold First or Second Class Radiotelephone or Radiotelegraph licenses. True, too true. But exactly what do these licenses mean and who has them?

In our April issue we ran an article called the *Vampire Bat* (I still get indigestion when I think about it). It was, plain and simple, an April Fool story intended to demonstrate to the naive CB'er how easily he can be misled by carefully constructed phrases and

claims. While, nothing said in the story was untrue, the imagination of the CB'er was encouraged to amplify the attributes of the antenna to the point where it appeared that the *Vampire Bat* was the greatest thing to arrive on CB since the ACBA (and maybe it was, come to think of it). Any halfway competent technician could have looked at the schematic and immediately pegged it as a dummy load, something which could not even *hope* to radiate a CB signal more than a few feet. Matter of fact, the purpose of a dummy load is to permit you to operate your transmitter *without causing radiations!*

I was quite chagrined to note that amongst the hundreds of "I-built-it-and-why-doesn't-it-work" mail received about the *Vampire Bat*, there were numerous similar inquiries from CB repair shops! Shops whose letterheads bore the inscription "FCC licensed technician." I absolutely refuse to believe that the holder of an FCC 'Phone or CW ticket would be taken in by the premise that sticking a resistive load across the antenna terminals of a transmitter would be better than placing an conventional antenna there.

Make no bones about it, to get an FCC First or Second Class 'Phone or CB ticket you've really got to know your stuff. It's a rough exam and many a well studied soul has botched it.

We can therefore draw several conclusions from the mail.

1. Some CB service shops wouldn't know a technician if one came up and rattled their doorknob.

2. Some CB shops may have "FCC Licensed Technicians," but not necessarily of the proper grade to work on CB gear. You can get an FCC "Restricted Radiotelephone

Continued on page 77

Mighty Titan—the "optionals" are in the set.



The wraps are off Tram's TITAN



today's newest, most advanced base station

Here's your first look at the mighty Titan — engineered to make all the others a little bit obsolete. Titan — the complete base station — features 2 giant advances: **SUPER-SHARP SELECTIVITY** — cuts interference from adjacent channels to almost zero — rejection is 90 db or better; and a **NEW MULTI-FUNCTION METER** that measures forward power to antenna, standing wave ratio directly and power into built-in internal load.

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- All aluminum metal parts • Built-in low pass filter for minimum T.V.I.
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UNCLE SAM'S FESTIVAL OF SURPLUS 11 METER RIGS



MILITARY EQUIPMENT DESIGNED FOR CB FREQUENCIES

by THE OL' TIMER

The April issue of S9 ran a story about the use of CB frequencies during World War II. In June we did a story on one CB'er's conversion of a navy surplus set into a really great customized CB rig ("A Collins CB Rig"). Each of these stories brought in huge piles of mail asking for further information on military equipment which operates on 11 meters. Apparently, the fact that much of our wartime communications took place in the CB band was not generally known.

So here it is, a general look at most of the military gear designed for 11 meter use (with the exception of general coverage communications receivers). If you are ambitious you can convert the military gear for CB use, this usually means changing over from FM to AM, reducing the power output, and providing a suitable power supply. In some cases it also means working on the oscillator circuits to make them crystal controlled, and to establish the fact that the rig will stay within the FCC's prescribed frequency tolerance for CB. Any work on the transmitter will have to be checked over by an FCC First or Second Class Radiotelephone or Telegraph licensee. Information on de-militarizing most of the equipment shown here is in the Book "Surplus Conversion Manual," by Tom Kneitel. This 192 page book is available from any radio shops for \$3, or directly from S9 Magazine. Conversion data on rigs not covered in the book is available from the sources indicated with the respective rig descriptions. It seems that there is an additional interest in the gear, not so much for conversion purposes as for a memento of the

early days of 11 meter communication and the war.

Much of the equipment in relatively inexpensive. Prices vary from dealer to dealer, and are based upon the current supply and demand. Some sets are quite scarce these days, especially the later vintage Korean War units. The price we show with our description indicates a very generalized figure. We cannot vouch for the availability of any of these units, but have included a list of the larger dealers who regularly stock and sell surplus equipment. Contact them, telling them that you are an S9 reader, and they'll make every effort to help you out with your request.

THE EQUIPMENT

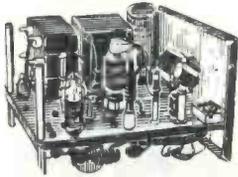
Considering the age of the gear, some of the designs were most sophisticated. One set in particular, the BC-1335, caught our fancy. This little 2-channel FM transceiver used crystals only in the receiver portion. Through circuit magic, the transmitter "monitored" the receiver's frequency and would automatically operate on the frequency of the crystal plugged into the receiver. This was accomplished by means of a reactance tube across the transmitter oscillator. This feature was also in other surplus sets such as the BC-620, BC-659, AN/GRC-8.

The AN/GRC-8 rig has a switch on the transmitter which changes the output power to either 2 or 16 watts output.

One 11 meter set which has no official military number designation, seems to have been made

When experience counts, it's S9 every time!

July 1966 • 9



"U-2"



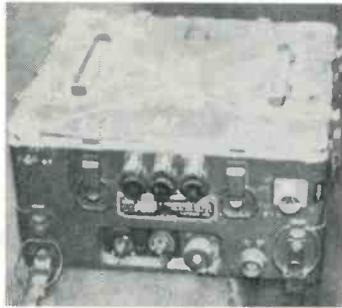
BC-604 & BC-684



AN/PRC-8 & 9



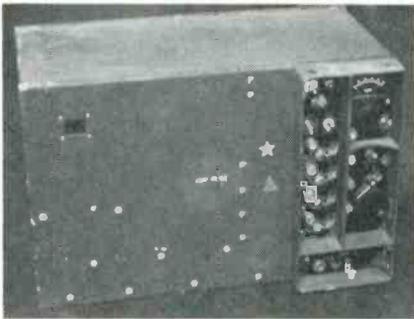
BC-923



BC-1335



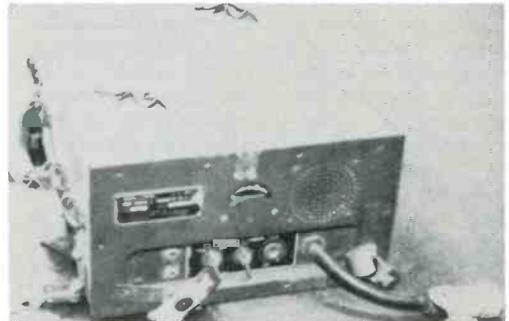
BC-620



BC-924



TBY



BC-659

Photographs taken at Telemarine Radio Co. warehouse.

recently for use in the U-2 spy aircraft. It's a 2 tube, 30 watt transmitter which operates from 6 volts. It's still available with a crystal, but less the 2 tubes, for about \$8. Barry Electronics has them.

Please note that some pieces of equipment have more than one "name," while some pieces of equipment with differing names are basically the same piece of gear with a different frequency range.

AN/GRC-8 (or RT-66/GRC). FM/CW transceiver for 20 to 27.9 mc/s. 2 or 16 watts output. Preset channels or tunable. Operates from 12/24 VDC outboard power supplies. Korean War set, scarce and probably expensive. No conversion data available.

AN/PRC-8. Walkie-talkie FM transceiver for 20 to 27.9 mc/s. Weighs 22 lbs. 1 watt output, fully tunable over entire frequency range. Korean War. Scarce and probably expensive. No conversion data available.

AN/PRC-9. Same as AN/PRC-8 but covers 27 to 38.9 mc/s.

BC-603 (or SCR-608). FM receiver for 20 to 27.9 mc/s. Has 10 preset channels via push-buttons, or may be manually tuned. 2.65 mc/s IF. Operates from 12/24 VDC. 10 tubes. Weighs 30 lbs. About \$17 new.

BC-604 (or SCR-628). Companion FM transmitter to BC-603. 30 watt output on 10 crystal controlled channels. 8 tubes. 12/24 VDC. Weighs 60 lbs. About \$8 new or \$5 used.

BC-620 (or SCR-610). Same as BC-659 but covers 20 to 27.9 mc/s. New about \$13, used \$11.

BC-659 (or SCR-609). FM transceiver for 27 to 38.9 mc/s. 2 watts output. 6/12 VDC. Any 2 preselected channels (out of 80 possible) on

receiver; transmitter is tunable. 13 tubes. 4.3 mc/s IF. 26 lbs. New about \$15, used about \$11.

BC-683. Same as BC-603, but covers 27 to 39.1 mc/s.

BC-684. Same as BC-604, but covers 27 to 39.1 mc/s. New about \$10, used \$7.

BC-923. FM receiver for 27 to 38.9 mc/s. 4 preset channels plus tunable. 16 tubes. 12/24 VDC. 42 lbs. New about \$35. Conversion data not available.

BC-924. FM transmitter, companion to BC-923. 30 watts, plus switch for lower power, on 27 to 39.1 mc/s. Variable tuning. 9 tubes. 12 VDC. Weighs 52 lbs. New about \$13, used about \$9. Conversion data not available.

BC-1335 (or SCR-619). FM transceiver covering 27 to 39.5 mc/s. 2 channels, 2 watts. 4.3 mc/s IF. 6/12 VDC negative ground power. Price about \$30, but getting scarce. Conversion data in CQ Magazine, July, 1959; December, 1958; and December, 1957.

TBY. AM transceiver with frequency range of 27 to 80 mc/s. Receiver is superregenerative. Transmitter has variable tuning. Portable unit with telescoping antenna operates from batteries. Sells for about \$25. Conversion data in CQ Magazine, September, 1957; and Radio News, October, 1947.

"U-2". This was originally a telemetering transmitter. It has no modulator. Runs 30 watts from built-in 6 VDC vibrator power supply. 2 tube circuit. Built without cabinet on aluminum chassis. Weight 7 lbs. Price about \$8, less tubes. Tubes for unit (5516 and 5618) should cost about \$10.50 for both. Conversion data in CQ Magazine, January, 1961, but reprinted by Barry Electronics and available to S9 readers upon request.

SURPLUS DEALERS

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New York, N. Y.

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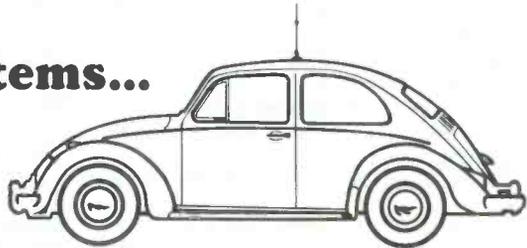
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Oh yes, you can use it "fixed" with our AC power supply. Either way, it provides the finest in complete CB communications.

- Kit GW-14, Transceiver, 8 lbs. \$89.95
- Assembled GWW-14, Transceiver, 8 lbs. \$124.95
- Kit GWA-14-4, 6 to 12 v. converter, 3 lbs. \$14.95
- Kit GWA-14-1, AC Power Supply, 5 lbs. \$14.95
- GWA-14-2, 23-channel crystal pack (46 crystals), 1 lb. \$79.95

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GX-147



S9 VISITS DC

REPORT ON THIS YEAR'S PILGRIMAGE TO MECCA

by **TOM KNEITEL, KBG4303**

EDITOR, S9 MAGAZINE

There's an old Jack Daniels bottle sitting on Suzie's desk. From time to time, assorted quarters, nickels, dimes, slugs, jellybeans, and cigarette butts are deposited in the jug for the purpose of establishing a travel fund for the S9 staff. Last week the level of the fund reached where it says "Old Time Number 7" on the label and we knew that we had sufficient funds to make it down to Washington and back. Siphoning off the extraneous contents of the bottle, we extracted the assorted coins, rinsed them, and headed towards the happy monitoring grounds on the banks of the Potomac; fortified with a fistful of questions.

Our arrival on the Washington scene was greeted with a dreary, rainy, day—but inside the FCC offices we found the usual warm and cordial attitude which has always been the trademark of the Amateur and Citizens Radio Division. On hand to talk over some of the problems of CB were William Grenfell and Richard Everett, the Commission's specialists on the technical and legal aspects of 11 meter communications.

Going down the list of things discussed, here are things which were brought out at the meeting.

CHANGE OF ADDRESS

As mentioned in our June issue (as a last gasp flash), the FCC no longer requires

you to submit a complete Form 505 with the \$8 fee in order to state a change of mailing address. The fact that change of address notification is required is outlined in the FCC rules, however, under the previous system, not only did you spend the \$8, but you also received a new callsign. These two things were contributory to the fact that many CB'ers (about 20% each year) had packed up their bindles and wandered off to parts unknown, thus keeping their original callsigns and staying \$8 ahead of the game to boot.

The FCC wants to keep records on exactly who is where on 11 meters and will now permit you to retain your existing callsign while also permitting you to notify them of your change of address via a simple written statement. The \$8 fee for this has also been withdrawn. Under the new rules, you tell them your callsign, name, the address shown on your license, the new mailing address (including Zip code), and throw in your signature for good measure. Mail off the information to the Federal Communications Commission, 334 York Street, Gettysburg, Pa. 17325. The FCC has whipped together a sample form for you to use (shown here), but you can submit the information on a post card (no Bunky, don't send it on your DX QSL) or in a letter if you wish. The form may be cut from S9. Whether it will be available



William Grenfell



Richard Everett

NOTICE

From S9

Effective May 20, 1966, a licensee of a Citizens Class B, C, or D radio station may advise the Commission of a change of mailing address by letter. No application or fee is required, Supply the following information:

Station Call Sign _____

Licensee's name as shown on license _____

Licensee's address as shown on license _____

Licensee's new mailing address _____

Zip Code _____

Licensee's signature _____

You may use this notice to furnish the information if you desire. Mail it to: Federal Communications Commission, 334 York St., Gettysburg, Pa. 17325.

FEDERAL COMMUNICATIONS COMMISSION

The FCC would like you to use this form to advise them of your address if you have moved since your CB license was issued.

at FCC offices is not known. The FCC will not reply to your change of address notice or send you a new license; they just change their records.

The FCC people said that they would like to have this information from CB'ers who had moved even as long ago as 3 or 4 years but hadn't previously reported the move. No penalties would be imposed on late reporting operators since the FCC doesn't ask for the date on which the change of address occurred.

WARNING: Don't forget to file a renewal application (with \$8) about 60 days before your license expires. This new address procedure doesn't substitute for that requirement!

Please cooperate.

SLIDES

The FCC is having prepared a series of slides on the CB service which will be available on free loan to clubs and organizations wishing same. This will be a professional and slick job and should be a great boon in explaining the purposes of CB to the newcomer.

The project is in its very early stages right now and when the slide program is available it will be announced in S9, together with details on obtaining it for your club.

The Commission is also preparing some literature to be given to new licensees

which will clear away some of the misconceptions about CB operation.

CANADIANS

Americans going to Canada can easily (and without cost) obtain Canadian Government authorization to operate their CB rigs while north of the border. Unfortunately, Canadians visiting the United States cannot obtain permission to use their CB gear while with Uncle Sam. We asked the FCC about this, and about the possibilities of such operation being authorized.

The problem, it seems, is not one which the FCC can solve on their own. The FCC is regulated by a rather strict set of rules known as The Communications Act of 1934 —and the Communications Act forbids (among many other things) Canadian CB'ers to use their rigs here. The only way in which the Act could be changed would be by decision of Congress.

And who will get Congress to amend the Communications Act? Certainly they have so many other problems what with the crazy state of the world that it seems such an item would get lost in the shuffle before it ever saw the light of a Congressional committee. Then, who would bring pressure on a Congressman to introduce such a bill? The voters in a congressional district may have some power of persuasion, but how much consideration would be given to someone who lives outside the country?

In my opinion, such a change would have to be introduced via the State Department route or the U.S. Chamber of Commerce. The Canadians will no doubt have to start the ball rolling on this one.

WALKIE TALKIES

Interference caused by 100 milliwatt unlicensed units was mentioned, and the FCC assured us that they were not only well aware of what was going on, but were investigating a number of ways to do something about the problem.

Units operating under Part 15 do not come under the jurisdiction of the Amateur and Citizens Radio Division, regardless of the fact that they operate within the frequency limits of the 11 meter Citizens Band.

As an interesting sidelight, the FCC people mentioned that Canadians visiting the States are permitted to use 100 milliwatt transceivers inasmuch as the units do not need to be licensed. It should be noted that unlicensed 100 milliwatt units may communicate only with other unlicensed rigs, and not with 5 watt Class D CB stations. When both 5 watt and 100 milliwatt units meet Class D technical requirements and are both operated under Class D licenses, they may communicate pursuant to Part 95.

MONITORING

We commented on the fact that some areas seem to be very heavily monitored while other localities have conditions which are almost beyond human belief and endurance. As a result, some particularly annoying CB'ers can go on ruining the band for years while only a few hundred miles away a REACT Team gets a citation for trying to establish communications with a mobile in distress.

Apparently it's mostly a problem of the coverage of the monitoring stations. Some areas are on the wrong side of the hill and simply cannot be heard by the monitoring station, while nearby areas give the monitors an earful. Even when a mobile FCC monitor comes into an area he can issue citations only to those stations he hears violating an FCC rule. As it happens, the local loudmouth may be off the air that day, or just at the minute the loudmouth is on the air, the monitor is listening on another channel.

As it frequently turns out, some station may operate in violation of an FCC rule or two (even with the best of intentions) and get snagged. The monitors are impersonal in their deciding who is violating a rule and who isn't, and all they know is

that if Part 95 says you *can't* do something—you simply *cannot* do it without getting a citation; that is, if you are monitored.

Matter of fact, I had actually seen an instance where a REACT Team in Pennsylvania got picked up by an FCC monitor for coming on the air and stating, "This is REACT Control standing by on Channel 9" because the operator thought he had heard a mobile unit call him. The FCC says that while *mobile* units are permitted to address communications to unknown base or mobile stations when seeking aid, a *base* station may not call an unknown mobile station to offer it aid.

The FCC people suggested that perhaps REACT Teams might erect road signs (see June, 1966, S9, page 14) to advise motorists of the existence of a REACT Team on the channel. In any event, making a grand announcement on the air seems to be citation bait.

"TECHNICIANS"

We then got into a discussion on the modifications and repairs being done on CB equipment by many "technicians" frequenting CB circles. The FCC people stressed that all work done on the transmitter must be done by suitably licensed technicians—and that means the holders of First or Second Class Radiotelephone or Radiotelegraph licenses. Comment on CB repairs can be found in this month's editorial, starting on page 7.

Another point was that of off-frequency operation. Many CB'ers are shocked to learn that they are off frequency, despite the fact they haven't modified their equipment and have used only crystals designed specifically for their particular rig. This is not necessarily the fault of the crystal, but usually the result of component aging in the oscillator circuits. As the components age they change in value. Since the crystal is designed to function properly only in conjunction with circuit components of specific values, the slight change in value of even a single capacitor can knock you right off the channel. FCC suggests that you have your rig's frequency checked at least once a year by a properly licensed and equipped technician.

BACK TO JACK DANIELS

And so our brief but informative visit ended. Hopefully we will again be able to make a trek to Washington to discuss some current problems with the fellows of the FCC. Our thanks to both Mr. Grenfell and Mr. Everett for being so cooperative.



STAMPS HONOR RADIO

WHAT ABOUT A CB STAMP?

We got to thinking the other day about the possibility of a stamp honoring CB. Why not, they've put out stamps for Amateur Radio, television, telegraph, satellite radio, and just about everything else in electronics.

While you think up a design, take a look at a few of the stamps which have been issued throughout the world to indicate recognition of radio.



Listed in the Scott Catalog as A257, this 15 franc indigo and ultramarine French stamp, says "hooray" for French TV.

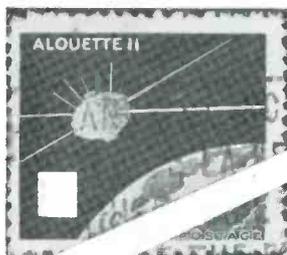


Scott A66 from Monaco. It's a 1 franc blue, carmine, and orange tribute to the local shortwave broadcast station.



Italy's TV industry was honored with this stamp (Scott A363) for 60 lire. It's deep blue-green.

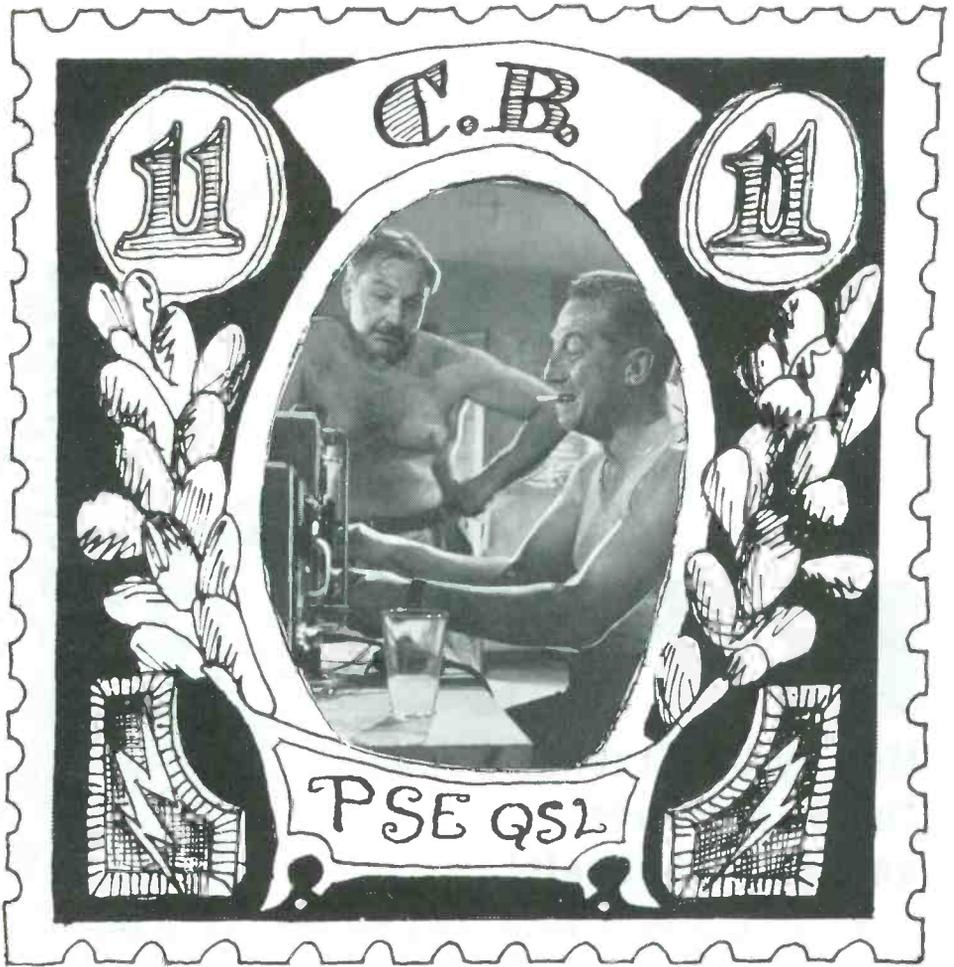
Japan, which plays such an important role in world electronics, toasted their broadcasters in 1950 with this ultramarine (Scott A267) stamp.



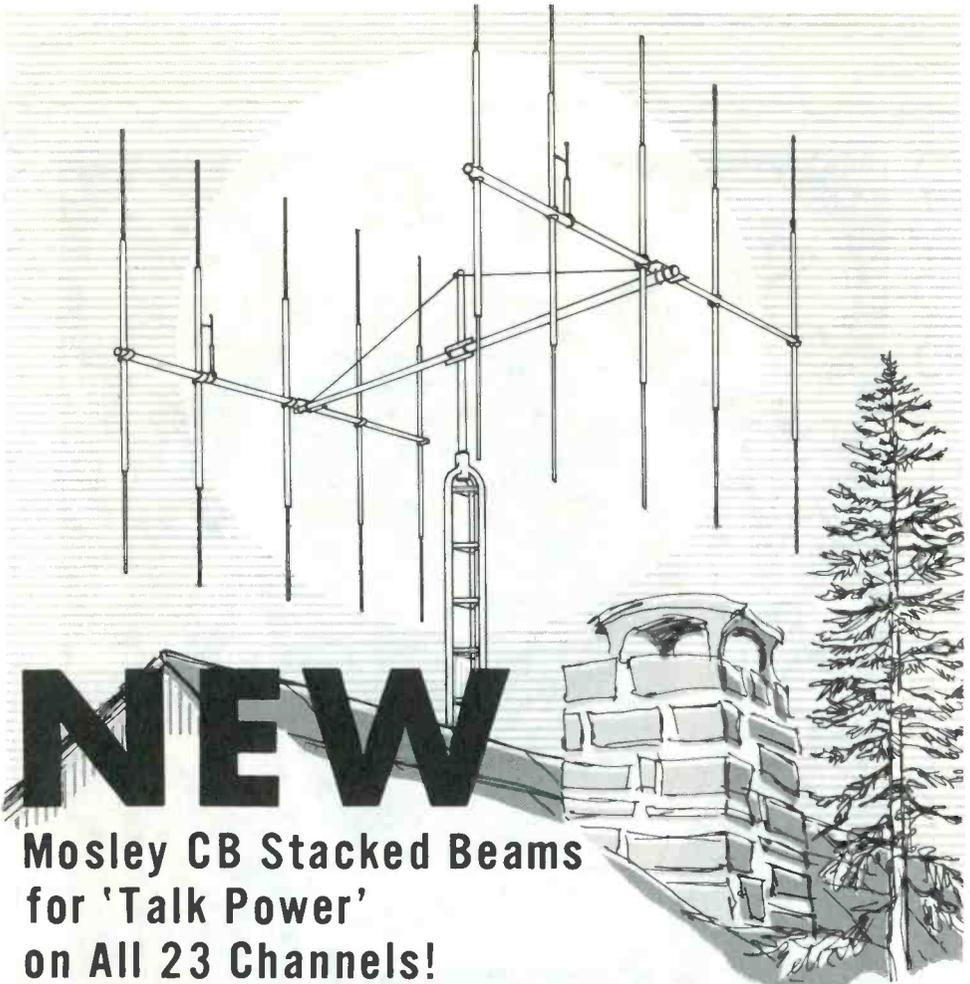
Alouette II, Canadian satellite, was shown on this 5 cent Canadian stamp of recent issue. The stamp is dark blue.



A sick violet was the best the Post Office could offer on this relatively ugly Amateur Radio stamp. It was issued last year.



**HOW'S THEM APPLES?
GOT A BETTER DESIGN?
SEND IT IN!**



NEW

Mosley CB Stacked Beams for 'Talk Power' on All 23 Channels!

Call it Talk Power or whatever you wish . . . but the better your antenna, the more Talk'Ability on all 23 channels. Extra Talk'Ability for exceptionally long lasting point-to-point communications is what you receive with *Stack'it*, New Mosley stacked beams! Now available for the first time in one comprehensive easy-to-assemble package complete with two famous Scotch-Master performance proven beams, efficient phasing harness, boom, necessary hardware and concise instructions for assembly. Priced nearly 1/2 the previous cost of stacking Mosley beams. Check these values:

STACK'IT 3 (3 el.) including two Scotch-Master A-311-S antennas and stacking kit, Gain 11 db. over reference dipole, 13.5 db. compared to isotropic source. CB Net \$72.95

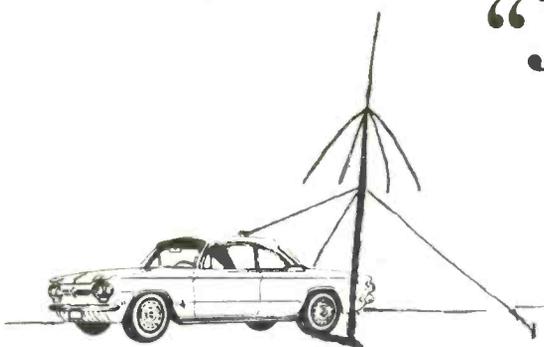
STACK'IT 4 (4 el.) including two Scotch-Master A-411-S antennas and stacking kit, Gain: 11.2 db. over reference dipole, 13.7 db. compared to isotropic source. CB Net \$84.95

STACK'IT 5 (5 el.) including two Scotch-Master A-511-S antennas and stacking kit, Gain: 12.5 db. over reference dipole or 15.0 db. compared to isotropic source. CB Net \$99.95

Don't be satisfied with substitute phased beams . . . they're not what they're 'Stacked' up to be.

For more information on Mosley STACK'IT beams write:

Mosley Electronics, Inc. ad 105 4610 N. LINDBERGH BLVD.
BRIDGETON, MO. 63042



“JOHNNY ON THE SPOT”

MAKE YOUR CAR A COMMUNICATIONS CENTER

by **ROBERT McAIRE, KIC7608**

Some CB'ers are most fortunate, they live in areas where the local CB club, or at least a few local CB'ers, have gotten together and put together an emergency communications van. Basically, this means that somebody has raised enough money to purchase an old bus or truck and then equipped it with half a ton of radio gear and base stations antennas.

In the event of a power failure, natural disaster, or whatever, the station can immediately be rushed to an area where it can be put into action as a temporary base station—the central point for dispatching numerous mobile units participating in the emergency.

OK, OK, it's a great idea, but not every club or individual CB'er has the finances or time to assemble such a formidable station. This is not to say that there is any less need for the thing, and it's a shame to see so many areas going along without a portable/mobile emergency communications center. Especially sad since these vans have proven their value so many times in the past.

CHEAP & EASY WAY

Because of the need for these units, I've put some thought and research into the possibilities of a very inexpensive, yet still effective, portable communications station.

First start with a car—a plain, garden variety, Detroit monster. A station wagon is preferable, a little 2-seater isn't. Many clubs are solvent enough to purchase an old car for this purpose, but even the family buggy can be used. Main advantages to a car to be used only for this purpose is that it can be painted up in International Orange, and can be taken out in wretched weather or driven into impossible areas—things not great for the XYL's pride and joy.

Best thing to use on the buggy is snow tires (in the rear only, of course) because they give better results than regular tires in mud, on gravel, and on miserable out-of-the-way roads. Also, they don't seem to get flats or have blowouts as often as non-snow tires.

EQUIPMENT

You'll want to have a CB rig, something which will operate on all 23 channels if at all possible. If a rig with a limited number of channels is used, at least let it have 9 and 11 included among those it does offer. The rig you will want is not some beat-up old relic, but one which can be depended upon to function continually for a period of hours without withering up into a cinder when you need it most. A spare set of tubes might not be a bad thing to have handy (if you have a transistor rig, you won't be able to use spare transistors—but fear not, transistors seem to be quite reliable under adverse operating conditions).

POWER

Your vehicle's power supply (generator/regulator or alternator system) should be kept in good condition—with the battery especially pampered. The engine may be kept running to keep everything functioning during long periods of power drain, but there are considerations to be kept in mind if you do this. For instance, unless the weather is especially poor, you should open the hood of the car while running the engine at idle for long periods of time (I'm talking about for fixed operation, naturally). You should also have a spare supply of water, oil, and gasoline to keep friend engine satisfied during this trying time in his life.

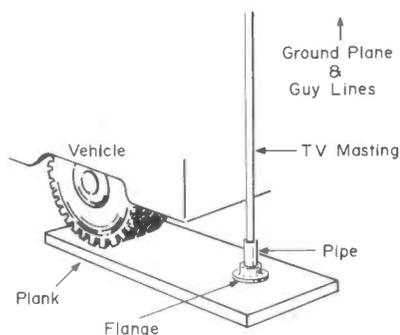
If you have a transistorized rig, your power

drain will be quite small and you may be able to get away with charging the battery up at regular intervals rather than by running the engine continually. A gas driven electric generator might also be considered—some are small enough to be put in the trunk when not in use. When using a portable gas generator, remember that it will give off the same ignition noise a car engine offers, so either suppress it or use it with a very long power cord to the rig, placing the unit off in the distance. Note that these generators also make quite a loud hunk of noise when they are running and it might be just as well to put them 50 feet away from the operating position for the sake of mental health.

ANTENNA

In many instances, an efficient mobile antenna will suffice to get messages through over long distances. Best bet would be to use a regular base station antenna mounted considerably higher than the vehicle. Not possible you say? *Nothing* is impossible!

Here's how you can have a complete base station antenna installation right with your mobile



unit, ready to set up at any location.

First get a plank at least a half inch thick (plywood will do just dandy), measuring about 6 inches by 24 inches. At one end of the plank, securely attach a pipe flange. Into the pipe flange, fit a 6 inch length of threaded pipe (the threads to match those on the flange).

Now, place this plank/flange/pipe contraption on the ground—pipe section pointing up. Drive a wheel of the car over the end (the one without the flange) and stop the car when the wheel is on the plank. This is now the base for your mast.

