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S9

JULY 1964

50c

the citizens band journal

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The OFFICIAL CB RADIO MAGAZINE

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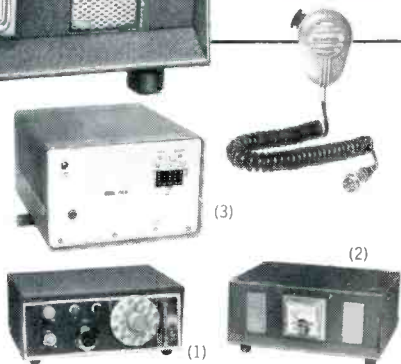
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FEATURES

Anybody You Know? Tom Kneitel, KBG4303 7
 Also, the truth behind H.R. 6697.

Citizens Banned! Maurice Hindin, W6EUV 9
 Your neighbors can legally put you off the air.

Build The "D.F. SNIFFER" Vince Crummles, 12Q1291 14
 A simple direction finder for CB.

Is That What's Bothering You? 17
 Sick.

Project: "EMERGENCY" Mark Tapley, 10W3140 19
 Keep your mobile unit ready for all occasions.

Build The Razor Blade Radio John Borkman, 12W1919 22
 Put those "boop-boops" to use.

Confusion Compounded The Ol' Timer 25
 Another interview with Joe CB'er.

Kookie CB Callsigns Ken Katz 26
 Do you know about the 200 CB call prefixes?

SURPRISE!!! 35
 We won't stick you this summer—lookie here!

Marine CB Antennas Len Buckwalter, KBA4480 38
 In time with the season.

CB Club Calendar John Krejc, KBI8077 40
 Allkinds CB Jamborees listed here.

DEPARTMENTS

Reader Mail 4

Editorial/Tom Kneitel, KBG4303 7

On The Counters 29

Lab Reports 31

Washington Outlook 56

Canadian CB Capers/John Burnup, XM49-405 36

CB Chit Chat/John Krejc, KBI8077 41

Antennas/Len Buckwalter, KBA4480 38

Card Swappers 48

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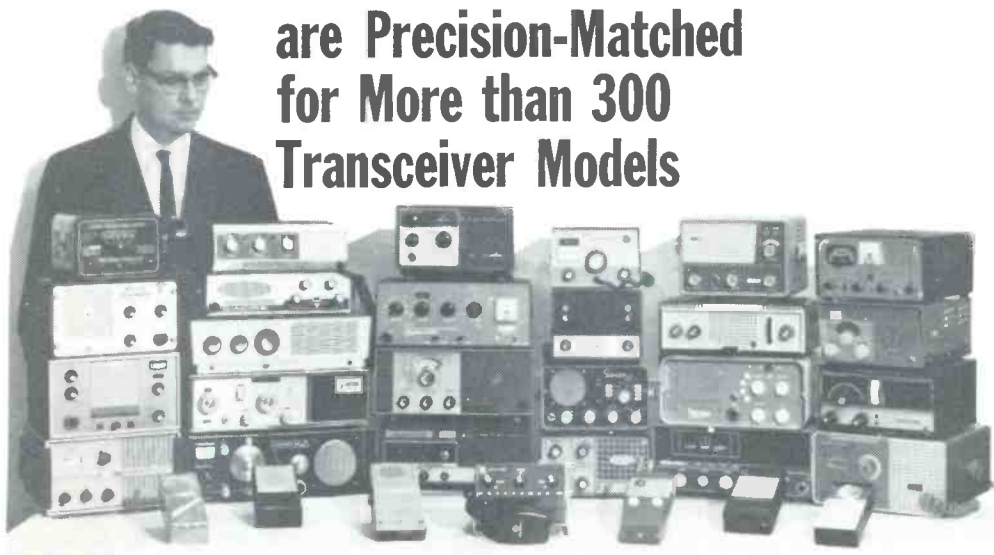
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READER MAIL

THE LIGHT OF TRUTH

Dear Tom:

I took a sharp blast at S9 on page 23 of the March issue of *ACBA Journal*. I still wish all you guys could get together and help CB radio on a nation-wide basis. However, I am the first to see my mistakes and the first to come forward and say that when I am wrong in taking off at someone as I did against S9 and I want to say that I am very sorry that I did so.

I am one member of ACBA who likes S9 and I read each issue over and over, as it is a helpful magazine to a CB'er. Keep up the good work you are doing and maybe some day ACBA or some other outfit will work out and we can really have a national group with some "buts" behind it that we can look to help answer our questions.

I have been keeping up with your reports month by month on ACBA and I want to say that after talking to the President of this group in person on Sunday, May 3, and again on May 11th via telephone, that I am not, very happy about what is going on. I am enclosing a copy of a letter which I have just sent out to members of the Lakeland Citizens Radio Net of Dane County, Wisc. I hope that it will be possible for you to print both this letter and the enclosed one in S9. I want all the readers of S9 to know how a member of ACBA, like myself, really feels about this matter.

Roger Alan Mott, KHC2661
ACBA Member #945
Madison, Wisc.

The following is the letter which Roger sent to LCRN members:

Dear Members of Lakeland Citizens Radio Net, Inc.:

Is the ACBA on the up and up? Is it for real? Will it help CB radio? These are just a few of the questions I have been asking myself of late. Why, you ask, am I the only member in the Madison area who belongs to ACBA, asking these questions? I'll tell you why.

As Mr. Ralph L. Johnson, President of ACBA, said at our last Lakeland meeting, "We have fired the guys who took the money, etc." But if you have seen this month's issue of S9 they tell you that the President will get \$12,000 a year. This alone is not the whole amount to be paid out to people in the ACBA office. Two other positions would cost \$9,000 a year. That's a total of \$21,000 a year. Mr. Johnson did say that no monies for these positions would be paid out until the ACBA is in the clear. When will that be? He said that it is several thousand dollars behind now.

I am behind the meaning of what ACBA wants to do for CB radio in a national way. It however remains to be seen if ACBA will really pan out and be able to really help us.

Yes, I am but one member of ACBA, and at present the only one in the Madison area, but, I too can ask questions and try to find out the answers. Hell, now that I can recall it, I never did get a form to vote for any officers of the ACBA.

To finish this letter to you members of LCRN, I want to say that I can and shall ask questions concerning any association that I belong to and hope that the smoke clears up. In the April issue of *ACBA Journal* is a letter from Mr. Johnson to a Mr. Ernest Walker in which in one place he tells him that he would be happy to again accept his application to join ACBA "if you promise to discontinue the attacks on us and that you promise to fall in line with the present efforts and aims of ACBA."

I am saying right now that no one will tell me what to say or what to do when I want to ask some questions

on this matter or any other matter. After all, this is still America isn't it? A person should always have a right to his views.

You members think this over. I'll not tell you join ACBA. It's up to you. If you think it's going places then get in and see for yourself. I don't know for sure if I'll sign up again or not. Maybe the President will say that he will not accept my application because of this letter. Maybe in the long run ACBA will work out. I sure could use another job at \$12,000 a year. But I'd let the members at least vote on it first. What do you think?

Roger Alan Mott, KHC2661
Member LCRN, Inc. and ACBA

Roger, your letter was typical of a number of letters which came into our office after the April ACBA Journal appeared. It seems as though many ACBA members are beginning to put two and two together.

Dear KBG4303:

I was sent a copy of something called *CB Magazine* today and it reminded me to send my \$5.00 to S9 Magazine. I only know what I read and after comparing both publications I'll put my \$5.00 on the winner.

Robert L. Adams, KLA1702
Napa, Calif.

Dear T.K.:

The puny efforts of the Johnny-come-lately so-called *CB Magazine* to attack S9 and thereby start up a feud are laughable. With all of their fancy words and big talk, we all remember that the people who run *CB Magazine* are the same *CB Horizons* gang who tried to ram ACBA down our throats a few months ago (even though now they pretend to dislike ACBA), the same ones who (when they were at CBH) accepted our money for callbooks and subscriptions which were never mailed out, and the same ones who violently attacked FCC officials (calling them *office boys*) under the *CB Horizons* banner. Do they think that they are fooling anybody by switching their corporate name and trying to change their tune just because things got a little "hot" for them (and I don't mean the fire which burned down the building which housed *CB Horizons*). They now plead with us to subscribe to their poorly presented collection of old *CB Horizons* reprint articles, sending their magazines to people who don't even want them. Guess a leopard never changes its spots. I'll not bite again—and neither will any of the local CB'ers.

Karl Lyon, 2A4671
Montclair, N.J.

Karl, two officers of CB Magazine came to Tom Kneitel's house not long ago and admitted that their "hate the ACBA" policy was intended to create a good feeling between their new publication and S9. They neglected to comment on why they stood by and permitted CB'ers to waste thousands of dollars in joining the ACBA while they were on the staff of CBH only a few short months before. They also neglected to mention that they intended filling their new magazine with old CB Horizons articles (including one by Tom) without the authorizations of the authors.

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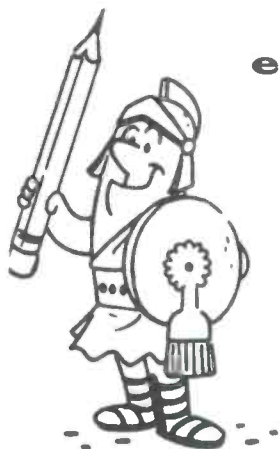
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editorial

KBG4303 rides again!

by TOM KNEITEL
EDITOR, S9

ANYBODY YOU KNOW

There are some practices on CB that to us do not smell so good. We observe some of these fellows with dead carriers on the air for hours, the fellows who deliberately jam, the loudmouths who never seem to cease their interminable tirades of unprintable words, those who deliberately overmodulate and thereby occupy 3 (or more) channels, the skip workers, the adenoidal "breakers," the overtime gabbers, and you know the rest. Awfully unsporting, we think, taking a slice of radio spectrum and using it that way to nobody's advantage.

In the days when there were few stations on the air and when equipment was temperamental-to-operate, it was well enough to have the easy-going idea that any calibre of operation and signal was satisfactory if only it stayed within the edges of the band. But we have long since outgrown that notion. There are too many of us and our channels are too crowded. Moreover, there is no longer any reasonable excuse for it, so improved are both our apparatus and technique.

Whenever we get together we talk about these conditions. We all realize that the conditions seem to be growing worse with each additional station that hits the other. Of course some of these are operating evils, the sort that a *lid* operator can create with a perfectly FCC-acceptable signal.

Did it ever occur to you that practically every one of these burdensome slurs against CB is also in violation of federal radio regulations? During visits to Washington we had opportunities to inspect some of the CB citations as they flowed through the FCC mill. When you consider that, at very least, receiving an FCC citation invites the annoyance of explaining to the FCC the situation and the steps taken to correct it, it seems that it would certainly be easier to operate prop-

erly in the first place—if for nothing more than self respect and the pride of being known as a good operator.

Many CB'ers complain that the FCC is "down" on the service, that they are constantly picking on CB operators. Our opinion is that this is not the grim hand of an unkindly government. It is a simple police system at work in our own interests. While every now and then some poor innocent bystander gets dredged up into their mauling machine (and this is corrected after explanations are made), think of the immense snarl if there were *no* regulations and/or nobody to enforce them. Perhaps it is truly said that the only people who complain about the cop on the corner are those who speed; those who look for protection are glad that he's around. The FCC monitors, however, are understaffed and it is possible to have some obnoxious clod annoying everyone for months or years, apparently without FCC detection. Why do *you* stand for this. Why don't *you* take some action—either as individuals or as a group (club) venture?

The success of these people in their being annoying, depends to a pretty big extent on their contacting other stations. If you would ignore them then perhaps they would go away—quietly or otherwise—but at least go away! It's time we rose in righteous indignation to demand, for our own good, that these lawbreakers either operate properly or get off the band before they do any additional damage to the CB service in the eyes of the FCC and the general public.

WIN A CB RIG

Bernie Sussman, Sales Manager at United Scientific Laboratories, is looking for model names for some of their new CB rigs. If you want to submit a name for consideration,

Continued on page 58

INTERNATIONAL FREQUENCY METERS

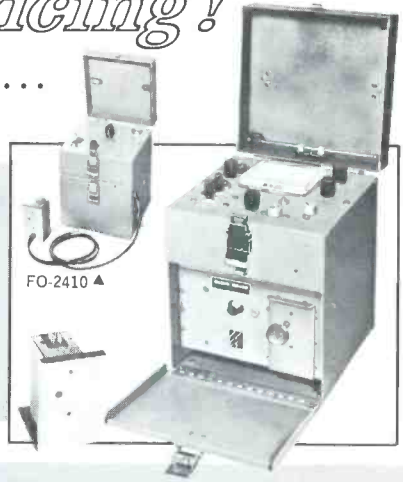
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FM-5000 with batteries, accessories and complete instruction manual, less oscillators, and crystals. Shipping weight: 18 lbs. Cat. No. 620-103 \$375.00
 Plug-in oscillators with crystal \$16.00 to \$50.00



FO-2410 ▲



C-12B FREQUENCY METER For Citizens Band Servicing

This extremely portable secondary frequency standard is a self contained unit for servicing radio transmitters and receivers used in the 27 mc Citizens Band. The meter is capable of holding 24 crystals and comes with 23 crystals installed. The 23 crystals cover Channel 1 through 23. The frequency stability of the C-12B is $\pm .0025\%$ 32°F to 125°F , $.0015\%$ 50° to 100°F . Other features include a transistorized frequency counter circuit, AM percentage modulation checker and power output meter.

C-12B complete with PK (pick-off) box, dummy load and connecting cable, crystals and batteries. Shipping weight: 9 lbs. Cat. No. 620-101 \$300.00

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C-12 complete, but less crystals. Shipping weight: 9 lbs. Cat. No. 620-100 . . \$69.50



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The International C-12M is a portable secondary standard for servicing radio transmitters and receivers used in the 2 mc to 15 mc range. The meter has sockets for 24 crystals. The frequency stability is $\pm .0025\%$ 32° to 125°F , $\pm .0015\%$ 50° to 100°F . The C-12M has a built-in transistorized frequency counter circuit, AM percentage modulation checker and modulation carrier and relative percentage field strength.

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18 NORTH LEE OKLAHOMA CITY, OKLAHOMA

Citizens Banned!!