The antenna mast consists of sections of TV masting, fitted over (or within) the length of pipe (depending on the diameters of the pipe and masting you are using). Atop the mast you have a standard CB ground plane antenna. The mast may be guyed using the vehicle's bumpers, doorhandles, or nearby trees, or rods driven into the ground, as guying points. Believe it or not,

CHECKLIST FOR MOBILE UNIT

- SPARE TUBES _____
- DRINKING WATER _____
- FOOD _____
- GASOLINE _____
- OIL _____
- CAR'S WATER _____
- MAPS _____
- FLASHLIGHTS _____
- FLARES _____
- PENCILS/PENS _____
- PAPER _____
- LAMP _____
- CLOCK _____
- COMPASS _____
- POLICE/CG RECEIVER _____
- PERSONAL ITEMS _____
- TOOLS _____
- MATCHES _____
- STATION LIST _____
- BINOCULARS _____

one person can get this antenna into the air, but it's a hairy job. It should be done by at least two.

LOCATION

The location of your portable base station will depend upon the nature of the need for its use. Atop a nearby hill or mountain, for instance, may offer the best geographic position because of its height; it can probably be ruled out during a hurricane however. You might select a few possible operating sites, based upon several types of possible needs for the station. The-higher-the-better is probably the one main consideration.

Each of these locations should be carefully scouted, including several alternate routes on getting there. Try to avoid the use of bridges and tunnels, and keep on main roads as much as possible (that sounds silly because bridges are usually on main roads, but you may be able to figure out several routes which takes these things into account).

Take the fully equipped mobile unit over each of the routes several times to familiarize yourself with it, and also to be assured that the vehicle will "make it" into tricky spots. Also practice erecting the antenna in each of the potential operating locations.

ACCESSORIES

Here are some thoughts on things to have at your station. A supply of drinking water and

Continued on page 78

"NORTHWARD HO!"

A REPORT ON "CB" IN CANADA

In Canada the CB service isn't *really* the CB service, it's called the "General Radio Service," and the stations do not operate on CB Channels 1, 2, 3, and 23. Other than those factors the CB service and the GRS are surprisingly similar. The operators are the same friendly souls, they have formed similar clubs to those in the States (many Canadian GRS clubs have accomplished far more in a short period of time than U.S. clubs have done in 6 years).

Canadian stations are licensed by the Department of Transport, Hunter Building, Ottawa, Ontario. The GRS licenses are for only 1 unit, so a base station and its associated mobile unit will have different calsigns (since each station will have a different license). Callsigns consist of the letters "XM" followed by a series of numbers, the first 1 or 2 numbers indicating the geographic area of the station. Licensees are not permitted to communicate with stations outside their own "networks."

License requirements call for the applicant to be at least 15 years of age, and a British subject or landed immigrant. Cost is \$3 per license. The application asks only 7 brief questions of the hopeful CB'er, but (unlike the FCC's CB application form) asks that the applicant state the



make and model CB rig to be operated under the license.

The equipment for the GRS is, for the most part, identical with American CB gear, however the manufacturers must submit the units to the Department of Transport for their approval. In some instances, slight modifications must be

CANADIAN REGIONAL SUPERINTENDENTS OF RADIO REGULATIONS

PORT OF ENTRY	NEAREST SUPERINTENDENT
British Columbia	739 W. Hastings St. Vancouver 1, B. C.
Alberta	Federal Building 9820 107th St. Edmonton, Alta.
Saskatchewan, Manitoba, and Ontario from the Manitoba border east to and including Pt. Arthur	Winnipeg GPO Bldg. 266 Graham Avenue Winnipeg 1, Man.
Ontario (except Pt. Arthur and points west)	25 St. Clair Avenue East Toronto, Ont.
Quebec	Regional Admin. Bldg. Dorval, Que.
New Brunswick, Nova Scotia, Prince Edward Island, Newfoundland	Federal Bldg. P.O. Box 42 1081 Main St. Moncton, N. B.

Is the installation job keeping you from going mobile?



Don't let it,

..... **Mr. CB'er!**

With the All New Mosley SUC-1 Cadet, 'Hole Drilling' is unnecessary. And here's why. Mosley features a suction cup within the Cadet base making the installation job a snap. Just moisten the antenna suction cup, plop on the antenna, make your connection and you're ready for mobile action. Antenna grips tightly.

Use it on all smooth surfaces -- even wood and fiberglass. Operates as an electrical half wave. No ground required. Antenna is center loaded. Length 3'. Ideal for boats, cars, trailers, campers or wherever a communication antenna is needed temporarily. Quick to use in emergencies.

Why wait? Go mobile today!

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Please send me complete information on your Mosley Citizens Band: No. 104

- Cadet SUC-1 (for temporary mounting)
- Cadet PER-1 (for permanent mounting)
- Entire CB line

- Tell me how I may become a CB'er.

Mosley Electronics Inc.

4610 N. Lindbergh Blvd., Bridgeton Mo. 63042



made to get the American rigs to pass the DOT's standards. Canadians purchasing CB equipment should therefore be certain that the set they will purchase is "DOT Approved."

American CB'ers wishing to use their mobile rigs while touring the beautiful Canadian countryside must obtain authority to operate in the "Tourist Radio Service," which is just about the same as the GRS, only it's for Americans.

Tourist Radio Service application forms may be obtained from the Department of Transport in Ottawa or from any Regional Superintendent of Radio Regulations. The form is a small post card affair with only 6 questions and a place for the date and your signature. When the form is completed it should be sent to the Regional Superintendent of Radio Regulations nearest to the port of entry where you intend entering Canada. This should be done at least 30 days in advance of your entry into Canada.

The license in the Tourist Radio Service is valid for the length of your stay, but not for more than 1 year. No charge is made for a Tourist Radio Service license, and a complete copy of the rules and regulations may be obtained for 25¢ (in Canadian money) from any of the Regional Radio Regulations offices.

American operators licensed to operate in Canada use their American CB call signs followed by the letters "XM." As a sort of crazy ironic twist, American CB'ers in the States are not permitted to communicate with American stations operating in Canada under TRS authorization since the TRS stations are, in effect, "foreign stations" insofar as they are temporarily licensed by the Canadian Government (one of the American CB regulations clearly forbids communications with any and all foreign stations).

S9

MORE SENSITIVITY, LESS NOISE. (NO PLUS ON PRICE.)

\$189.



New Courier 23-Plus

The new Courier 23-Plus is a 23-channel CB rig with extra muscle. Its new cascade front end and nuvistor mixer pull in all channels louder and clearer than any other tube rig in its price class. It has a bright new front panel. And we've built in every known feature to dampen and filter out the noise you don't want to hear.

Plus Dual Conversion, Transistor Power Supply, Illuminated S-RF Meter, Illuminated Channel Selector, PA System, Auxiliary Speaker Jack, Single Knob Tuning, Modulation Indicator. Complete with crystals for all 23 channels, mounting brackets, power cords and microphone.

And the loudest, clearest message you get with the COURIER 23-PLUS is its price: just \$189! See it at your Courier dealer, or mail the coupon for full data.

Courier 23 \$169
 Courier Royale \$249
 Courier TR-12
 (solid-state) \$139
 Courier TR-23S
 (solid-state) \$169

Dept. 567



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 56 Hamilton Avenue, White Plains, N.Y.

Yes! I'd like to know all about the new \$189 Courier 23-Plus.

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99-3049WX

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FAMOUS CB FAVORITE... NOW ALL-TRANSISTOR PLUS 2 POWER TUBES



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ONLY
89⁹⁵

- Powerful Tube Transmitter for Maximum FCC Output
- Built-in 115 VAC and 12 VDC Solid-State Power Supplies
- Complete with Channel 9 Transmit and Receive Crystals
- Professional Styling, Attractive Aluminum Knobs
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Approved In
Canada D.O.T.
No. 169361094

- ★ 10 Transistors, 2 Tubes, 10 Dodes
- ★ 12 Position Crystal-Controlled Transmit and Receive - 23 Channel Tuneable Receiver
- ★ All Transistor Superhet Receiver with .5 μ v Sensitivity
- ★ Mechanical Filter for Super Selectivity
- ★ 100 Milliwatt and 5 Watt Operation

PLUS

- Illuminated "S" and Relative RF Power Meter
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- Variable Squelch Plus Automatic Series Gate Noise Limiting for Minimum Mobile and Interstation Noise
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23 CB Plus 2 Emergency H.E.L.P. Channels-
All Crystals Supplied*

**OBSOLETES ALL 23 CHANNEL CRYSTAL
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139⁹⁵

Highly Efficient Range Boost Circuitry
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- Pre-wired For Selective Call Unit
- *Automobile Mfg. Association H.E.L.P. Application Pending Before Federal Communications Commission.

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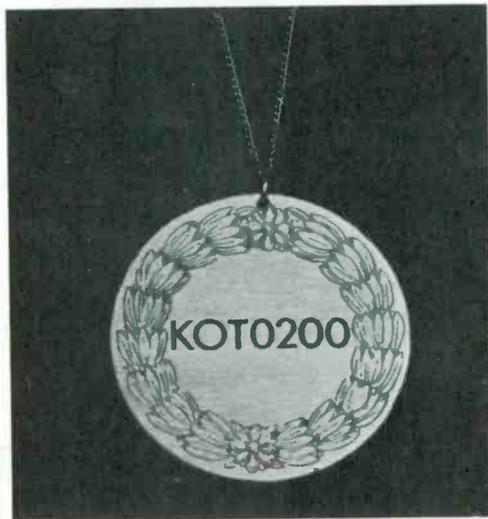


by **SUSAN HENRIKSEN**
Assistant Editor



Hi Girls!

The QSL card that won this month's contest was sent to me by "The Beesley's" from Chicago, Illinois, where they are known as the "Buzzing Beesleys." They are pretty well known all through the states from what we hear. We'd



like to congratulate you and we hope you like your prize. As I mentioned last month, we are going to present our winner with a pendant engraved with your call letters. Pictured here is the pendant with last month's winner's call letters engraved on it. These are also available from me. If anyone would like to purchase one, just send in \$3.00 and the call letters you desire and we will send it to you.

Here is a story I thought might be of interest to you girls. The story was sent in by Jack Doggett, KLH4994, of Des Moines, Iowa for Project S9'er.

"ANN TIPTON BRINGS THE STORK— VIA C.B. RADIO"

On Sunday morning April 24, 1966, about 12:30 a.m., Mrs. Ann Tipton, KPH0977, of West Des Moines, Iowa, overheard a plea for help from Lloyd Miller, KLH4122, of Des Moines on channel 11. Ann answered the call immediately. Lloyd informed Ann that his wife, Janette, was just starting to give birth to a baby (their 4th) and he didn't have a telephone or a car available, and wanted her to call for help. Ann's husband, Jim Tipton, KPH0977, got on the telephone and called the Fire Department Rescue Squad, while Ann kept talking to Lloyd to calm him down. They then changed from channel 11 to channel 4 because of the emergency where they wouldn't be bothered by other traffic. The fire rescue never came so Jim called the Des Moines Police Dept. and asked for help and an ambulance. (Lloyd Miller, KLH4122, who had just moved to Des Moines two months previous from Milo, Iowa, lives in a rather deserted rural area of Des Moines.) Before the authorities and ambulance arrived—the baby started coming and Lloyd didn't know what to do and was becoming pretty nervous.

Ann Tipton, KPH0977, very calmly and like a professional (of which she is not) took command and preceded, step by step, telling Lloyd on the CB radio exactly what to do and how to do it.

Meanwhile, a neighboring CB'er, Mrs. Lenore Hyde, KPH0419, went over to Lloyd and Janette Miller's home but by that time the baby had been born and the ambulance, which had been delayed because the driver couldn't locate the Miller residence, was just arriving. Lenore stayed with the Miller children while Lloyd and Janette went in the ambulance to Broadlawns Hospital. Harold, Laura and Doris Howard, KPH0094, relatives of Lloyd and Janette Miller, also went over to assist in caring for the three other Miller children, Echo Janette, 4; Lloyd Arthur, 3; and Christopher, who is 2. Bob Payne, KPH0858, of W.D.M. also made a P.B.

Both of these CB'ers deserve a great deal of credit for their delivery of Cyncelia Rae, the 8 pound, 9½ ounce baby daughter of Lloyd and Janette Miller, born about 12:50 a.m. on April 24, 1966 . . . a night that neither ANN TIPTON, KPH0977 or LLOYD MILLER, KLH4122 will forget. Again, "hats off" to Ann Tipton for her explicit instructions, and Lloyd Miller, for his actual delivery. (Janette, the 24 year old mother, did more than her share too!) If anyone would like to send their congratulations, etc. to these CB'ers, their 10-20's are: Ann Tipton, 4108 High St., West Des Moines, Iowa; and Lloyd Miller, 4687 S.W. 56th St. in Des Moines, Iowa. A story (including 3 pictures) about these CB'ers was also front page news on Monday morning, April 25th in the Des Moines Register newspaper.

Ann will receive a Project S9'er certificate and she is eligible for the plaque and trophy.

Things are really buzzing around here at S9! In May, our Production Manager and our Draftsman, Jack Gartenhaus both became fathers. They are Eve, a baby girl, who weighed 8 lbs. 6 ozs. and Jack's baby boy, Avraham weighed 6 lbs. 7 ozs.

Congratulations are extended also to Richard Pollard, KBD4145 and his wife Yvonne, of Concord, N. H. who gave birth to a baby boy, 5 lbs. plus.

Mr. Jon Batley, KH11466, was recently the best man at the wedding of his brother, David, who married Mary-Ann Heather Hall on May 28 at 4:30 p.m. Also Miss Patty Lyn Riley, KHJ4544 of Ansonia, Ohio and Mr. Jon Batley (S9 A.P.R.E. Reporter) have been going steady "over the air ways" and are now engaged to become married sometime in 1967. They don't know what their call letters will be then, but all CB'ers listening for Pat and Jon on the airways!

Till next month . . . Suzie.

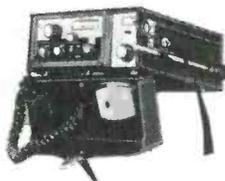


VERSATILITY

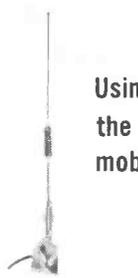


This is the Amphenol 650, a 5 watt solid state CB transceiver.

Here the same 650 is mounted in an Amphenol Portable Pak. Fully portable—only 16 lbs. with transceiver and battery.



Using this gutter-mounted antenna, the 650 becomes a rugged mobile unit.



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2 New CB "Best Buys" from EICO



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MY TRANSMITTER NEED A LICENSE?

IN REPLY TO MANY READER INQUIRIES

by DICK TURPIN, KCF2700

Increasing quantities and varieties of miniature transmitters, characterized by small size, light weight and low power are being offered to the public. As a consequence, the question is frequently asked:

"Do I need a license for this transmitter? It uses so little power." The answer depends on many conditions. This explains when a license is required and when a transmitter may be operated without a license.

ELECTROMAGNET COMPATIBILITY

When a radio transmitter is operated, RF energy is emitted into the surrounding space. This energy may cause interference. To avoid causing interference, the equipment must be carefully designed, the frequency must be carefully selected, and the transmitter must be operated under suitable safeguards. The condition under which a generator of RF energy—be it transmitter or other device—can operate in the vicinity of other radio equipment without upsetting or interfering with the radio operations of its neighbors is called *Electromagnetic Compatibility*.

The operation of noncompatible apparatus may cause interference to radio and TV receivers, or may interfere with other radio systems such as aviation radio employed for the safety of life and property. Interference may be merely of the nuisance type when it temporarily disturbs a TV picture. Or it may be extremely serious when it interferes with aviation communications, radionavigation, or instrument landing systems.

The FCC has promulgated rules and regulations governing the use of radio to promote electromagnetic compatibility. Except as provided by Part 15 of the Commission's Regulations, a radio station license *must* be obtained *before* a transmitter may be operated.

CITIZENS RADIO SERVICE

Low power transmitters may be operated under a station license in the Citizens Radio Service (FCC Rules Part 95) for personal or business communications (short distance only)

subject to the limitations in Part 95. *A Citizens Radio Station, or any unit thereof, may communicate only with other units of the same station or with units of another Citizens Radio Station.*

The 27 mc/s band in the Citizens Radio Service is limited to use for the remote control of objects or devices by radio (Class C stations) or for voice communications (Class D stations). Frequencies in the 460-470 mc/s band are also available for the above uses by Class A or Class B stations, but are subject to different limitations.

OTHER LICENSED OPERATION

Low power transmitters may be licensed under other Parts of the FCC Rules when the equipment is to be used for communications in a specific activity to which the regulations apply. See Parts 81 and 83 for licensing in the Marine Services; Part 87 for use and licensing in the Aviation Services; Part 89 for licensing in police, fire, and related fields in Public Safety Services; Part 91 for licensing in an industrial or business enterprise; Part 93 for licensing in land transportation activities; and Part 21 for licensing in the Domestic Public Radio Services.

Equipment used under Parts 87, 89, 91, or 93 must be type accepted for licensing. Type acceptance of equipment is based on representations and test data submitted to the Commission by the manufacturer or the prospective licensee. The lists of type accepted equipment are revised periodically, and are available for inspection at the Commission's offices in Washington, D.C., and at each of its field offices. Procedure for type acceptance of equipment is contained in Subpart F of Part 2 of the Commission's Rules.

NONLICENSED OPERATION

Subpart E of Part 15, *LOW POWER COMMUNICATION DEVICES*, provides for operation without a license of devices such as wireless microphones, phonograph oscillators, telemetering transmitters, radio garage door

controls, and other similar miniature transmitters. Operation without a license is subject to these three general conditions:

1. That no harmful interference is caused to licensed operations.

2. That the transmitter complies with the technical specifications in Subpart E, of Part 15.

3. That the device is tagged with a label certifying that it complies with the requirements of Part 15.

Note carefully that only certain frequencies may be used. These frequencies are listed in §15.201. Other sections of these rules list the maximum signal level that may be emitted or the power and antenna length that may be used.

There are no restrictions on the type of modulation that may be used or on frequency stability. Care must be taken, however, that the signals transmitted by the device stay within the designated band. The device may be used for any legitimate endeavor. An operator's permit is not required for operation of a *low power communication device*. Call letters are not assigned for use of low power communication devices; they are assigned to licensed stations only. S9 Magazine will issue unofficial "station identifier" letters for these units at no charge.

A certifying label attesting that the transmitter complies with Part 15 must be attached to each *low power communication device* before operation is permissible. Conscientious and informed manufacturers normally test prototype transmitters for compliance with Part 15 and attach labels to devices offered for sale. *Purchasers of low power transmitters intended for operation without a license under Part 15 should make sure that the devices which they purchase carry the manufacturer's certifying label.*

WIRELESS MICROPHONES

Wireless microphones, including the type worn on lapels, are miniature low power transmitters designed to transmit the output of a microphone to a public address system or to a regular transmitter for broadcasting.

(a) *Licensed Use:* Various Commission Rules make provision for licensed use of wireless microphones. A lecturer, square dance caller or entertainer may apply for a license under Subpart L of Part 91 if he meets the eligibility requirements in the Business Radio Service. A person eligible in the Motion Picture Radio Service may apply for a license under Subpart I of Part 91. Wireless microphones used by AM, FM and TV broadcast stations may be licensed under Section 74.437 of Part 74.

(b) *Nonlicensed Use:* For operation without a license, the wireless microphone must meet technical provisions of Subpart E of Part 15.

See §15.201 for frequencies that may be used and §§15.202 through 15.238 for other requirements. If the microphone operates in the FM band 88-108 mc/s, it must be *type approved*. (§§15.212(f), 15.235). If it operates on other frequencies permitted by Subpart E, it must be certificated (§§15.227, 15.228). Regardless of which frequency is used, if the wireless microphone causes harmful interference to a licensed radio service, the operation of the wireless microphone must be stopped and may not be resumed until the harmful interference has been eliminated (§§15.3, 15.4, 15.222).

TELEMETERING TRANSMITTERS

Another use for low power transmitters is in telemetering. This is a form of communication in which information collected by various sensing devices is transmitted to a nearby receiver-recorder. Telemetering transmitters are generally used in places where it is impossible or very costly to connect the sensing device to the recorder by cable or where the connecting wires would constitute a hazard. In industry, for example, telemetering transmitters have been used to record the readings of strain gauges attached to the rotors of large machines. In medical research, they have been used to record physiological data—heart action, blood pressure, respiratory rate, body temperature—of human and animal subjects while in motion.

(a) *Licensed Use:* Eligible applicants may apply for a license to operate a telemetering station under the Rules governing an established radio service, such as Industrial, Public Safety, etc.

(b) *Experimental Operation:* To the extent that telemetering is used in an experimental or research project as in medical research, a telemetering transmitter may be licensed in the Experimental Research Service under §5.201 of Part 5 for "communications in connection with research projects when existing communications facilities are inadequate." A station in the Experimental Research Service may be assigned frequencies allocated to the broadcast service, the fixed service, or the land mobile service on a noninterference basis. See FCC Rules Part 5 (Volume (II) for the license application procedure.

(c) *Nonlicensed Operation:* Telemetering transmitters may be operated without a license in the same manner as wireless microphones. See §15.201 for the frequencies that may be used and §§15.202 through 15.238 for other requirements. With one minor exception (§15.213), operation in the FM band, 88-108 mc/s, requires type approved equipment (§§15.212(f), 15.235). Operation on other frequencies requires certification (§§15.227,

Continued on page 79



ON THE COUNTERS

Manufacturers are invited to send in press releases and photographs for listing here, for which there is no charge or obligation to advertise. Readers should take note that we have not investigated the products, claims, or services listed in On The Counters, and cannot be held responsible for any erroneous information contained here.

New-Tronics Corp., 3455 Vega Avenue, Cleveland, Ohio 44113, has a new CB antenna designed with a sturdy gutter clamp for semi-permanent mounting. Called the RTG-27 Hustler, it measures 25 inches and eliminates the extra base-matching capacitor normally required. The whip itself may be peaked for maximum radiation, and the peaking control may then be locked into position. Comes with 12 feet of coax. Price is only \$12.95, list.

A new line of solid-state auto/home RF converters are now available from Scientific Associates Corp., P.O. Box 276, S. Glastonbury, Conn. The converters permit you to use a standard broadcast receiver to cover any of the many radio services lying between 33 to 47 mc/s and 150 to 174 mc/s, as well as low frequencies between 2 to 3 mc/s. Other models cover 108 to 136 mc/s and all Ham bands from 80 through 2 meters. These new models include a squelch circuit and sell for \$24 to \$35, depending on the specific model desired. Free literature is available upon request.



A mobile radio converter with pushbuttons covering the 9 major international shortwave broadcasting bands is offered by the Autovox Corporation of America, 250 West 57th Street, New York, N. Y. 10019. The retail price of the unit is \$32.50 from dealers, or \$34 if purchased from the company directly (postpaid). Bands covered include the following meter bands: 13, 16, 19, 25, 31, 41, 49, 60 and 90. Only two simple connections need be made, the antenna

and the power. Set operates from 12 volts negative or positive ground and also 6 volts negative ground. This unit seems to offer quite a bit of enjoyment to a mobile CB'er.



New set from Pearce-Simpson, Inc., P.O. Box 800, Miami, Fla. 33152. Rig is dubbed the Companion III, an all solid state 6 channel (plus PA) affair. This rig features exclusive "Touch Tap" tuning for instant channel selection, a push-pull audio amplifier, L-C filter for razor sharp selectivity, 100% modulation, 2 RF stages in the receiver. Price is \$139.90.



Lafayette Radio, Dept. S9G-6, 111 Jericho Turnpike, Syosset, N. Y. 11791, has a new unit called the Comsat 19, a 9 channel unit built to compete in the ever growing low-priced market at \$59.95. For this price you get an external crystal socket, dual power 100 mw. and 5 watt transmitter, 100% plate modulation, superhet receiver with 1 uv sensitivity, variable squelch, series gate NL, 117 VAC power supply. Ask Lafayette to send you data on their new HA-410 and HA-460 rigs for 10 and 6 meter Ham bands—they're transceivers running 20 watts, and just right for mobile or fixed use. Price is \$149.95 each.

CBC Wholesale Club Inc. introduces their new QSL Roto Card File. This card file makes it possible to keep 600 QSL cards at your finger



tips. For the CB'er who wants to get away from the wall mounting and wishes to file his QSL cards in a more attractive way, then the CBC Wholesale Club has the answer for just \$9.95. Postage paid. Packed knocked down with 20 binders for 160 QSL cards. Additional binders available at \$1.00 per set—holds 32 QSL cards.

Full color literature available from the CBC Wholesale Club Inc., Box 631, Lexington, N. C. 27292.

S9 Lab

Reports

SQUIRES-SANDERS S-5-S TRANSISTORIZED CB TRANSCEIVER

No doubt one of the features that has been responsible for the success of the Squires-Sanders CB-23 solid-state CB transceiver is its special type noise *silencer* system that has proven to be so effective. This model set also includes a crystal frequency synthesizer with which any one of all the 23 CB channels can be instantly selected; however, since the availability of *all* the channels is not always a necessity and where the higher cost of this convenience is not justified, the Squires-Sanders people have come up with a lower-priced model, the S-5-S, in which there are provisions for only 5 crystal-controlled receiver and transmit channels. Special advanced-design features of the CB-23 are otherwise retained, such as: the Squires-Sanders unique noise *silencer*, front-facing loudspeaker, high sensitivity with fine selectivity and excellent

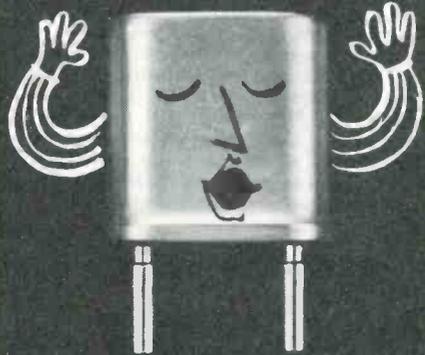
SO, WHAT'S NEW?

CTS Knights Golden Line CB crystals have always been *fully guaranteed* . . . always will be. CTS Knights crystals are *all* "first cuts" from virgin quartz. That doesn't mean that there has never been a defective crystal. It does mean that if you get one, we'll replace it at no cost.

I guess that's something like a lifetime guarantee. Let's call it that so that there'll be a degree of standardization in the industry.

BIG NEWS FLASH

lifetime guarantee?



Holy Crystal, Batman!

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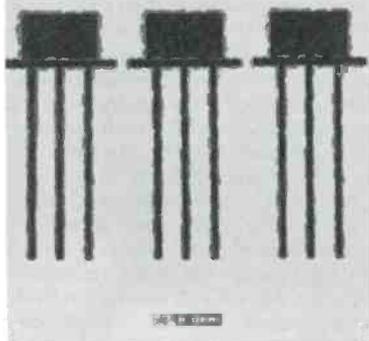
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Tom Kneitel



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audio quality ensured with a crystal bandpass filter, solid-state throughout and small in size measuring 8" W. x 3½" H. x 7" D.

Other features of the S-5-S include: adjustable squelch, illuminated channel-selector dial, external speaker operation with 3 watts AF output, full legal transmitter power, *adjustable* double Pi-network for 30-75 ohm antennas, push-to-talk with high-impedance ceramic microphone, simplified controls, transmitter-on indicator, operation directly from 12 VDC mobile source (negative-ground system). Base-stand power supplies for operation from 117 VAC also are available.

NOISE SILENCER

Let us first take a look at the noise silencer used in the S-5-S. It functions at the pre-IF level where a noise pulse momentarily cuts off the IF amplifier, effectively punching an instantaneous hole in the signal which removes the noise pulse and thus prevents it from reaching the detector and the AGC.

This is done by sampling the IF output from the receiver mixer, amplifying and rectifying it to provide a special pulse by which a gating IF amplifier, between the mixer and ahead of the crystal filter, in the receiver is cut off during the instant an impulse noise comes through the RF stage and the mixer. The affair, in effect, is like a separate fast-acting AGC that responds only at the instant a noise pulse is picked up.

An advantage of this arrangement is that the noise-silencing action occurs *before* the noise pulses can be stretched out or lengthened by the selective circuits of the receiver IF, notably in the crystal filter. This, together with special pulse-shaping that is provided in the silencer chain, ensures the most complete elimination of noise peaks at the required instants of time. Furthermore, there is no loss in signal level nor is distortion introduced. High signal level also is maintained in the presence of impulse-noise pickup, because the noise pulses do not pass through the receiver IF, actuate the AGC and thereby desensitize the set.

The noise silencer can be turned on or off by pulling the squelch-control knob out or in. A conventional diode noise clipper also is in operation continuously; however, it is set for low-level noise and thus does not introduce clipping distortion at normal signal modulation.

RECEIVER

All told, 21 silicon transistors, 4 diodes and 1 Zener-diode regular are used in the S-5-S. The receiver section has single conversion using an IF or 10.7 mc/s. This provides high image rejection, while fine selectivity is obtained with a high-frequency bandpass filter that employs four crystals. The filter has a 6 DB bandwidth

of 8 kc/s which makes a wide AF response possible for maximum intelligibility, while at the same time steep filter "skirts" provide the necessary adjacent-channel selectivity.

Although excellent image rejection is provided by the 10.7 mc/s IF, the heterodyning frequency for the mixer has been placed on the high-frequency side (37 mc/s) of the CB signals, in which case there will be less chance of encountering an image signal in the first place.

An amplified AGC system is used which also activates the squelch when signals are picked up. Two transistors in push-pull provide an AF output power of 3 watts. As noted earlier, the loudspeaker is mounted on the front panel, enabling the AF output sounds to be projected directly to the listener for maximum effectiveness under all conditions.

TRANSMITTER

The transmitter has three RF stages; the oscillator, buffer/driver and the final power amplifier. The output circuit consists of a double Pi-network which not only provides the proper impedance match between the output transistor and the antenna, but which also provides a high degree of harmonic attenuation for minimizing the possibility of TVI. This network is *adjustable* for optimum power transfer to the antenna. Both the buffer/driver and the final stage are modulated to obtain the best modulation capabilities, with the modulating voltage furnished by the AF power-output amplifier of the receiver. Two stages of speech amplification provide ample mic gain.

CRYSTALS

Individual crystals are needed for each receiver and each transmitter channel. A pair for operation on channel 9 is supplied with the unit. Eight additional internal crystal sockets are included to accommodate the required crystals for four other channels as desired by the user. The channel-selector dial is illuminated from the rear and the channels are designated as A, B, C, D & E. When the transmitter is activated, the dial illumination turns red to let you know you're on the air.

Use of an external speaker requires wiring to the power plug, in which case the circuits may be set up for receiver use with the external speaker alone, or with both internal and external speaker.

PERFORMANCE

The measured performance of the S-5-S was as follows: Receiver sensitivity: .5 uv for 10 DB signal-to-noise ratio; image and IF signal rejection: at least 50 DB; adjacent-channel selectivity: 50 DB (carrier-to-carrier) and 40 DB

Continued on page 75

OUR BOYS OVERSEAS

Please do a good deed for some lonesome GI's in Vietnam and send a QSL card or letter to all of the following CB'ers who are fighting for your right to be free:

(sent in by KBI6480, WPE1GCC, Rod Wilhelm)
Sgt. Ed. Hoover, KMX2394
COB
716th M.P.B.N.
APO San Francisco 96243

(sent in by KLJ4142)
P.F.C. Lee Jo LeNard
US 55817620
58th QM Co. (USADO)
APO San Francisco 96248

(sent in by KMX5753's XYL)
Ens. Anthony S. Adams, 685990 (KMX5753)
USS PINE ISLAND, AV-12
FPO San Francisco 96001

(sent in by KOA1484, KMA1485)
Cpl. Ralph Zwicker, 2027341 (1W8419)
US Naval Hospital, Guam
FPO San Francisco 96630

(sent in by KNP7968's XYL)
Michael J. Slater, ADR-1 (KNP7968)
VA-176
FPO New York, N. Y.

(sent in by KNA1504/WB6SAJ)
Thomas R. Pippert, RD-2, USN (KLK9537)
OI Division
USS UHLMANN (DD-687)
FPO San Francisco

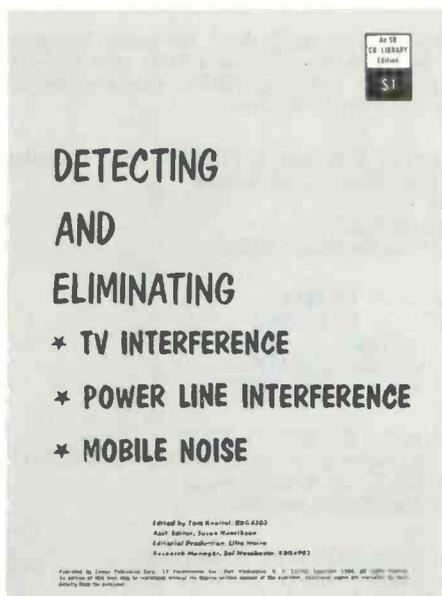
(sent in by the GI in Vietnam)
P.F.C. Marshall Mosley
30th Artillery 1st How Bn
C Barty
APO San Francisco 96238

(sent in by S9'er Rudy Wiggins in Vietnam)
Sp/4 Rudy Wiggins, KMM4953
AES (ABN) Co. 15th S&S Bn
1st Cav. Div.
APO San Francisco 96490

We invite readers to submit the names and addresses of other CB servicemen in Vietnam (or anywhere else overseas) for publication in S9. Special Vietnam subscription rates are now in effect and are discussed in this month's Editorial.



LOOKIE!



S9's new series of budget books offers you a complete guide to the elimination of TVI, power line noise and mobile noise!

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ODDS 'N ENDS

by HERB FRIEDMAN, KB19457/W2ZLF

Ever notice how nearly everyone in electronics denigrates the CB'ers. Even the eight year old kid whose sole electronics experience was building a three component crystal radio (which he got for a gift last Christmas) refers sneeringly to "those *space cadets*" (space cadets being derisive slang for CB'ers).

The problem fellow CB'ers is simply one of *envy*. As I've said before, for lo these many years electronic hobbyists have created the impression that it takes years, and years, and years of study and experimentation before one is entitled to mention even Ohm's Law. The whole myth is, of course, hogwash. You can get a solid foundation in electronics in one evening simply by reading the first 100 pages in the Radio Amateurs' Handbook. And building a few simple projects *which you get working* will teach you enough about construction to handle virtually any consumer type project.

But doing it the easy way destroys the myth, and once there's no myth there's no exclusiveness; and without exclusiveness the electronics hobbyist is no better or worse than any other hobbyist, be he a photographer or stamp collector.

The CB'er's problem stems from the fact that he started from the top, while all other hobbyists fell for the myth and started from the bottom. Before he bought his first rig, what was a CB'er? With few exceptions he was an average Joe whose total knowledge of electronics was knowing that the knob on his phonograph labeled *volume* changed the sound level from the speaker.

But soon as he got his CB rig our average Joe became as knowledgeable as a Ham when it came to such things as modulation, antennas, receivers, preamps, etc. True, just plain Joe knew next to nothing about basic theory, but he could wade right into a two hundred buck transceiver and get it working right. And this was the *burner*. After all, if just plain Joe could get that "fool electric gadget" working without

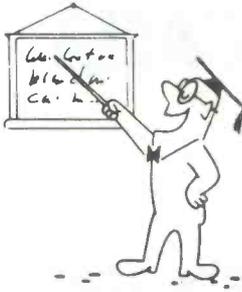
years of study, there was no myth; and with no myth the image created over many years of the "genius in the basement" was destroyed—virtually overnight.

That feller is the reason there's so much rancor towards CB'ers in general. (Sure there are *shnooks* among us, but there are *shnooks* in every field.)

But don't pat yourself on the back. If you've let your electronics knowledge start at the mike connector and end at the antenna jack you're missing out on a lot of fun. Today, *complex* electronics is all around us; when even the latest tape recorders use multivibrator-controlled voice-operated switching circuits, and if you just stand pat on the insides of your CB rig the parade will leave you far behind. Now that you know some of the *top* it's time to go back to the *bottom* and start climbing up. (It's always better to be climbing up than sliding down.) Get hold of the Radio Amateur's Handbook and start learning about the basic theory on which CB is built. Basics are used in everything and once you learn the how and why of your CB gear you know the how and why of your radio, TV, recorder, and even the latest children's toys. It might be hard becoming an expert on one subject, like CB; but once you make the grade it's easy becoming an expert on other related subjects.

Start building, simple kits at first; then work up to test gear, Hi-Fi equipment, even your own color TV receiver. As long as you start small so you learn proper soldering and wiring techniques there's no reason you can't tackle the most complex commercial kit within six months. And this thought leads us naturally into what we promised last month—a simple, easy to build *yet useful* beginner's project. Since this kit is for those who want to take perfectly exposed pictures, all those not interested in photography can turn to the next feature.

Continued on page 80



KYLE'S KORNER

WRITE TO:

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

Yessir! The mailbag gets fuller and the time gets shorter. Let's not waste the time and see what we can do to the mailbag:

MODERNIZATION PROBLEM

I have an HE-15 that I would like to use as a standby rig. How can I add a spotting switch? Also, can I add crystal control for channel 9 receive, and if so how?

—E.S.E., Boyertown, Pa.

Around here someplace are a couple of schematics which answer both questions for you. The spotting-switch one is from an article I wrote myself some 5 years ago; the crystal receive is one I haven't tried myself but I know of no reason it won't work fine for you. If the spotter switch gives too strong a signal, add the resistor shown; make the resistor as big as you can and still get a spotting signal. This may be anywhere from 1000 to 10,000 ohms, de-

pending on your particular HE-15 (it might even be less than 1000 ohms for some). You can use a multipole switch for the crystal modification and get several channels. The ones listed are the only ones I have worked out; the crystal frequency should be 1750 kc above the channel frequency for other channels.

DECIBELS AND S-UNITS (Again)

There has been some general confusion as to how many decibels equal 1 S-unit. Please bear in mind that this is to be applied to CB. Can you straighten this out? Thanks.

—T.P., Indian Orchard, Mass.

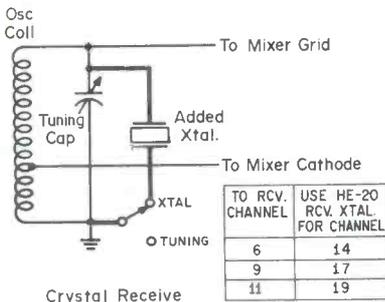
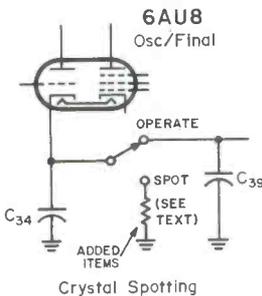
Well, as has been said many times, this is a rather rough subject since there ISN'T any established standard. Most people tend to agree that 1 S-unit equals 6 decibels (this is a doubling of signal voltage, or a four-time increase in power level) but the meters vary all over the place, so that no reading means very much unless the meter is precisely calibrated (and nobody's is, most usually). Maybe the "new" rules provision banning signal reports and discussions of performance from the air will relieve the situation a little bit and put the meters back in their original classification—that of tuning meters, to tell when you had the station tuned in most accurately!

10-CODE COMMENTS

(Following are the significant portions of two letters received on the same day. I think one effectively answers the other—but after getting burned once I'm not about to make a "ruling" about what's legal and what isn't. Mr. F.C.C., will you let us know about using 10-codes? I have held the opinion that any procedure which tends to save on-the-air time, and which does not provide secrecy, was to be encouraged. What's the official viewpoint?)

As a subscriber of S-9 for several years, most info I go along with. But S-9 gives a 10-code in each issue leaving the impression with newcomers to CB that they must use this code. It sure messes up any monitor channel for making legal contacts. An FCC engineer has told me that no code has been okayed by the FCC; only plain English is to be used.

—O.W.C., Cowan, Indiana



I am a minister serving a congregation in Ohio. I use Citizens Radio and have found it to be very useful. We have only two units, one in the parsonage and one in my car. We do not have an office secretary. In my use of the CRS, one question has come up. I am in and out of my car all day long. If my wife has a message for me and I am out of the car, she sometimes has to try to reach me three, four, sometimes six or more times. It seems silly to me to tie up air time by calling in each time I enter the car and my wife doesn't want to have to dash for the CB set that often to answer. I have an idea, but there is a question in my mind as to its legality. I would like to transmit the following message when I get into my car: "KLM3382 unit 2 to unit 1. 10-8." Then, only if she had a message would my wife have to respond. She would know that I was in the car with the set on. Is this kind of transmission legal according to part 95? Thanks in advance for any advice you can give on this.

—O.K.K., Middeltown, Ohio

Well, legal department? We're all waiting for a ruling.

HOUSE FOR CRYSTALS

In an answer to a question some time ago, you said that there was nothing that could be housed outside of a CB unit that could contain extra crystals; I beg to differ. Hammarlund puts out a neat house for crystals called the CB-8. It can house up to eight channels and is push-button operated. The price when ordered in the '66 Lafayette catalog is \$15.95.

—T.R., Whippany, N. J.

I should have mentioned this one. However, it's only legal when installed by a licensed technician, and I would strongly advise having a frequency check made after installation. I get copies of all the license-revocation notices from Washington, and currently about one-third of them stem originally from notices mailed out for off-frequency operation. Several times in the past couple of months I have seen notices of \$100 forfeitures being imposed for this same off-frequency operation. A checkout is inexpensive insurance against this happening to you!

HOMEBREW MODULARIZATION

I have converted a good car radio to 110 volts for home use. Now I would like to add a one or two tube CB converter to this to see if the receive would be any better on the car radio than on my present CB transceiver. Can you assist with a design?

—R.F., Charleroi, Pa.

While I can't make specific designs just for this department (since each would have to be built and tested before publishing it) I do happen to have a fair file of converter designs which go back quite a ways. Around here someplace is the schematic for one which is a red-hot VHF converter and should equal the performance of any front end in picking up

weak signals. If it doesn't do what you like on CB, just change the coils and crystal and you have a good low-band VHF police/commercial converter. All the capacitor values are in picofarads. (mmf). All the coils are on J. W. Miller Co. Type 4400 forms (slug-tuned) or equivalent. L1 is about 12 turns of No. 24 wire with a 2-turn link wound over it at the grounded end. L2 is some 45 turns of No. 34 enamel wire. L3 is the same as L1; L4 is 18 turns No. 24 tapped 2 turns up from ground, L5 can be a BC-band "loopstick," and L6 is similar to L4 but without the tap. You may have to add or remove a turn or two since I originally designed this rig for 50-MC reception and the number of turns given above is calculated for the difference in frequency. The original design was duplicated some 10 to 15 times here in Oklahoma City alone, and is pretty well bug-free. Don't be surprised, however, if ignition noise gives you a hard time. Most present-day transceivers are better for CB use than even the best separate receiver-and-converter combination; use the converter for listening to SW broadcasts, space satellites, or commercial communications, and you'll find it more fun.

This brings us just about to the end of the space for this month. I'm still in the market for questions. How about yours? Send it to me % S9, 14 Vanderventer Avenue, Port Washington, L. I., N. Y., 11050 (don't forget that Zip code), and then all you have to do is wait. See you soon . . .

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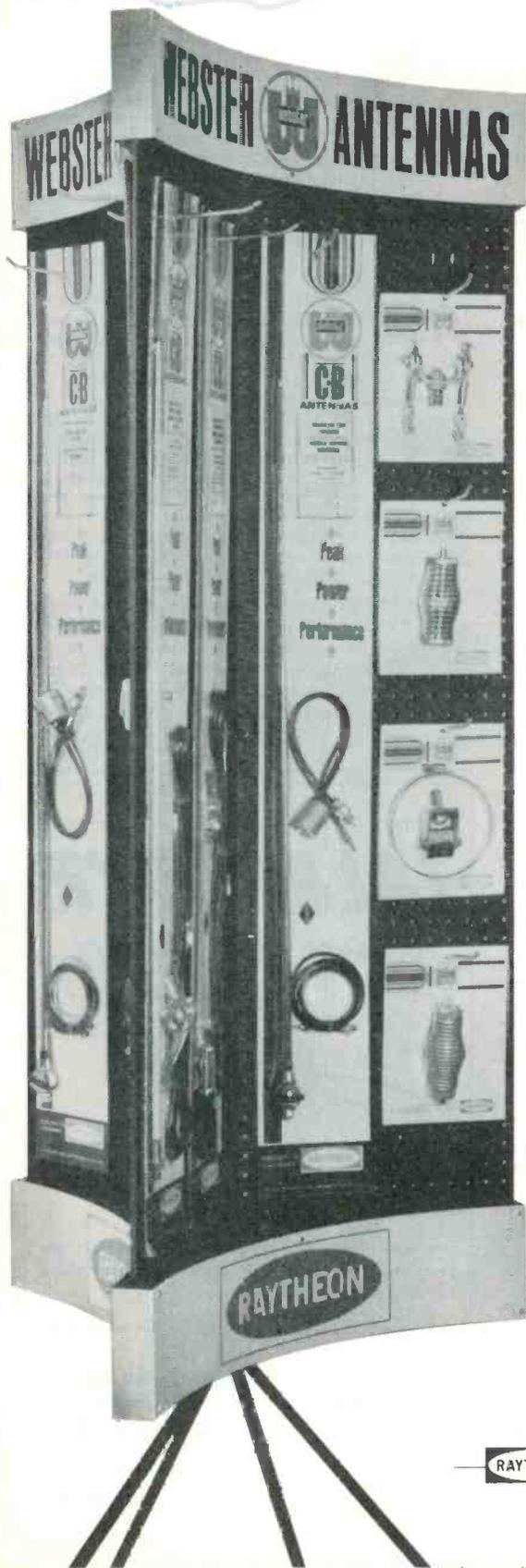
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July 1966 • 41



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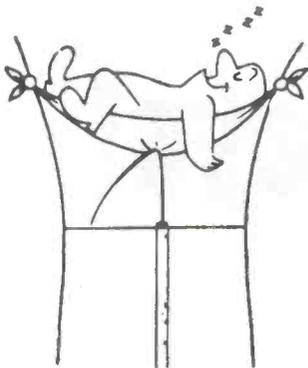
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ANTENNAS

by LEN BUCKWALTER, KBA4480

TOUGHER TV TRAPS

Since we recently spoke of TVI filters, there have been new developments. As you may recall, a filter at the TV receiver is generally installed to solve deficiencies in the TV receiver, not the CB set. Cost has compelled TV makers to omit certain filtering and shielding circuits which aid in rejecting signals of other services. Thus the real problem is not that a 27-mc CB signal interferes with TV reception—but that the TV set can't keep it out.

There's ample evidence. After investigating TVI, the FCC has concluded that in an overwhelming majority of cases, responsibility is at the TV receiver—not the transmitter. Just as convincing is the policy of many TV manufacturers. They'll supply a filter upon request. Somehow this hints that something was left out of the set as it rolled down the production line.

But now there's a good chance that ample filtering in TV receivers could be more than just a tacked-on afterthought. The FCC has recently issued some intriguing statements about receiver interference problems. The Commission has said recently that it expects manufacturers to design receivers reflecting the state of the art. Where inadequate receiver design causes interference, the remedy, it suggested, is the installation of suitable receiver filters.

But the toothy part the FCC statement was yet to come. If a cooperative effort doesn't make receivers more immune to interference, then legislation might be requested to protect the general public. The implication is clear: new FCC rules to regulate receiver design.

This upsets the old idea that the Commission is concerned only with licensing and limiting transmitters. In fact there are several precedents which establish FCC control over receiving equipment. You may not, for example, operate an FM radio aboard an airliner. Since signals radiated by the FM's circuits can mess up an aircraft's navigational aids, few would dispute this restriction. Another receiver rule now applies to all FM and TV sets, whose local oscillators must be well shielded to protect nearby sets from interference. Actually these are examples of FCC control over the "transmitter" formed by the oscillators found in most receiving equipment.

More forcefully, the Commission has proved its ability to rule on receiver circuits, even where no emitted signals are involved. This occurred in the case of UHF-TV. All TV sets marketed in this country are required by law to cover 83 channels. And at this moment rages a debate over just how much regulation the FCC can exercise over community-antenna TV (CATV)—another receiving situation.

As the number of CB sets continues to grow—plus the increased susceptibility of color TV to interference—better TV design could significantly reduce the TVI problem.

ANTENNA CHANGEOVER

Unless your rig has electronic switching, there's a relay that enables the antenna to be shared between transmit and receive sections of the CB set. Some newer models contain sealed changeover relays and these should cause little problem. But in the standard, open-type unit, dirt, age and pitting attack the contacts and ruin performance.

The symptoms aren't too difficult to perceive. A common one is that the rig receives well, but transmits poor signals (or vice versa). Sometimes you'll note that the S- or output meter wavers on otherwise steady signals. And this might be corrected temporarily by hitting the mike button several times in succession. In any case, an antenna changeover relay should be cleaned at approximately six-month intervals. A CB antenna system operates at 50 ohms; a figure so low that even small amounts of resistance in relay contacts can introduce large losses in signal.

When working on the relay, don't attempt a clean-up job with sandpaper or emery. The contact shape could change or metal particles might cause short circuits. In most cases, all you need is a piece of brown wrapping paper. Insert the paper between the contacts and draw it through several times. This should remove most dirt. Squeeze the paper between the contacts as you run it through. Most relays have middle (usually movable) contacts, and upper and lower contacts, so be sure to treat all surfaces. Better cleaning action occurs if you get some electronic cleaner or solvent and wet the paper before applying it to the contacts.

Continued on page 80

MONTHLY REPORT— PROJECT S9'er



Project S9'er is a program of awards in recognition for public service duties performed by individual CB'ers and CB Clubs. Clubs and persons wishing to participate should submit a detailed report giving the complete details of specific emergency commission services performed. Club entries must be signed by the club president. Individual entries must be signed by the submitter and co-signed by at least one other licensed operator. All entries will be considered, and outstanding ones will receive a special certificate. Every 2 months we will review the certificate winners and issue a plaque to the one which in the opinion of our judges shows the best CB public service. Once each year we will award a trophy to one of the plaque winners. There is no limitation on the number of entries that may be submitted, as each entry will receive a separate certificate and will be considered for plaques and the trophy.

Name and callsign of each certificate recipient will be announced in S9. Plaque winners will be announced with a resume of their winning deed. Address all reports to: Susan Henriksen, Project S9'er, S9 Magazine, 14 Vanderventer Ave., Pt. Washington, N. Y.

This month's Certificate winners are:

Mrs. Ann Tipton, KPH0977, Des Moines, Iowa
A.C.R.E.S., Wellsville, New York
Kearney Citizens Band Radio Club,
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E.A.R.S., Brooklyn, New York
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Mr. Paul Grimes, KMP5477, Eau Gallie, Florida
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- | | | |
|--------|--|---|
| SACA | 309 A. Startzum, KLU0267, Anchorage, Alaska
310 B. Miller, KNK7517, Middletown, Ky.
311 G. Hoff, KNM0028, Bluefield, W. Va.
312 P. Cross, XM22377, Edmonton, Alberta, Can.
313 R. Sargent, KMA0347, Plattsburg AFB, N. Y. | 168 R. Grubbs, KJH0080, Winston-Salem, N. C.
169 G. Metcalf, KBH0019, Chillum, Ill.
170 B. Miller, KNK7517, Middletown, Ky. |
| PX-25 | 604 A. Stortzum, KLU0267, Anchorage, Alaska
605 D. Nager, KOD0761, Bronx, New York
606 V. James, KID5406, APO San Francisco
607 B. Harvey, KMA7668, New London, Conn.
608 N. Breidert, KPH3956, St. Louis, Mo.
609 D. Wertman, KNP5656, Geneva, N. Y.
610 R. Grenon, KBC8333, Pawtucket, R. I. | PX-225 137 H. Beesley, KNJ4674, Chicago, Illinois
138 R. Grubbs, KJH0080, Winston-Salem, N. C. |
| PX-50 | 519 J. Guernsey, KNJ0361, Salina, Kansas
520 M. Byrum, KLM2481, Steubenville, Ohio
521 A. Stortzum, KLU0267, Anchorage, Alaska
522 V. James, KID5406, APO San Francisco
523 D. Nager, KOD0761, Bronx, New York
524 R. Grenon, KBC8333, Pawtucket, R. I. | PX-250 192 H. Beesley, KNJ4674, Chicago, Illinois
PX-275 116 E. Fell, KNA2893, FPO San Francisco
117 D. Stoneburg, KG7912, Omaha, Nebr.
PX-300 115 E. Fell, KNA2893, FPO San Francisco
PX-325 106 G. Wiles, KKB4015, Williamstown, Mass. |
| PX-75 | 406 A. Stortzum, KLU0267, Anchorage, Alaska
407 G. Stines, KKD3478, Clinton, N. J.
408 V. James, KID5406, APO San Francisco
409 L. Geltgey, KMX3011, El Segundo, Calif.
410 R. Grenon, KBC8333, Pawtucket, R. I. | MSA 225 P. Cross, XM22377, Edmonton, Alberta, Can.
SSC-1 237 A. Stortzum, KLU0267, Anchorage, Alaska
238 J. Walker, KLH3541, Biloxi, Miss.
239 N. Breidert, KPH3956, St. Louis, Mo. |
| PX-100 | 371 T. Luchin, KKP3353, Miami Beach, Fla.
372 C. Spain, Jr., KDC2313, Auburn Hts., Mich.
373 A. Stortzum, KLU0267, Anchorage, Alaska
374 V. James, KID5406, APO San Francisco
375 J. Brutlag, KNE1971, Sheridan, Wyoming | SSC-2 179 A. Stortzum, KLU0267, Anchorage, Alaska
180 J. Walker, KLH3541, Biloxi, Miss.
181 I. Norman, KKA7064, Pawtucket, R. I.
SSC-3 145 A. Stortzum, KLU0267, Anchorage, Alaska
146 H. Beesley, KNJ4674, Chicago, Illinois
147 D. Stoneburg, KH7912, Omaha, Nebr. |
| PX-125 | 278 C. Spain, KDC2313, Auburn Hts., Mich.
279 J. Blythe, KKK5258, Conway, N. C.
280 A. Stortzum, KLU0267, Anchorage, Alaska
281 R. Frost, KHA4980, Granger, Utah
282 J. Brutlag, KNE1971, Sheridan, Wyoming
283 B. Light, KMA2652, Norwalk, Conn.
284 J. Pieniadz, KLP9220, Dover AFB, Dela.
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SSC-6 116 Pop Utah, KKA8441, Groton, Conn.
SSC-12 108 G. Wiles, KKB4015, Williamstown, Mass.
SSC-33 B. Ross, KCG1087, Washington, D. C.
SSC-34 B. Ross, KCG1087, Washington, D. C. |
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227 J. Pieniadz, KLP9220, Dover AFB, Dela.
228 L. Fried, KMD0404, Bellmore, L. I., N. Y.
229 R. Sargent, KMA0347, Plattsburg, AFB, N. Y. | the following: send us a separate card for each month you would like to be listed (you may send several month's worth of cards at the same time), and enclose 10¢ in cash (no stamps, checks, or money orders) for each month you are to be listed. Try not to write on your cards and don't Scotch Tape your dime to the card. Address the material to: Card Swappers Unlimited, 14 Vanderverter Avenue, Port Washington, N. Y. 11050. Deadline for listing in the September issue is July 12th. Any cards received after this date will be listed in the following issue. |
| PX-175 | 191 A. Stortzum, KLU0267, Anchorage, Alaska
192 H. Clark, KLP9660, Elliptoville, N. Y.
193 C. Simpson, KKD4804, Mira Loma, Calif.
194 A. Cates, Baytown, Texas
195 I. Norman, KKA7064, Pawtucket, R. I. | Here are this month's swappers:
1W6216 Errol Engraving, 36 Hampden St., Westfield, Mass.
2Q0152 Karl Weiss, 245 Ashmore Ave., Trenton, N. J.
2Q1147 George Delaney, 308 47th St., Union City, N. J.
2Q5468 Walt Alexander, 1233 Woodruff Ave., Hillside, N. J.
2Q6980 Red Morgan, 144 Wilson Ave., Kearny, N. J.
4B5372 Jim Cross, 755 South Potomac St., Hagerstown, Md.
3Q2103 Dorothy Teague, Box 99, Wrightstown, N. J.
5Q2178 Elwyn Beam, Vale, North Carolina |
| PX-200 | 166 L. Huggins, KNH0542, Paxton, Ill.
167 H. Clark, KLP9660, Elliptoville, N. Y. | |

6Q0054 Glenn Poore, Box 6101, Chattanooga, Tenn.
6Q0946 Dave Jones, Box 1335, Chattahoochee, Tenn.
7Q1117 Annie Graham, 1025 No. K St., Lake Worth, Fla.
11Q1313 George Strainline, 1171 W. Miracle Mile, Tucson, Ariz.
17Q3785 George Lewis, Route 2, Salina, Kansas
19A8145 Gene Hecht, 26 Sheridan, Pontiac, Michigan
19Q470 Adrian Fallert, 121 N. "C" St., Hamilton, Ohio
19QA0442 Art DeFrain, 226-3rd St., Harbor Beach, Mich.
20Q1360 Ivan Smith, 419 Water St., Danville, Pa.
KAA4564 Geo. Thayer, A303 Irquois Dr., Salamanca, N.Y.
KAJ0765 J.L. Kirkland, Route 7, Raleigh, N.C.
KAG2020 Ardis Johnson, Box 169, Wingdale, N.Y.
KBA5557 Ted Cummings, Bellflower Rd., Billerica, Mass.
KBA8387 John Hornyak, 1192 Norman St., Bridgeport, Conn.
KBA8595 Lee Aspinall, 20 Forest Ave., N.Haven, Conn.
KBA8941 Maurice Collamore, Round Pond, Maine
KBB0471 Fran Smithwick, Box 62, Rt.1, Ellington, Conn.
KBC0264 Everett Decker, Box 411, Westfield, Mass.
KBC6229 Paul Conant, 139 N.Main St., Florence, Mass.
KBC6510 Ralph Bryant, 716 Riverside Dr., Fairfield, Conn.
KBC7679 Robert Huguenin, U. of Pitts.Dorm., Titusville, Pa.
KBC8093 Dennis Cidale, 17 Water St., Stonington, Conn.
KBC9285 John Christofaro, 7 New Lane Rd., New Canaan, Conn.
KBD1849 Paul Sanders, 5 Victor Rd., Framingham, Mass.
KBD1905 Michael Ammirata, 33 Washington Ave., Danbury, Conn.
KBE0153 Bob Hedgepeth, 8 Morning Star Dr., Seymour, Conn.
KBG6576 Charles Arwine, 725 S.Broad St., Trenton, N.J.
KBG7387 Gerry Schecter, 3535 Kings College Pl., Bronx, N.Y.
KBG7687 Robert Thatcher, RR 1, Box 59-B2, Hudson, N.Y.
KBG8079 Alvin Allen, 610 Prospect Ave., Spring Lake Hts., N.J.
KBI0854 George Raybin, 1367 Sheridan Ave., Bronx, N.Y.
KBI2251 Mona French, 19 Essex Lane, Old Bridge, N.J.
KBI4141 Danny Seifert, 163 So. Main St., Phillipsburg, N.J.
KBI6025 Max Latterman, Box 608, RD 1, Princeton, N.J.
KBI6373 Charles Bennett, 89 Valley Rd., Haworth, N.J.
KBI6480 Art Scheid, 2 Essex Pl., Hartsdale, N.Y.
KBI7007 John Krcjic, 60 Division Ave., Garfield, N.J.
KBI8510 Robert Gannon, 322 First St., Newburgh, N.Y.
KBI9265 John Sullivan, 20-47 - 32 St., Astoria, L.I., N.Y.
KBJ0753 Richie DuBois, Box 135, RD#2, Wallkill, N.Y.
KCC2969 Robert Stouch, Box 120, RD 1, E. Stroudsburg, Pa.
KCD1896 Howard Taylor, So. DuPont Rd., Penns Grove, N.J.
KCD1907 George Williamson, 804 Parsonage Rd., Seabrook, N.J.
KCD4212 Rick Firmanni, 110 Olga Rd., Elmsere, Wilm., Del.
KCD5165 John Shronk, Box M, Bont Clare, Pa.
KCD5883 George Fredericks, 701 Sunderland Rd., Teaneck, N.J.
KCF1583 James Stephen, 302 Apple St., Burlington, N. C.
KCD6125 Neil O'Connell, 22 Cassatt Ave., Berwyn, Penna.
KCF0011 Ed Kacicek, 134 Polk Dr., Manassas Pk., Va.
KCF2446 Robert Crigger, 411 S.Mount St., Baltimore, Md.
KCG0306 Bailey Curtis, 1028 Harrison Ave., Elkins, W. Va.
KCG1087 Barney Ross, 425 Garden St., Washington, D.C.
KCG2216 Doris Cross, 755 So. Potomac St., Hagerstown, Md.
KCG3068 Ricky Lowman, 1001 W.Addition St., Martinsburg, W. Va.
KCG3236 Bob Gallery, 5013 Westport Rd., Chevy Chase, Md.
KCG3575 Jim Lott, White Post, Va.
KCG3642 Elwood Luttrell, Route 2, Box 218A, Winchester, Va.
KCG3689 Ed. Ross, 1967th COMM.SQDN.APO San Francisco, Cal.
KCG4106 Dave Royer, Rt. 1, Box 133, Finksburg, Md.
KCI2842 Clarence Moore, Rt. 4, Box 34, Thomasville, N. C.
KCI2116 James Gough, Rt. 1, Box 4, Crozet, Va.
KCI3333 Bill Sprinkle, 414 Bonhill Dr. N.W., Roanoke, Va.
KCJ3880 Lee Willick, 3709 Hester Circle, Raleigh, N. C.
KCJ5002 J. L. Kirkland, Rt. 7, Raleigh, N. C.
KCJ5092 Doug Paynter, 1001 E. Jefferson St., Charlottesville, Va.
KCJ7737 Allison Clarke, 1009 Hamilton Ave., Clifton Forge, Va.
KCJ9615 James Surrats, Rt. 2, Box 86, Denton, N. C.
KDA0334 Truman Jones, Rt. 8, Box 218, Roanoke, Va.
KDB0371 Bill Howell, 545 Palmetto Lane, S.W., Aiken S. C.
KDB9372 Claude Cooper, RFD 3, Box 130, Sylva, N.C.
KDC0843 Raymond Sheely, Box 95, Petersburg, Ohio
KDC1358 W. L. McKeever, 435 Lynn Ave., Lakeside, Ohio
KDC1716 John Croke, 21 Elmwood Court, Alexandria, Kentucky
KDC2091 Charlie Kreuger, Rt. 2, Marion, Ohio
KDD9708 Stuart Cash, 1109 Mississippi Ave., Chattanooga, Tenn.
KDE4066 Hiram Jackson, Rt. 1, Box 80E, Bloomingdale, Ga.
KEB1661 Bob Fancher, Darling, Miss.
KEE2743 Harry Hoffpowner, 724 Coolidge Rd., Channelview, Texas
KEH6381 Paul Burket, 4209 N.W. 31st., Okla. City, Okla.
KEH6538 Smokey Christopher, 817 N. Denay, Howe, Texas
KEH1361 Jeff Collier, Box 3044, N.Hollywood, Calif.
KFA1592 Elliot Ness, Box 903, Arleta, Calif.
KFA6387 George Prock, 4814 W.131 St., Hawthorne, Calif.
KFD1525 Chuck Watrous, 421 W.12 St., Tracy, Calif.
KFD4351 Steve Kruff, 1755-29th Ave., San Francisco, Calif.
KFD5811 L. Kluender, Box 183, Orville, Calif.
KFJ1219 Jack Sudduth, 8103-16th S.W., Seattle, Washington
KFJ0479 Agnes Sudduth, 8103-16th S.W., Seattle, Wash.
KGC1864 Bob Becker, 2892 W. 55th Ave., Denver, Colo.
KGE0071 Jack Wera, 216 Olmstead, Winona, Minn.
KGH2584 Joseph Rose, 1009 Figg, Wichita, Kansas
KGI3589 Clarence Fleagle, Rt. 1, Abilene, Kansas
KGI4987 Arlene Doggett, 8060 Dema Dr., Des Moines, Iowa
KGI6100 R. Schmk, 357 No. Waco, Wichita, Kansas
KGI6245 Bob Zaltz, 5439 Dober Lane, St. Louis, Mo.
KGI7912 Don Stoneburg, Box 11221, Ames Ave.Sta., Omaha, Neb.
KHA0059 Joseph Brav, RR 4, Box 138, Cedar Lake, Ind.
KHA5150 Virg Mansfield, 600 West 7th, Muncie, Indiana
KHA8376 Gordon Velpel, 801 S. Franklin St., Garrett, Indiana
KHB1210 Larry Rost, RR 2, Muscatine, Iowa
KHB2113 Sherwood Rislely, RR 4, Hwy 15 W., Mt. Carmel, Ill.
KHB3556 John Ernstberger, 3516 S. Hermitage Ave., Chicago, Ill.
KHC4185 Lou Chappell, 3644 E. Minnie St., Decatur, Ill.
KHC4453 Dick Stout, Maple Spring Farm, Chatham, Ill.
KHC5348 Barry Feilberg, 1801 Summit Ave., Racine, Wisc.
KHC6483 Jack Wolsieffer, 5 Park Ave., Lafayette, Indiana
KHC8489 Fred Priest, Box 215, Clarks Hill, Indiana
KHC8816 Gene Butler, RR 1, West Lebanon, Indiana
KHD5299 Buster Rogers, 1602 Athens St., Crawfordsville, Ind.
KHD6388 True Hofacker, Box 271, RR2, Richmond, Indiana
KHD6834 B. Hubbard, 4603 Stanley Ave., Downers Grove, Ill.
KHD8971 John Norridge, Box 9, Cedarville, Illinois
KHG3085 Edwin Chisholm, 1825 Avon St., Saginaw, Mich.
KHG4945 C.M. Cooley, 1006 Hooven Ave., Hamilton, Ohio
KHG9031 Jack Pyle, 1014 S. Campbell Rd., Royal Oak, Mich.
KHH1363 Geo. Radenheimer, 3121 Andrew St., Middletown, Ohio
KHH2658 Doc Barley, West Union, West Virginia
KHI0886 Frank Keersmaekers, 22715 Maxine St., Clair Shores, Mich.
KHI5457 Geo. Barker, 343 N. 27th St., Battle Creek, Mich.
KHI9979 Gene Taylor, 121 N. Adolph Ave., Akron, Ohio
KHJ2246 Gus Cottis, RD. 2, Bantam Ridge, Winterville, Ohio
KHJ3477 Donald Belitz, 13474 Emid Blvd., Lake Fenton, Mich.
KHJ5383 Alan Eckert, Route One, Defiance, Ohio
KHJ5862 Peachy Cole, 1025 Muskingum Ave., Zanesville, Ohio
KHJ7131 Ken Massie, 115 Woodlawn Dr., Ironton, Ohio
KHJ7892 Boots Beaudry, Box 252, Trenton, Mich.
KHJ7895 Bob Best, 12067 Greenlawn, Detroit, Mich.
KHJ7920 Mury Lackey, Rt. 1 - Box 230, Berea, Ky.
KHJ8238 Carl Krueger, 2711 Liggett Dr., Parma, Ohio
KHJ8472 KJB8472 Francis Lindsay Ave., Akron, Ohio
KHJ9482 Francis Garrett, 1226 Moxahala Ave., Zanesville, Ohio
KHJ9508 Jim Posnough, HHC 3d BDE, APO, N.Y. 09162
KIA0468 Clarence Kernstock, 1820 Filmore Place, Essexville, Mich.
KIC3500 Ruthie Bopp, 350 W. Fifth St., Lewistown, Penna.
KIC3501 Phil Rodon, 16 Garfield Ave., Batavia, N.Y.
KID0007 Fred Martz, Davis-Lane Speedway, Hustontown, Pa.
KID0313 Stan Jesionowski, 31 Summer St., Fredonia, N.Y.
KID3449 Nicholas Shyshuk, P.O. Box 744, Scranton, Penna.
KID5293 James Goudy, P.O. Box 42, Hudson Falls, N.Y.
KID5389 George Gross, 1410 Burley Ave., Tyrone, Pa.
KID5802 Russ Pollard, 109 Pennsylvania Ave., Johnstown, N.Y.
KID6418 Jim Schall, 322 1/2 Main St., Leechburg, Pa.
KID7923 Buster San Filippo, 158 Sampson St., Jamestown, N.Y.
KID8232 Roy McGregor, R.D. 2, Central Square, N.Y.
KID8628 Dean Buffington, Craryville, R.F.D., N.Y.
KID9081 Dody Townsend, Box 18 Solsville, N.Y.
KID9968 Edwin Kamerer, Box 500, Selingsgrove, Penna
KIE0628 Al Gully, R. D. 3 - Box 392, Coraopolis, Pa
KJB0278 Jack Rogers, Box 2017, Kodiak, Alaska
KJC0223 J.C. McCalla, 273-G Dyea Ave., Ft. Richardson, Alaska
KJH0032 Jere Caricofe, 2301 Norfolk St., Hopewell, Va.
KJH0080 Robert Grubbs, Route 3, Winston-Salem, N.C.
KJI1072 Len Siedinski, 18 Ames Ave., Tonawanda, N.Y.
KJ2293 The Silver Eagle, 339 Harter St., Herkimer, N.Y.
KKA0488 Cyril Wilson, 6 Collins Terrace, Lynn, Mass.
KKA0880 Don Benofits, Lambs Grove, Spencer, Mass.
KKA4210 Dick Clagston, Starks, Maine
KKA5683 Bob Holmes, King Road, Monson, Mass.
KKA5858 Clayton Pearce, 192 Osborne St., Danbury, Conn.
KKA6048 Mike Surtava, 198 Mercier Ave., Bristol, Conn.
KKA7064 Irving Norman, 9 Greenfield St., Pawtucket, R.I. 02861
KKA7402 Big John, Box 368, Wet Beach, N.H.
KKA7847 Rich Vermette, 288 Elm St., Holyoke, Mass.
KKA8101 John Moriarty, 86 Beacon St., Florence, Mass.
KKA5305 Chase's Engraving, 175 Kitemaug Rd., Uncasville, Conn.
KKA8169 Charlton Swasev, Box 76, Newton Ict., N. H.