**YOU COULD BE FORCED TO END CB OPERATION,
EVEN ON YOUR OWN PROPERTY!**

by **MAURICE J. HINDIN, W6EUV**

From time to time the struggle for power between the Federal Government and the individual states and other political subdivisions of the states has erupted into court cases. A different type of problem has recently developed which has already affected amateur radio operators and which will in all likelihood affect citizens band operators as well. This problem is the legal effect of deed restrictions limiting or prohibiting the use of radio equipment on the property in an attempt to provide for private regulation of radio equipment and with, no doubt, the basic idea of eliminating radio and television interferences, many new subdivisions and tracts have caused deed restrictions to be placed or record, limiting or prohibiting the use of transmitting equipment on the property. The problem as it effects citizens band operation concerns itself, of course, primarily with the citizens band operator whose home (be it leased or owned by him) is subject to such a deed restriction.

THE PROBLEM

When a person buys a piece of real property, title or ownership to the property is transferred to him by a legal instrument known as a deed. The deed transfers ownership of the land, but the deed is given subject to existing covenants, conditions and restrictions of record. Covenants, conditions, and restrictions of record mean that at some time prior to the immediate purchase of the land, previous owners entered into an agreement whereby they agreed that the land would never be used in a particular way or for particular purposes. Typical of these deed restrictions or covenants running with the land are restrictions that the property may never be used except as a single dwelling house or that no commercial business will ever be conducted on the premises, or that no building will ever be constructed with less than a given number of square feet, or

that no fences will ever be constructed higher than a specified height, or that these premises will never be occupied by persons of a particular race or color.

These restrictions or covenants running with the land are treated by the courts as a binding contract between the original owner and each subsequent owner of the property. The deed restrictions may be enforced, with certain exceptions, by the courts. If a person buys a piece of property with a deeded restriction of record, and he violates the deeded restrictions, at least three legal actions may be taken against him. They are: (1) An injunction can be sought through the courts by either the original owner or a prior owner or other neighbors to enjoin or prevent him from violating the restrictive covenants; (2) An injunction can be sought through the courts which will require him to abate or remove the thing which represents the breach of the restrictive covenant; or (3) An action may be maintained to declare a forfeiture of the property, thereby causing the title to revert to the original owner.

It can readily be seen, therefore, that a person who buys a piece of property may inadvertently find himself involved in litigation, which could jeopardize his investment, as well as preventing him from making a particular use of the property. The danger arises because the average purchaser of real property has never informed himself of the actual existing restrictions, covenants and conditions affecting his land. They do not normally ever appear in a deed and, likewise, they are generally of no concern to a lending institution which may finance the purchase of the property. A person may readily buy a piece of property and never be aware that the property is subject to any particular restrictions as to its use.

While the author is not aware of any cases as yet involving citizens band operators, within the last several years a number of amateurs have been suddenly confronted with the problem of a deed restrictions actually prohibiting their use of the land for an amateur radio station, or imposing such ad-

ditional restrictions as to make it virtually impossible for them to operate an amateur radio station without being in violation of a deed restrictions.

Operators so affected have, in many instances, been confronted with deed restrictions or restrictive covenants which: (1) Expressly prohibit the operation of a radio station on the property. (2) Prohibit the use of the property for a radio station unless and until an association of land owners approves the use and design of such equipment. (3) Prohibit the erection of *any* radio transmitting or receiving antennas unless the design of the antenna is approved by the board. (4) Restrict the height of an antenna to a specified height, very often twenty or thirty feet.¹ (5) Require *in addition* to a Federal Communications Commission license, a permit from the land owners association board or other specified group.

The experience of many operators has been that wherever permission to operate a radio station is required, all types of unreasonable restrictions have been imposed by the various boards or property owners' committees.

While the stated purpose of the restrictive

1. The height restriction referred to in this article should not be confused with the limitations as to antenna heights specified by the FCC in connection with its regulation relating to citizens band equipment.

covenants is to preserve the property values and integrity of the community, the actual purpose is to prevent radio operators from operating in those areas.

THE PREVENTION

The existence of restrictive covenants presents certain legal problems which are unique and extremely difficult to correct. While restrictions on amateur radio activities, which are imposed by cities, counties, or other political subdivisions of a state, are to be tested by the courts primarily with reference to their relation to interstate commerce, no such safeguard exists with reference to restrictive covenants. A restrictive covenant is, in effect, a private contract between the owner of the property and former owners. If a person, by contract, agrees to forego his right to participate in amateur radio activity, that, in effect, is a matter of private contract, and it is quite different from the situation where a city or county imposes against his will a restriction against his participation in his hobby. The legal problems, therefore, attendant to a restrictive covenant which prohibits radio activity or imposes excessive burdens on it, become an extremely difficult problem. It would, therefore, seem that prevention of the problem is to be desired rather than attempting a cure. Prevention is not

only the smart thing to do, but is it likewise the economical thing to do. Several specific suggestions with reference to the prevention of entanglements with restrictive covenants might be helpful.

If you plan to buy a home or move to a new location, take the following steps: (1) Before you purchase a new home or property upon which you plan to build a new home, secure from either the person selling you the property or from the County Recorder where the land is purchased, a complete set of the covenants, conditions and restrictions affecting the property of record. (2) Read the conditions, covenants and restrictions carefully, and if there is anything in the restrictions which refers to height limits of structures, use of the property, whether or not it directly mentions radio, discuss the meaning of the restrictions with either an attorney or a representative of a title company, or someone well versed in the technical meaning of the covenants, conditions and restrictions. (3) If there is any doubt as to whether or not the restrictions could be reasonably construed as preventing the erection of an adequate antenna or the use of the property for radio use, do not buy the property unless you are willing to take the risk of litigation.



**LET'S CLEAR THE AIR
About C/B Crystals**

TO THE CITIZENS BAND USER WHO KNOWS AND WANTS THE VERY BEST: Today's James Knights Citizens Band Crystals are built with the same care that is exercised in the production of crystals used in space programs and by the Army, Navy, Air Force and other discriminating users. All Golden Line Crystals exceed the industry standard, set up in the Military Specification MIL-3098. All crystals including Citizens Band, are unconditionally guaranteed.

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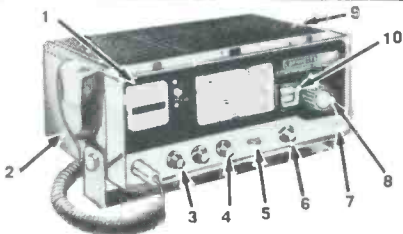


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3. Variable Floating Series Gate Noise Limiter
4. Adjustable Squelch
5. Range Boost ON-OFF
6. Delta Tuning For Increased Crystal Tuning Accuracy
7. Phone Jack for External Earphones or External Speaker
8. Channel Selector
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With the HB-333 Lafayette advances CB transmission to a new high. Try it yourself and you'll know why it welcomes comparison.

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- ★ "Range Boost" Ensures 100% Modulated Double Sideband with Full Carrier At All Voice Levels — Plus — Dependable AVC, Noise Suppression, Squelch and Excellent Voice Recovery All The Way Out to Maximum Range!
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- ★ 12 Tuned IF Circuits For Exceptional Selectivity!
- ★ 2 Nuvistors (RF and Mixer Stages) Plus 11 Tubes, 4 Silicon Diodes, and 1 Zener Diode!

LAFAYETTE LEADS in CITIZENS BAND

LAFAYETTE DELUXE DUAL-CONVERSION C.B. TRANSCEIVER

- Super Selectivity, Sensitivity and Stability
- 9 Tubes plus 3 Silicon Diodes plus 2 Crystal Diodes for 17 Tube Performance
- Built-in 117V AC Power Supply and 12V DC Mobile Transistorized Power Supply
- With Bracket Handle, Push-to-Talk Ceramic Mike, Transmit and Receive Crystals for Channel 15 plus Crystal for Dual Conversion



Model HB-111

Made in U.S.A.

129⁵⁰

\$13.00 Down

As Little As
\$6.00 Monthly

LAFAYETTE HE-20C DELUXE C.B. TRANSCEIVER



109⁵⁰

\$11.00 Down
\$9.00 Monthly

- 8 Crystal Receive Positions, 8 Crystal Transmit Positions
- Built-in Selective Call Circuitry and Socket
- 14 Tube Performance
- Built-in 12 or 6-Volt Power Supply
- With Push-to-Talk Ceramic Mike, Channel 9 Transmit and Receive Crystals

Officially Approved
for Use in
CANADA
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LAFAYETTE 23-CHANNEL CRYSTAL-CONTROLLED C.B. TRANSCEIVER

- 23-Channel Crystal-Controlled Receiver & Transmitter—All Crystals Supplied
- Dual Conversion Superhet Receiver Uses 1650 KC and 282 KC IF's for High Selectivity and Sensitivity
- 10 Tubes plus 3 Silicon Power Rectifiers for 17 Tube Performance

HB-222

169⁵⁰

\$17.00 Down
As Little As
\$8.00 Monthly

Made in U.S.A.

LAFAYETTE HB-115 PUSH-TO-TALK C.B. TRANSCEIVER



Made in U.S.A.

59⁹⁵

HB-115

- 8 Crystal-Controlled Transmit Positions
- Tunable Superheterodyne Receiver Over All 23 Channels
- Pi-Network for Maximum Power Output
- With Push-to-Talk Ceramic Microphone, Mounting Bracket, Channel 15 Transmit Crystal

MORE FEATURES...MORE RELIABLE MORE PERFORMANCE...MORE STYLE

LAFAYETTE HE-75
1-WATT
13-TRANSISTOR
"WALKIE TALKIE"

66⁵⁰

2 for 129.00

Imported

- Variable Squelch Circuit
- Crystal-Controlled Receiver and Transmit
- Uses Powerful Silicon Output Transistors
- Push-Pull Audio Output
- Runs on Penlight cells or Optional Nickel Cadmium Rechargeable Battery Pack
- Meets FCC Requirements for Licensed Operation Part 19



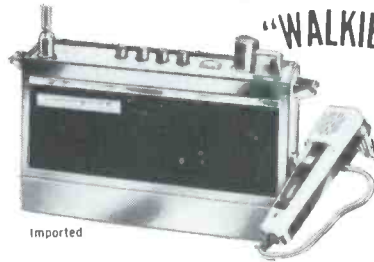
NEW LAFAYETTE MODEL HA-150
1-WATT 2-CHANNEL SUPER

"WALKIE TALKIE"

79⁹⁵

2 For 154.95

Imported



- Lightweight, Compact . . . Self-Contained with Leather Case and Shoulder Strap

- External Push-to-Talk Dynamic Microphone for Greater Range
- Modulation Battery Strength Meter
- Powerful 13-Transistor 5 Diode Circuit
- Push-Button Operation
- Powered By Flashlight Batteries or External 12 VDC Supply
- Complete with 2-Pair Transmit/Receiver Crystals

FOR THE YOUNGSTERS
NEW! HA-70 3 TRANSISTOR

"WALKIE TALKIE"

Imported



2 for 21.00

10⁹⁵

- Range Up to 1/4 Mile
- Effective Super-Regen Circuit
- Completely Wired-Ready to Operate

NEW! LAFAYETTE
HE-29C 9-TRANSISTOR
CB "WALKIE TALKIE"



Imported

25⁹⁵

2 for 49.95

- Transmits & Receives up to 1.5 Miles
- Push-To-Talk Operation
- Crystal-Control on Both Transmit & Receive
- 115V to 9V Power Pack Optional At Extra Cost
- Complete with Earphone, Leather Case, Antenna and Penlight Batteries
- No License Required (FCC Reg., Pt. 15)

LAFAYETTE HE-100
12-TRANSISTOR
"WALKIE TALKIE"

with Noise Squelch

39⁹⁵

2 for 78.88

Imported



- Separate Microphone and Speaker for Better Modulation and Increased Range
- Crystal-Controlled Transmit & Receive
- Superior Receiver Has AVC, Push-Pull Audio Output
- Optional Plug-In 117 volt power pack
- Complete with Leather Case, Earphone Batteries and Antenna
- No License Required (FCC Reg. Pt. 15)

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YOUR FREE
1964 LAFAYETTE
CATALOG



The DF Sniffer

A PORTABLE DIRECTION FINDER FOR CB

by VINCENT CRUMMLES, 12Q1291

Previous articles in S9 described direction finding ("DF") loop attachments to be used with existing CB equipment.^{1, 2} Nevertheless, a number of CB'ers are still reluctant to dig into and modify the *kishkas* (that means "intestines," gang) of their CB gear. Inasmuch as there is always use for an easy method of 11 meter DF'ing, such as for search and rescue, tracking down "mystery" bootleg stations, or for Part 15 hidden transmitter hunts, we have whipped up a simple DF unit which is a *complete*, portable, and self contained CB receiver and DF loop antenna. It can be constructed with a minimum of time and effort and with a handful of inexpensive parts.

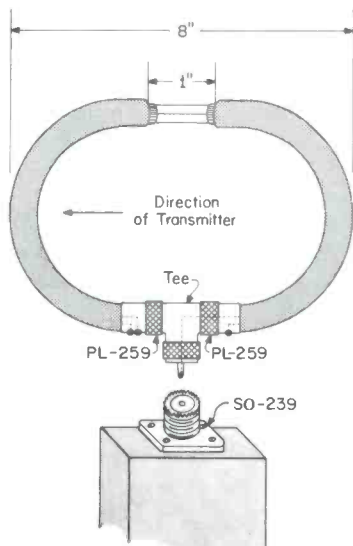
Before we get along with the construction of the D.F. SNIFFER, perhaps we should thank the FCC for originating a piece of gear which was the inspiration for our device. One of the standard tools of the FCC investigator is known as the R.F. SNIFFER—a low sensitivity receiver used to complete the close-in final trackdown of a sought-after transmitter. An FCC R.F. SNIFFER was one of the equipments used to locate the transmitter of a CB'er who recently lost his license because of improper operation.³

CONSTRUCTION

The only two electronic components of any consequence in the circuit are the 1N34A (30¢) diode and the RCA 2N372 (80¢) transistor. It's really a snap to build, and just about any size box will do—I used a Bud CU-3003-A (4" x 2¼" x 2¼") *Minibox*.

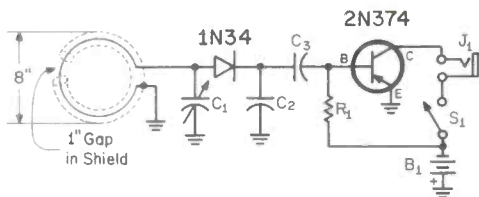
1. "Build The CB D.F.'er," Girard, S9, Oct. '62, p. 17.
2. "CB Direction Finding Loops," Crummles, S9, Dec. '63, p. 23.
3. Washington Outlook, S9, Oct. '63, p. 55.