KKA8428 Linda Fritzgcs, 12 James St., North Haven, Conn.
 KKA8441 Leonard Prue, 11 Forthill Rd., Poquonnock Bridge, Conn.
 KKA8891 Ralph Lovering, 254 Prospect St., Northampton, Mass.
 KKA9940 Bob Vogel, 371 Columbia Rd., Worcester, Mass.
 KKB0087 James Lacey, 46 Oread St., Worcester, Mass.
 KKB1198 The Shafer's, 3 Cherry St., Windsor, Vt.
 KKB1587 Al Lapointe, 60 Prospect St., New Britain, Conn.
 KKB1757 Tommy Miller, 109 Fallon Drive, Hamden, Conn.
 KKB2581 Dan Patterson, 29 Winslow St., Portland, Maine
 KKB3161 Jim Darrall, 47 Howard St., Lynn, Mass.
 KKB3858 John Monaco, 118 Ledgcrest Ave., New Britain, Conn.
 KKB3865 Ed Porter, 446 West St., Rutland, Vt.
 KKB4031 Alan McCathron, 50 Crown St., Bridgeport, Conn.
 KKD0349 Jack Golden, 5025 Broadway, New York City, N.Y.
 KKD0491 Mike Kaplan, 37 Fairview Terrace, Maplewood, N.J.
 KKD0701 Dave Berbert, P.O. Box 372, Levittown, N.Y.
 KKD2292 Henry Meyer, 50 Knickerbocker Rd., Plainville, N.Y.
 KKD3924 Carlo Senatore, 396 Chestnut St., Newark, N.J.
 KKD4144 Clair Sigafoos, R.D. 2 - Box 259, Milford, N.J.
 KKD5471 Clifton McGuire, 814 Southard St., Trenton, N.J.
 KKD5534 Ken Weinstein, 3459 Eastchester Rd., New York, N.Y.
 KKD6425 Jim Marra, 160 E. Lakeview Ave., White Plains, N.Y.
 KKD9288 Don Watson, 15 Knevels Ave., Beacon, N.Y.
 KKD9414 The Fondas's, 30 Second Ave., Rensselaer, N.Y.
 KKD9511 Mitch Zimmer, 1213 East 83rd St., Brooklyn, N.Y.
 KKE0366 Al Martinez, 15 Lindy Pl., Old Tappan, N.J.
 KKE0542 John Hendrick, Box 74 - Stony Hollow Rd., Greenlawn, N.Y.
 KKG2224 Walt Roberts, 111 57th St., Brant Beach, N.J.
 KKG3074 Harold Peer, 617 Halliard Ave., Beachwood, N.J.
 KKG3229 Don Schmitt, Box #14, Gettysburg, Penna.
 KKG4032 Sophia Mitch, 309 South St. Cloud St., Allentown, Penna.
 KKG4482 Dave Petrucchi, 316 W. Van Buren Ave., New Castle, Del.
 KKG5549 Ernest Kenter, 4607 Olivehurst Ave., Olivehurst, Calif.
 KKG6020 Terry Sheppard, 2023 W. Main St., Millville, N.J.
 KKG6183 Tim Heinman, 331 North Church St., Robesonia, Penna.
 KKI0042 Edward Salevan, 816 New St., Milford, Delaware
 KKI2915 George Bowen, 831 W. Matthews Ave., Baltimore, Md.
 KKI3745 Don Petri, 2712 White Ave., Balto., Md.
 KKI3946 Don Sherman, R.D. 1 - Box 82, Bel Air, Md.
 KKI4081 Edward Smoot, 13 S. Smallwood St., Baltimore, Md.
 KKI4574 William Haines, P.O. Box 333, Riverdale, Md.
 KKK0172 James Cole, P.O. Box 775, Hamlet, N.C.
 KKK0453 Bob Maxey, Route 2, Cumberland, Va.
 KKK0471 J.L. Kirkland, Route 7, Raleigh, N.C.
 KKK1145 Jim Brizendine, 2016 Wayne St. N.E., Roanoke, Va.
 KKK1752 Dave Lindley, Route 8, Box 697, Greensboro, N.C.
 KKK4410 Smylie Grantham, P.O. Box 364, Raeford, N.C.
 KKK4512 Jake Sprouse, Rt. 6 - Box 279, Charlottesville, Va.
 KKK5253 James Blythe, Box 354, Conway, N.C.
 KKK6850 Byron Pepitone, P.O. Box 3096, Chula Vista, Calif.
 KKM2052 Linton Slappey, P.O. Box 52, Plains, Ga.
 KKM4156 Fred Monday, 77 Brownwood Ave., Asheville, N.C.
 KKM5559 George Clement, 707 Lee Ave., Rome, Ga.
 KKM7376 Donald Wilson, 1529 Bush Blvd., Birmingham, Ala.
 KKM7788 Claude Witt, 814 S. Webb Ave., Crossville, Tenn.
 KKM8296 Archie Hudgins, Rt. 2 Ward Mtn. Rd., Shannon, Ga.
 KKM9441 Floyd Pool, 2007 McBrien Rd., Chattanooga, Tenn.
 KKM9702 James Wolfe, 1707 Merrycrest Dr., Memphis, Tenn.
 KKN0808 Tom Moore, P.O. Box 908, Del Rio, Texas
 KKN2985 Charles Martin, R.F.D. 6, Harrison Pk., Cleveland, Tenn.
 KKN3002 Robert Miller, 1430 N. Houston, Athens, Ala.
 KKP1645 Henry McLeod, P.O. Box 126, Perry, Fla.
 KKP3353 Tom Luchin, 421 75th St., Miami Beach, Fla.
 KKP3652 James Pace, 5900 South Trail, Tallahassee, Fla.
 KKP4196 Mike Royal, P.O. Box 794, Auburndale, Fla.
 KKP4260 Clark Dickinson, Rt. 2 - Box 50, Perry, Fla.
 KKP5236 Bob Peter, 198 Hibiscus St., St. Augustine, Fla.
 KKP5254 John Saunders, 2202 E. 109th Ave., Tampa, Fla.
 KKR1231 David Cargill, P.O. Box 252, Ruston, La.
 KKR4044 J.J. Wells, 1070 Arlington St., Mobile, Ala.
 KKR5223 Charles Keathley, 3005 Loma Drive, Little Rock, Ark.
 KKT3900 Leonard Ferguson, 4217 Nagle, Bryan, Texas
 KKV7967 Tom Richey, 817 Hillside Dr., Sherman, Texas
 KXX0311 Ed Bastian, 8108 Lemona Ave., Van Nuys, Calif.
 KXX1831 Joe Stechnij, 555 W. Mahoney Ave., Mesa, Ariz.
 KXX1952 Howard Rebel, P.O. Box 765, Corona, Calif.
 KXX2834 George Strainline, 1171 W. Miracle Mile, Tucson, Ariz.
 KXX3439 Betty Rebel, P.O. Box 765, Corona, Calif.
 KXX4867 Wade Blythe, 14639 Lakeside St., Sylmar, Calif.
 KXX5201 Dale Fletcher, 54728 El Prado Trail, Yucca Valley, Calif.
 KXX7505 Pete Gabel, 4240 Palmero Dr., Los Angeles, Calif.
 KXX8504 Ken Weiland, 137 South Poinsettia Pl., Los Angeles, Calif.
 KLA2524 John Brown, P.O. Box 502, San Pablo, Calif.
 KLA4894 Robert Hash, 720 W. Acequia, Visalia, Calif.
 KLA5187 Ken Anderson, P.O. Box 1008, Los Gatos, Calif.
 KLA5776 Ross Dunnigan, 11705 Barnett Valley Rd., Sebastopol, Calif.
 KLA5788 T & E Saunders, 782 Hutchings Drive, San Leandro, Calif.
 KLA7292 Wayne Metzger, 4068 N. 3rd, Fresno, Calif.
 KLA7428 Jack Evans, P.O. Box 108, Ivanhoe, Calif.
 KLE1482 Doyle Pruitt, 800 20th, Eunice, New Mexico
 KLE2216 Roy Blodgett, South Route Box 20, Kimball, Nebraska
 KLE2247 Johnny Lyon, Rt. 1, Box 33, Dix, Nebr.
 KLE4994 Jack Doggett, 8060 Dema Drive, Des Moines, Iowa
 KLE8375 Michael Anthes, 7804 Bloom Dr., St. Louis, Mo.
 KLEH8504 Sanford Kelley, 2707 Endicott, Ferguson City, Kans.
 KLI1246 Joe Wehr, R.R. 3, Harlan, Iowa
 KLI1365 Glenn Earney, 928 Olympia Dr., Ferguson, Mo.
 KLJ0280 Al Warshaw, 1905 E. 86th St., Chicago, Ill.
 KLJ3281 Gerald Manet, 2207 West 9th St., Muncie, Ind.
 KLJ3382 Earl Gordon, 419 W. Grand Ave., Decatur, Ill.
 KLJ3945 William Turner, 1728 Ford Ave., Owensboro, Ky.
 KLJ4024 Loren Snyder, 542 9th E. South, Clinton, Iowa
 KLJ4663 Bev Chappell, 3644 E. Minnie St., Decatur, Ill.
 KLJ6057 Bill Hittle, 1601 So. 4th St., Richmond, Ind.
 KLJ9320 Vance Heynen, 1411 Lake St., Pekin, Ill.
 KLK1573 Dave Weil, Sumava Resorts, Ind.
 KLK1623 Ada Gordon, 419 W. Grand Ave., Decatur, Ill.
 KLK2079 Russell Smith, 107 So. State St., Louisville, Ky.
 KLK2458 Lincoln Ide, 7842 So. McVicker, Oak Lawn, Ill.
 KLK4317 Pat Cavanaugh, 3620 West Southland Dr., Franklin, Wis.
 KLK4590 Pat Spavn, West Lebanon, Indiana
 KLK5488 Lorraine Regene, 2315 So. 5th St., Rockford, Ill.
 KLK5810 Irving Felzer, 2131 So. 15th Place, Milwaukee, Wis.
 KLK5969 Lois Jacobson, 9115 Baldwin Dr., Rockford, Ill.
 KLK6413 Frank Reynolds, P.O. Box 358, Morocco, Ind.
 KKL8149 Marvin Simpson, 305 Gilbert St., Muscatine, Iowa
 KLL0297 Bob Hubsch, 179 Sunsetwood Dr., Park Forest, Ill.
 KLL0800 Gil Davis, 2405 West Blvd., Anderson, Ind.
 KLM1447 Lee Collins, 4814 Sundale, Drayton Plains, Mich.
 KLM3314 Paul Monhart, 2170 W. 63 St., Cleve., Ohio
 KLM4842 Bessie Hazen, 231 North Mead St., Zanesville, Ohio
 KLM5752 Carl Martin, 130 Clark St., Elyria, Ohio
 KLM5832 Noel Allen, P.O. Box 54, Roseville, Ohio
 KLM6265 Terry Wright, 525 South Downing St., Piqua, Ohio
 KLN2229 Jerry Bradley, 1881 Whitefeather Rd., Pinconning, Mich.
 KLN2522 Anthony Gover, Bronston, Ky.
 KLN2610 Joe Tyika, 1410 Maple St., West Bellaire, Ohio
 KLN3125 John Daugherty, 129 Elmore St., Zanesville, Ohio
 KLN3263 Henry Smith, 11944 Algonquin, Pinckney, Mich.
 KLN5264 V.A. Norling, 25 Indian Trail, Poland, Ohio
 KLN6051 Ray Buell, 3313 Trade Winds Ave., Dayton, Ohio
 KLN6367 Tom Gettgood, 426 Mitchell St., Sanford, Mich.
 KLN7229 Bernard Weber, 820 Silver Lake Rd., Fenton, Mich.
 KLN7344 John Arnold, 8 E. Main St., Trenton, Ohio
 KLN7841 Grace Baudry, Rt. 1, Rose City, Mich.
 KLN8233 Don Gorda, 1854 Warwick, Lincoln Park, Mich.
 KLN8474 Jerry Teynor, 310 E. Irving St., Bucyrus, Ohio
 KLN8778 George Gruschke, Rt. 2, Alpena, Mich.
 KLN9155 Evans Johnson, 115 McKee, Manistee, Mich.
 KLN9710 Ray Keller, 852 N. Rosedale Ave., Lima, Ohio
 KLN9891 Marvin Schuler, 3940 South Dixie Highway, Lima, Ohio
 KLO0519 Don Jones, R.R. #2, Lawrenceburg, Ky.
 KLO2146 Harold Hicks, 211 East Main St., Trotwood, Ohio
 KLO2529 James Jones, 523 West Main St., Zealand, Mich.
 KLP0319 Pete Hons, 614 Main St., Portage, Pa.
 KLP2753 Horace Morath, 2380 Woodard Rd., Elma, N.Y.
 KLP3284 James Phillips, 599 West 8th St., West Wyoming, Pa.
 KLP3765 Ken Clemens, Box 71, Yorkville, N.Y.
 KLP5005 Bud Fowkes, 1031 5th Ave., Duncansville, Pa.
 KLP6626 Wallace Nolen, 12 Chase St., White Plains, N.Y.
 KLP7036 Bill Stern, 116 Evelyn Ave., Amsterdam, N.Y.
 KLP7105 Leon Thomas, 615 Old Falls Blvd., No. Tonawanda, N.Y.
 KLP7516 Guy Widmeyer, Box 99-A, Hopwood, Penna.
 KLP7578 David Moss, P.O. Box 61, Endicott, N.Y.
 KLP7749 Ray Bronder, 416 9th St., Monessen, Pa.
 KLP7879 Clarence Peet, Box 73, Port Crane, N.Y.
 KLP8083 Howard Davidson, 26 Knight St., Glens Falls, N.Y.
 KLP8791 Jim Smith, R.D. 3, Fort Plain, N.Y.
 KLP9151 Bob Lance, 10 Fredella Ave., Glens Falls, N.Y.
 KLP9557 George Booth, 971 Sweeney St., No. Tonawanda, N.Y.
 KLP9660 Harold Clark, Ellicottville, N.Y.
 KLP9709 Dick Tipton, 1252 Hilton Parma Rd., Hilton, N.Y.
 KLOQ343 Dave Rhodes, 30 Garden Terrace, Pittsburgh, Pa.
 KLOQ423 Roy Clinch, 3558 Gifford Rd., Vernon Center, N.Y.
 KLOQ457 Charles Goughnour, 207 Coldren St., Johnstown, Pa.
 KLOQ660 Jerry Monroe, R.D. 1, Coy Road, Greenfield Center, N.Y.

KLQ1594 Larry Mott, 521 Mosley Drive, Syracuse, N. Y.
 KLQ1745 Harris & Son, 2010 Cold Spring Rd., Liverpool, N. Y.
 LKQ2433 Robert Wydra, 472 Pringle St., Pringle, Pa.
 KLU0347 Charles Lowrey, Box 3878-P, Star Rte B, Anchorage, Alaska
 KMA0019 Sumner Eagerman, 39 Tennis Road, Mattapan 'Boston', Mass.
 KMA0060 Norman Harold, 27 Blantyre Rd., Malden, Mass.
 KMA0434 Paul Malachowski, 6 Shady Lane, Wilbraham, Mass.
 KMA0449 Faith Jenner, 96 Proctor St., Waterbury, Conn.
 KMA0517 Earl Holbrook, 29 Maynard St., Attleboro. Mass.
 KMA0722 John Hall, 2 Crescent St., Portland, Me.
 KMA0861 Regis Drakopoulos, 27 Douglas St., Haverhill, Mass.
 KMA0885 Dave Barney, Box 73, Center Rutland, Vt.
 KMA1779 Les Olson, 68 Symonds Ave., Collinsville, Conn.
 KMA2028 Edwin Keller, 10 South St., Plymouth, Mass.
 KMA2668 Steve Shear, 177 Cherry St., Malden, Mass.
 KMA2766 Chuck Saverse, High Manor Park, Rockville, Conn.
 KMA3375 Chuck Connors, 31 New Winchendon Rd., Baldwinville, Mass.
 KMA3491 Chris Marinelli, 45 Milton St., New Britain, Conn.
 KMA3521 John Franzin, 102 Mount View Dr., Holden, Mass.
 KMA3914 Clare Thompkins, 156 Boston Post Rd., Waterford, Conn.
 KMA4245 Henry Tadrzenski, 143 Newell Ave., Bristol, Conn.
 KMA4356 Fred Smuckler, 6 Grant St., Beverly, Mass.
 KMA4497 Paul Polonsky, 19 Mill St., Beverly, Mass.
 KMA4715 Charles Lynn, Robbin Hill, Solon, Maine
 KMA4850 David Glenn, 370 Warner Hill Rd., Southport, Conn.
 KMA5715 George Goodell, Enfield, N.H.
 KMA5788 Gary Supsniskas, 331 Stanley St., New Britain, Conn.
 KMA5863 Dave Hakes, 11 West St., Adams, Mass.
 KMA5991 Ron Rumary, 102 East St., Plainville, Conn.
 KMA6239 John Ewig, 3 Congdon St., Worcester, Mass.
 KMA6391 Joseph White, 56 Warren St., Everett, Mass.
 KMA6504 Don Lemoine, 118 Miller St., Springfield, Mass.
 KMA6706 Larry Searles, 97 Crescent St., Rutland, Vt.
 KMA7224 Greg Hanson, 4 Cannon Rd., South Portland, Maine
 KMA7347 John Pietras, 53 Devens St., Indian Orchard, Mass.
 KMA7383 Joe Crowley, 66 Andrews Rd., Wollaston, Mass.
 KMA7386 Al LaMont, 334 Linden St., Holyoke, Mass.
 KMA7668 Bill Harvey, 16 Sander St., New London, Conn.
 KMA8131 Butch Blanchard, Hathaway St., Adams, Mass.
 KMA9039 Vincent Urban, 38 Burke Rd., Rockville, Conn.
 KMA9209 Al Doty, P.O. Box 273, Thompsonville, Conn.
 KMA9261 Carroll Rogers, Box 178, Middletown, Conn.
 KMA9803 Wil Denis, 110 Phillips St. RD 2, Attleboro, Mass.
 KMA9865 David Orluk, 200 Manchois Rd. Ext., Wilbraham, Mass.
 KMB0013 Roland Mandeville, 37 Holman St., Attleboro, Mass.
 KMB0161 Jimmy Macione, 97 Riverview Ave., New London, Conn.
 KMB0611 Everett Decker, P.O. Box 411, Westfield, Mass.
 KMD0003 David Boyko, 2514 Callahan Ave., Watervliet, N. Y.
 KMD0346 Nelson Powell, 29 Hilton St., East Orange, N. J.
 KMD0404 Lawrence Fried, 3070 Seaview Lane, Bellmore, N. Y.
 KMD0428 David Bellask, 1159 East 42nd St., Brooklyn, N. Y.
 KMD0490 Fred Decter, 339 Leslie St., Newark, N. J.
 KMD0992 Howard Huneke, 518 Mountain Ave., Springfield, N. J.
 KMD1113 Richard Harvey, 133 Morris Ave., Summit, N. J.
 KMD1705 Phillip Ellery, 20 Riverside Dr., Suffern, N. Y.
 KMD1755 Ronald White, St. Remy, New York
 KMD2334 Sherwood Wile, 15 Vanderventer Ave., Pt. Washington, N. Y.
 KMD2393 Stewart Romain, 937 East 103 St., Brooklyn, N. Y. 11236
 KMD2393 Brooklyn Bomber, Box 107, Brooklyn, N. Y. 11236
 KMD2426 Peter Cleary, 81 Westbrook Ave., Midland Park, N. J.
 KMD2436 John Erwin, 38 Gouverneur St., New York, N. Y.
 KMD2462 Bob Miro, 2680 E. 19th St., Brooklyn, N. Y.
 KMD2476 Gene Rosenberg, 367 Grant Ave., Oradell, N. J.
 KMD2625 Philip Trofimuk, 164 Main St., Franklin, N. J.
 KMD2632 Donald Heide, 2732 Batchelder St., Brooklyn, N. Y.
 KMD3059 Bruce McPherson, 231 Wales Ave., River Edge, N. J.
 KMD3327 W. Mitchell, 31 Fowler Ave., Newburgh, N. Y.
 KMD3295 Alex Marcus, 315 East 68 St., New York, N. Y.
 KMD3719 Dale Schmaling, 239 Seymour Rd., Port Chester, N. Y.
 KMD4049 Thomas Ninnie, 2 Chiappardi Place M.D., Beacon, N. Y.
 KMD4065 Richard Riccardelli, 206 DeLong Ave., Dumont, N. J.
 KMD4083 Rick Trevena, 103 Bryson Ave., Staten Island, N. Y.
 KMD4346 Edward Efchak, 91-17th Ave., East Paterson, N. J.
 KMD4609 George Milstein, 11-20 Plymouth Dr., Fair Lawn, N. J.
 KMD5016 Martin Gdansk, 609 Kappock St., New York, N. Y.
 KMD5177 Mark Linett, 80 Huntington Ave., Scarsdale, N. Y.
 KMD5215 John Steinmetz, 96-10 57th Ave., Rego Park, N. Y.
 KMD5342 Larry Grodjieski, 33-24 Halsey Rd., Fair Lawn, N. J.
 KMD5998 Ken Eller, 99 E. 4 St., New York, N. Y.
 KMD6375 Joseph Mohr, 348 Morton Ave., Rahway, N. J.
 KMD6868 Ed. Raffo, 325 Lexington Dr., River Edge, N. J.
 KMD7021 Dale Gerard, P.O. Box 135, Ardonia, N. Y.
 KMD7533 Michael Hurtack, 16 Montrose Ave., Fanwood, N. J.
 KMG0285 Charles Bell, 407 Pomeroy St., Ridley Park, Pa.
 KMG0384 Hal Webb, Evangelistic Team, Ridley Park, Penna.
 KMG0524 Gary Nicholson, 801 North Pitt St., Carlisle, Penna.
 KMG0597 Bob Zeiber, 1001 Midway Ave., Temple, Pa.
 KMG1362 Ted Gingrich, 1801 Mayflower Circle, Lancaster, Penna.
 KMG1802 Richard Fennessy, 209 Meadow Ave., Point Pleasant, N. J.
 KMG1806 Ken Harryn, 158 W. Clarke St., Hellertown, Pa.
 KMG2513 Harry Watson, 53 W. Columbia Ave., Lindenwold, N. J.
 KMG3653 Duke Michini, 4911 Threadneedle Rd., Wilmington, Del.
 KMG4491 Ricky Knowles, 2007 Lincoln Ave., Wilmington, Del.
 KMG4642 Jim Conard, 821 E. Guilford St., Lebanon, Penna.
 KMI0059 Doug Lasher, P.O. Box 226, Millsboro, Del.
 KMI0347 Betty Bedford, 4903 Asbury Lane, Bethesda, Md.
 KMI1110 Charles Paugh, 648 Park St., Morgantown, W. Va.
 KMI1259 Mike Magro, 217 Long Alley, Morgantown, W. Va.
 KMI1239 Joe Lentini, 7911 Amherst Dr., Pensacola, Fla.
 KMI1499 Don Heinbuch, 218 North Rose St., Baltimore, Md.
 KMI1861 John Hawkins, 9631 52nd Ave., College Park, Md.
 KMI2116 Gary Tate, 900 Hood Ave., Shinnston, W. Va.
 KMI2129 Robert Coffman, 319 Cedar Dr., Salisbury, Md.
 KMI2262 Todd Smith, 828 Hamilton Blvd., Hagerstown, Md.
 KMI2312 Fred Fleming, P.O. Box 2155, Monongah, W. Va.
 KMI2317 Mike Pepper, 12905 Broadmore Rd., Silver Spring, Md.
 KMI2488 Dallas Bradford, Box 74, Pittsview, Md.
 KMI2756 Harold Feagan, 518 Main St., Weston, W. Va.
 KMI3005 Terry Collins, 4 King Ave., Frederick, Md.
 KMI3357 Mike Reshetar, 9021 Manchester, Rd., Silver Spring, Md.
 KMI3482 Bill Rowan, 1133 Steiger Way, Baltimore, Md.
 KMI3828 Gertrude Seaber, 409 Vine St., Westernport, Md.
 KMI3835 Boyd Wright, 12023 Bennett Rd., Herndon, Va.
 KMK0405 Reid Vernon, Rt. 5 - Box 369, Mt. Airy, N. C.
 KMK0568 Jack Pridgeon, 408 W. 19th St., Lumberton, N. C.
 KMK0678 Edith Grantham, P.O. Box 364, Raeford, N. C.
 KMK1105 Dwight Ayers, 41 Renola Dr., High Point, N. C.
 KMK2449 Joe Bush, 10505 Covent Rd., Richmond, Va.
 KMK3871 Tommy Stevens, Route 1, Box 277, Raeford, N. C.
 KMK5278 Tom Beam, 813 Hillcrest Dr., Staunton, Va.
 KMK5383 Greg Ferree, 113 Francis Dr., Asheboro, N. C.
 KMM0149 Ivan Weevie, 430 N. Commerce St., Summerville, Ga.
 KMM0243 Mike Murphey, 4505 Rogers Rd., Chattanooga, Tenn.
 KMM1135 Lonnie Jenkins, 8 Ranger Dr., Charleston Hgts. S. C.
 KMM1484 Jerry Morgan, 106 Mercham St., Mt. Pleasant, Tenn.
 KMM3176 Robert Thomas, 115 Larchmont, Chattanooga, Tenn.
 KMM5807 Willis Knights, 903 Beech St., Newport, Tenn.
 KMM5816 Ora Cardwell, Rt. 1 - Box 335, Heiskell, Tenn.
 KMM6790 Steve Fuston, 110 Water St., Woodbury, Tenn.
 KMM9410 Skip Dakeman, 6109 Bermuda Terr., Chattanooga, Tenn.
 KMP0104 Viv Kelch, 3122 Ivel Dr., Orlando, Fla.
 KMP0465 Bill Bartlett, 7261 E. Eudine Dr., Jacksonville, Fla.
 KMP1228 Cy Hyde, 1140 37th Ave. N.E., St. Petersburg, Fla.
 KMP2491 Carroll Pirtle, 2213 Barry Dr., Fort Myers, Fla.
 KMP2961 O. T. Milton, 276A Elm St., Glasgow AFB, Montana
 KMP3274 Steve Jacobson, 1051 N.E. 138 St., No. Miami, Fla.
 KMP3674 Harve Kauffman, P.O. Box 2513, Port Charlotte, Fla.
 KMR0973 Wayne Knobloch, 3307 W. Loyd St., Pensacola, Fla.
 KMR1294 Bill Landry, 9724 Diane Ave., Baton Rouge, La.
 KMR1486 Kenneth Fisher, Rt. 2 - Box 334, Malvern, Ark.
 KMR3973 John Owen, 69 No. Meadowcliff Dr., Little Rock, Ark.
 KMR6064 Virgil Moore, Route 2, Conway, Ark.
 KMR6514 Johnny Velaski, 2504 Greenlawn Dr., Mobile, Ala.
 KMR7131 Dougie Vickers, 10144 Mossle Dr., Baton Rouge, La.
 KMT1395 Floyd Tappan, 6315 Newquay, Houston, Texas
 KMT1506 Arthur Cates, 1310 North Dakota, Baytown, Texas
 KMT2245 C. W. Pyle, Rt. 2, Iola, Texas
 KMT3271 Cally Goodwin, 4301 Nagle, Bryan, Texas
 KMV3634 Frank White, Rt. #3 - Box 109, Bartlesville, Okla.
 KMV6463 The Haslers, 420 Northlake Shopping Center, Dallas, Tex.
 KMV7641 Paul Lawson, 923 So. 8th, Ponca City, Okla.
 KMV7910 Joel Bond, 6223 Stefani, Dallas, Texas
 KMX0073 Tom Berg, P.O. Box AL, Atascadero, Calif.
 KMX1007 Rolly Butler, 520 E. Fourth St., Long Beach, Calif.
 KMX2394 Ed. Hoover, 716th M.P.B.N., APO SF 96243 Viet-Nam
 KMX2815 Chuck Emerson, P.O. Box 3363, Scottsdale, Ariz.
 KMX3011 Lynn Gettgey, 901 E. Grand, El Segundo, Calif.
 KMX3234 Ron Murphy, 12993 Herrick St., Sylmar, Calif.
 KMX3714 Donald Hamilton, 1780 N. Conejo, San Bernardino, Calif.
 KMX4133 N.A. Jasperson, 2741 Live Oak St., Huntington Park, Calif.
 KMX4859 Bob Sanson, P.O. Box 548, Scottsdale, Ariz.
 KMX5223 Fred Osterman, 621 N. Philadelphia St., Anaheim, Calif.
 KMX7611 Bruce Beecraft, 4515 Bellflower Blvd., Long Beach, Calif.
 KMX7748 Bob Callahan, 1817 Anacapa St., Santa Barbara, Calif.
 KMR8433 Don Janssen, 4525 Comber Ave., Encino, Calif.
 KNA1504 Mike Forsyth, 789 Colusa Ave., El Cerrito, Calif.

KNA1606 Bud Boswell, 211 Harrison St., Coalinga, Calif.
 KNA1941 Dick Miranda, 2663 Kavanaugh Rd., San Pablo, Calif.
 KNA2060 Frank Oxner, 382 Monterey, Pacifica, Calif.
 KNA2893 Edward Fell, 4018 E. 3rd Ave., Napa, Calif.
 KNA4972 Mac Ogborn, 2217 North Rancho Rd, El Sobrante, Calif.
 KNA5053 Gordon Graham, 37340 Walnut St., Newark, Calif.
 KNA6190 Chuck Iverson, 2611 Humphrey Ave., Richmond, Calif.
 KNC0535 Ed King, 505 Merchant, Eastside, Oreg.
 KNC0908 The Ames', 1112 East Maple, Hillsboro, Oreg.
 KNC0998 Virg Dean, 9316 SE Woodstock, Portland, Oreg.
 KNC1557 Monty Gould, Rt. 2 - Box 254-S, Sweet Home, Oreg.
 KNC2044 Daryl Thompson, P.O. Box 546, Warm Springs, Oreg.
 KNC2257 Rick Warner, 4290 High St., Eugene, Oreg.
 KNC2354 Jacques Roberts, #9 Cadillac, Valsetz, Oreg.
 KNC2570 James Saigeon, HQ, SAC (DPSE) Offutt AFB, Omaha, Nebr.
 KNC3233 Oscar Drew, Route 2, Box 246-A, Coos Bay, Oreg.
 KND0055 Clint Ulrich, Malta, Montana
 KND2270 Bill Kirsch, P.O. Box 275, Hoquiam, Wash.
 KND2704 Rex Ulrich, Regina, Montana
 KND2812 Steve Elke, 5039 Ocean Ave., Everett, Wash.
 KNE1493 Gerald Nielsen, 590 North 3rd West, American Fork, Utah
 KNE1971 John Brutlag, 124 Ash St., Sheridan, Wyo.
 KNE2773 David Bloom, 8414 Trumbull S.E., Albuquerque, N.M.
 KNF1860 Steve Krueger, 405 W. Prospect St., Rhinelander, Wis.
 KNH1445 Virgil Argo, 520 West Halsey St., Maryville, Mo.
 KNH2138 James Larson, 617 North Spruce, Wichita, Kans.
 KNH2587 Frank Mauler, R.F.D. 1, Olmitz, Kansas
 KNH2593 Card Swapping Dale, 125 E. Holden, Lemay, Mo.
 KNH4676 Jerry Dee, Box 263, Cedar Falls, Iowa
 KNH4989 Rich Morris, 2212 Cedarbrook, Springfield, Mo.
 KNH6510 Bill Boxer, 2720 Alameda, Springfield, Mo.
 KNH7132 Henry Hawkins, R. 1 - Box 86, Fairgrove, Mo.
 KNH7167 Keith Miller, 1110 Second St., Perry, Iowa
 KNH7527 Stan Fischer, 117 Cady St., St. Louis, Mo.
 KNH7604 Gene Holdinghausen, Box 123, Hematite, Mo.
 KNH7705 Bill Thompson, 519 N. Quincy, Sedalia, Mo.
 KNH7730 Kim Walter, 330 North First, Central Bluffs, Iowa
 KNH8307 Ed Provence, 819 Marcellene, Wichita, Kansas
 KNH9112 Al McCool, 2605 South 45th St., Kansas City, Kans.
 KNI0209 Walter Murphy, 5511 Ash Drive, Roeland Park, Kans.
 KNI0326 Don Feltz, Keota, Iowa
 KNI0500 Oscar Hartmann, 125 E. Holden, Lemay, Mo.
 KNI0720 Hal Cook, P.O. Box 224, Columbus, Nebr.
 KNJ0550 Bill Busse, 100 South Louis St., Mount Prospect, Ill.
 KNJ1289 Richard Morgan, Box 891, Supply Sq., Duluth, Minn.
 KNJ2321 Rick Rumick, 1032 Oak Ridge Dr., Glencoe, Ill.
 KNJ2415 Roger Knautz, 6450 N. Leoti, Chicago, Ill.
 KNJ3086 Janet Stanley, 334 N. Franklin St., Dunkirk, Ind.
 KNJ3091 Pete Hauer, 512 E. Galena Blvd., Aurora, Ill.
 KNJ4325 William Eager, 629 Ohio, Quincy, Ill.
 KNJ4430 David Conder, 1319 South Cherry, Centralia, Ill.
 KNJ4674 Howie Beesley, 8444 S. Halsted, Chicago, Ill.
 KNJ5888 Harold Peck, 1344 Huestis Ave., Fort Wayne, Ind.
 KNJ6487 John Crawford, P.O. Box 1053, Owensboro, Ky.
 KNJ6622 Robert Hensley, R. R. 1, Tamalco, Ill.
 KNJ6721 John Povlinski, 445 E. Ridge Rd., Gary, Ind.
 KNJ7047 Gerry Ahler, R. 6 - Box 26 Hy-P, Burlington, Wis.
 KNJ7169 Robert Eurick, R.R. 2 - Box 20-B, Noblesville, Ind.
 KNJ7391 Bob Conant, 613 South Bluff Rd., South Beloit, Ill.
 KNJ7698 Steinar Loken, 2825 W. McLean Ave., Chicago, Ill.
 KNJ7802 Wm. Wallace, 35 Gilbert St., Savanna, Ill.
 KNJ8570 Tommy Nance, Route 2, Brazil, Ind.
 KNJ8755 Gay Hodges, P.O. Box 318, Centralia, Ill.
 KNJ8784 Don Ault, 1823 South 5th Ave., Maywood, Ill.
 KNJ9342 Max Reed, Box 320, Byron, Ill.
 KNJ9452 Bill Hinders, 225 N. Phillips St., Kokomo, Ind.
 KNJ9778 Buddy Stroube, 105 Cumberland Dr., Princeton, Ky.
 KNJ9997 Bill Hemphill, R.R. 7 Lake Holiday, Crawfordsville, Ind.
 KNK0240 Don Field, 464 Shabbona Dr., Park Forest, Ill.
 KNK0383 Whitey Overton, R.R. 2, Claypool, Ind.
 KNK0460 David Sigo, Rt. 1 - Box 153, Goodland, Ind.
 KNK0580 Russ Draggist, R.R. 1, Spring Bay, E. Peoria, Ill.
 KNK0706 Roy Powell, 706 S. Manhattan St., Indianapolis, Ind.
 KNK0717 Clifford Major, 1136 E. Elmhurst, Decatur, Ill.
 KNK1121 Rick Constable, North James, Goodland, Ind.
 KNK1126 Richard Danhauer, St. Paul Church, RR 2, Leitchfield, Ky.
 KNK1129 C.B. Brown, 807 East 15th St., Sterling, Ill.
 KNK1188 Charles Primus, RR 2, Vincennes, Ind.
 KNK1257 Bill Turner, 1217 So. 5th St., Paducah, Ky.
 KNK1553 Charles Guarino, Box 8, Goodland, Ind.
 KNK1890 Ernest Petersen, 1201 Roosevelt St., Clinton, Iowa
 KNK2004 The Rodinos, 2019 E. 4th St., Mishawaka, Ind.
 KNK2211 Ron James, 1352 E. Locust St., Decatur, Ill.
 KNK2343 Ken Kramer, 5735 S. Merrimac Ave., Chicago, Ill.
 KNK2902 Richard Goss, 615 - 10th Ave., Coralville, Iowa
 KNK2907 Mickey Urban, 2696 Dearborn St., East Gary, Ind.
 KNK3110 Warren Neumann, 2333 Highway 41, Gurnee, Ill.
 KNK3180 Kenneth Proeber, 9333 W. Eden Place, Milwaukee, Wis.
 KNK3542 Bill Phalen, 514 S. Dixon Ave., Dixon, Ill.
 KNK3972 Joseph Jachmiak, 2400 South St., Rolling Meadows, Ill.
 KNK4165 Bruce Anderson, 16235 Carse, Harvey, Ill.
 KNK4639 Claude Ensinger, 639 W. Lincoln Way, Morrison, Ill.
 KNK4664 Jerry Redar, 2007 Church St., Dyer, Ind.
 KNM4813 Jim Waters, 28 S. Pembroke Ave., S. Zanesville, Ohio
 KNK4890 Kent Newton, 608 Sunset Court, Havana, Ill.
 KNK5387 Paul Cunningham, 403 19th St., Logansport, Ind.
 KNK6091 Tom Kozrowski, 3976 Maryland St., Gary, Ind.
 KNK6293 Hank Peterson, 3041 N. 77th Ct., Elmwood Park, Ill.
 KNK7517 Bill Miller, 407 Allison Rd., Middletown, Ky.
 KNM0454 Kenneth Francisco, Route 1, New Straitsville, Ohio
 KNM0810 Don Theisen, 53 Norwood Ave., Norwalk, Ohio
 KNM0827 Dallas Leith, 23 Gail Lane, Tiffin, Ohio
 KNM1306 Bill Strutz, 317 Columbine Ave., Akron, Ohio
 KNM2171 Gary Maturen, 1003 Court, Saginaw, Mich.
 KNM2184 Gary Crippens, West 35 St., Shadyside, Ohio
 KNM2322 Chuck Sisler, 140 Montgomery Lane, Mingo Junction, Ohio
 KNM2350 Glenn Rey, 132 Hill St., Lansing, Mich.
 KNM2365 Mike DelCotto, Box 393, Powhatan Point, Ohio
 KNM3050 Jim Dameron, 2556 North Union Rd., Dayton, Ohio
 KNM3577 Walt Boren, 4525 Haddington Dr., Toledo, Ohio
 KNM4121 Howard House, P.O. Box 357, Winchester, Ky.
 KNM4439 Ed Konopka, 3112 Bradley Rd., Westlake, Ohio
 KNM4500 William Selzer, 3812 S. Turkeyfoot Rd., Akron, Ohio
 KNM4570 Myrtelee West, 1804 East Ganson St., Jackson, Mich.
 KNM4813 Jim Waters, 28 S. Pembroke Ave., South Zanesville, Ohio
 KNM4958 Richard Gaunt, 15 Riverside Dr., Saginaw, Mich.
 KNM5016 Bill Brooks, 117 W. Stewart Ave., Flint, Mich.
 KNM5436 Nick Koch, 6422 Elbrook Ave., Cincinnati, Ohio
 KNM6718 Walter Smith, Box 183, Hines, W. Va.
 KNM6935 Roger Weber, 6231 Highland Rd., Cleveland, Ohio
 KNM7185 C. Victor Fortnoff, 1759 Kingsley Ave., Akron, Ohio
 KNM7399 Lyle Green, Boyne City, Mich.
 KNM7694 Keith Carnes, 2277 Oak Park Ave., Muskegon, Mich.
 KNM8518 Harry Kimmel, 869 Wood St., Follansbee, W. Va.
 KNM9486 Stephen Hodges, 105 1/2 5th St., Ludington, Mich.
 KNM9699 Ted Davis, R.D. 1 - Box 38-A, Farmdale, Ohio
 KNM9849 Harold Kraenzlein, 4049 Hess, Saginaw, Mich.
 KNN0101 Steve Stephan, 1051 W. Maple Ave., Adrian, Mich.
 KNN0483 Paul Craig, 2324 Greenacre Dr., Findlay, Ohio
 KNN0838 Dave White, 23305 Fernwood, Beachwood, Ohio
 KNN1005 Larry Funderburg, 126 Bierce St., Dayton, Ohio
 KNN1608 Bernie Godaway, Box 256-B, St. Clairsville, Ohio
 KNN1625 Bill Hutchisson, 3130 W. 115th, Cleveland, Ohio
 KNN1700 John Rice, 204 East Main St., Metamora, Ohio
 KNN2137 Laura Plueddemann, R.D. 2, Clinton, Ohio
 KNN2330 Tom Biggs, 820 Stone St., Flint, Mich.
 KNN2435 Ervin Laurenz, 7214 Cole Rd., Saginaw, Mich.
 KNN2515 Bob Troupe, 532 Ticker St., Linden, Mich.
 KNN2969 Bugs Callison, 204 Harrison St., Elyria, Ohio
 KNN3349 R. Scott Hoff, 3327 Stettinius, Cincinnati, Ohio
 KNN3559 Ralph Crawford, P.O. Box 621, Olive Hill, Ky.
 KNN3702 Mike Croisant, 403 Cottonwood, Midland, Mich.
 KNN4055 John Stevens, 259 Wilson St., Oregon, Ohio
 KNN4066 Al Rosenberg, 423 First St., Piqua, Ohio
 KNN4139 Calvin Foster, 8880 Lange Rd., Fowlerville, Mich.
 KNN4722 Alex Gillespie, 2725 Grindley, Dearborn, Mich.
 KNN4766 Vince Friedell, 1642 Kedron St., Toledo, Ohio
 KNN5558 T.J. Statzer, Box 1817, Logan, W. Va.
 KNN6115 Mary McIver, 733 Barker Dr., Springfield, Ohio
 KNN6192 John Dye, 3705 Harrison St., Belleair, Ohio
 KNN6590 Don Grimes, Box 64, Woodstock, Ohio
 KNN6600 Anton Quint, P.O. Box 1392, Cincinnati, Ohio
 KNN6680 Jess Beckhorn, 4248 Farr Rd., Fruitport, Mich.
 KNN7291 Alfred Chavis, 218 So. Elm St., Troy, Ohio
 KNN7332 Neil Sanders, 8 Portsmouth Rd., Gallipolis, Ohio
 KNN7902 Jesse Dunn, 2214 Aitken Ave., Flint, Mich.
 KNN7942 Robert Robinson, Box 34, Fleming, Ohio
 KNN8048 Bill Naus, 325 Pine Hill Ave., Cheboygan, Mich.
 KNP0567 Bob Ivanoff, 726 Ellsworth Ave., Jeannette, Penna.
 KNP1507 Larry DeMarco, 909 Elizabeth St., Mechanicville, N.Y.
 KNP1806 John Rose, 431 Jackson St., Summerhill, Pa.
 KNP1994 John Bruny, 2005-7th St., Beaver Falls, Pa.
 KNP2225 Robert Madison, 1515 Edgar Ave., Chambersburg, Pa.
 KNP2399 Dale Monfort, 218 Maplecrest Ave., Lakewood, N.Y.
 KNP2429 Bob Bialecki, 17 Roser St., Rochester, N.Y.
 KNP2471 Jim Labs, Route 1, St. Thomas, Penna.

KNP2658 Ronnie Goodwin, R.D. #3, Wellsboro, Pa.
 KNP2974 Rich Artman, 2625 Chestnut St., Lower Burrell, Pa.
 KNP3245 Geo. Thayer, A303 Iroquois Dr., Salamanca, N.Y.
 KNP3338 Peg Catlin, 547 Gaines St., Elmira, N.Y.
 KNP3470 Dick Shaffer, 1839 6th Ave., Beaver Falls, Pa.
 KNP3602 Walter Kakareka, R.D. 3, Moscow, Pa.
 KNP3801 Bob Hedrich, 36 Main St., Randolph, N.Y.
 KNP4353 Chuck Harrison, 140 Whitehill Ave., Jamestown, N.Y.
 KNP5015 Don Newton, Rt. #1 - Box 44, Gerry, N.Y.
 KNP5155 John Thompson, 436 N. Main St., Wilkes-Barre, Pa.
 KNP5301 Stretch Cunningham, East Main Rd., Westfield, N.Y.
 KNP5344 Jack Anchor, 209 Crescent Dr., Lower Burrell, Pa.
 KNP5382 Dick Tanner, 14 Seneca Manor Dr., Seneca Falls, N.Y.
 KNP5523 Dave Doxey, 807 Elizabeth St., Mechanicville, N.Y.
 KNP5816 Denny Spitzer, 9 Crescent St., Jamestown, N.Y.
 KNP6017 Wendy Snyder, Rd. 5, Butler, Pa.
 KNP6317 Tom Roche, 91 Beaumont St., Wilkes-Barre, Pa.
 KNP6405 David Oreluk, 10 Christian St., Nanticoke, Pa.
 KNP6630 Les Bishop, W. Fort Ann, N.Y.
 KNP6852 James Smith, 210 Lincoln Ave., Dunkirk, N.Y.
 KNP6983 Irvin Spencer, 3108 Virginia Ave., West Mifflin, Pa.
 KNP7107 Alan Shortzberger, 1801 1/2 Hamilton St., New Castle, Pa.
 KNP7277 William Hathaway, Lewis, New York 12950
 KNP7450 Terry Hartsell, 217 Fulton St., Jamestown, N.Y.
 KNP7485 Daniel Trotto, 73 Hancock St., Little Falls, N.Y.
 KNP7640 Frank Lavelle, 222 No. Penna. Ave., Wilkes-Barre, Pa.
 KNP7724 Dave Twanley, 304 Rogers Parkway, Rochester, N.Y.
 KNP7793 Pat Ryan, 203 The Portage, Ticonderoga, N.Y.
 KNP8130 Wayne Reed, Fair Oak St., Little Valley, N.Y.
 KNP8135 Pete Baldwin, 117 Howard St., Fredonia, N.Y.
 KNP8500 Lou Harbaugh, 75 Baker St., Jamestown, N.Y.
 KNP8523 Paul Kennedy, Rt. 38 - R.D. 4, Moravia, N.Y.
 KOA0066 Tom Garceau, 16 Moreau St., Manchester, N.H.
 KOA0708 Jerry Miller, 3 Fort Hill Rd., Groton, Conn.
 KOA0725 Phil McGuinness, 27 Foster Dr., Beverly, Mass.
 KOA0957 Dan Okraaka, 68 Parish Farm Rd., Branford, Conn.
 KOA1239 Timmy Hayes, 20 Tracy Drive, Burlington, Vt.
 KOA1305 Don Getz, 7 Ertel Dr., Rockville, Conn.
 KOA2106 R. Bradlee, 271 Carleton Dr., Cheshire, Conn.
 KOD0014 Larry Gorin, 45 Kershner Plach, Fairlawn, N.J.
 KOD0133 Bob Benish, 5303 Ave. 1, Brooklyn, N.Y.
 KOD0439 Vince Ferguson, R.D. 1 - Box 7, Newfoundland, N.J.
 KOD0590 Paul Rose, Cutchogue, N.Y.
 KOD0829 Alvin Koslofsky, 2105 Rockaway Pkwy, Brooklyn, N.Y.
 KOD2689 Cameron Hendrix, R.D. 4 - Box 301-A, Kingston, N.Y.
 KOG0186 Jim Moon, 108 Tenby Rd., Havertown, Pa.
 KOG0341 Dan Fuller, 1301 E. Willow Run Dr., Willow Run, Wil., Del.
 KOI0135 Larry Frame, Route 4 - Box 345K, Martinsburg, W. Va.
 KOI0316 Buck Shortt, 440 Overhill St., Morgantown, W. Va.
 KOI0491 Wayne Adams, Star Route 2, Box 54, Keyser, W. Va.
 KOK0189 Ricky Ricks, Forest Hills Rd., Wilson, N.C.
 KOK0750 Lee Ownby, Box 235, Wytchville, Va.
 KOM0675 Johnny Adams, 113 S. Rudolph St., Saluda, S.C.
 KOM0962 Robert Williams, P.O. Box 178, Crossville, Tenn.
 KOM2155 John Driver, 2607 Lockwood Ave., Chattanooga, Tenn.
 KOR0096 Neil Ward, P.O. Box 225, Newport, Ark.
 KOT0310 Cal Shilling, 742 Saipan Place, San Antonio, Texas
 KOV1413 Senus Henschel, P.O. Box 10753, Oklahoma City, Ok.
 KPA0040 R. W. Asher, 590 1/2 W. Plumb Lane, Reno, Nevada
 KPA0139 Art Nicola, 369 Paul Ave., Salinas, Calif.
 KPA0810 Ray Strickland, 577 S. Veach, Manteca, Calif.
 KPE0337 Max Owen, 4802 W. 34th Ave., Denver, Colo.
 KPH0688 Bob Tatum, 3905 Cessna Dr., Wichita, Kans.
 KPH0806 Jim Rookaird, 743 Wallgate, Waterloo, Iowa
 KPJ2426 Victor Bagley, 6946 College, Kansas City, Mo.
 KPJ3398 Joe Rusty, 248 North Elizabeth, Wichita, Kans.
 KPJ0490 John Edwards, 704 So. Wellington St., South Bend, Ind.
 KPJ0638 John Fiorelli, 2050 Grant St., Downers Grove, Ill.
 KPJ0667 E. A. Davis, 113 W. Wayne, South Whitley, Ind.
 KPJ1155 Terry Shepard, 223-1/2 E. Main St., Morrison, Ill.
 KPJ1626 Jeannette Erickson, 4314 -10th St., East Moline, Ill.
 KPJ4718 John Snyder, 3336 W. 164th St., Markham, Ill.
 KPJ5990 Keith Stuyvenberg, 617 North Superior St., Appleton, Wis.
 KPM0119 M.E. Welch, 870 Brownwood Rd., Mansfield, Ohio
 KPM0258 Bill Barrett, 145 Jackson St., Tiffin, Ohio
 KPM0297 Bob Kiplinger, P.O. Box 61, Charlotte, Mich.
 KPM0398 Larry Disher, 2024 Sandown, Toledo, Ohio
 KPM0695 Jerry Zimmer, 1416 1/2 Rickenbacher, Columbus, Ohio
 KPM1197 Phillip Shingledecker, 635 Walnut St., Lakeside, Ohio
 KPM1457 Paul Kyer, Route 3, Parkersburg, W. Va.
 KPM1717 Pat Gurren, 1555 Banklick St., Covington, Ky.
 KPM1807 David Heighton, 6215 Apple St. NE., Louisville, Ohio
 KPM4092 Brian Bradford, 127 Heter St., Bellevue, Ohio
 KPM4279 Lee Kenstner, 1167 Jefferson St., Muskegon, Mich.
 KPM4508 Joe Slavens, 10227 S. Irish Rd., Goodrich, Mich.
 KPQ0065 Terry Splitz, 66 East Sunbury St., Shamokin, Pa.
 KPQ0788 Charles Robertson, 806 13th St., Altoona, Pa.
 KPQ0907 Roger Stern, 885 Wyoming Ave., Kingston, Pa.
 KPQ1037 Jim Jennings, 470 Hollywood Blvd., Webster, N.Y.
 KPQ1808 Al Gulley, 194 A.W. Terrace, Baden, Pa.
 KPQ1810 Bill McKenna, 708 Linden Place, Elmira, N.Y.
 KPQ1854 Gary Hagen, Pleasant Valley Rd., Hammond, N.Y.
 KPQ2341 Ivan Smith, 419 Water St., Danville, Pa.
 XM11611 Robt. Moore, 8656 Cartier St., Vancouver, Sunny, B.C.
 XM112136 M.C. McDougall, General Delivery, Prince George, B.C.
 XM151085 Darrell Valair, 3300 - 32nd Ave., Vernon, B.C.
 XM21704 Lynn Mantz, 752 7th St. S.E., Medicine Hat, Alberta, Can.
 XM22444 Paul Cross, 9758 145 St., Edmonton, Alb., Canada
 XM22525 Gerry Rynder, 85 Gamble Ave., Toronto, Ont., Canada
 XM22662 Al Benoit, 11061 - 156 St., Edmonton, Alb., Canada
 XM412800 Skippy Massam, 66 Guthrie Ave., Toronto, Ont., Canada
 XM414097 Sidney Clarke, 40 Trethewey, Toronto, Ont.
 XM428220 Dorson Valiquette, 7140 Justine Dr., Malton, Ontario
 XM4451853 James Myers, P.O. Box 218, Val Caron, Ontario
 XM4424217 Bill Kerwin, 287 Nelson St., Sarnia, Ontario
 XM442709 Larry Serratore, 70 Tunis Ave., Sarnia, Ontario
 XM51800 Jim Varey, 9064 Godbout, LaSalle, Quebec, Canada
 XM531778 Arnold MacKeage, Box 616, Lennoxville, P.Q.
 XM552163 Carole Huot, 1663, Cote de l'Eglise, Sillery, Quebec, Can.
 XM552222 J.C. Mainguy, 799, des Chenes Est., Quebec, Canada
 XM56723 Andre Godin, 521, 21 e Ave., Grand'Mere, P.Q., Canada
 XM56790 Jean Daneault, 1185, 5e Ave., Grand'Mere, P.Q.
 XM56814 Andre Daneault, 552, 8e Ave., Grand'Mere, P.Q.
 XM631022 Bill Meakin, 2581 Creighton St., Halifax, N.S. Canada
 XM631107 Y. Heule, Warship H.M.C.S.T. St. Laurent, Fleet Mail Office, Halifax, Nova Scotia, Canada
 Cent. 5000 Frank Zaitz, 5439 Dober Lane, St. Louis, Mo.
 Cent93026 Card Swapping Dale, 125 E. Holden, Lemay, Mo.
 North 99 Everett Decker, P.O. Box 411, Westfield, Mass.
 North5015 Don Schmitt, P.O. Box #14, Gettysburg, Pa.
 North10148 David Burgard, 535 N. Bedford St., Carlisle, Pa.
 JA3-2320 Yutaka Tanaka, 66 1 Bancho Koshien Nishinomya Hyogo, Japan
 PR-1550 Sten Wretstrom, Skanorvagen 28, Johanneshov (Stockholm) Sweden
 OZDR1261 Palle Nielsen, Humlebaekgade 13", Copenhagen N Denmark
 ONL170 Jacquet Camille, UBA P.O. Box 634, Brussels, Belgium
 TN/DX.068/G M.A. Hall, 30 Montagu Crescent, Leeds 8 Yorkshire, England
 WPE1DRU Errol Decker, P.O. Box 411, Westfield, Mass.
 WPE1GEM Edward Madej, 193 Oak St., Indian Orchard, Mass.
 WPE2LJE Robt Golluhur, 871 Falesky St., Rahway, N.J.
 WPE2NJO Sheldon Shuff, 105 57 Flatlands 8th St., Brooklyn, N.Y.
 WPE2OTS Larry Grodjeski, 941 Main St., Paterson, N.J.
 WPE3FNB Donald Traves, 341 Miller St., Bangor, Pa.
 WPE3FQQ Donald Schmitt, Box #14, Gettysburg, Pa.
 WPE3FNS Andrew Cwalina, 1674 W. Chestnut St., Shamokin, Pa.
 WPE4ENC Jimmy Bullock, 1628 Long Ave., Nashville, Tenn.
 WPE6GAE Jim Harris, 897 Beckman Rd., San Lorenzo, Calif.
 WPE9IGM Col. N.K. Littell, R.R. 6, Lake Edgewood, Martinsville, Ind.
 WPE0EPU Roy Blodgett, South Route - Box 20, Kimball, Nebr.
 SWL REF11.100 Jacques Parmantier, 12 Avenue du Colonel Fabien P. 153 93-St. Denis, France
 SWL REF16.097 Marie Parmantier, 12 Avenue du Colonel Fabien P. 153 93-St. Denis, France
 WTCM Card Swapping Bob, 5439 Dober Lane, St. Louis, Mo.
 M33533 David Bubeck, 109 East Main St., Schuylkill Haven, Pa.
 Central Printing, 920 Vandeventer, Fayetteville, Ark.

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S. Nussbaum, 1440 50th St., Brooklyn, N. Y.

59 = more news, more authors, more value!

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COMING EVENT CALENDAR

3rd Annual Picnic and Round-up of the Mahoning County CB Radio Club, July 10th at Holy Trinity Grounds, Route 616, Struthers, Ohio. Contact: Donald Peloquin, 618 West Heights Ave., Youngstown, Ohio.

3rd Annual Jamboree sponsored by the Bell City CB Radio Club, October 1st and 2nd, rain or shine. Lake Compounc, off Route 72, Bristol, Conn. Contact: P.O. Box 753, Bristol, Conn.

The Town and Country CB Radio Club will sponsor their Jamboree at the Fairgrounds in Hemlock, New York, July 2nd, 3rd and 4th. Contact: Patti Nickerson, Redmond Road, Nund, New York.

2nd Annual CB Round-up sponsored by the Echo CB Club, City Park, Elkins, W. Va., August 14th. Contact: Bailey Curtis, Elkins, West Virginia.

Annual CB Picnic, August 7th, sponsored by the Mt. Top CB Radio Club to be held at Herrington Manor, near Oakland, Maryland. Contact: W. D. Webster, Jr., Box 56, Aurora, West Va.

3rd Annual Jamboree of the Lancaster County Radio Club, July 3rd, Rocky Springs Park, Lancaster, Pa.

1966 Round-up, Site: Fort Wayne Coliseum, September 18th, sponsored by the Maumee Valley CB Radio Club. Grand prize, Color TV. Contact: P.O. Box 1031, Fort Wayne, Ind.

July 17th the Green River Valley CB Club will hold their Jamboree at the Central City Fairgrounds. Contact: Glenn Jenkins, 18QA1492, Central City, Ky.

Cowan CB Ass'n Jamboree and Dance. Dance, September 24th, Jamboree, September 25th. Further info contact: O. W. Clawson, Box 38, Cowan, Ind.

The Cape Canaveral CB Club will sponsor their 3rd Annual Florida National CB Jamboree, August 12th, 13th and 14th. For more info contact: P.O. Box 1195, Cocoa Beach, Fla.

The Bergen County Citizen Banders of Fairlawn will hold their annual Jamboree, August 14th at Sun Dance Lodge, Route 46, just off Route 23 circle, Fairfield, New Jersey. More info forthcoming.

The 3rd Annual Tri-State CB Jamboree will be held Sunday, July 17th at Franklin County Coliseum, Russellville, Ala. The event is sponsored by the Franklin County Rescue Squad. Contact: Norris L. Moore, 110 Marlin St., Russellville, Ala.

The Northern Berkshire Emergency Communications Club will hold their Jamboree, July 10th, Wenzels Grove, Spring Road, Adams, Mass. Jamboree control channel. Contact: La Versa, 36 Marietta St., North Adams, Mass.

Western Mass. REACT will hold their annual Jamboree, July 24th at Amvets Hall, 754 Montgomery St., Chlopeco Falls, Mass. Jamboree control channel 9. Contact: Lawrence Stebbins, 220 Arcade St., Chlopeco Falls, Mass.

Twin Rivers CB 3rd Annual All State Jamboree at Addison Jamboree Grounds, August 13th and 14th with the usual western programing. Camping facilities available. Contact: Twin Rivers CB Club, P.O. Box 184, Addison, N. Y.

Coffee Break, sponsored by the Groundhog CB Radio Club, July 30th and 31st at Groundhog CB Park, Punxsutawney, Pa.

The Central New Hampshire 1st Annual CB Jamboree will be held August 28th, State National Guard Armory, Route 202, East Concord, N. H. Monitor channels 9 and 11. Contact: James Hall, 41 McKee Drive, Concord, N. H.

Evansville Citizens Radio League Jamboree, Sunday, August 7th, Rural Youth Center, 7 miles north of Evansville, Ind. Grand prize, color TV. Contact: Carl R. Arvin, R.R. 1, Box 227, Evansville, Ind. 47712.

3rd Annual Picnic and Jamboree sponsored by the Monmouth County Emergency Aid Network, Sunday, July 31st, Priedaine Club on Route 33, 3 miles east of Freehold, N. J. Monitor channel 11.

Central Pa. CB Jamboree, Sunday, July 24th at Willow Mill Park, 2 miles north of Hogestown, Pa., midway between Harrisburg and Carlisle, Pa. on Route 11. Monitor channel 9. Contact: Jim Kutz, P.O. Box 15, Carlisle, Pa.