The loop is made from a length of RG-8/U coaxial cable. A 1 inch swath of the cable's copper shielding is removed to form a gap at the top of the loop—this is important. Male PL-259 coax connectors are attached to each side of the loop as they both fit into a "tee" connector. One side of the loop is connected to the PL-259 in the standard manner, but in the other, the shield is shorted to the center conductor, so that the PL-259 at that end has no connection to its center prong. While



Detail of the loop.

it makes for a lopsided circuit, it gives a nice bi-directional null reading as well as an easily readable maximum reading when the grounded side of the loop is pointed towards the transmitter being sought.



PARTS LIST

- C₁** 35 uuf midget air capacitor (Hammarlund MAPC-35)
C₂ .005 uf capacitor (Sprague TG-D50)
C₃ .1 uf capacitor (Sprague 192P10492)
R₁ 150 K-ohm, ½-watt resistor (IRC GBT-½ 150K)
B₁ 3 volt battery (RCA VS-148 Mercury type)
S₁ SPST toggle (Cutler-Hammer 8280-K16)
J₁ headphone jack, as applicable
Misc: 2 PL-259 coax connectors, 1 "Tee" coax connector, 1 50-239 coax receptacle, RG-8/U coaxial cable, hookup wire, high impedance headset or earphone, 1 1N34 diode, 1 2N372 RCA transistor, Bud CU-3003-A Minibox.

High impedance headphones are used with the circuit, and we found that a hearing aid type earphone (such as Lafayette's *Argonne* AR-46, which sells for \$1.39 and includes the matching miniature jack receptacle) was convenient and didn't take up much space when storing the D.F. SNIFFER. Be sure to insulate the headphone jack from the metal case.

HINTS

Put a strip of white tape around the "grounded" side of the loop so you will be easily able to determine which side of the loop is pointing to the station being heard.

At the 1 inch gap atop the loop, leave the white poly coax insulation remaining over the center conductor. The gap may be covered over with *Scotch Brand* electrical tape to protect it and to improve its appearance.

Peak up the unit by means of C₁. Because it is relatively insensitive, you will pick up only signals in the immediate vicinity of your D.F. SNIFFER (about a mile or less). You can peak it up on your own transmitter on Channel 9, which should be adequate for just about any station you will ever monitor. Peak for maximum signal strength as monitored in the headphones, but better stay a few hundred feet from the transmitter so that you don't overload the D.F. SNIFFER. By the way, if you hope to track down anybody with this thing in the immediate area of a broadcasting station, forget it—the station will saturate the D.F. SNIFFER's circuit.

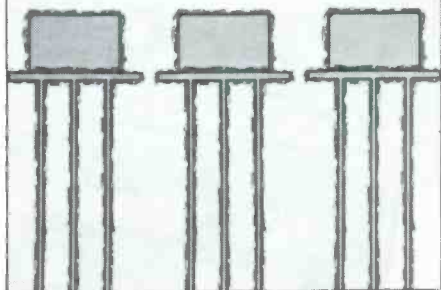


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Tom Kneitel



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 "JUST GREAT"
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Courier 23

23 CHANNELS
23 FEATURES
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Gentlemen: Please send all information concerning the COURIER 23.

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\$189⁵⁰

slightly higher west of Rockies

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



e.c.i. electronics communications, inc. 325 no. macquesten pkwy., mt. vernon, n. y.

IS THAT WHAT'S TROUBLING YOU?

With apologies to Eddie Lawrence, "The Old Philosopher."

Say Cousin!

You say you bet on the Mets,
And when you told your boss you'd like to go to the game he made you buy his old Edsel,
And you left the top down and it rained . . .
All over your new Courier.
Is that what's troubling you?

Hey Bunky!

You say some local CB'ers as a joke stuck an ad in S9,
And said you were selling your new Browning base station for \$50,
And the phone didn't stop ringing for 5 weeks;
And you received your order of QSL cards, 3000 of them, 4 colors,
And your call is printed wrong on every one of them;
And the fellow you promised to swap cards with, but couldn't—
He just called to say he's coming over to punch you in the nose.
Is that what ails you?

Hard-Luck Buddy,

You say somebody just tossed a rock through your window . . .
With a TVI complaint attached!
And you were joking with a guy about a 250 watt CB rig,
And he reported you to the FCC,
And an investigator just walked in to your shack,
And heard you signing off with a Venezuelan!
Is that why you're banging your head against the wall?

You again?

You say that the fellow you met at the Jamboree and invited to "drop in" just showed up,
With his XYL and 9 kids,
And two mean chow dogs,
And they're staying for a week!
And you told him he could be your "unit 2,"
And he worked 18 stations in Red China,
And the FCC is calling you a threat to national security,
And the State Department wants to deport you—to Albania.
Is that why you're quivering?

Hey Miserable!

You say you sent money to CB Horizons,
And the next day they stopped publishing,
So last month you subscribed to a new CB magazine,
And now you hear *they* may call it quits too?
So, for a feeling of belonging, you joined the ACBA,*
And they said they were sending a representative to the FCC,
And someone told you it was to burn down the building,
And one of the FCC Commissioners is your uncle,
And he never liked you to begin with.
Is that why you're shaking friend?



Well, lift up your head, face the world, never give up the ship! No! Never! You can make it!
You'll show them all!

Yes, subscribe to S9! March down to the mailbox, the wind and rain in your face; proudly;
defiantly; rising above past failures; secure that you've finally chosen a winner!

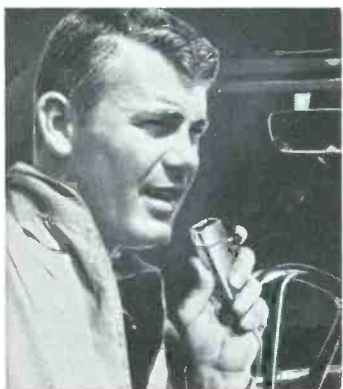
Then go home, tell your mother-in-law you'd rather do it yourself; buy a new rig and install
it on your XYL's best table; call your boss and demand a raise . . . THIS is the start
of a new life for you, at long last!

* Armenian Corn Bread Addicts

any*

Yes, in any CB application...you'll outperform 'em all with a

MESSENGER®



Your own 2-way radio for Business or Personal use!



"PERSONAL MESSENGERS"—Compact, hand-held 100 milliwatt or 1½ watt units! Rugged and reliable—11 transistors, 4 diodes. Twice the sensitivity and 40% more range than similar units with conventional circuitry—more output than similar units with same rated inputs!

Cat. No. 242-101.....100 Milliwatts..... \$109.50 Net
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"MESSENGER" AND "MESSENGER TWO"—For mobile or base stations. High efficiency design makes full use of maximum allowable legal power. Excellent receiver sensitivity and selectivity. Automatic "squelch" control. 5 crystal controlled channels on the "Messenger" and 10 crystal controlled channels plus tunable receiver on the "Messenger Two".

"MESSENGER"

Cat. No. 242-127
 115 VAC/6 VDC.....\$114.95 Net
 Cat. No. 242-128
 115 VAC/12 VDC....\$114.95 Net

"MESSENGER TWO"

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 115 VAC/6 VDC.....\$169.95 Net
 Cat. No. 242-163
 115 VAC/12 VDC....\$169.95 Net

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

Cat. No. 242-150.....12 Volts DC Messenger III..... \$189.95 Net
 Cat. No. 250-823.....117 Volt AC Power Supply.....\$ 29.95 Net

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Subscription form between pages 48 and 49!

Project EMERGENCY

ARE YOU READY TO OFFER AID ON THE HIGHWAY?

by MARK TAPLEY, 10W3140

CB'ers have always been anxious to offer aid to those unfortunate distressed motorists who seem to dot the highways both winter and summer. While the spirit is willing, far too often we find that friend CB'er pops on the scene unprepared to offer any real help, other than trying to "raise someone on the rig to send for help."

WHAT YOU CAN DO

Actually, there are a number of products on the market which you can keep in your trunk to accomplish several ultimate ends, such as: 1) aiding distressed motorists, and 2) warning off rapidly moving vehicles who are approaching a vehicle which is stopped along a highway. We decided to check with some of the local "emergency aid" CB clubs and with some CB'ers who always seem to be on the spot with quick aid on the highways. We ended up with a long list of items, many of which you have around the house, or might possibly already have in your mobile unit. We also came up with some items which you probably don't have (and might not have an easy time obtaining locally).

YOU MIGHT ALREADY HAVE

Your vehicle *should* be equipped with sufficient tools to change a tire, a screw driver and pliers or wrench, a blanket, a flashlight, and a first-aid kit (with instructions on its use). These items should be in your car whether you intend to help others or just to drive along and mind your own business; these items are the necessities to meet your own emergencies.

NOW FOR THE EXTRAS

The extras are those items which you probably don't have but which can actually be put to use to save life and property. Since these items are not readily available in most localities we have been in contact

with the J. C. Whitney Company, 1917-A Archer Avenue, Chicago, Ill. 60616, the nation's leading auto accessory supplier, and have selected some of these items from their vast catalogue. The folks at Whitney's tell us that they will be happy to give prompt attention (same day service) to community service minded S9 readers who want to equip their mobile units with these items. All products are fully guaranteed (or your money back).

HELP THE OTHER FELLOW

In order to offer aid to other motorists in trouble we are told by those CB'ers in the know that the following items should be carried:



INSTANT SPARE. An aerosol container to give emergency flat tire repairs. The can screws into the tire valve and not only inflates the tire but coats the inner tube with a latex sealant to repair the torn spot. The 12 oz. can supplies 22 lbs. of pressure, repairs the tire in about 2 minutes. Price is only \$2.50, postpaid.

TIRE TRACTION.

This product provides instant tire traction, eliminates wheel spin on any slick, icy surface. It does not break up under pressure, it will not blow or scatter, it's harmless to tires, paint finish on car, clothing, lawn or concrete. One can offers many applications and can help in assisting many vehicles back onto the road. Price is only \$2.50, postpaid.



EMERGENCY GAS CAN.

A plastic blitz-type gas can, rigid and unbreakable, which will not rust, leak, or dent. Comes with flexible plastic pouring spout, carrying handle, vent cap, and base grip for pouring ease. 1 gallon price is only \$2.50; 2½ gallon is \$3.50; 5 gallon is \$6.00 postpaid.



FIRE EXTINGUISHER.

Small but effective against all types of fires including electrical. Does not corrode or deteriorate and will not require inspection or recharging until used. It contains a new gas, Chlorobromomethane, which is highly efficient and less toxic than carbon tetrachloride. Extinguisher comes with instruction booklet. Price only \$6.00 postpaid.

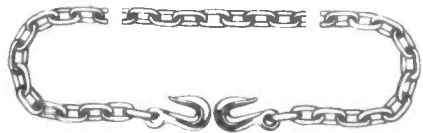


BATTERY BOOSTER CABLES. Heavy duty 8 to 12 foot 4-gauge copper or aluminum wire cables, each with oil, water, and grease resistant neoprene insulated cover. All have large 6 inch copper coated clamps with plastic handles, color coded for quick identification. Used for letting the other vehicle use your battery when his has gone dead. Copper cables (per set) 12 feet, \$7.00; 8 feet, \$6.00. Aluminum cables 12 feet, \$5.50; 8 feet, \$4.00, all postpaid.



EMERGENCY OXYGEN.

Seamless high pressure aluminum cylinder contains about 5 gallons of pure U.S.P. oxygen. Laboratory tested and approved, no prescription is needed. Can be used with or without mask. Price only \$6.00 postpaid.



UTILITY AND TOW CHAIN. Made of strong welded quarter inch steel links, 12 feet long with forged grab hooks at each end. Bright, rust resistant, clearlac finish. This has many uses other than towing cars out of ditches. Price is only \$4.50, postpaid.

WARNING OTHER VEHICLES

There are many devices which are available to warn oncoming drivers of the scene of an accident or disabled vehicle. We suggest the use of any of the following items:



DANGER SIGN. A gigantic 2 foot wide by 16¾ inch high magnetic sign which reads "DANGER" in wide, vivid, fire-orange fluorescent colors. Has glass beaded vinyl coated surface which

Continued on page 58



INCREASE PERFORMANCE

with *Master Mobile* QUALITY ENGINEERED
CB ANTENNAS AND MOUNTS



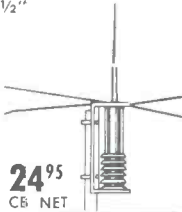
39⁹⁵
NET

Giant Q-11 BASE STATION CUBICAL QUAD

For Class D, 27-mc operation
Light but rugged, it increases
CB range. SPECIFICATIONS: 8
db Forward Gain; 40 db Front
to Back; 52 ohm coax Feed;
horizontal or vertical polariza-
tion; Longest Element, 9'3";
Boom, 65 1/2"

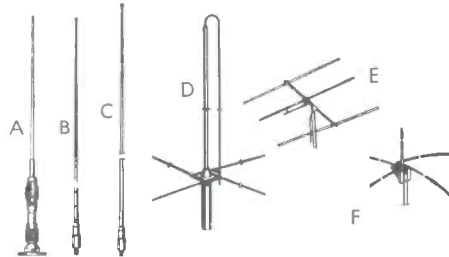
CB-5 GROUND PLANE

Half wave gives more gain than
1/4 wave without bulky trans-
formers. SPECIFICATIONS: VSWR
(50 ohm cable) 1.3:1 • Band-
width (under 2.1 VSWR) ± 4%
• 750 watts max. power input
• 50 ohm nominal input imp.
• Intl. feedline RG-8A/U
Termination SO. 239