3rd Annual Jamboree, sponsored by the St. Lawrence Valley CB Ass'n of Northern New York, July 24th, Norfolk Rod and Gun Club Grounds, Norfolk, N. Y. Monitor channel 11. Contact: Merle Putnam, P.O. Box 96, Rensselaer Falls, New York.

All REACT organizations in the State of Illinois are invited to attend the 1st Statewide REACT Picnic sponsored

by the Capital City REACT Team of Springfield, July 16th and 17th at New Salem State Park, Petersburg, Ill. Contact: Pauline Cater, 1735 S. 2nd St., Springfield, Ill.

2nd Annual Rocky Ford CB Club Picnic-Jamboree, July 3rd, North Baltimore, Ohio City Park. Monitor channel 9. Contact: Carl Matthes, R.R. 1, North Baltimore, Ohio.

Stalene Channel Masters CB Club, CB Jamboree, Sunday, September 11th, Geriaks Farm, Intervale Road, Stamford, Conn. Exit 35 from Merritt Parkway. Contact: P.O. Box 587, Port Chester, N. Y.

South-Western General Radio Ass'n Annual G.R.S. and CB Campout, July 2nd and 3rd, Tillsonburg, Ontario, Canada. Estimated attendance this year, 5,000. This one should be a real blast. Contact: Campout Chairman, Gerald Inch, 283 Talbot St., St. Thomas, Ontario, Canada.

2nd Annual Midwest Jamboree, at Blackhawk State Park, Rock Island, Illinois, July 3rd. The event is sponsored jointly by the Jam-Com-Inc and the Iowa-Illinois CB Club. Contact: Jam-Com-Inc, Box G, Silvis, Ill.

The Mon-Valley CB Radio Club will hold their annual picnic, Sunday, July 10th, at the Croation Picnic Grounds in Pricedale, Pa. Contact: Secretary, Mrs. Lorraine Johns, Box 1, Monessen, Pa.

The Troy Area CB Radio Club will hold their 2nd Annual-Donkey Ball Game and SB Field Day, Sunday, August 14th, beginning 12 noon. The event will be held on Williams Road off Route 4, Troy, N. Y. Monitor channel 9.

Knox County 10-4 Club, Inc. will hold their CB Radio Jamboree, July 2nd and 3rd, Chilhowee Park, Knoxville, Tenn. Monitor channel 9 and 11. Contact: Knox County 10-4 Club, Inc., Box 2172, Knoxville, Tenn.

Annual get-together, Sunday, July 10th at Victory Lake in Fremont, Neb. The event will be sponsored by the Greater Omaha CB Radio Club. Contact: Mel Trimmer, 17Q-1212, Malvern, Iowa.

Central Indiana CB Club Jamboree, Sunday, July 17th, UAW, CIO Hall, State Road 109 bypass, Anderson, Ind.

The Red Stick CB Jamboree, July 16th and 17th, sponsored by the Baton Rouge Citizens Communications Ass'n, Inc. For further details see Southern Division column. Contact: P.O. Box 805, Baton Rouge, La.

The Chester CB Club Jamboree will be held at the National Guard Armory, Chester, S. C., Saturday, August 27th and Sunday, August 28th. Contact: James E. Odem, 140 Dupree St., Chester, S. C.

FLY in Jamboree, sponsored by the Old Communicators to be held at Schofield Airport, Sunday, July 31st from 9:00 a.m. to 6:00 p.m. Contact: Old Communicators, P.O. Box 41, Rochelle, Ill.

The CBanders Radio Club, McKeesport, Pa., will hold their jamboree on Sunday, July 31st at Burkes Glen Park, Route 22 east of Monroeville, Pa. Interested parties should contact: President, Ruth Rowland, P.O. Box 247, McKeesport, Pa.

Circus City CB'ers will hold their 3rd Annual Jamboree, Sunday, August 28th at 4-H Fairgrounds, Peru, Ind.

The Wabash County CB Radio Club, Inc., will hold their 1st Radio Jamboree, Sunday, July 31st at the 4-H Fairgrounds, located at the N.E. edge of Wabash on State Road 13, North.

The 1st Annual Meeting, CB Jamboree of the American Civil Emergency Police will be held at the Mission County Park, Tuesday, July 5th. Contact: A.C.E.P., P.O. Box 2624, San Antonio, Texas.

3rd Annual Rocky Mountain CB Jamboree, August 20th and 21st at the Jefferson County Fairgrounds, 15200 West 6th Ave., Denver, Colo. The event is sponsored by the Metropolitan Denver CB Radio Club. Contact: Bud Fuller, 3141 S. Santa Fe Dr., #35, Englewood, Colo.

The Sheriff's Huron County Emergency Net, Inc. is holding its 4th Annual Week-end for CB'ers Jamboree at the Huron County Fairgrounds, Norwalk, Ohio, August 20th and 21st. Contact: S.H.C.E.N., Box 201, Norwalk, Ohio. Monitor channel 9.

5th Annual Hillbilly CB Jamboree, July 9th and 10th at the Fairgrounds, Maryville, Tenn. Contact: 5th Annual Hillbilly CB Jamboree, P.O. Box 1205, Maryville, Tenn.

4th Annual State of Mass. Jamboree, July 24th, Tyngsboro Country Club, Route: 113, Tyngsboro, Mass. Monitor channel

Continued on page 74

ANYONE CAN HEAR 273 STATIONS IN 28 COUNTRIES VIA

RADIOBEACONS: 510 to 1795 kc/s

USING A BROADCAST BAND RECEIVER

Probably no group of radio stations creates more listener interest than the radiobeacons operating below, on, and above the standard broadcasting band. Easily heard on almost any household radio (even little transistor portables) during evening hours, for most listeners they also make up the most "mysterious" group of stations on the air. Almost no information is ever published on the locations and identifications of these transmitters, and those few lists which have come forth have been hopelessly incomplete.

We have therefore researched, with considerable effort, and put together what we believe is a complete roster of all of the beacon stations operating on or near the broadcast band. Where possible, we have included the power and schedules. "Cont." means continuous operation, "Irreg." means irregular operation, and where actual hours are known they are shown in hundreds of hours, Eastern Standard Time (therefore "11-21" on our list would mean 1100 to 2100 EST).

Anyone can copy these stations, as they transmit nothing more than their identifying letters (in most cases these are not callsigns) over and over, very slowly in Morse code. All table radios should tune far enough above and below the broadcast band frequencies to copy many of these. If you have a spare set lying around you can even modify it to extend its range higher or lower in frequency. This is accomplished by altering the padder capacitors in the receiver (higher capacitance should enable you to tune down to about 510 kc/s, lower capacitances will let you tune up to about 1630 kc/s). If you have a communications receiver, you won't have any trouble tuning the stations above the broadcast band, even without modifications. These stations are the best bet for the beginner as they allow him to use existing household receiving equipment to DX overseas stations.

Kc	ID	Location	Watts	Hrs.	560	LI	Goeteborg, Swed.	1000	02-11
510.1	SN	S. Yan, France	50	Cont.	SLI	Goeteborg, Swed.	500	Irreg.	
512	AMZ	Amazonas, Ecu.	400	Cont.	561.5	ING	S. Inglevert, Fr.	40	Cont.
	AV	Avord, France	500	Irreg.		LMG	Limoges, Fr.	50	Cont.
	BE	Bedford, Mass.		Cont.	592	OZH	Ordzhonikidze, USSR		
	CE	Centralia, Ont.	100	Cont.	647	SF	Simferopol, USSR	100K	
	GDL	Guadalajara, Mex.	1000	03-19	656	MR	Murmansk, USSR	150K	
	HM	Hamilton, Ont.			660.5	CRL	Criel, France	500	Irreg.
	MAT	Matamoros, Mex.	50	Cont.	669.5	MVD	Daventry, U.K.		Cont.
	RB	Resolute Bay, NWT			696.5	MD	Mt. de Marsan, Fr.	500	Cont.
514	JT	Stephenville, Nfld.	1000	Cont.	710	TL	Tallinn, USSR	150K	
515	CNT	Chaumont, France	300	Irreg.	723.5	MWZ	Woodley, U.K.		Cont.
	LI	Luxeuil, France	300	Irreg.	764	HEO	Sottens, Switz.	150K	Irreg.
	SLS	Salinas, Ecu.	400	Irreg.	777.5	EM	Etampes, Fr.	80	Irreg.
	SRL	S. Rosalita, Mex.	1000	Cont.	785	LT	Alert, NWT		Irreg.
515.1	ZR	Beziers, France	50	Cont.	1400	MS	Massawa, Ethiopia		Irreg.
516	UP	Ottawa, Ont.	500	Cont.	1500	HQB	S. Pedro Sula, Hond.		Irreg.
517	CP	Clermontferan, Fr.	80	Irreg.		JM	Gimma, Ethiopia		Irreg.
518	OD	Cold Lake, Alta.			1510	JUI	Juanjuri, Peru		
	PB	Persanbearmont, Fr.	80	Irreg.	1530	HQR	Ocotepaque, Hond.		Irreg.
519	NC				1540	HQF	Puerto Cortes, Hond.		Irreg.
519.8	UL	Ussel, Fr.	80	Irreg.	1540	HQK	Juticalpa, Hond.		Irreg.
520	ONB	Haren, Belg.	250	Cont.	1550	HQN	La Esperanza, Hond.		Irreg.
	SLE	Ljungbyhed, Swed.	500	Irreg.	1560	HQG	Tela, Hond.		Irreg.
521	AN	Avignon, Fr.	50	Cont.	1570	HQS	S. Barbara, Hond.		Irreg.
521.5	FG				1580	HQI	Yoro, Hond.		Irreg.
524	CL	Creil Senlis, Fr.	400	Irreg.	1590	HQP	S. Rosa, Hond.		Irreg.
	FZ	St. Hubert, Que.			1600	DM	Debre Markos, Ethiopia		Irreg.
	LJ	Aengelholm, Swed.	100	12-21		HQC	La Ceiba, Hond.		Irreg.
	SLJ	Aengelholm, Swed.	100	Irreg.		MAL	Pto. Maldonado, Peru		Irreg.
	VDB	Lompoc, Calif.			1602	LGM	Leguizamo, Col.		Irreg.
525	AMB	Ambato, Ecu.	400	Irreg.	1607	FJ	Fjaerdgrung, Swed.	100	Cont.
527	GE	Greenwood, N.S.	100			UG	Utgrunden, Swed.	100	Cont.
	OX	Comox, Ont.	500		1607.5	MAR	Gr. San Martin, Arg.	400	Irreg.
528	KB	Kindley, Bermuda	1200	Cont.	1608	EPO	El Paso, Col.	3800	Cont.
530	AS	Alert, NWT		Irreg.		PRN	Tupuruquiara, Braz.		Irreg.
	FY	Frobisher, NWT	500	Cont.		PUD	Eirunepe, Braz.		Irreg.
	NB	North Bay, Ont.	250			PVB	Salvador, Braz.		Irreg.
534	AGN	Agen, Fr.	50	Cont.		VSA	V. Hermosa, Mex.	1200	09-19
	CV	Calvi, Fr.	50	Cont.		YNP	Las Mercedes, Nicar.	500	07-19
	FH	Shearwater, N.S.	25		1609	BT	Vass Karen I., Swed.	100	Cont.
	HXD	Douala, Cameroon	400	00-14	1610	CTG	Cartagena, Col.	1300	09-19
	KAR	Karbo, Sweden	400	Cont.	1611	DS	Djursten, Swed.	100	Cont.
536	LJ	Aengelholm, Swed.	100	02-11	1611.5	CHA	Charana, Bolivia	80	Cont.
	SLJ	Aengelholm, Swed.	100	Irreg.	1613	RAB	Rabinal, Guat.	1200	Cont.
540	SLG	Satenaes, Swed.	500	Irreg.		TEQ	Tequesquitengo, Mex.	1000	09-19
543.5	EM	Etampes, France	800	Irreg.		TL	Traesloev, Swed.	50	Irreg.
	MYA	Lichfield, U.K.		Cont.	1615	BBU	Bobures, Venez.	500	05-23
548	ONC	Charleroi Goss, Bel.	50	01-13		OR	Ohura, N.Z.	1800	Cont.
552.5	CO	Complegne, Fr.	20	Irreg.		PSO	Pasto, Col.	2000	05-20
	MA	Mailly, Fr.	80	Irreg.	1616.5	UR	Burno, Swed.	50	Cont.
557	HEL	M. Cenri, Switz.	50K	Irreg.	1617	KH	Karlshamn, Swed.	100	Cont.

1618	LMM	Los Mochis, Mex.	1200	09-19	1670	CZU	Corozal, Mexico	1300	08-18
	PVT	Santarem, Braz.		Irreg.		LAP	La Paz, Bol.	100	Cont.
	TUL	Tulancingo, Mex.	1000	09-19		TDAC	Guatemala, Guat.	50	Irreg.
1619	KL	Kloevingarna, Swed.	100	In Fog		TIKY	Limon, C.R.	1200	Irreg.
1620	CEP	Concepcion, Bol.	250	Cont.		TIPM	Palmar Sur, C.R.	50	Cont.
	CVH	Calabozo, Venez.	50	05-18	1674	TEP	Tepec, Mexico	1200	Cont.
	EBG	El Bagre, Col.	1300	05-20	1675	MTU	Mitu, Colombia	1600	08-22
	IZT	Ixtepec, Mex.	1000	09-19		TOR	Tournavista, Peru	1000	
	LAV	Tumeremo, Venez.	50			ULQ	Tulua, Colombia	2400	08-22
	NLD	N. Laredo, Mex.	1200	Cont.	1678	CAR	Carrasco, Urug.	1200	Cont.
	TEH	Tehuantepec, Mex.	1200	Cont.		IQQ	Iquique, Chile	350	Cont.
	URM	Uriman, Venez.	50	05-18		MOJ	Mojoneras, Mexico	1000	09-19
1624	OM	Ibri, Pers. Gulf	60	Irreg.		PRI	Campo Grande, Braz.		Irreg.
1625	CDT	Condoto, Col.		Irreg.		PRS	Mossoiro, Braz.		Irreg.
	CZM	Cozumel, Mex.	1200	09-19		PVV	Vitoria, Braz.		Irreg.
	KU	Krogstadsudde, Swed.	70	Irreg.	1680	EJA	Barrancabermeja, Colombia		05-24
	MZT	Mazatina, Mex.	1200	09-19	1682	DGO	Durango, Mexico	1000	09-19
	TIKX	Ciruelas, C.R.	50	Cont.		NAU	Nautico, Mexico	1000	09-19
1628	MTT	Minatitlan, Mex.	1200	09-19		TGT	Tuxtla, Mexico	1000	09-19
1629	CMI	Gral. Peraza, Cuba	1200	Cont.	1685	DRC	Dos Rios, Colombia	1300	11-21
1630	MTR	Monteira, Col.	1300	09-19	1688	CTM	Chetumal, Mex.	600	Cont.
	SK	Skallen, Swed.	100	03-04		PPE	Pt. Penasco, Mex.	1200	Cont.
	TJA	Tarija, Bolivia	1000	Cont.		PRG	Tres Lagoas, Braz.		Irreg.
1632.5	ENO	Jose C. Paz, Arg.	50	Irreg.		PUI	Teft, Braz.		Irreg.
1633	ENS	Ensenada, Mex.	500	17-21		PVR	Pto. Vallarta, Mex.	400	08-19
1635	PPN	Popayan, Col.	800	09-19		PVU	Parnaiba, Braz.		Irreg.
	TGE	Guatemala, Guat.	50	Cont.		STZ	S. Cruz, Bol.	1200	Cont.
	TJA	Tarija, Bolivia	500	Cont.	1690	MDE	Medellin, Colombia	3800	Cont.
1638	CME	Cd. Carmen, Mex.	1000	09-19		TDX	Guatemala, Guat.	50	Cont.
	IAC	La Quiaca, Arg.	250		1693	GYM	Guaymas, Mex.	330	Cont.
	LVT2	Oran, Arg.	500	Cont.	1695	TBU	Tibu, Colombia	640	11-21
	PRN	Tapurucuara, Braz.			1698	ACA	Acapulco, Mex.	1000	09-19
	SRE	Sucre, Bolivia	300	Cont.		NVJ	Navjoa, Mex.	350	Cont.
	THY	Chachapoyas, Peru		Irreg.		PVG	Cucui, Braz.	1200	Cont.
	ZCO	Cuzco, Peru	450			REX	Cd. Reynosa, Mex.	50	09-19
	ZYL	Labrea, Braz.				SDM	Santo Domingo, Mex.		
1640	APL	Apolo, Bolivia	350	Cont.		GTZ	Tuxtla, Mex.	1000	09-19
	JSE	San Jose, Bolivia	350	Cont.	1699.5	STZ	S. Cruz, Bol.	1000	Cont.
	MZQ	Mizque, Bolivia	350	Cont.	1700	GU	Gore, Ethiopia		Irreg.
	SOG	Sogamoso, Col.	3200	09-19		IBR	Iberia, Peru		Irreg.
	UYN	Uyuni, Bolivia	1000	Cont.		PNL	El Pinal, Venez.	250	05-09
1643	UPN	Uruapan, Mex.	330	Cont.		QIN	Quince Mil, Peru		Irreg.
1643.5	MAR	Gr. S. Martin, Arg.	400	Cont.		URC	Urcos, Peru		Irreg.
1648	OAX	Oaxaca, Mex.	1000	21-10	1703	ZAC	Zacatecas, Mex.	50	19-09
	PRE	Aracaju, Braz.		Irreg.	1704	HRD	Toncontin, Hond.		Irreg.
	PRF	Bauru, Braz.		Irreg.		TGU	Tegucigalpa, Hond.	150	
	PRU	Cuiaba, Braz.		Irreg.	1705	AFI	Amalfi, Colombia	1300	09-19
	PVC	Fortaleza, Braz.		Irreg.		ORU	Oruro, Bol.	1000	Cont.
	PVK	Altamira, Braz.		Irreg.	1708	LAP	La Paz, Bol.	1000	Cont.
	TIJ	Tijuana, Mex.	700	Cont.		MXL	Mexicali, Mex.	1000	09-19
1648.5	ASC	Ascension, Bolivia	1000	Cont.		PRT	Canavieiras, Braz.		Irreg.
	CBB	Cochabamba, Bol.	1000	Cont.		PUB	Carauari, Braz.		
	OBO	Robore, Bolivia	1200	Cont.		PUK	Corumba, Braz.		Irreg.
	STZ	S. Cruz, Bolivia	1200	Cont.		PVK	Altamua, Braz.		
1650	MOY	Moyobamba, Peru		Irreg.		PVN	Porto Velho, Braz.		Irreg.
	QIB	Quibdo, Colombia	1600	11-23		PVR	Recife, Brazil		Irreg.
1652	OG	Yibal, Pers. Gulf	60	Cont.		TAM	Tampico, Mex.	1000	09-19
1652.5	LPZ	Tennholmen, Nor.	600	07-19		TAP	Tapachula, Mex.	1000	09-19
1654	LPZ	La Paz, Bolivia	100	Cont.	1710	BUN	Buenaventura, Colombia	2000	11-21
	CBB	Cochabamba, Bol.	100	Cont.		LET	Leticia, Colombia	2000	11-21
	RYS	Reyes, Bolivia	100	Cont.		SNM	S. Ignacio, Bol.	1000	Cont.
	STZ	S. Cruz, Bolivia	100	Cont.	1715	GYM	Guaymas, Mex.	50	09-19
	SVD	Saaverda, Bol.	100	Cont.	1718.5	MZL	Manzanillo, Mex.	330	Cont.
1655	CUC	Cucuta, Col.	2000	11-23	1720	TQN	Tres Esquinas, Colombia	1600	Irreg.
1658	CPE	Campeche, Mex.	200	09-19		VER	Vera Cruz, Mex.	330	Cont.
	LAP	La Paz, Mex.	1500	09-19	1725	SRL	S. Rosalita, Mex.	1200	Irreg.
	PRH	Macelo, Braz.		Cont.	1730	DHK	Denhams Hum., Aus.	10	01-17
	PRJ	Benj. Constant, Braz.	350	Cont.		GRN	Gravo Norte, Colombia		Irreg.
	PVM	Manaus, Braz.		Irreg.		MLM	Morelia, Mex.	500	Irreg.
1660	CLO	Call, Colombia		05-18		NWW	Babbage 1., Aus.	10	01-17
1662	PZA	Puerto Cabezas, Nic.			1735	TDAC	Guatemala, Guat.	50	Irreg.
1663	CMF	Manzanillo, Cuba	1200	Cont.		TUX	Tuxpan, Mex.	1000	09-19
	CUL	Culiacan, Mex.	330	Cont.	1736.5	BZ	Brazzaville, Congo	50	Cont.
1665	CIO	Ciucuo, Colombia	640	05-18	1738.5	LAP	La Paz, Bolivia	1000	Cont.
	PSZ	Pt. Suarez, Bol.	1200	Cont.	1740	AGS	Aguas Calientes, Mex.	400	Cont.
	ZZD4	Jatal, Braz.		Irreg.		PO	Popton, Guat.	50	
	ZZG2	Pedra Azul, Braz.		Irreg.	1745	CGW	Cartago, Colombia	3800	11-21
	ZZG6	Rio Verde, Braz.		Irreg.		IMA	Colima, Mex.	50	09-19
	ZZG7	V. de Conquista, Braz.		Irreg.	1747.5	LAP	La Paz, Bolivia	1000	Cont.
	ZZG8	Guiratinga, Braz.		Irreg.		QHA	Quechisla, Bolivia	1000	Cont.
	ZZH3	Gov. Valadares, Braz.		Irreg.	1750	DD	Dembidollo, Ethiopia		Irreg.
	ZZZ9	Alfenas, Braz.		Irreg.		PLT	Plato, Colombia	320	11-21
1668	GDL	Guadalajara, Mexico	1200	08-19		XACJ	Minatitlan, Mex.	400	09-19
	HMO	Hermosillo, Mexico	1200	Cont.	1755	XACS	Oaxaca, Mex.	350	22-12
	MID	Merida, Mexico	1200	08-18	1795	XANG	Cd. Victoria, Mex.	400	Cont.



WASHINGTON OUTLOOK

• These operators were asked to show cause why the FCC should not revoke their licenses for the reasons indicated:

KMI2579, Coleman R. Moore, Baltimore, Md., for working skip and not replying to FCC communications.

KKT2213, Earl E. Reeves, Bay City, Texas, for failing to reply to official communications.

KOP0476 (ex-KMP0950), Joseph N. Lanno, Miami, Fla., for various violations including off-frequency, using station as hobby, etc.

KCG3308, John Albert McGowan, Baltimore, Md., for failing to reply to FCC correspondence.

KMM7694, Donald M. Cooper, Edgemoor, S. C., for not replying to FCC communications.

KMI3224, Raymond W. Gill, Dunn Loring, Va., for various violations including using station as a hobby, not identifying at times and in manner prescribed, working or trying to work skip, etc.

KKV6080, Lawrence E. Brockman, Abilene, Tex., for failing to respond to official communications.

KLE1234, David R. Townsend, Brighton, Colo., for failing to reply to official communications.

KLE1619, David R. Townsend, d/b/a Dave's Repair Shop, Edgewater, Colo., for failing to respond to FCC communications.

KBI8988, Sam Rosenberg, d/b/a Sam Rosenberg Auto Sales, and Fabulous Sam Rosenberg, Ridgefield and Fairview, N. J., for using station as a hobby, transmitting communications relating to technical performance of the CB gear, not identifying station by call sign assigned at beginning and end of each exchange of communications, operating with an antenna not complying with FCC rules, etc. (Also WN2RKY and KEV688.)

KKT2704, Ray L. Manion, Beaumont, Tex., for failing to reply to official communications.

KNP1725, Ronald J. Shamp, Rochester, N. Y., for failing to reply to FCC communications.

KKI2785, John W. Collins, Jr., Glen Burnie, Md., for violations including using station as a

hobby, working skip, overtime talking, not properly identifying.

KKI3886, Roy A. Filbert, Baltimore, Md., for numerous violations including using unauthorized channel for working station of another licensee, improper identification, etc.

• Next we come to those stations which lost their licenses in revocation actions:

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

KEE1886, Clint Leone, Nederland, Texas, for failing to comply with antenna height limitation and running more transmitter power than permitted.

KCF1516, William Ray Wilson, Glen Burnie, Md., for failing to identify station by assigned call sign at beginning and end of each exchange of communications, excessive antenna height, etc.

KMT0252, C. J. Freeborn, Houston, Texas, for failing to respond to official communications.

KEE3496, Shirley Jean Roach, Pasadena, Texas, for excessive antenna height, exchanging communications relating to technical performance of equipment, and for permitting station to be operated by Martin Doss (ex-9W1371) whose CB license had been revoked.

• The following station received a \$100 fine: KMM0291, Rosalie V. Taylor, East Point, Ga., for failing to identify station at times and in manner prescribed.

• These operators were originally given \$200 fines, but had them reduced to \$50:

KKX5654, Helen T. Alfield, Altadena, Calif.

KDD7257, Richard S. Mercer, Jr., Decatur, Ga.

• This station originally had a \$200 fine but managed to have it reduced to \$25:

14Q0795, William D. Stocker, Spokane, Wash.

• This station had a \$100 fine reduced to \$50:

KFJ0655, Guy W. Phillips, Spokane, Wash.

Continued on page 77



BEST BETS FOR LISTENERS ON THE DX BANDS by RICK SLATTERY

Here's a flash from Mike Forsyth, WB6SAJ/KNA1504, of El Cerrito, Calif. Mike tells of station K1YPE/XV5 in Vietnam now being heard on the 80 meter Ham band. Look for this station near the center of the band.

Steve Jones, KLO0519, Lawrenceburg, Ky., has a pack of winners. First off he received a QSL from *Radio Wewak*, VL9CD, in New Guinea on 335 kc/s. Heard at 0700 EST. Also heard: *HIAD, Radio Hit Musical*, Santo Domingo, 2315 EST, on 3345 kc/s; *XEWW, Voz de America Latina*, Mexico City, Mexico, on 9515 kc/s at 0835 EST. His utility loggings include Army Engineer stations WUE62, WUE6, WUE5 and WUE68 (see listing of these stations in the May issue of S9). Steve heard these on 2350 kc/s. An Army "mystery" net logged on 4375 kc/s using calls such as 3ADJ and LB8Q at 1900 EST.

William Fred Lilly, Jr., Clintwood, Va., is a first time reporter here. Using his old veteran Hallicrafters S-2OR receiver, he pulled in *Radio Budapest*, 6234 kc/s at 1930 EST; *Voice of Spain*, 6130 kc/s at 2030 EST; *Radio Moscow* on 15140 kc/s at 1305 EST; and *Radio Peking*, 11945 kc/s at 2130 EST. Let's hear from you again Bill.



Rick Rumbaugh, Tucumcari, N. M., send us a nice shack photo—too bad we can't show you the colors in the photo. Rig is a Lafayette HA-225 and Heath DX60A transmitter. Has 36 countries verified out of 49 heard.

Claude Kumjian, Orient Point, N. Y. (KMD-2215) always has a nice report. This time his utilities loggings include: *Algerian PTT Administration*, 9000 kc/s around 1600 EST in French; *Hellenic Telecommunications Organization*, Athens, Greece, 7335 kc/s at night in English and Greek (QSL promptly by letter); *Liberian External Telecommunications*, Monrovia, on 19900 kc/s in mornings (verify with nice letter); *All Americas Cable & Radio*, Lima, Peru, every AM in English on 18900 kc/s (will verify); and *Yugoslav PTT*, Belgrade, each AM in English on 18820 kc/s (letter QSL).

Terry Henry, Keene, N. H. pulled in some nice aero stations (Mexico, Nassau, San Juan, etc.) on 5611, 5619, 5641.5, and 5690 kc/s. Terry also suggests the following broadcasters: *Radio Norway*, 6185/9610 kc/s at 2200 EST; *Radio Ghana*, 6110 kc/s at 2230 EST; *Windward Islands BC*, 11895 kc/s at 1459 EST; *Radio Canada*, 5970 kc/s at 0715 EST and 11720 kc/s at 0816 EST.

Next month our regular S9 stations listings will be a complete listing of all of the police stations left on the 2 mc/s band—they are vanishing fast so DX them while they still live! There are still enough of them to make things interesting however. Watch for it in the August issue of S9!

Continued on page 80



Shack photo from Paul Gutenplan, KKD-8459, of East Meadow, N. Y. The gear is a Heathkit, Hallicrafters S-95 and S-38E, and a USL 1050A rig. He reports a QSL from *Radio Prague*, 9793 kc/s at 1815 EST.

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TWR-11 is entirely solid-state—ideal for mobile with direct 12V DC operation, exceptionally low current drain and conveniently small size. But place it on the accessory pedestal 115V AC power supply—connect—and you have an outstanding base station. Distinctive too with woodgrain paneling accented by polished chrome and complemented by black channel-change push-buttons.

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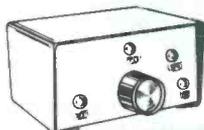
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CENTRAL

A.M.E.N. (A Motorist's Emergency Network) Club. "Amen" is also the answer to a stranded motorist's prayer. The group was organized from CB'ers in the Chillicothe, Ohio area with the main purpose being to participate in the "Help" program. The club has installed a Johnson Messenger II at the local Ohio State Highway Patrol Post and monitors channel 9 24 hours a day. Incidentally, the highway patrol in Ohio is a progressive thinking outfit with 15 such base stations located throughout the state. It is reasonable to assume that eventually there will be a CB unit at every post in the state, making an almost statewide emergency network. Since organization of the club and installation of the unit there have been numerous calls of highway accidents, drunk drivers, stranded motorists, etc. The club members provide many "extra" sets of eyes to notify the highway patrol of road emergencies. The call letters of the Ohio State Highway Patrol are KNN3083 and all motorists having trouble or needing assistance are urged to call. Routine "jabbering" is discouraged, however, as the officers just don't have time for it.

The Signal 8-11 Meter Radio Association, Inc. has covered many activities in the last few months. A highlight of the February meeting was the awarding of trophies to the Best Male and Female CB'er of 1965. These awards went to Hal Wehrle, KLJ3658 and Margee Vossler, KNK4252. Any and all CB'ers that are in the area are welcome anytime.

Your old raven editor here from the Central section of Ohio was abruptly awakened early in the morning on Sunday, February 13th, 1966, by another CB'er who wanted me to come for breakfast at 7:00 a.m. in the morning at the Perkins Pancake House which is located in Cleveland, Ohio, at the corner of Kaama's Corner and Lorain Road on routes 237 and 10. The address of the Perkins Pancake House is 3730 Rocky River Drive. I was up around 6:00 a.m. and left the old QTH for Perkins around 7:00 a.m. This particular Sunday that I attended the weather changed somewhat and it was pouring down rain, however, the weather didn't stop the CB'ers because we had 39 of them show up at the pancake house.

As you can see from the photograph you wouldn't want to meet a nicer bunch of guys who you talk to over the air. All of them came from around the Cleveland area—both east and west sides. This breakfast is not run by a CB club and/or organization. This is strictly a social gathering of all CB'ers for breakfast and chit-chat too. We have also had several prize drawings at the breakfast. One Sunday a 254 mike was one of the door prizes and in the near future we hope to have a Pro-27 Antenna given away as a door prize.

As far as the food goes at the Perkins Pancake House, it is mighty delicious and good! The service is wonderful too and the waitresses at Perkins are a swell bunch of gals too.

Everyone is invited to the Parkins Pancake House (address mentioned above) each and every Sunday for a swell get-together and talk about old times too. Believe me, it was well worth getting up for early in the morning to meet the old time CB'ers as well as the new CB'ers on the band.

All of us CB'ers are trying to gather enough money or should I have said "green stamps" to purchase an all 23 Channel CB set for two blind brothers who would like to have the set very much. Our good friends at Antenna-Specialists Company in Cleveland, Ohio, said that they would be more than willing to donate their best antenna made, if we can get the boys a set.

Hope to see more of you CB'ers from near and far at the Perkins Pancake House, located at 3730 Rocky-River Drive in Cleveland, Ohio on Routes 237 and 10.



This is one way of getting your QSL's in a hurry too, by the way.

News of the group comes from: Jon G. Batley, KHI-1466, S9, A.P.R.E. for Ohio.

The "Tri-County CB Club of Ohio" of Dayton, Ohio, sponsored a "Pizza Break" on Sunday, Feb. 27, 1966 at the Village Inn in Dayton, Ohio. Approximately 500 people attended the "Break." The "La Stragas," a rock and roll band from Dayton furnished the entertainment during the "Break." Twenty pizzas and other prizes were given away.

Tri-County also sponsors a road patrol on holiday weekends. They do work in connection with the Ohio State Highway Patrol and the Montgomery County Sheriff. They patrol Interstate 70 & 75 and all Montgomery County roads. The club members are members of H.E.L.P.

Officers of the clubs include: Don Steinke, Pres.; Tom Pearson, Vice Pres.; Mary Lou Pressel, Secretary; Bar Steinke, Treas.; Dick Sassaman, Sgt.-of-Arms; and Dick Price, Coordinator. The club was originated in 1961, and incorporated in 1963. They produce a real nice bulletin called the "Transmitter" each month. Meetings are held on the last Sunday of each month at 6:30 p.m. at 2383 North Union in Dayton.

Sunday morning, March 6, 1965, a special sort of day at the Springfield Township Maintenance Bldg. in Lucas County, Ohio. After weeks of beautiful weather, man started on Saturday to lay a heavy blanket of snow over the entire area. The air in this section of southwestern Lucas County was torn by the staccato roar of nearly 100 motorcycles, specially equipped for the toughest sort of cross-country runs.

James Ault, Lucas County Civil Defense Director had made arrangements with necessary federal and local agencies including the F.C.C. to sponsor a joint exercise with Citizens Band Emergency Radio Service (our local CD dispatch riders from as far east as Pittsburgh, Pa., to Kendallville, Ind., on the west). This run was a predicted log race, simulating disaster conditions.

The plotted course covered over 50 miles of very rough, rugged and in some phases, dangerous trail which included marsh, stone quarries, fording or jumping streams as well as threading men and machines through dense forest and brush areas. In fact, of the 81 tough, seasoned veterans who started, only 53 survived severely, and many cycles were badly damaged. Several riders were injured. In this effort to prove that Men, Motorcycles and CB Radio can be a vitally important team in case of disaster.

Official starting time was 1200 hrs. while the last cycle to return to base under its own power, with

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mounted rider, was clocked in at 1630 hrs. A total of 23 CB radio units were stationed at various points, 4 time check, 5 safety check with some rigs mobile all along the route to insure that no cycle rider would be lost or left helpless in the forest area.

KNN3298, Lucas County Civil Defense Communications Unit wishes to extend a hearty "Thank You" to all who assisted in this exercise, and an especial "Well Done" to the Sheriff's Department, the State Highway Patrol, and Sylvania Township's #2 Rescue Squad.

Another run next year, regardless of weather, bearing in mind that disaster plays no favorites, observes no rules.

Uncoordinated communications that made difficult the rescue and clean-up efforts in Elkhart, Indiana, after a tornado severely ravaged the community last spring should never occur again.

An Emergency Control Center is being built in the basement of the Elkhart police station which contains facilities for CB operators, Ham operators, local radio stations and other electronic communication facilities.

The project was originated by Captain Richard Bergstrom, operations officer for the Elkhart police department and Art Singleton, who is chairman of the Citizens Band Operators Committee. They explain that the Emergency Control Center does not supplant existing emergency service units, but will act as a coordinating agency, getting information to all units so relief and rescue efforts can be carried out more efficiently.

In the CB section a Demco Satellite base station with 23 CB frequencies has been installed. The Satellite radio transceiver is manufactured in Bristol, Indiana, a community also touched by the Palm Sunday tornado in Elkhart County last year.

Singleton, who has a complete Satellite base station in his home, says, "We chose the Demco Satellite because of its demonstrated dependability and efficiency, factors most important in emergency operations of this sort. During last year's emergency a Demco radio was operated day and night continuously at full power. And, though 'smoking hot,' kept right on operating."

A 30' scanner antenna will be used atop the roof of the police station, to further radiating and receiving distances.

Selected men from local CB organizations have been trained by the U.S. Weather Bureau to spot and identify tornadoes, passing along visual reports to specified CB reporting stations throughout the area.

The Elkhart center will also receive reports from a group known as the Horizontal Organization, covering the four states of Indiana, Michigan, Illinois and Ohio. Within these states are five tornado "alleys" about 10 miles apart. The Hrozintal Organization serves as weather watchers, operating their antennas back to back to relay information along these tornado pathways.

The Elkhart center will transmit weather observations to the U.S. Weather Bureau in South Bend, Indiana, police and sheriff's departments in Elkhart County, the local Civil Defense organization, public utilities,

taxi companies, Elkhart Street, Water & Park Department vehicles, local radio stations, and, it is hoped, eventually to Elkhart County hospitals and industrial firms which operate construction equipment that might be used in an emergency.

Radio Emergency Team Credited With Rescuing 3—Three Tiffin area residents credit two representatives from CREST (Citizen Radio Emergency Service Team) for possibly saving their lives near Kearney, Neb., Tuesday evening.

The trio, Donald Mompher of Findlay, William Mompher of Tiffin and Mrs. Robert Bethel of Route 3, Tiffin, were traveling east on Inter-State 80 when they ran into a blizzard with winds averaging 70 mph and temperatures in the mid-20s.

William Mompher, owner of the car, immediately contacted CREST on his citizens' band radio set. The Kearney CREST unit told them to keep them advised on their situation.

Moments later, the auto skidded off the left side of the road into the ditch separating the lanes of traffic. Mompher advised CREST of this development and the Kearney operators told them to stay in their car and that they would try to get help to them.

State highway patrol advised CREST to stay off the highways, but the CREST members, Ron Hixon, KGH-2916 and Jerry Wilson, KGH5870, both of Kearney, decided to try to reach the stranded motorists.

It took Wilson and Hixon one and one-half hours to drive the nine miles from Kearney in their pickup truck. They helped the Tiffin motorists into their truck and then returned to Kearney. They spent the night at Hixon's home and retrieved their car the next day.

William and Donald Mompher and Mrs. Bethel were en route home from Denver when the incident occurred. They were in Denver to attend funeral services for Harold Mompher, Mrs. Bethel and Donald Mompher's father and William Mompher's brother.

Officers of the Cereal City Citizens Club are: President, George Gemrose, KHG5141; Vice President, Marion McRae, KLN7999; Treasurer, Earl Wenger, KHH-2371; Secretary, Dora Evans, KHI-548. Club activities include, Civil Defense, Red Cross, and various other civic organizations.

1966 Officers of the Circus City CB'ers are: President, Rex Stitsworth, KHD5908; Vice President, Jack Uley, KHC2306; Secretary-Treasurer, Charles Clover, KHA-9340; Communications Officer, Gene Sutton, KHD-1998. The club holds their meetings the 1st and 3rd Monday of each month at the 4-H Fairgrounds Building.

The Muscatatuck CB Radio Club recently sponsored a Coffee Call which was very successful. Officers of the newly reporting group are: Shobe Shireman, KHB-2799; Secretary-Treasurer, Herman Kane, KHD3001.

Officers of the Hawkeye CB Assistance Club are: President, James Waters, KNH9328; Vice President, Joe Wehr, KLI1246; Secretary, Sharon McIntosh, KPH-0693; Treasurer, Raleigh Woltmann, KGI2829. Meetings are held the 2nd Monday of each month in Harlan, Iowa. The club endorses the HELP program and offers its services to CD, high patrol, sheriffs and all in need of emergency communications. Membership at this writing is 53.

The "Central Iowa CB Club, Inc.," also known as C.I.C.B., monitors channel 9 in the Des Moines and central Iowa area, still trying to obtain an all night (midnight till 6 a.m.) monitor so they can associate themselves with REACT. The C.I.C.B.'ers also have an exceptional newspaper called "The Breaker" put out by Arlene and Jack Doggett. Any club who would like to "swap" papers may do so by sending their club newspaper to "The Breaker," Arlene Doggett, Editor, at 8060 Dema Drive, Des Moines, Iowa 50315. Individuals may subscribe by sending \$2.00 to the same address. The paper is quite large and comes out each month. All CB news welcome. Subscribe and see how interesting "The Breaker" is. Best in the midwest we've been told. So far, five clubs send news in. They include: Marshalltown Corn Belt CB Club, Inc.; Newton Blue-Jay CB Club; Maxwell CB Emergency Club.

The Brent Spence CB Club of Kentucky, Inc., held its first annual dinner-dance on Saturday, April 30, 1966, at St. John's Hall, 627 Pike St., Covington, Ky., from 6:00 p.m. to 1:00 a.m. The festivities included a cocktail hour, refreshments and set-ups, capon dinners, music by a 10-piece band, door prizes and drawings, and a unique and entertaining floor show performed by Colonel Charile Riley. Pantomimist Extraordinaire, to a capacity crowd of approximately 200 people. All of these factors made an evening which was a smashing success.

Members from five other citizens band clubs were

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present at this fete and everyone thoroughly enjoyed themselves. It was definitely the "event of the year" and local CB'ers are already anxiously awaiting the next dance.

Officers and dance committee of this organization are to be congratulated for their hard work toward making this affair such a hit. The club hopes this is the first of many such dances.

The road patrol for this club, which operates on all major holidays, recently selected the name **The Brent Spence CB Club of Kentucky, Inc., Emergency Team.** A club emblem has been made up which will be used on jackets worn by club members and also on members' QSL cards.

Another project under way with the **Brent Spence CB Club** members is their work with the **Kenton County Protestant Children's Home**, beneficiary of the club. They are in the process of setting up an auto shop, wood-working shop, snack bar, sewing room for the girls, etc. Club members have donated their time and equipment to aid in these undertakings.

Another recent event in which the club was involved was participation in **Campbell County Road Rally A-Go-Go**, a driver safety program for high school students sponsored by **Our Lady of Providence School**, Newport, Ky. The club served in the capacity of communications for this road rally and worked in cooperation with the local police officials.

Hats off to this group and good luck to the activities in which they are engaged!

ATLANTIC

Soon to have a new slate of officials is the **Virginia Beach CB Club**, due to the transfer of many of its members serving in the **Armed Forces**. These men have really been good club members and will be missed very much. The club has scheduled its get-togethers for the last Friday of each month, at **Tom's Donut Shop**, Atlantic and 18th St. at the beach. A base station is expected to be installed so that it will serve as a place for visiting CB'ers to meet and exchange cards.

At the Feb. 11th meeting of **TERRAC**, members voted to purchase emblems to be used on jackets. These are to be in five colors and a real eye-catcher. The club is interested in going around to other clubs and meeting other CB'ers in the area. We are looking forward to a caravan that will be invading other clubs at their meetings. Should be fun. Sat., Feb. 26th, members of **TERRAC** will start cleaning street signs as a gesture of civic pride. The signs were mostly left barely readable as a result of the inclement weather this past month.

John York, KMK4303, the restaurant manager of the **Strawberry Banks Motel** in Hampton, Virginia, is sponsoring a **Brunswick stew** get-together for area CB'ers to be held at the motel on May 1st. John is challenging for the CB'ers in Tidewater and has split it into two areas. The area that has the least amount of people attending will have to foot the bill. To date he has signed 250 CB'ers from the Hampton side. I sure hope the Norfolk side can do as well.

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

The much needed, and finally formed **CROATAN Citizens Radio Club of Havelock, N. C.** came to reality at 7:30 p.m. on Feb. 11, 1966 with the installment of the elected officers. Those elected were: **Jerry Miller, KXX9488, President; Bill Stone, KC11667, Vice President; Doris Miller, KMM6535, Secretary; Jim Carter, KBD2297, Treasurer; Ron Kreckman, KDI0907, Radio Control Officer; and D. W. (Ray) Reynolds, KEB1105, Public Relations.**

A charter membership of 19 members was established at the meeting with the clubs first goal set at recruiting the remaining 40 active CB'ers in the area.

One of the unique features of the **Croatan Citizens Radio Club** is that 75% of the members are members of the **Armed Forces** stationed at **MCAS Cherry Point** who are willing not only to serve their country but also to serve the community in which they are stationed.

Regular meetings will be held every other Wednesday at 7:00 p.m. at the **Veterans of Foreign Wars Hall, Havelock, N. C.** The club welcomes visitors passing through the **Havelock/Cherry Point** area to join us in coffee.

The **Kanawha Valley Communications Club of W. Va.** has for its new officers this year: **President, James Taylor; Vice President, Joe Kirby; Treasurer, Robert Club** has monitoring stations for **REACT** set up on **Lewis;** and **Secretary, Janet Peterson.** The **K.V.C.**

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channel 9. Anyone traveling through the Charleston and surrounding areas, who might need assistance, call on channel 9 for the Kanawha Valley Communications REACT, and there'll be someone there to be of assistance.

The club meetings are held the 1st and 3rd Friday night of each month, at the club house on Roxalana Road in Dunbar. All CB'ers are invited to attend.

WESTERN

1966 officers of the Midway CB Radio Club are: President James Burns, KEH4477; other officers include, J. Leo Shelton, KEH6923; Noble Faubion, KEH3433.

The Emergency Communications Organization, at their meeting Feb. 14th, had the pleasure of seeing a picture shown by the Arkansas Hiway Safety Patrol—Sergeant Rowell, Patrolmen, Marvin Sinyard, John Jarvis, Wallace Martin, and Sheriff Richard Bircher, Miller County, and Deputy Charles Black.

The Sheriff's Posse was represented by several of their members plus the club turnout of 45 members.

The picture (Mechanized Death—by the Ohio Hiway Safety Program, was the main feature, and was a good lesson for any club to see, after the show Sergeant Rowell gave a 25 minute lecture, and a good talk relative to the activity of the Arkansas Hiway Patrol, and how few they had, to do so much.

The ECO had several out of town guests, from Atlanta, Texas, Quen City one unit from Marshall, Texas, and some out of town units from Arkansas towns.

The club is helping to organize a chapter of Civil Defense for Miller County, as the club has moved to the Arkansas side of Texarkana. A CB Radio was installed in the sheriff's office, KMR1724 is their call, channel 11 and 14.

The Cowan CB Ass'n believes that they have come up with a method of organization to accelerate courtesy in honoring call channel voluntarily and helping operators become familiar with the limits of CB operation by leading and setting an example in proper operating technique. In most organizations, success is gained by having aims and resolutions to work for, such as, Cowan CB Ass'n Aims and Resolutions, none of which are on compulsory basis, leaving each operator to become a leader. Most clubs try to work and conduct their meet-

ings by Roberts Rules of Order, but Cowan CB Ass'n, being members of different clubs have found Roberts Rules of Order are somewhat confusing to the average CB operator, so Cowan have found keeping an orderly meeting and discussing plans in the American Family Method, has proven a great advantage and no Board of Directors make the plans and then complain to a few attending members and vote this or that causing resentment from balance of members.

The month of February saw West Valley REACT engaged in the saying "practice makes perfect," by again holding our monthly exercise patterned after our January exercise. Only by this constant practice, each of us knowing precisely what, where and how to REACT to emergencies can we expect to be of any help in controlling a situation. Our operation this month again sent mobile units to hospitals, police stations, fire stations and key intersections for a complete communications network. Phase two of the alert was that of rushing a similtude bottle of blood plasma from one end of the San Fernando Valley to the other. A mobile unit stationed at a hospital received instructions from our control that blood plasma was urgently needed at another hospital across the Valley. Then through a series of mobile relays the plasma was transported to its emergency destination. Time element played a big part of this phase due to the nature of the material being sent. At the conclusion of both phases of the exercise, approximately one hour, we all reassembled at our monthly meeting hall, where we discussed the importance of drill and this type of emergency communication setup.

West Valley REACT Mobile Emergency Team undertook a simulated hunt for such an animal, the evening of March 8, 1966. Working with an employee of the Los Angeles County Health Dept. that is also a member of our REACT team, we were informed that in the event an animal were suspected to have rabies victim's family or friends to locate the animal. As after having bitten a person, it would be up to the explained to us, there is not currently any type easrch group or organization, city run or civic that can be called upon to help locate a suspected rabid animal. We are presently working through this member to see if our Mobile Emergency Team can be used in the San Fernando Valley area for this type service.

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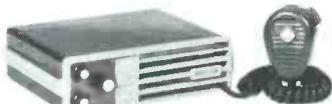
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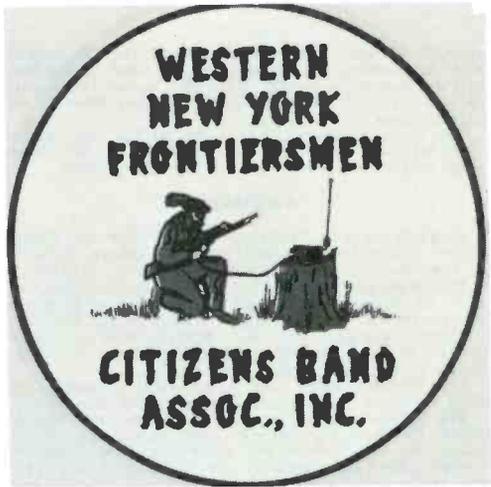
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Another phase of our Mobile alert that evening was coordinating our phone alert with our Emergency Code Names. Main highways leading into and leaving the Valley, key intersections within the Valley that carry the biggest burden of traffic criss-crossing the Valley, have all been code named by us. We know the telephone numbers that are at these intersections or close to them, that are located in service stations, stores, outside booths, etc., that can be used to relay information to us in case the channels are crowded. The reason we have undertaken this project of code names, is that in the event we are called upon in an emergency or disaster, we can instruct our REACT team to travel to, or converge upon any highway or intersection in the San Fernando Valley without having to worry about other CB'ers or walkie-talkies that are untrained, thrill seeking, curious or what have you, rushing to these particular areas and hampering the emergency work being done there.

Many people may not know it but Weatherford has an on the air goodwill ambassador. He monitors channel 11 citizens band radio frequency about 12 hours daily, keeping local mobile units in contact and passing along information to two-way equipped travelers. Robert Ollenburger, known to his friends as Bob, KMV 1196, has been a patient in a local nursing home for two years suffering from a nerve disorder.

He has been confined to a wheelchair for the past six years. The former mechanic attended school in Weatherford.

To help pass the time, he became interested in radio about a year ago. Since then he has become known over a wide area for alert monitoring of channel 11. Travelers from over the country contact Bob when going through Weatherford. They pass along his call letters to other units down the road and several have stopped by his room in the rest home for a brief visit.

Mobile operators giving a local all find a ready KMV-1196 on hand with road or weather information and a plug for his home town.

Radio is Bob's main link with the outside and area citizens banders use the nursing home's dining room as a meeting place for coffee, cake and information on Sunday nights.

Although unable to participate completely, Bob is always considered a part of any radio network and emergency situations. Many CB'ers feel he is a vital organization helping with storm watches, disaster or part of their group due to his excellent radio location and willingness to help when needed.

His radio is a communications link between Weatherford, Clinton, Thomas, Corn, Hydro, Hinton and Geary. Bob's wife, Eva, two daughters and a son, approve of his radio and listen in on conversations while making regular visits to his room. They live in Weatherford where the children attend school.

Bob qualifies well as a goodwill ambassador for Weatherford, having lived in or near the city most of his life. Through his radio he has information about most local events, usually as they are happening.

Three things are prominently displayed in his room, family pictures, a specially autographed picture of former classmate astronaut Thomas Stafford and Bob's citizens band radio license.

Attention all CB clubs in the northern California area—what about news from your clubs activities,

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NORTHERN

The Mon-Valley Citizens Band Radio Club held a CB shindig for members and families on Feb. 18, 1966. The successful get-together of the CB'ers and their families was held at Striekler's Barn, Perryopolis, Pa., R.D. #2. George Adams and the Ramblers furnished the music and the CB'ers had loads of fun learning to square dance. Refreshments were served and everyone had fun just getting together with old buddies they hadn't seen since the picnic last summer. The biggest reward was just seeing all members and their families

enjoying themselves. More coffee breaks are planned for the very near future.

The newly-formed rescue squad is known as The Mon-Valley CB Radio Club Rescue Squad. Its purpose being to assist in all emergencies throughout the Mon-Valley area. The squad is always on a standby ready to go to any type of emergency with fire companies, police, state police, or any one who needs help in a hurry. This group will help in such cases as drownings, forest fires, missing people, floods, etc. The squad is in contact with outlying communities such as Uniontown, McKeesport, Jeanette, and Carmichaels, naming a few. The squad members are equipped with flares, blankets, flashlights, tourniquets, smelling salts, first aid kits and rope and tow cable.

As of now there are 10 members in the unit. Anyone wishing to join may do so by presenting a membership card from the CB Club and a First Aid Card to show you have successfully completed a First Aid Course.

The first meeting of the Columbia County Five Watters Club was held on Jan. 15, 1966. Officers elected were: President, Eugene Radice, KNP5112; Vice President, Robert Longenberger, KPQ0368; and Secretary-Treasurer, George G. Stradtman, Jr., KLP0269.

Every member of the club is a member of the immediate family of a licensee, and members must be under 21 years of age.

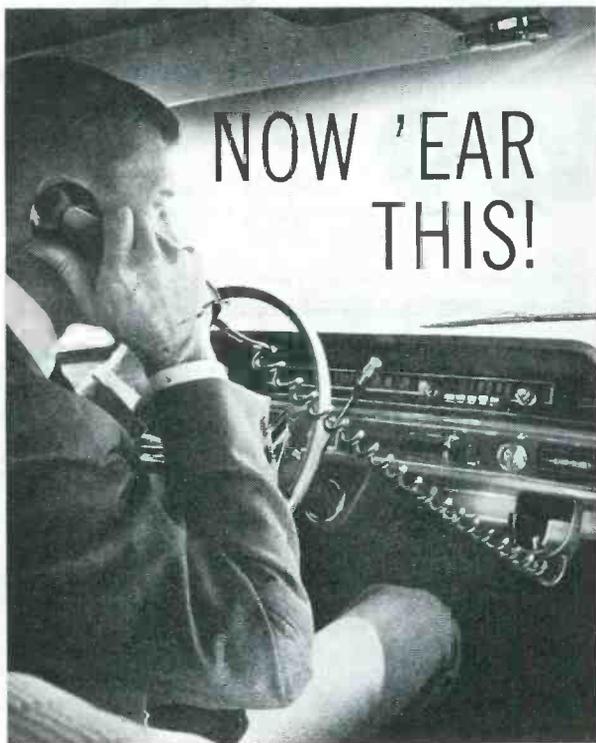
The club was formed to promote good relations between teenage and adult CB'ers.

Members of the Hornell Area Radio Emergency Service and the Alleghany County Radio Emergency Service, met recently at Hornell, N. Y., in a formal meeting to complete plans for the emergency blood transport from the Hornell Hospital to Joes Memorial, working through both the local Red Cross and the staff of Jones Memorial Laboratory. Ramifications and procedure were ironed out by the two clubs.

From the Hornell membership were Robert Raish, President; Jerry Stephens, Treasurer; Howard Jones, Bill Drake, Glenn Dickey, Steve Wauffe, Raymond Khork, Bob Allen and Mrs. Shirley Raish.

Howard Bergerson, president of the local club, Robert Boyd and Mrs. Patricia Bergerson were present from Wellsville.

When blood is requested on an emergency basis, a call will be initiated to the Hornell Hospital, and that



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BONUS ITEM #4 — CB Operator's Guide. Book containing summary of major CB rules and regulations, PLUS glossary of CB words and expressions, PLUS directory of CB channels, PLUS call area map and guide to all current prefixes, PLUS sample CB messages, PLUS 10-Codes, PLUS instructions for using REACT and HELP monitors.

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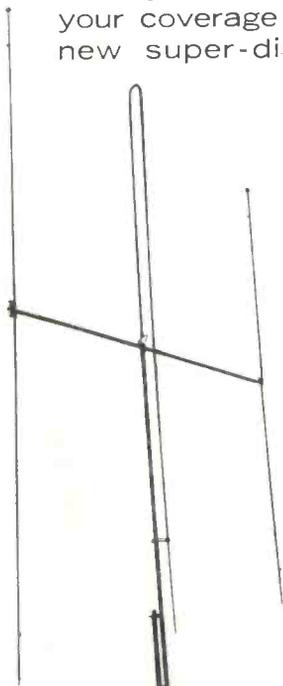
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club starts from Hornell, met by one of the local members and the blood is returned to Wellsville. Two drills have already been conducted with favorable results, and another is scheduled for Sunday, April 3rd. A relay point will be used and monitored by Mr. and Mrs. James Adams, of Alfred, N. Y., and the use of Class D radio will assist in the operation.

Hornell, Wellsville, South Hornell, Arkport, Canistota, Cameron were presented at this meeting.

The Hanover Radio Club recently elected officers for the 1966-67 term. William Messinger, KMG0041 as President, replacing Grant Laughman, KCC1550, other officers are James Buckley, KMG1252, Vice President; Clarence Lauer, KKG0620, Secretary; Darrel Bolin, KMG1533, Treasurer and Russel Dresher, KCD4961, Sergeant-at-Arms.

The Hanover Club draws its members from York County area of Pennsylvania. But, is open for any interested CB'ers. Meetings are held the third Wednesday of every month. Contact with most members can be made on channel 11.

Eastern Pa. REACT held its monthly meeting on Sunday, April 3, 1966 at 2 Downey Drive, Warminster. Guest speakers were Col. Lewis Stretch and Lt. Col. Charles Miltz from the Bucks County Council of Civil Defense. There was a discussion on how CB radio and REACT can be used for CD in case of a national emergency.

The members have shown a big interest in becoming a part of CD communication network.

REACT in the past month answered the call for 5 accidents, gave directions to 13 motorists, reported 1 of blood for a girl in Chester also we located and de-traffic light out of order, located and delivered 4 pints livered 2 pints of blood for a leukemia patient in the Allentown Osteo. Hospital.

REACT is a nationwide non-profit volunteer organization that is formed to set up emergency communications when it is needed by the local community. Anyone interested in becoming a part of this team may contact the President, Edward Wolfgang at OS 5-6078 or Captain Albert Jamison at OS 2-0725.

The North Hills Radio Club, Inc., 128 Mohican Ave., Pittsburgh, Pa 15237 holds their meetings the 4th Thursday of the month at the West View Fire Co., #3, 540 Perrysville Road, West View, Pa at 8:00 p.m. Their '66 officers are: President, Dom Assisi; Vice President, Robert Sapp; Secretary, Lova Jordan; Corresponding Secretary, Marian Ryan; Treasurer, Lois Hallstein; Directors: Al Jordan, George Klein, Robert Hallstein, and Robert Patterson.

Pittsburgh Squadron 602, Civil Air Patrol is now forming a Communications Flight and is in need of communications specialists to assist its Emergency Services Detachment in Air Search and Ground Rescue Missions. If you are an American citizen, 18 years of age or older, you can be of service to your community by becoming a civilian volunteer in the Civil Air Patrol-Auxiliary to the United States Air Force. For more information, call or write: Headquarters, Sqdn. 602, CAP, 519 S. Fifth St., Duquesne, Pa. 15110; phone 466-7375.

At the Jan. 10, 1966 meeting of the Manchester REACT Team Corps Lief E. Rasmussen, KKA was elected President, Raoul Gauthier, KKB3586 was elected Vice President, Leo A. Millet, KMA6086 holds the office of Secretary, Richard W. Horne, KMA1009 holds the money as Treasurer. Now the ones that direct this show as the Board of Directors are as follows: Amon (Skeeter) Webb, KMA1974; Jerome Bellerose, KMA3330; and Clarence G. Wade, KKA7008. This club now has a membership of 61 and is very active in all lines of REACT, they have now almost completed a three hour shift monitoring of channel "9," to have a twenty-four hour service for the week. Also comply list of telephone numbers in surrounding towns within a fifteen mile radius, of fire, police and gas stations in case of emergency.

Newly formed is the Northeast Bronx REACT Team which monitors channel 9. The club boasts a membership of 20 at this writing. More news is expected from the REACT Team.

The Narragansett Bay Citizens Band Radio Club, NBCBRC, held a dance Saturday, April 9, 1966, at the KFC Hall, Middletown, R. I. Representatives of most of the major clubs in the Greater Providence area attended. Prizes were given away, among which was a portable television set. Mr. Gabe Nunes, President of the NBCBRC, did his usual fine job in planning the dance, and a great time was had by all.

April 30, 1966, an "Eye-Ball Dinner" was given at the Embassy Club, Woonsocket, R. I. The complete

Italian Dinner was held for the purpose of meeting other CB'ers for an "Eye-Ball QSO." The affair was sponsored by the T.A.C. (Tactical Audio Communications) Radio Club, President, Tom Leahy, KBB0127 and Vice President, Fred Foshey, KKA5383.

The Channel Wanderers Emergency Radio Club held an election of officers Feb. 17, 1966. Officers are: President, Roland Mignaneli, KBA8491; Vice President, Warren Denniston, KBA6653; Secretary, Betty Denniston, KBA6653, unit 1; Treasurer, Dot Lombardi, KBC-2397; Corresponding Secretary, Elaine Denniston, KBA6653, unit 2; Sergeant-at-Arms, Paul Hamel, KMA0376; Air Officer, Dick Fletcher, KMA2972; Assistant #1, Tony Lombardi, KBA6015; and Assistant #2, Edward Mathewson, KBD0072. The C.W.E.R.C. meets on the 1st and 3rd Thursdays of each month at the Norwood Fire Station, Warwick, R. I.

Congratulations to the newly elected officers. Recently organized is the Clean Up Time, (CUT) for the purpose of eliminating illegal operation in the C.R.S. Any persons interested in obtaining membership should contact Charles Rosenberg, KMD4112 at 8 Abbey Court, Plainview or Howard Laskow, KKE-0365, 79 Wilson Place, Plainview, N. Y.

PACIFIC

One year old! The North Valley CB Club, Inc. of Redding, Calif., was founded April 4, 1965. Our purpose: To be better CB operators and to offer our services whenever and wherever needed. We have 45 members, wives and guests, and growing all the time.

Members, wives and guests enjoyed a turkey dinner at Recardo's in Redding, April 2nd in celebration of the occasion. New officers were installed at this dinner.

Past president Jerry Wood, KFD1166, indicated it had been a privilege to serve the club in this capacity. He thanked members and past officers for their support in the past year.

Installing officer, past secretary Tony Decoito, KLA-6363, explained duties of each office as he introduced, then installed officers: President, John Hodgdon, KNA-1243; Vice President, Nate Skinner, KFC4131, Round Mountain; Treasurer, Earl Alexander, KFD6355; Secretary, Rod Roe, KNA1141; and Sergeant-at-Arms, Wil-

son Shafer, KNA4659. Board Members: Jerry Wood, KFD1166; Bob Lonquist, KNA1996; Jerry Johnson, KNA5750; and Rudy Mortizia, KFD4525.

President John Hodgdon expressed his wish for better participation in club activities in the coming year. He mentioned the possibility of the club providing communication at the 4-day Shasta County Fair in late July. He named his committee chairmen for the following positions: Newspaper, Mrs. Virginia Decoito, KLA6363; Mrs. Dorene Johnson, KNA5750; FCC, Jerry Johnson; Social, Mrs. Bonnie Smith, KLA7040; Membership, Mrs. Myrtle Mortizia, KFD4525; Civil Defense, Earl Alexander; Rescue and Aid, Tony Decoito; Historian, Mrs. Marie Rough, KNA4409; Welfare, Mrs. Betty Skinner, KFC4131; and Publicity, Mrs. Ruby Gonzales, KFD3165.

At present they meet in the old Justice Courtroom at 8:00 p.m., the 1st Tuesday of each month. Visitors are welcome at these meetings.

Great Falls, Montana—Minutemen CB'ers, a newly formed CB radio club at Malmstrom AFB, recently received praise from local officials for their assistance in supplying the Civil Defense fallout shelter in the area.

The club meets the 1st Tuesday and the 3rd Monday of each month at 7:30 in the Base Drivers School.

The Palouse Hills CB'ers, covering all of Whitman County, Washington, and surrounding areas, is now beginning its second year as an organization.

The new officers for the year are: President, Bill Dober, Pullman, Wn., KLD0660; Vice President, Dick McCrory, Palouse, Wn., KFJ0945; Secretary, Jim Wy-song, Palouse, Wn., KLD2693; Treasurer, Wallace Luther, Colfax, Wn., KFJ1454; and Jack Mader, Dusty, Wn., KLD0904, Chairman of the Board.

The Palouse Hills CB'ers monitor channel 11, and are happy to be of assistance to passing motorists, and welcome them to attend our meetings which are held the 1st and 3rd Monday nights of each month.

SOUTHERN

The "Red Stick" CB Jamboree date has been set for July 16 & 17, 1966, to be held in conjunction with the annual Baton Rouge "Fundora" Week. Fundora is a

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CB IN ACTION



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

Time for another Companion II award. This time "CB in Action" saved a life. Thanks to Dr. Frank Caffin for his fine story.