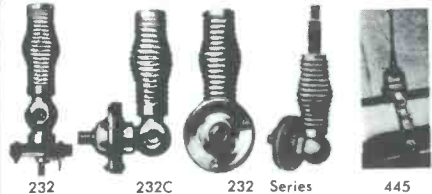


24⁹⁵
CB NET

A MODEL FOR EVERY NEED

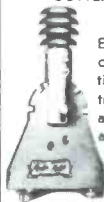


- A CB-1 Air Sentry "Shorty" — 23" overall with 18" whip — top loaded fiberglass — complete with spring, mount and 12 ft. coax cable. For auto CB use. **10⁹⁵**
- B CBS-311 mounts on top, fender or trunk lid. 52 ohms, 60 watts, RG 58 or equiv., 1.5 mc min., 1:1 to 1 at resonant frequency. For auto, plane or boat. **5²⁵**
- C FG-103 universal 103" fiberglass whip with 3/8" x 24 thread base fitting. **6⁹⁵**
(Not Shown) 100-1035 Stainless Steel 103" whip with 3/8" stud threaded to fit all mounts. **6⁹⁵**
- D SR-600-11 base station monopole for 11 meters. Radiating and ground plane elements grounded to reduce lightning damage. Write for specs. **24⁵⁰**
- E SR-500-11 3-element beam antenna with power gain approx. 2 1/2 (8DB) in forward direction — about 10 to 1 interference reduction from sides and rear. Handles up to 1 Kw input. 11 Meters **24⁹⁵**
- F CBGP-5 CB ground plane for transmitting and receiving. Designed for 52 ohm match. Telescopic 2-section elements can be installed in minutes. **15⁹⁵**



BASE MOUNT	DESCRIPTION	CB NET
232	D'ble Tapered Spring—Swivel Base	8.75
232C	D'ble Tapered Spring—Swivel Base Coax. Conn.	8.75
232SS	D'ble Tapered Spring—Spec. Stainless	12.95
232SSC	D'ble Tapered Spring—Spec. Stainless — Coax. Conn.	12.95
232X	Heavy Duty—D'ble Tapered Spring—Swivel Base	9.85
232XC	Heavy Duty—D'ble Tapered Spring—Coax. Conn.	9.85
232XSSC	Heavy Duty—D'ble Tapered Spring—Spec. Stainless — Coax. Conn.	14.95
232XSS	Heavy Duty—D'ble Tapered Spring—Spec. Stainless	14.95
232XX	Extra Heavy Duty Spring	10.85
232XXC	Extra Heavy Duty Spring—D'ble Tapered—Coax. Conn.	10.85
232XXSS	Extra Heavy Duty Spring—D'ble Tapered—Spec. Stainless	15.95
232XXSSC	Extra Heavy Duty Spring—D'ble Tapered—Spec. Stainless—Coax. Conn.	15.95
445	Universal Mount—Threaded, 3/8"-24—Chain Mount	7.95

GUTTER MOUNT CG-275



Eliminates hole drilling. Positive locking, retractable and adaptable for any 3/8" 24 thread whip. **7⁹⁵ NET**

UNIVERSAL MOUNT



TM-1 is Chrome plated alloy steel mount for any antenna with 3/8" 24 thread. **4⁴⁵ NET**

FOR TRUNK LID, COWL MOUNTING



MMM-75 is adjustable for any curved surface. Equipped with coaxial connector. **7⁹⁵ NET**

BUMPER MOUNT



MM-520 with shaped links adjustable to any width surface. For spring or whip double mount. **7⁹⁵ NET**

Pat. No. 3,100,241 **7⁹⁵ NET**
MM-519 S'gile Mt. 4.95

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DIV. OF



Ye Olde RAZOR BLADE RADIO

FOR THOSE READERS WHO WANT TO
START CONSTRUCTION FROM SCRATCH (OUCH!)

by JOHN G. BORKMAN, 12W1919

One common complaint I always hear from CB'ers is that they haven't had sufficient experience with electronic construction to build *any* projects. Or, they have had experience, but they don't own a junkbox or radio gear, from which to extract components for a new project.

THE SOLUTION

To keep these people happy, I have dug back into my old kit bag and come up with a radio receiver which even the *most* inexperienced novice can complete—*without* solder, *without* know-how, and using only a handful of non-electronic pieces of scrap from around the house. Looking at the parts list you will see a razor blade, a piece of pencil lead (carbon), nails, thumb tacks, paper clips, etc. Does it work? Ask any ham who was a dogface in Korea or World War II. We used to build these things in fox holes and could get reliable reception for 25 miles or more, depending on the complexity of the antenna and ground system used. If you want to have some fun; plus building a real pioneering type piece of "electronic gear" at *no* expense, why not put together the RAZOR BLADE RADIO, it could be the first of a long series of electronic gadgets you will build (as it was for me).

CONSTRUCTION

The schematic for our receiver is shown in Fig. 1. It will be recognized as that of a

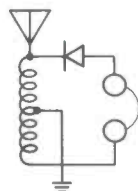


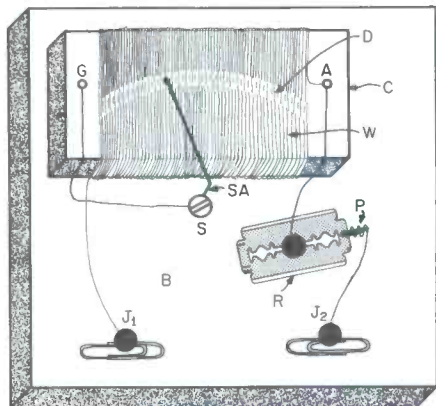
Fig. 1. Schematic of the Razor Blade Radio.

simple diode detector connected to a pair of headphones. So much for electronics (we don't want to scare you off).

The actual design of the receiver is shown in Fig. 2. If you follow its simple layout you should have no trouble getting fired up in an hour or so.

The longest antenna possible and a cold water pipe ground should really pull 'em in. If a long antenna isn't possible, try hooking the antenna lead to the chrome finger-stop on a telephone dial.

The detector is the piece of pencil lead wrapped with copper wire, resting lightly on the razor blade. Some adjustment of the location and pressure of the pencil lead on the blade may be required. We always used a double edged blade, so we can't tell you if a single edge job will work—but it *won't* work with an electric razor as a substitute. Also, for any wise guys out there, you won't get "sharper reception" with a new blade (anyway, nobody in a fox hole saw a new blade for months at a time, in fact, many



PARTS LIST & INSTRUCTIONS

- A**—This is a nail which is used as the antenna terminal, and also for holding the coil form to the baseboard.
- B**—The baseboard, a piece of wood (plywood or soft pine is OK) 1/4" thick, 4" square.
- C**—Coil form, 1/4" wood, 3 3/4" long, 2" wide.
- D**—Area of coil which will be touched by "SA," this should be scraped clean of insulation along the movement area at the tip of "SA."
- G**—This nail is used for the ground connection

and to fasten the coil form to the baseboard. It is also connected to "S."

- J**—Two copper paperclips which are used as jacks for the headphones. They are held in place by thumb tacks.
- P**—Pointed piece of pencil lead, wrapped with copper wire which is attached to J₂. The wire should be resilient enough to hold the lead in place on the blade (see text).
- R**—Razor blade held down by a thumb tack. Also attached to the tack is a wire which runs to the antenna terminal, "A".
- S**—Screw or nail which is used as the pivot for "SA," the switch arm.
- SA**—The switch arm, which is made from an opened up paper clip. Moving "SA" back and forth along "D" will enable you to change stations. Tune slowly and adjust "P" as described in the text for maximum results.
- W**—Coil winding on "C." This is approximately 175 turns of #26 insulated wire. One side is connected to the antenna terminal, the other side is connected to J₁.
- Misc.**—Wire; pair of 1,000 to 2,000 ohm headphones.

were the times when the radio had to be dismantled at shaving time).

So have fun, I hope that this little project will show you how simple it is to get started in electronic construction (without getting yourself into a lather, hi hi).



NEW ALLIANCE TENNA-ROTOR® for CB Installations

The patented-rigid-offset design distributes the load over a greater area and gives the rotator a superior strength to weight ratio. Ideal for use with amateur multiband (tribander type), and CB Beams.* This compact unit is stronger and lighter, therefore making it safer and easier to install. The Rotator unit is fully enclosed in a weatherproof, strong ribbed die-cast zinc housing. An important performance feature is the combination of the worm gear and magnetic brake, which has a high resistance to windmilling.

The completely transistorized Model C-225, solid state control features a patented phase-sensing electronic bridge circuit. All you do is turn the knob and the antenna will automatically sync to that direction.

If you can lift and mount your antenna on the Tenna-rotor, it will support it, hold it, and turn it.

*Recommended mounting one foot maximum above the rotator.

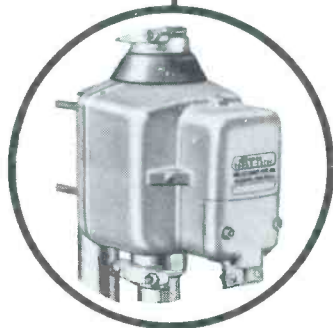
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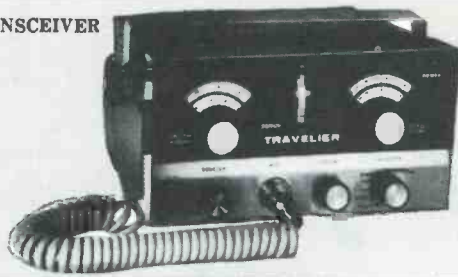


Model C-225

AC POWER SUPPLY



TRAVELIER TRANSCEIVER



TRAVELIER *transceiver*

Transmitter:

- 23 channel crystal controlled
- Power Output: 3.25 watts minimum

Receiver

- 9 tube superhet circuit with RF stage
- Sensitivity: .1 microvolt for a 6 db down signal-to-noise ratio
- 23 channel variable control

SATELLITE *base station*

Transmitter:

- 23 channel switching — Channel 9 crystal supplied
- Cathode-ray modulation indicator
- 3 tubes plus 3 silicon diodes
- 3 watt input—100% Heizing modulation

Receiver

- .1 microvolt sensitivity cascode amplifier
- Dual conversion IF — 10 mc. and 455 kc
- Highly readable 2 1/2" square "S" meter with front panel zeroing control
- Local-distance switch with audio compressor position to prevent overload from nearby stations
- 3 fixed receive channels with band-spread tuning and overall 23 channel continuous tuning
- 14 tube performance with 8 tubes and 5 diodes

Power SWR Meter:

- Measures RF power output into dummy load (52 Ohm)
- Measures maximum forward antenna current for antenna tuning — used in conjunction with reverse position — measures relative standing wave ratio (SWR)

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the exclusive 23 channel SATELLITE base station

Only Demco offers you a complete true Base Station and a new Mobile rig that has everything. Outstanding Demco quality is the result of specialization by the country's leading electronic experts in the CB field!

Both the Satellite and Travelier have 23 channel crystal controlled transmitters, and the Travelier also has four crystal controlled receive positions. No other manufacturer can give you all these features.

The Satellite Power Modulator, a compression audio amplifier, greatly increases your talk power when used with the Satellite Base Station or most other CB radios.

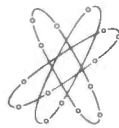
The matching AC Power Supply converts your Travelier to Base in a matter of seconds! No wiring, just plug in.

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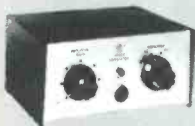
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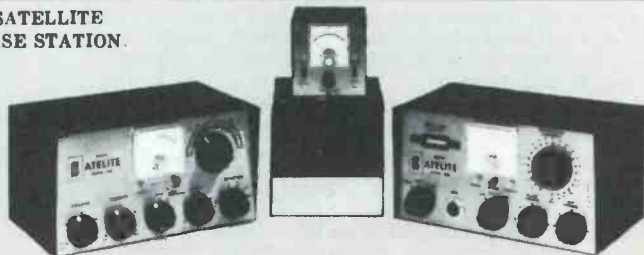
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DEMCO
ELECTRONICS, INC.
Bristol, Indiana

SATELLITE POWER MODULATOR



SATELLITE BASE STATION



CONFUSION COMPOUNDED

by THE OL' TIMER

In the December issue of S9 (on page 12) we sat in on a charming visit between an interviewer and "Joe CB'er." Here is a second visit between our knowing CB friend and his puzzled guest.

KBG4303

To set the scene we must state that the following events are taken right from the tape recording made secretly at the home of an anonymous CB'er. All names are withheld except for that of the visitor who didn't think that anyone would dare to print this yarn and so gave his consent.

As the curtain goes up, a visitor named Bob ushers himself into the shack where the licensee is busy checking through the pages of a well known CB magazine.

CB'er: "Howdy, Old Man."

Visitor: "Oh, but I'm not so old."

C: "Anyway, welcome to the shack."

V: "Thanks, where is it?"

C: "You're in it."

V: "Looks like a living room."

C: "Nope, it's my shack."

V: "Then where's the house? Ha, ha!"

C: "Hi, hi."

V: "High? Like up off the ground?"

C: "Naw, I said *hi hi* like *ha ha*."

V: "Then where is your studio?"

C: "We don't have regular studios."

V: "We? You mean there are others with you?"

C: "Only the junior operator."

V: "Oh, you have a relief operator like in the Navy?"

C: "No, my boy is still too young for a ticket."

V: "But what about the junior operator?"

C: "I meant the XYL brings the harmonic in when he causes too much QRM in her part of the 10-20."

V: "Ah . . . uh huh. Well, anyway, can I see your station?"

C: "Of course, but a lot of the accessories are home brew."

V: "Home brew? Is that legal?"

C: "Sure. I even buy lots of materials government surplus."

V: "But does Uncle know what you use them for?"

C: "He licensed me."

V: "That makes you commercial?"

C: "Nope, strictly personal type CB'er, only taxi companies and like that are commercial."

V: "What are you doing now?"

C: "Now I guess I'll listen to the band."

V: "Guy Lombardo is my favorite."

C: "No, no, I said I would monitor 11 meters."

V: "You mean all you do is listen?"

C: "No, I think we'll have a short QSO to put you at ease."

V: "No thanks, I don't drink."

C: "Negative—I mean I'll fire up the rig."

V: "I presume that means you will ignite your equipment with flames?"

C: "No, man, if you burn up the rig you can't enjoy the band when it's hot."

V: "But you just said . . . oh, nevermind. What's that hose running out the window?"

C: "That's not hose. That's my RG/8U."

V: "Your 'Aw gee' what?"

C: "It's my co-ax feedline, it feeds the juice up to the old squirter."

V: "What juice?"

C: "I was referring to RF electromagnetic energy at 27 megacycles."

V: "Motorcycles?"

C: "27 thousand kilocycles."

V: "You mean there is really something up there that squirts?"

C: "Roger-dee, I've practically got a pipeline to my Unit Two in Capitol City."

V: "A pipeline."

C: "Ten-foe, those phased collinears sure get out."

V: "Ah . . . yeah. I think I'm asking too many wrong questions."

C: "How can you learn without asking?"

V: "Say, are all stations like this?"

C: "Nope, some are mo-bubble."

V: "Just like police cars?"

C: "No, they're on VHF."

V: "Wow! Do you see what I see?"

C: "Where?"

V: "That insect on the couch."

C: "Don't move, I'll get the Flit."

V: "No! That's a genuine Cicadida!"

C: "Huh?"

V: "It's either a Magicicada Septendecim or an Tibicen Septendecim."

C: "Yecch! Looks like a disgusting bug to me."

V: "I'll rush right over to my brother's house and get my specimen box. Don't do anything till I get back. Bye."

C: "Some kind of nut. The hobbies some people have. Sounds like crazy jibberish to me."

S9

Kookie CB Callsign Confusion

THERE ARE ALREADY OVER 200 U.S.

CB CALLSIGN PREFIXES

by **KENNETH KATZ**

If you happen to be a CB'er in Chicago, we feel sorry for you. You must learn to cope with *local* CB callsigns bearing the following prefixes: 18W, 18A, 18B, 18Q, 18QA, KHA, KHB, KHC, KHD, KBH KHE, KUR, KIJ, KLK, KLL—and who knows what else! Oh, you're not alone, there are other call areas which are equal, or close, in the number of CB prefixes in current use.

We decided to have our Washington people dig through the FCC records and come up with an accurate picture of *all* the new style 3-letter prefixes available for Class D use, which we reprint here with pertinent notes to clarify some of the more confusing listings. Anyway, we found that there are well over 200 CB prefixes assigned, or assignable, to U.S. CB'ers. In our listing we have omitted prefixes which are of the "old style" number types, as they indicate their own locations.

Expiration dates. Our listing shows the latest possible date which the prefix may be used. Some of the 1969 expirations contain an asterisk (*) and this indicates that the prefix was issued for only a short period at the beginning of the year and will expire at the beginning of the year indicated with an asterisk. The number type prefixes can expire no later than December 31, 1965; with the exception of those which contain the letter "Q", any may expire as late as December 31, 1966.

"Spare" Calls. The prefixes KLW through KLZ may be individually assigned to any call area in 1964 should the regular calls be used up.

Special Authorization Calls. Stations which are authorized for special types of operation by the FCC are assigned calls from the series KUA through KUX. These include Class D stations operating under conditions not covered in the standard CB regulations. Expiration dates may be determined by the first number following the three prefix letters, as follows: "0" expires in 1968, "1" expires in 1969, "2" expires in 1970, etc., etc.

Special Temporary Authorization. Stations which receive temporary authority from the FCC to operate under conditions not covered in the CB regulations receive prefixes KUY and KUZ, regardless of which of the 24 CB call districts in which the station may be located. The issue date of the call may be determined by the first number after the three letter prefix, as follows: "0" issued in 1963, "1" issued in 1964, etc., etc.

Class A stations. Class A CB stations are assigned the prefixes in the block of calls KAA0001 through KAF9999. After 1969 this will be extended as far as KAJ9999. If needed, the Commission may use KZA0001 through KZJ9999 for Class A stations. By the way, a Class A CB station always keeps its original callsign regardless of renewals and modifications.

Class B Stations. Class B CB stations were assigned calls in the block KAG0001 through KAG9999 prior to the FCC's new machine processing system. In 1964, machine processed calls will be in the series KAK0001 through KAK9999. In 1965 they will all have the prefix KAL.

Class C Stations. Class C, radio control stations, received calls from the series KAH0001 through KAJ9999 until machine processing was adopted. The new 1964 calls fall within KAP0001 through KAQ9999. In 1965 they will be KAR0001 through KAS9999.

The Future of Class D. In 1965 the FCC will assign us calls which fall within the series KMA through KNZ. 1966 brings KOA to KPZ, 1967 is KQA to KRZ, 1968 is KSA to KTZ, 1969 is KVA to KWZ, 1970 is KXA to KYZ. In 1971 we will have made the full turn and will be back to KBA to KCZ, where this whole thing began in 1962.

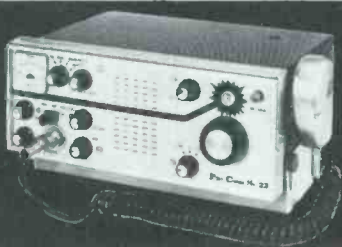
The FCC is taking no more chances of being faced with another CB callsign dilemma, such as they had last year. There weren't enough callsigns to go around in some of the call areas and emergency ones had to be pressed into service towards the end of the year. From 1964 on, there are enough callsigns available for well over a half-a-million new CB'ers, renewals, and modifications each year.

CB Prefix	CB District	Year of Issue	Latest Expiration Dec 31				
KBA	1	1962	1967	KJG	24	1964	1969*
KBB	1	1962	1967	KJH	5	1963	1968
KBC	1	1963	1968	KJI	20	1963	1968
KBD	1	1963	1968	KJJ	11	1963	1968
KBE	1	1964	1969*	KKA	1	1964	1969
KBG	2	1962	1967	KKB	1	1964	1969
KBH	18	1963	1968	KKC	1	1964	1969
KBI	2	1963	1968	KKD	2	1964	1969
KBJ	2	1963	1968	KKE	2	1964	1969
KCA	2	1964	1969*	KKF	2	1964	1969
KCC	3	1962	1967	KKG	3	1964	1969
KCD	3	1963	1968	KKH	3	1964	1969
KCE	3	1964	1969*	KKI	4	1964	1969
KCF	4	1962	1967	KKJ	4	1964	1969
KCG	4	1963	1968	KKK	5	1964	1969
KCH	4	1964	1969*	KKL	5	1964	1969
KCI	5	1962	1967	KKM	6	1964	1969
KCJ	5	1963	1968	KKN	6	1964	1969
KDA	5	1964	1969*	KKO	6	1964	1969
KDB	6	1962	1967	KKP	7	1964	1969
KDC	19	1963	1968	KKQ	7	1964	1969
KDD	6	1963	1968	KKR	8	1964	1969
KDE	6	1963	1968	KKS	8	1964	1969
KDF	6	1964	1969*	KKT	9	1964	1969
KDH	7	1962	1967	KKU	9	1964	1969
KDI	7	1963	1968	KKV	10	1964	1969
KDJ	7	1964	1969*	KKW	10	1964	1969
KEA	8	1962	1967	KKX	11	1964	1969
KEB	8	1963	1968	KKY	11	1964	1969
KEC	8	1964	1969*	KKZ	11	1964	1969
KED	9	1962	1967	KLA	12	1964	1969
KEE	9	1963	1968	KLB	12	1964	1969
KEF	9	1964	1969*	KLC	13	1964	1969
KEG	10	1962	1967	KLD	14	1964	1969
KEH	10	1963	1968	KLE	15	1964	1969
KEI	10	1964	1969*	KL F	16	1964	1969
KEJ	11	1962	1967	KL G	16	1964	1969
KFA	11	1963	1968	KL H	17	1964	1969
KFB	11	1964	1969*	KL I	17	1964	1969
KFC	12	1962	1967	KL J	18	1964	1969
KFD	12	1963	1968	KL K	18	1964	1969
KFE	12	1964	1969*	KL L	18	1964	1969
KFF	13	1962	1967	KL M	19	1964	1969
KFG	13	1963	1968	KL N	19	1964	1969
KFH	13	1964	1969*	KLO	19	1964	1969
KFI	14	1962	1967	KLP	20	1964	1969
KFJ	14	1963	1968	KL Q	20	1964	1969
KGA	14	1964	1969*	KLR	20	1964	1969
KGB	15	1962	1967	KLS	21	1964	1969
KGC	15	1963	1968	KLT	22	1964	1969
KGD	15	1964	1969*	KLU	23	1964	1969
KGE	16	1962	1967	KLV	24	1964	1969
KGF	16	1963	1968	KLW	spare	1964	1969
KGG	16	1964	1969*	KLX	spare	1964	1969
KGH	17	1962	1967	KLY	spare	1964	1969
KGI	17	1963	1968	KLZ	spare	1964	1969
KGJ	17	1964	1969*	KUA	1	see text	
KHA	18	1962	1967	KUB	2	see text	
KHB	18	1962	1967	KUC	3	see text	
KHC	18	1963	1968	KUD	4	see text	
KHD	18	1963	1968	KUE	5	see text	
KHE	18	1964	1969*	KUF	6	see text	
KHG	19	1962	1967	KUG	7	see text	
KHH	19	1962	1967	KUH	8	see text	
KHI	19	1963	1968	KUI	9	see text	
KHJ	19	1963	1968	KUJ	10	see text	
KIA	19	1964	1969*	KUK	11	see text	
KIC	20	1962	1967	KUL	12	see text	
KID	20	1963	1968	KUM	13	see text	
KIE	20	1964	1969*	KUN	14	see text	
KIF	21	1962	1967	KUO	15	see text	
KIG	21	1963	1968	KUP	16	see text	
KIH	21	1964	1969*	KUQ	17	see text	
KII	22	1962	1967	KUR	18	see text	
KIJ	22	1963	1968	KUS	19	see text	
KJA	22	1964	1969*	KUT	20	see text	
KJB	23	1962	1967	KUU	21	see text	
KJC	23	1963	1968	KUV	22	see text	
KJD	23	1964	1969*	KUW	23	see text	
KJE	24	1962	1967	KUX	24	see text	
KJF	24	1963	1968	KUY	see text	see text	
				KUZ	see text	see text	

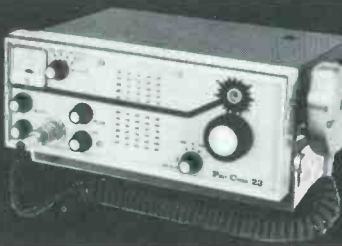


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CB TRANSCEIVERS WITH SPECTRAMATIC TUNING



POLY-COMM SENIOR 23
with selective listener and ringer **\$349⁵⁰**



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07007 TEL: (AREA 201) 228-2400

28 • July 1964

CB IN ACTION

By Len Haas,
Sales Manager,
Pearce-Simpson, KBC7527
"HANGING WIRES"



As a CB Sales Manager, my private car must be equipped with the latest production runs of our models. This is done so that I can critically evaluate our transceivers. Our Engineering Department recently developed several electronic modifications and pulled the unit from my car in order to add the new changes. Because of very heavy dealer demand we could not replace my regular unit with another set, so I was CB-less for almost a week and a half.

Today it seemed as though everything came back to life when my radio was returned to my automobile.

During this period I had been feeling very lonely when driving by myself. It was a strange feeling not to have my radio for such a long period of time. Every time I automatically reached over to my right, where the radio was normally suspended, instead of my radio I saw "hanging wires" and felt completely alone. While all this was happening, my mind went back to a week ago when I made a short trip for the company in a rented car which did not have a two-way radio. It seemed to me that lately I have been entering one empty car after another, with a feeling of either lack of protection, hollowness, or something that I could not quite express. When my advertising manager said, "Len, a new column for S-9 is due. What subject do you think CB'ers would be interested in at this time of the year?" I mentioned my lonely feeling while driving without my transceiver and he came up with the subject title for this column, "Hanging Wires."

This experience of being without my transceiver made me feel that most CB'ers would probably have felt the same as I when they were unfortunate enough to have been without their radio for one reason or another. I know now that when my radio is mobile along with me—(it is always turned on—even though I may not be speaking with anyone) I have the safe feeling of having a companion—as though someone were sitting alongside me. As you all know, from time to time in the quiet of a drive, a voice will boom through on your channel out of nowhere—even though you are not being called. After this personal experience, I realize that my car is not equipped unless my radio is with me and operating. I never want to be without my radio again and feel the loneliness that surrounds me when I see "hanging wires."

If you have had a similar experience, write and tell me about it. I would like to know if other CB'ers also feel that same "hanging wire" loneliness.

Write us and tell us your "CB in Action" story. Your letter on how you or your CB club helped your community with CB can win you a COMPANION II. Write Len Haas, Sales Manager, Pearce-Simpson, Inc., 225 N.W. 14th Street, Miami 25, Florida.



ON THE COUNTERS



The folks at Multi-Elmac Company, 21470 Coolidge, Oak Park 37, Mich., have come with a new CB rig known as The CITI-FONE MODEL SS. This is a 23 channel rig (comes complete with all necessary crystals for full 23 channel operation), delta tuning, triple tuned RF, "noise immune squelch," series gate noise limiting, illuminated channel selector, AC/DC channel selector, and "bandspread" tuning for the receiver to bring in those "off channel" stations. Price is \$169.50.

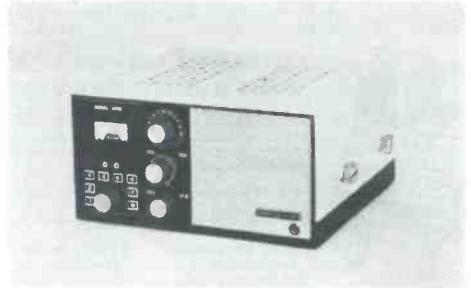


Shure 202

Sure Brothers, Inc., 222 Hartrey Ave., Evanston, Ill., has announced a new, low cost, noise-cancelling microphone which was especially designed for CB. Similar in outward appearance to their famous Model 201, the new mike, called the Model 202, is a ceramic type which features a noise-cancelling port in the top of its case that provides a sharp roll-off of the frequencies

where background noise most seriously affects intelligibility.

A new CB transceiver has issued forth from Kaar Engineering this month. The Kaar D-333 has a new innovation—the country's first TWO year guarantee. The D-333 is a fixed tuned unit with 8 channels. A unique 3 stage noise limiter provides optimum performance under extreme operat-



ing conditions. The Model D-333B has the additional features of an external crystal socket and a tunable receiver (plus the 8 fixed channels). Both sets have a transistor power supply, including optional provisions such as selective calling, remote control, etc. Price is \$194.50 for the D-333 and \$229.50 for the D-333B. Further data may be obtained by contacting Mr. Frank A. Gennochio, Kaar Engineering, P.O. Box 1320, 2989 Middlefield Rd., Palo Alto, Calif.



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CITIZEN BAND CLASS "D" CRYSTALS

3rd overtone — .005% tolerance — to meet all FCC requirements. Hermetically sealed HC6/U holders. 1/2" pin spacing. .050 pins. (Add 15c per crystal for .093 pins).

\$2.95
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All 23 megacycle frequencies in stock: 26.985, 26.973, 26.985, 27.005, 27.015, 27.025, 27.035, 27.035, 27.065, 27.075, 27.085, 27.105, 27.115, 27.125, 27.135, 27.155, 27.165, 27.175, 27.185, 27.205, 27.215, 27.225, 27.255.