"Dear Mr. Hench: I think that the following account of CB in action where a life was saved under very unusual circumstances might win me a Companion II. It happened as follows:

"While living and practicing medicine in Alpharetta, Georgia, a few months ago, and while visiting a patient's home on a professional call, I heard the following desperate plea for help on the Base CB set at the home of Mr. and Mrs. Ernest Watson, of Duluth Street, Alpharetta, Georgia. (I had been using CB for several years and had persuaded them to install a set in their home.) 'Help, get a doctor, I am bleeding to death.' I answered, 'What is your 1020, I am a Doctor.' He again screamed, 'I am dying, my throat has been cut.' I again asked, 'What is your 1020?' He was too excited to regard my query. I then said 'Go to Dr. Caffin's office immediately, I will meet you there.' I rushed from the Watson residence and raced into my office parking lot about one quarter mile distance. As I drove in the patient arrived driving with one hand and holding his bleeding throat with the other. I rushed him into my office and with my wife, the nurse, we stemmed the hemorrhage and then immediately called an ambulance and rushed this man to the hospital for transfusion—six units of blood.

"The above case of CB in Action was responsible for the life of this patient and he is alive today. This can be confirmed by Mr. and Mrs. Watson who heard this plea for help. Mr. James Heaton, of Alpharetta, Georgia, was the person involved. He has been cut from ear to ear with a knife. Maybe this case will demonstrate in some small measure the use and importance that I attach to CB to me as a physician and more especially now that I am practicing in the Green Mountains of Vermont.

Very truly,
Dr. Frank H. Caffin, KDB1792
Cabot, Vermont"

WIN A COMPANION II CB

"CB in Action" is your story. You can win a Companion II if we run your account of any event in which CB played an important role in helping you or your community. Send your story to Les Hench, Sales Manager, Pearce-Simpson, Inc., P.O. Box 800, Biscayne Annex, Miami, Florida 33152.

fun-filled period for all citizens and visitors in the Baton Rouge area during the summer months, and features the CB Jamboree, car races, art exhibits, boat races, air shows, etc. Fundora is sponsored by the Baton Rouge Chamber of Commerce.

Bobby Flynt, KKR4528, is Chariman of the Jamboree committee. The Jamboree is being sponsored by all CB'ers in the Greater Baton Rouge area. The "Red Stick" name was chosen because the early history of Baton Rouge, capitol city of Louisiana, shows that a tall red cypress tree once stood at the present site of Louisiana's old State Capitol. This tree marked the boundary lines between the hunting ground of the Houma and Bayou Goula Indians.

The early French settlers gave the name of "Le Baton Rouge" to the city. Baton for stick—rouge for red.

Advance tickets are on sale at \$1.00, with price being \$1.50 if purchased at the gates.

Further details can be obtained by writing: "Red Stick Jamboree Committee," % Greater Baton Rouge Citizens Communications Association, Inc., P.O. Box 805, Baton Rouge, Louisiana.

EXTERIOR

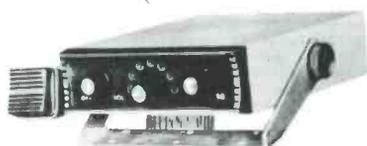
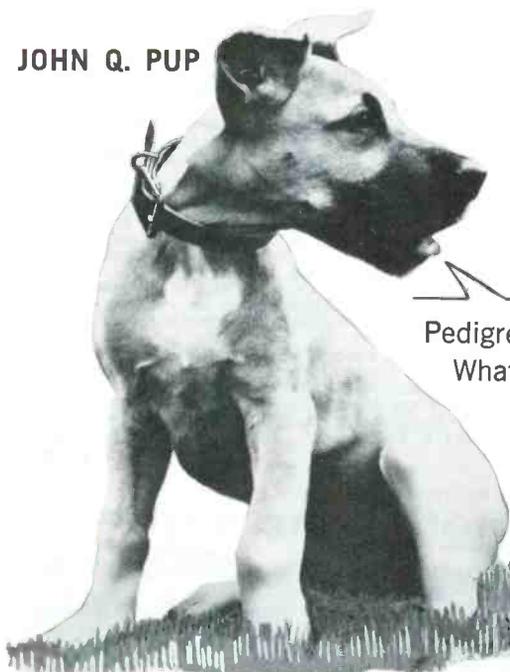
The regular business meeting of the Aliamanu Radio Club was held on March 20, 1966 in The Beacons Restaurant Hallroom located at 98-108 Lipoa Place, Aiea, Hawaii, on Kamehameha Highway (Route 90) by invitation of Manager, Jim Anuma. Over fifty members, friends and guests attended this most successful meeting. Special guests were: Fred Wegmer, KH6-FOW, 21Q0245, 306 RACES Radio Communication Officer and Director of the recently organized Emergency Communications Platoon under the supervision of the Honolulu Police Department. Mr. Wegmer spoke on the purposes and objectives of the emergency communication platoon and the role that the Citizens Banders can do as members of the platoon and the role that the Citizens Banders can do as members of the platoon as volunteers. A 45 minute movie was shown (film was loaned by Oahu Civilian Defense Library) depicting the destructive Alaska Earthquake and Tsunami (tidal wave) of 1964. The picture showed the tremendous and vital role the Radio Amateurs and CB'ers Radio Communications had in assisting the Alaskan government and the various disaster agencies that went into action in assisting the general public. Other guests present were: Frank Loffin, KNS0027, Assistant Director of the Emergency Communication Platoon; Bob Giso, KIG0236, ECP Operations Officer; Richardson "William," ECP Inspector; Mr. and Mrs. Ed. Siedschlag, KLL1258, 2312 N. Union St., Appleton, Wisconsin 54914 who are in Hawaii vacationing and visiting their son Chuck Siedschlag, KNJ9004 who lives here in Hawaii in the city of Waipahu. Recently welcomed to the club were: Don Craig, KNS0180 of Ewa Beach, Hawaii; John Awai, Sr., KPS0016; Roy Anaga, KNS0146; Dennis Kamakani, KLS0129-2; YL "Miss" Blossom Kalua, KNS0066-2; and Ireneo Domingo. Preliminary plans were discussed to hold a luau (Hawaiian feast) for the club's first anniversary in June 1966. William Kelekolio, KIG0170, Frank Machado, KLS0013, Henry Kalaiwaa, KLS0154 and David Kahi, KLS0123 were to be the committee for the project. They will be assisted by XYL Mrs. Henry (Nora) Kalaiwaa, KLS0153, XYL Mrs. David (Bertha) Kahi, KLS0123 and YL "Miss" Jeanne Teanio. Roy Onaga, KNS0146 was highly commended by the club's president and members for his untiring efforts in contacting each club member by radio or telephone and informing or reminding them of all club activities, such as meetings and special events. Roy is elected to Sergeant-at-Arms for the club and is doing a terrific job.

CANADA

A supper meeting of The First Nova Scotia Citizens Band Radio Club convened at 7:00 p.m. at the Gabriel Restaurant in New Minas, N. S. with 57 members and guests present. Everyone enjoyed the supper which consisted of southern fried chicken. The business meeting got underway at 8:00 p.m., under the direction of our able secretary Bill Cox, in the absence of our President Gilbert Hazlett. Mr. Cox introduced our special guest Mr. Bardell, who is the Parade Marshall of the annual Apple Blossom Festival. He spoke on the help the club gave the committee last year and asked again that we assist them this year. Bruce Campbell, XM63007, was appointed to look after the communications for the parade which will be held on May 28th

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starting at 1:30 p.m. He will have as his able assistant Same Milne, XM63454. Twelve members offered the services of their mobiles for the parade.

The secretary then read the minutes of the last meeting. It was moved by Bruce Campbell and seconded by Ron Joudrey, XM63480 that the minutes be approved. Motion carried.

It was moved by Basil Duncason, XM63702 and seconded by Bill Parks, XM631639 that our annual jamboree be held at Lily Lake, Hants County on July 16th and 17th. Charlie Murdoch was appointed to look after securing the grounds for this date. The July 1st and 2nd dates were shelved due to other activities being held by The Avon Boat Club at Lily Lake. Since this meeting I have booked the ground and clubhouse at Lily Lake so the Jamboree will now definitely be held on July 16th and 17th. The jamboree will commence with registration on the 16th, with a dance in the clubhouse the same evening. On Sunday a chicken barbecue will be held with a meeting in the clubhouse also. Prizes will be given, but as of yet have not been decided on, but will be when the jamboree chairman Bruce Campbell and his committee has a meeting in the very near future. This is all the information on the jamboree at present.

It was moved by Sam Milne and seconded by Don Clark, XM61264 that we contact REACT for official membership. Motion carried. It was stated by George Coggins that a directory from numbers XM63001, XM-631680 will go to press next week and will be available shortly.

Ross McKenzie, XM63625, the treasurer gave his report. The bank balance is \$210.88 and all bills are paid to date. Also not added was the profit given to the club by S9 A.P.R.E. Charlie Murdoch on subscriptions to S9 magazine which amounted to \$8.85. It was moved by Bill Parks that the treasurers report be approved. Motion carried.

nications Club covering northern Sask. Membership is newly organized is the Northern Citizens Community 17 and growing. President, Orville Borrowman; Secretary-Treasurer, Wes Stubbs; Vice President, Bob Eskes and the southern area its Sam Pladsen. It is the intention of the club to form a network across Northern Sask. and link the southern part of the province.

COMING EVENTS

Continued from page 52

5-9 and 11. The Jamboree is sponsored by the Five Watt Whips of Lowell, Mass. Contact: Five Watt Whips, P.O. Box 201, Lowell, Mass.

6th Annual State of Maine CB Jamboree, sponsored by the Standby Club of Biddeford, Maine, Sunday, August 7th, Stickney Lodge, Route 35, Goodwins Mills, Maine. Activities all day. Contact: Paul LaFlamme, 35 Gove St., Biddeford, Me.

The Citizens Radio Ass'n of Crawford County, Inc., is sponsoring their 3rd Annual Jamboree, September 4th, at the Crawford County Fairgrounds which is located on Route 77, just east of Meadville, Pa. Contact: C.R.A.C.C., Box 356, Meadville, Pa.

The Kenosha CB Radio Club will hold their 3rd Annual CB Cornroast and Jamboree, August 7th, Kenosha County Conservation Club, Highway AH, ¼ mile west of Highway 45, just 1 mile south of Highway 50. Contact: Al Despin, Route 1, Box 174, Kenosha, Wisc.

The K.V.C.C.'s 4th Annual Jamboree to be held, August 5th, 6th and 7th at Nitro City Park Nitro, W. Va. Contact: Kanawha Valley Communication Club Jamboree, P.O. Box 8393, S. Charleston, W. Va.

The Valley County "5" Watters CB Club of Glasgow AFB, Montana and the Plains CB Club of Regina, Saskatchewan, Canada, will hold their 1st Annual Campout Jamboree, July 1st, 2nd, 3rd and 4th at Cypress Hills Provincial Park in Saskatchewan, Canada. Contact: Willie R. Gupton, 398 B Hickery St., Glasgow AFB, Montana.

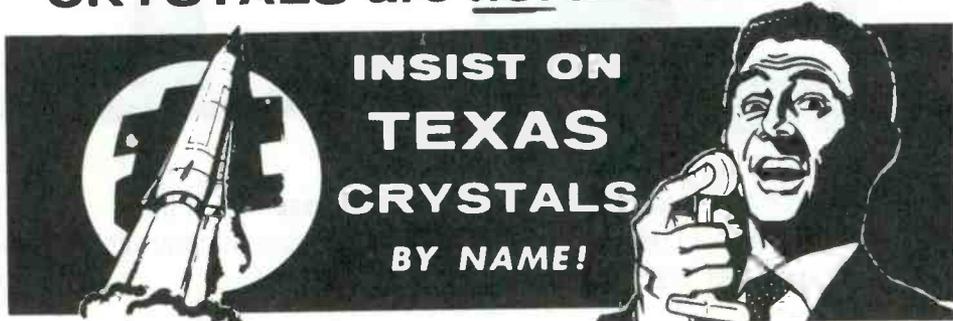
2nd Annual Jamboree, sponsored by the Marshalltown Corn Belt CB Club, August 6th and 7th, Isaac Walton League Club House, Marshalltown, Iowa. Contact: P.O. Box 274, Marshalltown, Iowa.

The Auburn Radio Monitoring System is holding a Coffee Break, July 17th under the 4-H Pavilion at Emerson Park on Owasco Lake, Auburn, N. Y.

The Kings County Chapter—C.B.R.R.I. is having a Jamboree-Picnic on July 10, 1966 at The Beachcomer in Staten Island, N. Y.

S9

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S9 LAB REPORTS

Continued from page 37

(400 cps modulation); squelch threshold: adjustable .35 to 50 uv; AGC characteristic: very flat with only 5 DB AF output variation with input-signal increase of 80 DB above 1 uv, 1.5 DB with signals above 10 uv, and with good strong-signal-handling capabilities. The transmitter delivered 3.5 watts of carrier output with excellent modulation up to 90%.

Actual on-the-air operation produced fine results both on receive and transmit; while in-the-car tests pointed up the effectiveness of the noise silencer, even for eliminating power-line noises which as a rule are almost impossible to get rid of. The receiver appears to have even better sensitivity than the measurements indicate, as experienced by the more than customary number of signals heard over a larger range than usual. This, no doubt, is one of the dividends also obtained as a result of the excellent noise-silencer action. No problems were found with interference from nearby channels, even those with strong signals; and the excellent AF quality afforded by the bandpass filter and the speaker location made listening a pleasure. Reports on the transmitter signal also gave evidence of good modulation with a nice sounding signal.

The Squires-Sanders S-5-S CB transceiver is priced at \$185, complete with ceramic p.t.t. mic, power cable, crystals for channel 9 operation, mobile-mounting bracket with all necessary hardware. There are two 117 VAC power supplies available for base-station use in which case the power unit is used as a pedestal-type stand for the transceiver. The Standard Model 800-033 AC Power Supply is \$19.50. The Master Model 800-034, priced at \$39.50, includes electronic voltage regulation that maintains a stable operating voltage for maximum power at all times with widely varying line-power voltages (105-125 v.). It also has a built-in S-meter for the receiver.

These units are products of Squires-Sanders, Inc., Martinsville Road/Liberty Corner, Millington, N. J. 07946.



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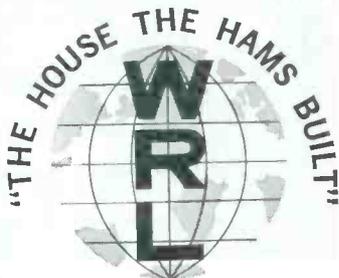
Dept. S97B

Rush FREE 1966 WRL Catalog

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WASHINGTON OUTLOOK

Continued from page 55

• This station originally had a \$400 fine, asked the FCC for cancellation or reduction, but they denied his request and he has to pay the full amount:

KCF1516, William Ray Wilson, Glen Burnie, Md. (also see this month's license revocation listings).

• The following CB'ers had actions against them delayed:

KNM15983, William J. Cargill, Milan, Mich., license revocation stayed until October 28th.

KMA3113, Gerald F. O'Neill, Providence, R. I., license revocation stayed until October 16th.

• The FCC set aside or dismissed charges against:

KOI0223 (ex-KCG3914 and KCF0596), Woodrow D. Cross, Baltimore, Md., license was submitted for cancellation so proceedings against were dropped.

KEE2483, Jerry D. Hawkins, Corpus Christi, Tex., licensee replied to FCC correspondence and satisfactorily explained violation charged.

In other FCC activity, long time S9 reader, George Nims Raybin, Bronx, N. Y. filed formal petitions with the FCC to change the CB rules as follows: Section 95.41(d)(1) to be changed to permit the use of any CB channel (1 through 23) for use in contacting stations of different licensees for the sole purpose of asking such units to change frequency for additional communications on channels lying between 9 and 14 or 23. His second petition asks that the CB antenna height maximum be changed from 20 to 25 feet. A third petition requests that CB operators be allowed to retain their call signs when modifying or renewing their licenses.



READER MAIL

Continued from page 4

Gentlemen:

After reading your guileful article it is our opinion that the FCC would acclaim it for 11 meters, as you suggested. We are still in a convivial frame of mind from reading the obtuse name of the inventor, but possibly some of your subscribers may not share our feelings. The mysterious oriental dielectric supplier of the dielectric appears to be the sole beneficiary of your little hoax.

"R. Hugh Kiddon, Dust Control Engr."
"Malfunctions, Inc."
Brooklyn, N. Y.

Tom:

Congratulations! Never have I witnessed such subtleness, such finesse, in delivering a story that

started one of the wildest goosechases of the year, when all the time if we had carefully read the article we would have known it was one "bug" joke. You are sure "one up" on us, the story was beautifully written!

Howard Levine, KPQ0152
Glens Falls, N. Y.

Dear Tomfoolery,

Holy Coax! Your Vampire Bat cut out the TVI you claimed for it but now I have TVI in reverse. My rig now runs the audio portions of old Bela Lugosi movies and when the skip is good I can hear Bruce Wayne. Happy April Fool.

Michael N. Marcus
Lehigh University
Bethlehem, Pa.

Sirs:

For shame! Trying to mislead honest CB'ers with an article loaded with \$2 words *implying* that a plain old dummy load would be the world's greatest CB antenna. Who could possibly be taken in by such an artful dodge. I'll tell you who—ME! I even passed over all the clues in the article itself with only a fleeting moment of doubt. Fortunately I am not always so gullible. Before I sign off, could you tell me if you know of anybody who might like to purchase the Brooklyn Bridge. How can you ever top the Vampire Bat in next year's April issue?

"Ben Taken"
Austin, Minn.

Gentlemen:

Why all the fuss about the Vampire Bat? Doesn't anyone bother to *think* when they read? In at least half a dozen places you came right out and said that it would *NOT* work, you *never* said that the thing would, in fact, radiate a CB signal *even 5 inches*, and *none* of the claims which you did make for it were anything but 100% truth. Your Vampire Bat story was perhaps the best thing ever presented to the CB world because it points up, with razor sharp acuity, that CB'ers are ready targets for those who would sell them "miracle cures" for their CB problems. When some of the tempers die down you will be sincerely thanked by those CB'ers who will never again be "taken." You may have saved the CB world millions of dollars wasted on worthless products so often sold by the type of fancy non-claims made in your story. And that goes for many products outside of CB too!

Jim Gibson, ex-2W7610
Forest Hills, N. Y.

We agree with you Jim. There are few miracles floating around these days, and it's very easy to sharp-talk someone into believing in them by throwing out a few unfamiliar words. We hope our reads will very carefully examine performance claims and non-claims presented to them; and we promise not to try and mislead them again—until next April Fool.



S9 = more news, more authors, more value!

July 1966 • 77

JOHNNY ON THE SPOT

Continued from page 22

food (non-perishables such as cookies, candy bars, pretzles, dried fruits, canned meats, etc.). A detailed road map of the county. At least two flashlights with fresh batteries and spare bulbs. Plenty of pencils and ball point pens, also much ruled paper. A high intensity lamp which will operate from the vehicle's cigar lighter can be placed on the dashboard for convenience. An accurate clock. A gool compass. Signal flares. Converter or receiver to pick up police or Coast Guard communications. Have a pair of binoculars. Tooth brush, *Wash 'n Dry* towels and other personal items. List of all stations in your communications network. Tools (hammer, screw-driver, pliers, knife, hatchet, nails). Matches.

A checklist of these items is included for your use in outfitting the station. You may add or subtract items to suit your specific needs.

ON THE AIR

Your station, thus equipped, is a self-contained, completely portable/mobile communications center. A junior version of huge communications vans costing many thousands of dollars, but nonetheless effective when local CB'ers need a central clearing point for their emergency communications, a relay point, a dispatcher. With at least three or four trained operators ready to man the station, it could be on the air in a short time (try to have at least two operators man it).

If you get your own on the air, be sure to send S9 a photo of the unit. Photos of regular communications vans are also welcome.



KBG4303 RIDES AGAIN

Continued from page 7

Operator Permit" by answering a few questions on a form. That's an FCC license, just as your own CB license is . . . well, a license, as is a Ham ticket.

3. Some CB shops may have a remote association with a properly licensed CB technician, who may even receive a few dollars per month to display his fancy FCC license certificate on the wall of the CB shop. This does not always mean that he personally is doing work on your CB rig when you bring it in, possibly he has *nothing* to do with *any* of the actual work done at the shop.

Whichever the foregoing case, poor Joe CB'er gets it in the neck, the pocketbook, and in the rig. We suggest that any time you have work done on your CB rig, you determine beforehand, beyond any doubt, that a *qualified* technician is going to work on

your rig. Not only that, but when the repair is completed, demand that the receipt briefly outline the work which was done, and have it signed by the technician, together with his FCC Telephone or Telegraph certificate number. This is *not* a callsign. Any CB shop which gives you a hard time about this should be immediately suspect of feeding you gobbeldy-gook.

Playing it safe in this manner may protect you in the event an FCC monitor tags you for overmodulation or off-frequency operation. At least you can show that you had the unit worked on by an authorized technician.

It's often the same difference as that between the physician and the quack. In both cases, the guy who pays is the guy who suffers. Don't let a quack CB technician perform surgery on your rig—he'll probably charge you no less than a qualified technician would and may end you up more problems than you brought to him in the first place.

VIET WAR AIDS CB'ERS??

Ever notice how CB communications seem to become difficult when your mobile unit wanders into an area of heavy vegetation? The army people noticed it too, especially in Viet Nam, where a jeep with a 5 mile communications capability drives 1 mile into the jungle and out of radio range.

S9's information sources advise that this problem is being worked on—not so much from the aspect of designing radio gear which will penetrate a jungle, but by trying to formulate a chart which will estimate how far a given communications system will be useful under certain adverse situations.

The army is afraid that someday some kind of crazy mixed-up factors will cause a fully equipped soldier or unit to be sent to an area where his radio gear will be useless—not because of any fault of the soldier or his gear, but because the gear was not specifically matched to the environmental obstacles.

Possibly if and when the results of this research are made public, CB manufacturers will be able to devise rigs and antennas which will go together in different combinations for maximum results under all sorts of operating situations in cities, open country, areas of heavy vegetation, over water, etc.

The research is being done by Dr. L. G. Sturgill of Atlantic Research Corp., Arlington, Va.

"SPREAD THE WORD ALL YE FAITHFUL"

If you are like I, you don't keep magazines very long. I throw them out either in rage or just as a matter of avoiding a *major* stockpile

Is it time to renew your S9 subscription?

of old junk—I already have established a minor stockpile of useless material (old Valentine's cards, peanut butter and jelly sandwiches, ACBA Achievement Awards, Chuck Berry recordings, etc.).

Here's a thought on putting the worn-out S9 to possible good use. Why not drop it off in the waiting room of your friendly neighborhood doctor or dentist, or maybe at your favorite barber shop? This great idea was furnished by an anonymous reader in Fargo, N. D., who says that he alternates his S9's amongst his doctor, dentist and barber. This way, each receives every third issue, and is most grateful for the donation. It helps S9, and we are more than happy to have our readers aiding us in spreading the word.

VIET NAM

It seems that more than a few CB'ers have been carted off to the wars. War is pretty rough as it is, but to be at war and also without the monthly copy of S9 is really a bit much for any tried-and-true CB'er. We have therefore decided to offer special subscription rates for servicemen in Viet Nam.

Henceforth, subscriptions (or gift subscriptions) mailed to servicemen in Viet Nam (only via APO or FPO San Francisco) will be available at the special rate of \$3 per year. Upon leaving Viet Nam, the subscriptions may be transferred to any other address where the serviceman may be sent.

To obtain a subscription at this rate, the subscription envelope or order must be clearly marked "Viet Nam Armed Forces Rate." How about that CB'er you know in Viet Nam? Think he might like to have a gift subscription to S9?



DOES MY TRANSMITTER . . . ?

Continued from page 33

15.228). Regardless of the frequency that is used, the operation of the telemetering transmitter must be stopped if harmful interference is caused. Operation may not be resumed until the harmful interference has been eliminated (§§15.3, 15.4, 15.222).

RECEIVERS ASSOCIATED WITH MINIATURE TRANSMITTERS

In addition to interference which may be caused by transmitters, interference may also result from receiver oscillator radiation. Harmful interference from radio receivers is just as real and just as damaging as harmful interference from transmitters. Receivers associated with miniature transmitters must also comply with FCC Rules (Subpart C, Part 15). If the receiver operates in the range 30-890 mc/s, it must bear a seal certifying that it complies

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SAVE

We only sell in new factory sealed cartons, therefore, when we display units we offer them at a reduction. Following is a list of such units along with some closeouts. BUY NOW AND SAVE!!!

Hallicrafters WR-3000 6 Band receiver	93.33	ND
Courier 12 12 channel Transceiver	82.15	U
Squires Sanders 23'er		
23 ch. Transistor	179.30	ND
Base Power Supply for Above	18.00	N
USL Contact 8 8 ch. Transceiver	82.25	ND
Pace IIS 12 channel with "S" Meter	147.50	ND
USL Contact 23 23 ch. with all crys.	136.80	ND
Johnson Messenger III Transistor	148.60	ND
Johnson Messenger III Transistor	139.50	D
Hallicrafters CB-12 Transistor	138.50	D
Eico Sentinel 23 with all 23 channels	131.50	ND
Johnson Mess. II 23 ch. tunable rec.	129.00	ND
Sonar BR-21 Linear Amp. 12 volts dc	138.25	D
Metrotek Pacer on channel 11	53.50	U
USL Contact 6 6 channel Base	69.95	N
ECI Courier TR6 6 channel Transistor	92.50	ND

WALKIE TALKIE CLOSEOUT

Claricon—060—9 trans. 100 MW	21.72	N
Claricon—400—1 watt 13 trans.		
w/meter	52.00	N
Claricon—070—10 trans. 2 channel	27.50	N
Claricon—080—9 trans. 100 MW	22.00	N
Cadre C-75 1½ watt	69.00	ND

N=New Factory Sealed Factory Guarantee
ND=New Display Factory Guarantee

D=Demonstrator Reconditioned 30 Day Guarantee

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All our equipment carries either a "new factory guarantee" or the "Echo 30 day guarantee."



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with the FCC Rules.

AVAILABILITY OF RULES

The various Rules and Regulations of the FCC may be purchased from the Government Printing Office, Washington, D.C. 20402. Purchase of a volume carries with it a subscription for amendments for the life of the volume.

The regulations are also published in Title 47 of the Code of Federal Regulations available in any law library.



ANTENNAS

Continued from page 44

If your set is more than a few years old or is used in heavy service, contacts might need additional treatment. Sparking during change-over can cause pitting and electrical losses. A regular file or sandpaper to smooth the pits is not recommended. The reason is simple: relay contacts usually have a special curve that causes a self-cleaning, or wiping, action each time the relay operates. Filing the contacts may not only destroy this action but cause poor mating of contact surfaces.

If you must restore pitted contacts, use only a relay tool made for the purpose, available at electronic distributors. This is an extremely fine file that permits the points to be "dressed"—another way of saying that pits are removed without the bad effects mentioned above.



ODDS 'N ENDS

Continued from page 39

*The Knight (Allied Radio)
Super-Sensitive Exposure Meter*

Here's a kit tailor made for the guy who wants to bang out an easy project in one evening. And as a bonus, you get a super-sensitive and accurate exposure meter.

The Knight exposure meter is the new cadmium-sulphide type, sensitive enough to read the proper exposure of something illuminated by a single candle. In appearance, ruggedness and accuracy, the Knight KG-275 exposure meter (\$15.88 in kit form) is the equal of meters selling for thirty to forty dollars. It is calibrated for ASA film speeds of 0.5 to 12,000 and has scales that indicate proper F openings and shutter speeds, EV-LVS, and cine speeds from 4-128 frames per second. The meter uses a mercury battery and a battery test switch is built into the KG-275.

As a beginner's project the Knight exposure meter is an ideal "first project" as there are few components, no critical adjustments, and lots of giant pictorials. As shown in the photograph, the "instructional manual" is actually a large fold-out single sheet, and the total components would fit in your palm and still leave lots of skin showing.

Since the exposure meter contains no tubes

or transistors—actually it's basically a battery, meter and photo-resistor connected in series—there's virtually no place a beginner can go wrong. In fact, this project is more an exercise in precision soldering (a most important technique to learn if you intend tackling larger kits) than anything else.

Total construction time, even if you're extra careful and triple check every step before you do it, should be less than three hours; one and a half hours if you're fast.

And unlike so many other "beginner kits" which result in a useless finished project—like a crystal radio requiring a fifty foot antenna—the Knight exposure meter is as good if not better (certainly as or more sensitive) than what's offered in the photo shops.

Next month we'll give you the real truth about hobbyist test equipment; and if we don't save you at least two hundred dollars it'll be your own fault.

Keep those letters coming so we'll know what you want to know about.



SWL SHACK

Continued from page 56

Here's a report from The Mountain State, West Virginia, via Elden Greter, KNN1547, of Charleston. Elden says that 4585 kc/s becomes WILD with Civil Air Patrol activity after 1700. He says to listen for "mystery" CW stations 3231 kc/s using call signs H33A and 5N8—they seem to be radar picket ships in the North Atlantic. He's got the *Voice of Free China* on 7130 kc/s at 0645 EST and on 9675 kc/s at 0230 and 0630 EST. Receiving gear is a Hallcrafters SX-111.

George Stradtman, Jr., Bloomsburg, Pa., suggests *Deutsche Welle*, Cologne, West Germany, 9605/11905 kc/s at 0545 EST and on 6145/9735/11925 kc/s at 1550 EST.

We still receive a great deal of mail asking us to suggest SWL radio clubs—it appears that the SWL club scene is a rapidly changing one, with clubs constantly coming and going. From time to time we receive bulletins from the clubs, and we are happy to offer publicity to any clubs which place us on their mailing lists. We used to receive bulletins from *DX Internationale*, *American SWL Club*, and *North American Shortwave Association*—all had good bulletins, and we plugged them frequently. Inasmuch as we haven't seen bulletins from these clubs in a dog's age, we regret that we cannot answer your questions as to whether or not they are still in business. The only club which we can vouch-safe for at the present time is *Newark News Radio Club*, 215 Market Street, Newark, N. J. Dues are \$5 per year, sample copy of their giant and worthwhile bulletin (jammed with DX news from all bands) is 25¢. Please mention S9 when writing.

Send in those reports and if you have a shack photo we'll be happy to run it here.



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.

GENERATOR NOISE FILTER. Eliminates car generator whine, \$2.50. Also Voltage Regulator Filter, \$2.50. Highest quality. Engineered Products Company, Springboro, Ohio.

TECHNICAL MANUALS—Military equipment world's largest list 10¢. Quaker Electronics, Hunlock Creek, Pa.

QSL's—Smart CB'ers buy their QSL cards from the CBC Wholesale Club, Box 631, Lexington, N. C. See half page Advertisement on page 75.

1000 two-color QSL's—\$12.95 white glossy stock. Catalogues—samples—25¢. KCJ1955, Lile Guill, Rustburg, Va. 24588.

WE WANT CB DEALERS—big discounts on Johnson, Regency, Lafayette, Antenna Specialist, HyGain, and many others. Write for dealer price list. CB Sales Company, P.O. Box 2806, Dallas, Texas 75221.

Sonar FR101 FM Monitor AC-DC-Xtal (37.180) plus antenna for 25 mc and 150-175 mc—only 2 months old—\$100.00. J. Rouse, Rt. 4, Box 161, Brownwood, Texas 76801.

QSL's—BROWNIE W3CJ1-311 Lehigh, Allentown, Pa. Samples 10¢ with catalog 25¢.

CB, SWL, QSL, WPE cards. Free samples, ABCD Printing, P.O. Box 658, Edgewater branch, Cleveland, Ohio 44107.

CB'ers stationery. 200 sheets with call letters, name, address, \$2.25 postpaid. Samples. Bob Cleary, Box 468, Binghamton, New York.

I.C.B.A. can do for Citizen Band Clubs, none members, what the Elks, Knights Columbus, Masons, other National Fraternity Associations have done for its members. Certificate of Merit and/or Life membership issued to Clubs, deserving persons. Clubs advise. Box 464-30, Culver City, Calif. SELL: Citizens Band transceiver, Heath-GW-11, 12 volt only. Good cond't. \$45.00. Will ship C.O.D. R. B. Harding, 2490 36th Ave., San Francisco, Calif. 94116.

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 rig, the wall of the CB shack, letters, etc. Paste
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 SWL preselector kit \$18.99. Free catalog. HOL-
 STROM ASSOCIATES, P.O. BOX 8640, Sacra-
 mento, Calif."

FREE SAMPLES—CB QSL CARDS—\$2.50 per
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 Jutland, New Jersey.

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

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

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CB SHTICKERS, those far out zany CB mottos on gummed stock, are available for 50¢ for a sheet of 30 (27 different). Three sheets for \$1. They're the most for QSL cards, mobile unit windows, the rig, the wall of the CB shack, letters, etc. Paste them all over cousin Emma's fern. S. Nussbaum, 1440 50th Street, Brooklyn, N. Y. 11219.

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