Matched crystal sets for ALL CB units (Specify equipment make and model numbers) \$5.90 per set

CRYSTALS IN HC6/U HOLDERS

SEALED OVERTONE .486 pin spacing — .050 diameter — .005% tolerance
15 to 30 MC\$3.85 — 30 to 40 MC
\$4.10 — 40 MC to 65 MC\$4.50 —
65 MC to 100 MC\$6.00 ea.

FUNDAMENTAL FREQ. SEALED From 1601 KC to 2000 KC \$5.00; from 2001 KC to 2500 KC \$4.00; 2501 KC to 5000 KC \$3.50; 5001 KC to 7000 KC \$3.90; 7001 KC to 10,000 KC \$3.25.

RADIO CONTROL Specify frequency. .05 pins spaced 1/2" (Add 15c for .093 pins). \$2.95 ea.



QUARTZ CRYSTALS FOR EVERY SERVICE

All crystals made from Grade "A" imported quartz—ground and etched to exact frequencies. Unconditionally guaranteed! Supplied in:

FT-243 holders Pin spacing 1/2" Pin diameter .093
MC-7 holders Pin spacing 3/4" Pin diameter .125

CR1A/AR holders Pin spacing 1/2" Pin diameter .125
FT-171 holders Pin spacing 3/4" Banana pins

MADE TO ORDER CRYSTALS . . . Specify holder wanted

1001 KC to 1600 KC: .005% tolerance\$4.50 ea.
1601 KC to 2000 KC: .005% tolerance\$3.55 ea.
2001 KC to 2500 KC: .005% tolerance\$2.75 ea.
2501 KC to 9000 KC: .005% tolerance\$2.50 ea.
9001 KC to 11,000 KC: .005% tolerance\$3.00 ea.

Amateur, Novice, Technician Band Crystals

.01% Tolerance . . . \$1.50 ea. — 80 meters (3701-3749 KC) 40 meters (7152-7198 KC), 15 meters (7034-7082 KC), 6 meters (8335-8650 KC) within 1 KC

FT-241 Lattice Crystals in all frequencies from 370 KC to 540 KC (all except 455 KC and 500 KC)\$1.25 ea. Pin spacing 1/2" Pin diameter .093

Matched pairs — 15 cycles \$2.50 per pair
200 KC Crystals, \$2.00 ea.; 455 KC Crystals, \$1.25 ea.; 500 KC Crystals, \$1.25 ea.; 100 KC Frequency Standard Crystals in HC6/U holders \$4.50 ea.; Socket for FT-243 Crystals 15c ea.; Dual Socket for FT-243 Crystals, 15c ea.; Sockets for MC-7 and FT-171 Crystals 25c ea.; Ceramic Socket for HC6/U Crystals 20c ea.

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Division of



AND
4117 W. Jefferson Blvd.
LOS ANGELES, CALIF.
Phone 213-731-2258
TWX 213-737-1315

The Turner Model 254D is a new base station microphone designed to be used with transistorized CB rigs. While made for use with the Cadre and E. F. Johnson transistorized gear, the mike may be used with any similar rig, therefore earning the honor of being the first base station type mike designed for CB use with transistorized rigs. It has a 300 to 6000 cps response and a 600 ohm impedance. List price is \$36.50. Contact Doug Batten, Turner Microphones, 945 17th St., N.E., Cedar Rapids, Iowa, for more info. Ask Doug for their new Bulletin #1020, it is a full listing of all of Turner's CB mikes.

Shock-Proof Electronics, Inc., 1601 Girard Trust Bldg., Philadelphia, Pa. 19102, has come out with a "Hazard Sensor" device to protect against shock and electrical damage. It includes a fault detector and a fast acting circuit breaker for 60 cycle AC lines. As soon as any trouble pops up in a piece of equipment connected through the Hazard Sensor (this could include faulty equipment, current leakage to ground, dead short circuit, overloading, etc.), the unit disconnects from the power lines. This would be a handy gadget if you have kiddies (or a dog with a wet nose) romping around under the desk in your CB shack. Write to the manufacturer for further details, and tell them you saw it in S9.

The "Silent Sentry" has been introduced by Raytheon. This device makes any CB rig capable of speaking only when spoken to. When the unit is called by another unit containing a similar unit, a light flashes or the loudspeaker activates. This product is very interesting and further data may be obtained from Mr. B. H. Ballard, Raytheon Co., 213 East Grand Ave., South San Francisco, Calif.

Two new pieces of test gear of interest to CB'ers are now available from Path Products Corp., 55 Halley St., Yonkers, N. Y. Both are imported from England and feature unusual compactness, lightweight, durability, stability, high precision, and extraordinary portability. One unit is an all transistor capacitance/resistance bridge which sells for \$32.25 and checks from 1 ufd to 100 ufd and 10 ohms to 100 meg-ohms with 2% accuracy. The second unit is a signal generator selling for \$36.25 which goes from 150 kc/s to 350 mc/s with better than 2% accuracy.

Ol' Everett Decker, the brains behind Errol Engraving has whipped up a set of 5 CB signs which are printed in red and black on heavy cardboard. In addition to the ones shown here, there is one which reads "Emergency Communications." The



cards are a big 10" by 3½" (just right for sun-visor mounting) and sell individually for 25¢ each or the set of 5 for \$1.00. Ask Everett about all his other goodies when you order. Address is P.O. Box 411, Westfield, Mass. Dealers should ask Ev about his fantastic selling over-the-counter CB goodies which come on convenient display boards (they include decals, FCC stickers, buttons, badges, name plates, stock QSL cards, and 1001 other items), your customers will love ya'.

Walso Electronics, 400 S. Wyman St., Rockford, Ill., offers a 99-cent boon to equipment building CB'ers in the form of their "Tekni-Label" decals. Specific groupings of words and symbols have been assembled for CB, Ham, HiFi, etc. These words are then run off on decal sheets with white lettering and black lettering and are great for customizing equipment. Available from dealers or direct.

S9 Lab

Reports

THE S.A.C. MINIVERTER CONVERTERS

Last month we ran a product release on a new device called the *Minivertter* and this past month we had an opportunity to try one out in our S9 experimental mobile unit.

Minivertters (there are many different models) are small, self-contained and self-powered transistorized converters which are made to be used with mobile or base station broadcast band receivers, con-

Continued on page 34

More people read more things in S9!



(The ASSOCIATION TO CONDEMN DETRIMENTAL ASSOCIATIONS)

Be a free, independent, thinker! Join CB's second largest do-nothing organization!

When you join the ACDA you will have **nobody** telling off the FCC in your name; the ACDA **will not** try to sell you beanie hats and red shirts; we **will not** assess you with a tax; we **will not** announce officers before the election (because we don't have officers); and we **will not** do anything else that you would rather we did not do! Anyone can join!

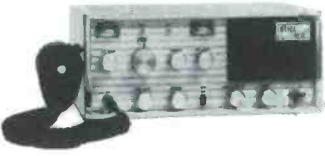
A membership in the ACDA brings you an outrageous, zany and chintzy membership certificate suitable for wall mounting (mount it **only** if you really are a **true** independent and don't give a hoot what your friends think of you) or for blotting up ginger-ale puddles; you also receive the next 12 issues of CB's **most infuriating**, free-thinking, and helpful monthly publication, S9. Belonging to ACDA gives you **full** rights to condemn any Association which is detrimental to CB. Membership for 1 year is only \$5 (including the S9 subscription), 2 years \$9, 3 years \$13. Use the form inserted between pages 48 and 49 of this issue, be sure to mark it "ACDA" on the front. If you already subscribe you can still obtain a certificate by sending a self-addressed and stamped envelope to "ACDA" in care of S9, enclosing the address strip with your name from the back cover of a recent issue.

OFFER LIMITED, SO HURRY!

Ask mos

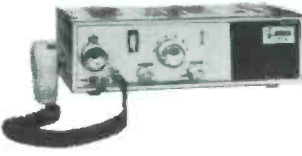


UTICA T & C III



- 23 Channel crystal controlled transmit and receive.
 - All crystals supplied.
 - NOT A SYNTHESIZED CIRCUIT.
 - Built-in dual power supply, 117 VAC, 12 VDC transistorized supply.
 - Push-pull modulation.
 - 14 tubes — 5 diodes with 24 tube performance; 2 transistors.
 - Built-in PA system.
 - BFO for sideband reception.
- \$259⁹⁵**

UTICA T & C II



- 6 channel crystal controlled transmit and receive.
 - Calibrated "S" meter with output-power modulation indicator.
 - External speaker terminal.
 - Dual conversion Super-het receiver. The most stable tunable receiver on the 11 meter band. Gets all CB channels.
 - Press to talk ceramic mike with coil cord and mike jack.
 - Your choice of crystals and one power cable.
 - Ideal for car, home, office, truck or boat.
 - Built-in 117AC and 12VDC transistorized power supply (6VDC available on order).
- \$162⁵⁰**

TOWN & COUNTRY MC-27



- 6 channel crystal controlled transmit and receive.
 - Dual conversion Super-het receiver with amazing sensitivity and selectivity.
 - Built-in 117AC and 12VDC transistorized power supply (6VDC available on order).
 - Press to talk ceramic mike with coil cord and mike jack.
 - Your choice of crystals and 1 power cable.
- \$142⁵⁰**

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**"More quality, more performance
and more features for the
money," that's why**

The best salesman in the world can't sell a CB fan just any old transceiver. CB people know what they want. They know quality, they recognize performance, they understand features. They insist on value.

Compare these Utica transceivers with anything on the market. Compare performance. Compare quality. Compare features. Compare value. If you're an old CB hand, you **know** Utica is unbeatable. If you're just getting into the field ask any old timer — or send the coupon below for complete information.



UTI-COM 30



- 30 watt input power.
- Built-in dual power supply, 117 VAC, 12 VDC transistorized supply.
- Built for 1 or 2 channel operation.
- 12 tubes — 4 diodes for 21 tube performance.

\$234⁹⁵

ANTENNAS:

GIZMOTCHY 2 in 1, vertical-horizontal beam antenna.\$55.95

GROUND PLANE, pre-matched for 52 ohm impedance\$24.50

BUDDY WHIP 96" adjustable fibre glass mobile antenna\$24.50

UNIVERSAL ANTENNA SELECTOR BOX for fast switching\$7.50

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Robyn HI-POWER

Model 270
"WALKIE-TALKIE"

FINE PRECISION INSTRUMENT FEATURING
LOWEST PRICE CONSISTENT WITH TOP QUALITY



List \$87.50

Citizen's Band Transceiver. Size 2½" x 1½" x 7¼". Including leather strap and carrying case, earphone, 8 penlite batteries, ext. antennae male plug, 12 V input jack. A.C. adapter — optional.

SPECIFICATIONS

Receiving System: Superhetrodyne / RF Amplifier, Noise Limit & Squelch Control. Freq. Tolerance: 0.005% Transistor: 12. Diode: 1. Transmitting Final Input Power: Not to exceed 1 Watt.

Dealer Inquiries Invited. Also write for information on portable tape recorders.

FULL WARRANTY

- Extra sturdy Antenna
- Metal case
- Light weight
- A must for Sportsmen, Business, Hobbyists

RANGE

TOWN — 1 mi. or more

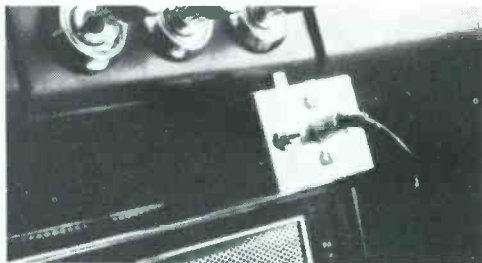
COUNTRY — up to 9 mi. or more

WATER — up to 30 mi. or more

Use of ext. antennae could double the range.

LAB REPORTS

Continued from page 32



verting them to any number of frequencies and bands within the frequency range of 1300 kc/s to over 150 mc/s. The only power required to operate a *Miniverter* is a small battery, and the only connections which need to be made from the *Miniverter* are to the antenna, and to the antenna terminal of the receiver. Since all *CB* mobile units contain a *CB* receiver, we thought we would check out the possibilities of using the car's broadcast receiver to inhale some other frequency range. The one selected for the test was the 2 to 3 mc/s "Marine Band" (although it might just as easily be any Ham band, C.A.P. bands, or even police or fire bands).

As we mentioned above, connecting the *Miniverter* is a simple chore; it takes about 45 seconds. Once the unit is connected it is peaked for maximum operation by means of the antenna trimmer on the auto radio and the antenna slug on the *Miniverter*. There is an oscillator slug on the *Miniverter* too, however this seems to have been factory set and did not require any adjustment.

One thing which should have been added to the *Miniverter*, but wasn't, is a means of mounting the device somewhere under the dashboard. Perhaps a small magnet could be glued to the *Miniverter* which would allow it to be stuck on any number convenient spots. The only thing which you will ever have to use on the *Miniverter* is the on/off switch, so it need only be within arm's reach—not right under your eyes, like a channel selector on a rig. In our mobile unit, we solved the problem by wedging the *Miniverter* between the *CB* rig and the dashboard and this seemed to be a satisfactory arrangement.

As soon as you switch the *Miniverter* into the line between the antenna and the car receiver you will notice an immediate increase in background noise because the *Miniverter* contains its own RF amplifier stage. Tuning across the band, the stations really jump out and we had no trouble copying the Tampa and Miami "Marine

THE ROBYN COMPANY
4303 Kroes Rd.
Rockford, Michigan

Operator" stations as well as ships on the Great Lakes as soon as the band opened up after dark. During the day, the *Miniverter* worked very well in receiving the numerous shipping activities in the New York area—in fact we could copy the telephone company station in Wilmington, Del., all day long. As we said, we selected this frequency band arbitrarily, we could have used any one of a number of bands.

So, if you have a car radio which can do no more than croak out the Beatles, why not put it to better use by adding a whole new function to it with a *Miniverter*? Maybe you would like to follow the local police or fire activities, or possibly you would like to monitor a particular CB channel on the car radio while you are using the CB rig on another channel, there are many possibilities and we found the *Miniverter* to be a dandy solution. Prices range from \$14.95 to \$27.95, depending upon the particular unit you require.

A list of all the various types of units made, plus other data on them is available from Scientific Associates Corporation, Dept. 77, P.O. Box 1027, Manchester, Conn. Ask for this information, these are nice units.



NEW

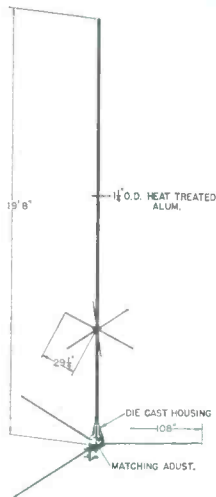
**TUNABLE
CB Base Station
ANTENNA**

PRO-27

"PRO-27" is a .64 wave length antenna; it is the only base station antenna tunable for low SWR of 1.1 to 1. Feed line is not limited to 60 feet in length. This omnidirectional model has extremely low angle of radiation and very high field strength. All heat treated aluminum seamless tube construction with iridized die cast base housing and mounting bracket.

PRO-27 \$32.95

For the strongest signal in your area, get a PRO-27 today.



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 3455 Vega Ave., Cleveland, Ohio 44113

DO YOU HAVE YOURS?

They're being gobbled up pretty fast—the 1964 PART 15 HANDBOOK/CALLBOOK, that is. Just in case you have seen a copy yet, it's a listing of more than 6,200 Part 15 "hobby" CB stations (calls, names, addresses, channels), plus features on the *how* and the *why* of Part 15 legal hobby CB'ing, plus all the rules and regulations you will need to know to get yourself established in this fascinating aspect of CB'ing—the only way to legally "rag chew" on 11 meters—or *the other Part 15 bands!* There are some interesting Part 15 rigs shown too, one selling for less than \$70!

Get your copy right now! Immediate delivery! The 1964 PART 15 HANDBOOK/CALLBOOK sells for \$1 postpaid, but if you are a registered Part 15 operator (that is, if you have an S9 Part 15 identifier callsign), the book is only 50¢. Order from:

**Book Division
Cowan Publishing Corp.**

14 Vanderventer Avenue, Port Washington, L. I., New York 11050.

Price \$1

1964
PART 15
handbook
callbook

Editor: Tom Nayler, ABC4303/10-13 Production Manager: Set Hiebhorn, K2640-2/74 ABC
Assistant Editor: Lita Neva Editorial Consultant: Fran Berrow, 617

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Is it time to renew your S9 subscription?

July 1964 • 35

CANADIAN CB CAPERS

We are looking for Canadian readers to become S9 AREA PUBLIC RELATIONS EDITORS (APRE's), similar to the system used so successfully by John Krejc in his "CB CHIT CHAT" column. Canadian readers who would like to become local S9 reporters (and earn some ready cash) please drop me a note and let me know that you're interested.

XM49-405

by JOHN BURNUP, XM49-405
926B CUMMINGS AVE.
OTTAWA, ONT., CANADA



Margaret Burnup, XM49-466, says "Let's swap cards." Her 10-20 is in care of Editor John Burnup.

In the past few columns I have dwelt mainly with club activities and not too much with Radio Regulations as they apply to The General Radio Service (CB). Most of us receive a copy of the regulations when we obtain our license and then conveniently lose it. Suddenly an Inspector from the Department of Transport drops in for a visit and mentions some infractions that have been noted. Now comes the panic of finding the lost regulations.

Since you never lose or throw away a copy of S9 (it will probably be stolen) this seems to be the best place to refresh your memory on the RULES. I will not give you all the sections but rather the ones that we all forget. Remember you can obtain these rules by writing to the Queens Printer in Ottawa.

The Radio Act, General Radio Regulations, Part II. General Radio Service.

71. A license for a station performing a General Radio Service may authorize the licensed station to be operated

- (a) in any craft or vehicle;
- (b) at fixed locations; or
- (c) while carried on the person.

(note) Remember all Walkie-Talkies regardless of power output must be licensed.

73.(1) A licensed station may carry on two-way radiotelephone communication only with another licensed station that is

- (a) licensed in the name of the same licensee; or
- (b) licensed in the name of a different licensee where the business or personal activities of the licensees concerned are of a mutual interest.

(2) The type of communication referred to in subsection (1) may include transmissions of signals for the actuation of radio receivers to establish and maintain voice communication.

74.(1) A licensed station shall be used only for communication concerning the business activities and personal affairs of the licensee.

(2) A licensed station shall not be used for any of the following purposes

- (a) activity contrary to federal or provincial law or municipal by-laws;
- (b) the transmission of music or other material for amusement or entertainment;
- (c) broadcasting or any transmission in connection with broadcasting;
- (d) transmissions of any nature to the public through a public address system;
- (e) transmissions of a frivolous nature; or
- (f) transmissions directed to any person or station beyond the ground wave coverage range of the station.

75.(1) Each exchange of communications between licensed stations shall not exceed five consecutive minutes duration and upon the termination of an exchange of communications no further transmission shall be made until the lapse of two minutes or until interference will not be caused to other stations using the same frequency.

76.(1) No transmission by a licensed station shall

- (a) cause any interference to any other licensed radio stations operating outside the frequency band 27.00-27.23 Mc/s, or
- (b) cause any interference to a private receiving station.

(2) In the event of interference as referred to in subsection (1) being caused by a licensed station, the license may be required by a departmental radio inspector to take such steps as are

necessary for the prevention of further interference or to restrict or cease operation of the station pending a satisfactory adjustment of the radio apparatus of the station.

77.(1) Each licensee shall be responsible at all times for the control and operation of his licensed station.

(2) Subject to section 10 of the GENERAL RADIO REGULATIONS, PART 1, the operator of a licensed station shall be

(a) the licensee of the station; or

(b) any person twelve years of age or over who is a British subject, a United States citizen or a landed immigrant.

and notwithstanding anything in these Regulations, such operator is not required to be the holder of any certificate of proficiency in radio.

It must be remembered that other sections of the Radio Act also apply to your operations in the General Radio Service and one of these is as follows:

36.(1) Except as provided in subsection(2), a radio log or similar record of all messages and signals transmitted, giving date, time and nature of such messages and signals shall be kept by the licensee with such further particulars as the Minister may from time to time require; and the licensee shall, for such period as may from time to time be prescribed by the Minister, preserve all radio logs or similar record, which shall be open to the inspection of the minister or his duly authorized officers at the office of the licensee at all reasonable times.

(2) A radio log is not required to be kept in the case of a mobile station under the operational control of a land station communicating either directly with such land station or with other associated mobile stations that are also under operational control of the same land station. Maybe by re-reading these regulations you will see need for changes. Let's hear from you with your comments. Direct your enquiries either to me or to the Editor of S9.

Any plans for August 1st and 2nd, 1964. The STRAFFORDVILLE CHANNEL JAMMERS are planning a Giant Eyeball QSO and Campout at Sand Hilly Park Farm, Houghton Centre, Ontario. This is a beautiful campsite and a wonderful place for children. For advance tickets or any information contact XM44-1269, Bob Carney, Straffordville, Ontario, Canada. Plan to attend one of Ontario's first big outings.

S9

ANGELO

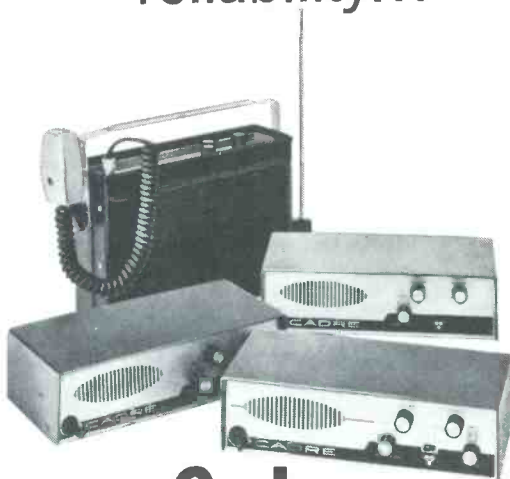
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IDENTIFY YOURSELF
with a
custom engraved
3 LINE CALL PIN

Pin size 1 1/2" x 2 3/4" — Jewelers type safety catch pins — white lettering on Black or Red pin and eight other color combinations — Price \$1.25 ea. — Special offer for order of ten or more pins \$1.00 per pin.

Apollo Co., 10 Ave. "O", Brooklyn, N. Y.

solid
state
reliability...



Cadre (CB Transceivers)

Solid state circuitry means that Cadre CB receivers can be bounced over rough roads in mobile installations; and can take plenty of rough use at base stations and in portable field use.

Solid state circuitry means that Cadre transceivers draw about as much power as an electric clock. Not only do auto or marine batteries last longer, but when batteries get low, Cadre solid state transceivers operate where others might not.

Reliability is only one reason why Cadre solid state CB transceivers are your best buy. Performance is another part of the story—plenty of transmission punch on 5 crystal controlled channels—long distance reception with the dual conversion superhet receiver. And unwanted noise and adjacent channels are effectively suppressed.

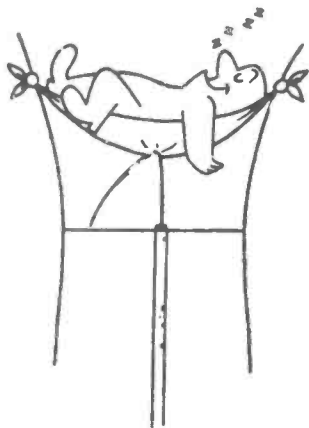
FOUR POWERFUL SOLID STATE 5-WATT, 5 CHANNEL MODELS for every possible application—base station, mobile, field. New Cadre 510-A—AC/DC 23 channel manual tuning \$199.95. Cadre 515 same as 510-A less manual tuning \$185.00. Cadre 520 DC only with battery cable and mounting kit. For mobile and portable use from 12 volt batteries \$169.95. Cadre 525 model 520 in portable pack carrying case with built-in battery/power supply, recharger, AC cord and telescoping antenna for complete field portability. \$249.95.

FULL POWER, 1.5 WATT HAND HELD RECEIVER CADRE C-75 Solid-state throughout. Two crystal controlled channels. Sensitive receiver, powerful transmitter with one watt output to the antenna. \$99.95. Recharger and set of (2) nickel-cadmium batteries. \$28.05. Cartridge for (9) penlite cells. \$2.55.

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When experience counts, it's S9 every time!

July 1964 • 37



ANTENNAS

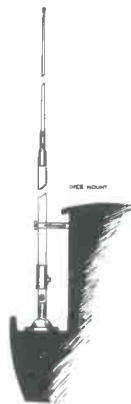
by LEN BUCKWALTER, KBA4480

ANGLING FOR ANTENNAS

What do fishing and Shakespeare have to do with antennas? Plenty. Shakespeare not only names the big British bard, but an old-line maker of fishing tackle. Using fiberglass, Shakespeare produces everything from sensitive fly rods to tough saltwater tackle, even golf clubs. So successful has the versatile glass rod become, it was just a matter of time before it proved a natural for whip antennas. So in 1947 Shakespeare set up a 3-acre plant in South Carolina, called it Columbia Products Company, and set it to the task of specializing in fiberglass. Columbia now turns out whips that fly aboard helicopters, sit atop tanks and jeeps and travel on amphibious vehicles. With the arrival of CB the company focussed its attention on 27-mc units, notably in the marine field.

Now that boating is in full wing, let's take a look at two of Columbia's antennas which hold special appeal for the sea-going CBer. They're called Wondershafts. Neither requires any grounding provisions nor protruding radials. The basic design of both units is that of a half-wave coaxial. And here lies the secret of eliminating grounds. By feeding shielded conductor up the antenna to the center point, an electrical ground is established. In effect, the antenna contains its own ground. In the quarter-wave whip, this would have to be supplied by radials or a mass of metal on the underside of the hull. The coaxial's significant advantage: it may be mounted on a wooden or fiberglass boat without regard to location or ground.

To net its advantage, the coaxial antenna is a long one. Columbia's 176-1, shown in Fig. 1, is called the Big Stick for good reason. Overall height is 18½ feet. This explains the mounting bracket positioned a few feet up from the base. It's needed for support. Note that the bracket is anchored to one side of the boat cabin.



But examine statistics and you'll find that one of today's most popular boats is the 16-foot runabout; a small craft that generally has no cabin. To solve the problem of mounting brackets, Columbia has come out with a shortened coaxial that needs no support other than its base. It's the 72-1, shown in Fig. 2. Overall height is 10½ feet. A loading coil embedded into the fiberglass top section electrically lengthens the whip. Efficiency is somewhat reduced, but the antenna may now be free-standing so it'll mount on any of the smaller boats. The manufacturer recommends that the mounting point be strong enough to take the base mount; a backing plate, for example, helps distribute the load. As with the Big Stick, this antenna can be lowered if overhead obstructions block the way.

Just one year ago, Columbia ran some tests to see how each of the Wondershafts stacked up against the standard quarter-wave whip used on many boats. They took a 22-foot long wooden boat and fitted it with each antenna type in turn; the two coaxials and quarter-wave. Since the quarter-wave unit relies on some grounding arrangement, 25 feet of aluminum screen was submerged under the boat. Test results were easy to predict. With Sonar E trans-

ceivers on base and aboard the boat, the Big Stick ranked highest, the loaded coax second, and the quarter-wave was runner-up. (In all fairness, the company better if mounted on an aluminum boat.) But in a wood or fiberglass craft, it was concluded that the big coax job provides about 20 DB gain over the quarter-wave, while the shortened coax yields up to 15 DB gain by comparison. These figures are given without regard to size of boat, mounting location or grounding system. What does this mean in terms of range? One CBER, operating off-shore in the Atlantic, claims up to 40 miles, no fish story.

All Columbia needs now, we suspect, is some kind of conversion kit so the sporting CBER, going 10-7, can haul in a couple of fat tuna.

FROM THE GROUND UP

Way back in 1911, when Hector was a pup, a group of men banded together for the hottest issue of the day—what's the best way to get people out of a burning building, fast! Their study produced a list of recommendations which may put most readers to sleep, but no doubt saves lives. They didn't stop there. Calling themselves the National Fire Protection Association, they tracked down causes of fire and how to prevent them. If you think 2-way radio evaded their purview, guess again. Transmitting and receiving equipment are lavishly covered in the latest publication (which, through some devilish touch, has a flaming red cover). As you may have already suspected, it's called the National Electrical Code. In about 500 pages it indirectly describes more ways to start a fire than a bunch of boy scouts at a camporee. Antennas with inadequate grounds, it seems, can set off a blaze that'll thrill even the beginning pyromaniac. So the Association has worked up some simple recommendations to vastly reduce risk, especially from lightning. For example:

1. Wires for grounding should be heavy and made of copper, aluminum or some corrosion-resistant material. A good bet here is the aluminum grounding wire commonly available for use with TV antennas. Wire size should be at least No. 8 for aluminum, No. 10 for copper.

2. A ground wire need not be insulated and may be attached directly to any surface. Protect it where it could be broken. Heavier wire is one way.)

3. Run ground wire in as straight a line as possible.

4. The shield of coaxial cable running down from the antenna mast can serve as

a ground lead. (In this case it's called an operating and protective ground.) This coax shield, however, must be connected to a good electrical ground, done in one of several ways:

A. To a metal water pipe which subsequently runs underground.

B. To rigid conduit.

C. Directly to the earth. In this case, the grounding wire or coax shield is connected to an 8-foot ground rod, made for the purpose, which is driven into the earth.

D. To the metal frame of a building which is grounded.

5. Try to keep the ground wire short.

6. The ground wire may run inside or outside the house.

7. Where coaxial shield serves as ground, there is no need for a lightning arrester. Coax-type arresters, however, may be installed for the measure of protection they afford the shield. When used, such arresters should be located as close as possible to where the coax enters the house. It should not be near combustible material. (A ground wire must be attached to the lightning arrester to complete the system.)

Continued on page 57

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CB CALENDAR

The following is an S9 exclusive of COMING EVENTS:

Morgan County CB Radio Club Jamboree, July 4th and 5th, Morgan County Fairgrounds, Martinsville, Indiana.

CB Jamboree, sponsored by the Lancaster County CB Radio Club, July 5th at the Rocky Spring Park, in the heart of the Penna. Dutch. Contact: P.O. Box 236, Lancaster, Penna.

5th Annual Convention and Trade Show, August 22nd and 23rd, Hotel Monticello, Norfolk, Virginia. Host clubs are the Portsmouth-Suffolk-Virginia Beach.

The Rush County CB Club will sponsor its First Annual Jamboree, July 12th, at the Fairgrounds, located 3 blocks west of Main St. on 11th St., at the new community building, Rushville, Indiana. Contact William Bailey, R.R. # 1, Rushville, Indiana.

Central Indiana CB Club Jamboree, July 19th at the UAW-CIO Auditorium, State Rd. 109 and E. 10th St., Anderson, Ind. Contact CICB Club, P.O. Box 2155, Anderson, Indiana.

1st Inter-State CB Jamboree, sponsored by the CB Socialites Radio Club, August 8th and 9th, at the American Legion Farm on the Mass., New Hampshire State line. More info contact Bill Berthold, Laurel Avenue, Plalstew, New Hampshire, Monitor channel 9.

The Tri-County Citizens "D" Banders, inc., will hold a picnic and round-up, July 12th at Stuart Park, located south of Elkins, West Virginia, on U.S. Route 33. Join the fun in the National Forest of West Va. Remember July 12.

Hootenanny Jamboree—Sept. 4th, 5th, 6th, and 7th, over the Labor Day week-end. This event will take place at the Albertson Midget Lakes, Dalton, Georgia. Follow the signs to the Lakes, 5 miles north of Dalton, just off highway #71. Monitor channel 11. Fun for all, and a week-end you'll never forget.

The Donelson CB Club of Nashville, Tennessee, is sponsoring a "Dixie CB O'ree" June 27th and 28th. More info contact: Dixie CB O'ree, P.O. Box 2301, Donelson, Tenn.

The Georgia Citizens Band Council, is planning a Jamboree for the week-end of August 1st and 2nd, at Stone Mountain State Park, Georgia. Contact P.O. Box 136, Decatur, Georgia. Dixie Communication Club, Inc.

Second Annual State of Massachusetts CB Jamboree, sponsored by the Five Watt Whips of Lowell, Mass., July 19th. More info to follow. Contact Bob B. Whitney, Elm Road. R.F.D. #1, Nabnasset, Mass.

The Seacoasters Citizens Radio Club of West Atlantic City, New Jersey will sponsor a CB Jamboree, in September. Details are not available at this writing.

8 State Jamboree—sponsored by the York CB Assistance Club of York, Penna., June 27th, and 28th. Fishing Creek Community Grounds, York, Penna. to Baltimore Expressway on Route 83, Exit 16. Monitor channel 11.

Fifth Annual Club CB Family Picnic of the Five-Eleven Radio Club, Inc., will be held on September 13 at White Swan Park, Parkway West, near the Greater Pittsburgh Airport, Allegheny County, Pa.

The 2nd Annual Vermont CB Jamboree, June 28th at the Rutland Fairgrounds, Rutland, Vermont, on U.S. 7. The event is sponsored by the Otter Valley Citizens Radio Club. Contact Bob Hughes, 1Q682D. RF, Pittsford, Vermont.

The Town and Country CB'ers are sponsoring a Jamboree, July 3rd, 4th, and 5th, at the Fairgrounds, in Hemlock, New York. Camping and motel facilities are available. Monitor channel 11. Contact Arthur Kretschmer, Leicester Rd., Caledonia, New York.

The Zelenople Tri-County REACT Team is holding a CB Picnic, June 28th. There will be continuous entertainment and prizes awarded all afternoon and evening. The picnic will be held at the Zelenople Community Park, Zelenople, Penna.

The Annual Western Massachusetts CB'ers Jamboree, July 19th at the Middlefield Fairgrounds, Middlefield, Mass. Monitor channel 11. Top manufacturers will be there.

Circus City CB Club of Peru, Indiana, announces QSL Jamboree to be held August 9th. Place: The 4H Fairgrounds, just north of Peru, 1 1/2 miles on State Route #31.

The 1964 Maumee Valley CB Round-up, largest one-day CB gathering, Sunday, September 20th, at the beautiful Memorial Coliseum, Fort Wayne, Indiana.

Fourth Annual CB Jamboree sponsored by the Illinois Valley Citizens Banders Club at the Exposition Gardens, in Peoria, Ill., June 28. Monitor channel 9, 11, and 14. Contact P.O. Box 141, Peoria, Illinois.

First Annual Great Plains CB Radio Convention, to be held at Sioux Falls, South Dakota. Dates are June 27 and 28. This event will be sponsored by the Sioux Empire Citizens Communications Assn., Sioux Falls. Place Sioux Empire Fairgrounds, South Dakota. Contact 1100 Sunset Drive, Sioux Falls, S.D.

Huntington County CB Radio Club of Lima, Ohio, will hold their annual CB Picnic, Sunday, August 2nd. The event will take place at the Allen County Fairgrounds.

The Wabash Valley Citizens Radio League, will hold their 3rd Annual CB Jamboree, July 12th at the Wabash Valley Fairgrounds, south of Terre Haute. Contact Les Marton, 2001 North 9th St., Terre Haute, Indiana.

The Burlington Amateur Radio Club, has announced its International Field Day, July 26th at the Cluff Side, at the end of Flynn Avenue, Burlington, Vermont. Contact CB'er Fred Perry, KBC1944, 14 Camels Hump Road, Winooski, Vermont.

CB Rally, Sunday, June 28th, at Greene, New York. Contact Bud Mohr, Oxford, New York. Just off Rt. 206 and 41, East and West and Rt. 12, North and South. Looks like just a shot gun and wagon wheel from Binghamton.

The CB Knight Patrol of New York, will hold a Jamboree, June 28th, at the Mohawk River Inn, off Amsterdam Rd. Entertainment and CB displays will be the features.

CB Chicken Bar-B-Que Jamboree, Sunday, Sept. 27, at at Halfmoon Beach, on the Mohawk River, Crescent, New York. Sponsoring clubs are Electric City CB Radio Club; Spa 10-4'ers and the Troy Area CB Radio Club. Interested parties write P.O. Box 36, Schenectady, New York; P.O. Box RD #1, Saratoga Springs, New York, or P.O. Box 299, Lans. Sta., Troy, New York, respectively. Chairman is Stephen Stracher, 21 West Erie Street, Albany, New York.

The Lake Champlain CB Radio Club will hold their CB Jamboree, Sunday, July 12th at Route 127, Malletts Bay, Vermont, on the shores of Lake Champlain. Contact Lake Champlain CB Radio Club, 178 Intervale Avenue, Burlington, Vermont. President of the club is Walt Trepanier, 1W8208.

Metropolitan Denver Citizens Radio Club will hold their CB Jamboree, August 16th at the Jefferson County Fair Grounds. News of the event, comes from Herb Brown, 15W1898. The jamboree will serve the Denver and Colorado area.

The Sedalia CB Radio Club will hold their 3rd Annual Jubilee, Sunday, June 28th, at the new Agricultural Building at the Missouri State Fairgrounds. Monitor channel 11. More info contact P.O. Box 171, Sedalia, Missouri.

The CB Monitors Radio Club of Killeen, Texas, are sponsoring a CB Jamboree, July 11th and 12th. For further info contact, CB Monitors, P.O. Box 307, Killeen, Texas.

Southwestern Ohio Citizens Band Assn., P.O. Box 231, Mason, Ohio, will hold its Second Annual Nationwide CB Jamboree, Sunday, August 16th, at the Warren County Fairgrounds, State Rt. #8, Lebanon, Ohio. Remember, August 16th.

Penova CB Club Jamboree, August 9th, at New Waterford Fish and Game Park, New Waterford, Ohio. Monitor channel 9 and REACT monitor channel 22. Rain or shine. Plenty of prizes. By the looks of the map, New Waterford is on Route 421, just off Route 7. Great idea, supplying maps with the flyers. Lots of luck to the group.

M.C.E.U. Inc. Convention and 2nd Annual Jamboree, July 18th and 19th, at the Kalamazoo County Fairgrounds, Kalamazoo, Michigan. The event is sponsored by the Kalamazoo County Chapter of MCEU. Contact 6151 Abbey Ave., Kalamazoo, Michigan.

CB Jamboree, June 27th and 28th, sponsored by the Crossroads CB Club, Box 41 Clare, Michigan. The event will take place at Clare County Fairgrounds, Harrison, Michigan. Monitor channel 7. Club standby is channel 9.

Lawrence County CB Radio Club, Box 404, New Castle, Pa., is sponsoring a CB Jamboree, June 21st, Willow Lake Picnic Grounds, one mile east of New Castle, Penna., on Route 422, Butler Road.

CB Jamboree—The event is co-sponsored by the Bexar County CB Radio Ass'n and the Corpus Christi CB Club, also the Aransas CB Club and the Texas CB Club. The

Continued on page 57

CB CHIT-CHAT

**INDIVIDUALS AND CLUB MEMBERS!
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Address correspondence to:

**JOHN KREJC, KB18077
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GARFIELD, N. J.**

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

Many A.P.R.E.'s still haven't renewed their press cards. If your card has expired, please drop S9, Club Editor, John F. Krejc, 60 Division Ave., Garfield, New Jersey, a note and the new press card will be on its way. Also, still available are the A.P.R.E. decals. For more info contact the above.

New appointments to the A.P.R.E. program this month are—A. J. Richardson, 3802 Merrick Drive, Houston, Texas; Shirley Burns, KLJ8748, 921 East Curtis Ave., Decatur, Illinois; Jim Roberts, K1C0701, Box 2772, Boise, Idaho; Murray Cain, 328 South Jackson Street, Durant, Miss.; Jon Batley, KH11466, 29803 Lake Road, Bay Village, Ohio; Barbara Godwin, KBD-1708, Bethel, Maine; Robert W. Boyd, 102 Williams Ave., Wellsville, New York.

EXTERIOR

The "TWENTY-ONE RADIO ASS'N OF HAWAII", meeting at Pearl Harbor, recently held its 1964 elections. President, Roy Ward, K1G0171; vice president, Dave Aunkst, K1C0655; Secretary-Treasurer, Ben Benninghoven, K1G0141-U4. The club meets on the second and fourth Wednesdays of the month, with a family night and buffet dinner at the latter meeting. Several of the members are active with the Oahu Civil Defense and participated in the tidal-wave alert resulting from the Alaskan earthquake disaster.

SPECIAL REPORT FROM ANCHORAGE, ALASKA APRE REPORTER. . . RAY WILLIAMS KBJ0035.

It was a quiet day on March 27th, with school out and most people were on their way home after a routine day at their various jobs when the spring break up came to Alaska and the construction season opened. Yes, the spring construction season started with a good shaking up as all of Alaska felt the earthquake that Friday evening shortly after 5:30. All power in the Anchorage area was out, including all means of communications which seemed to be true for the most of the state. It was on this day that CB Radio owners found themselves in a position of great need especially in the Anchorage and surrounding area. Just about any one that had a CB set including those whose sets had been setting on a closet shelf for several years collecting dust came out and offered their services where they may be used. The two CB organizations in the Anchorage area provided needed communications through the area for several days assisting state and city Civil Defense. The S-9 Citizens Band Radio Group teamed up with the search and rescue coordination center at the city of Anchorage Civil Defense center. These rescue teams were made up of volunteers from the Fire Departments in the Greater Anchorage area, the Alaska Mountain Rescue unit and many private individuals having the skills and equipment suitable for rescue work. The rescue teams were in direct contact with search and rescue center through the portable and mobile units of the S-9 Radio Group which greatly sped up their search activities in areas suspected of having people trapped or bodies to be removed from the rubble of fallen buildings in the business district and one residential area where homes were twisted, broken or slid into the sea. Another area of needed communications supplied by the S-9 Radio Group was the hospitals



in the Anchorage area. With power and telephones out, a communications net was established between the two hospitals still in operation, a nursing home, State Police and City Civil Defense headquarters. (No hospital in Anchorage was damaged, however, one was evacuated as a safety precaution). This radio net provided a communications system which proved vital to the entire Anchorage area during the aftermath of the earthquake. Arrangements for evacuation of patients, locating and arranging for transportation of much needed supplies and equipment. Liaison between the two hospitals in pooling of equipment and skills needed at various areas, with mortuary officials greatly expedited medical needs and reduced problems in the medical field at a time when communications was a vital item to the community. This was especially true at the time. Typhoid vaccine was no longer available at the hospitals. Through the use of CB Radio the proper medical supply agency was informed of the need and kept the hospital officials informed of the delay and arrival of the 200,000 units of typhoid serum.

Doctor William Davis, Professor of Physiology at Alaska Methodist University, who was in charge of the search and rescue coordination center Anchorage Civil Defense Center during an interview after emergency conditions ceased, had the following general comments with reference to the use of Citizens Band Radio: "I have one regret, I had no equipment of my own, if I had a set in my car I could have kept much closer with the situation." Radio communications is needed in search and rescue work but no radio has proven itself at high altitudes and cold temperatures due to battery failure, but it is a problem we hope to lick. During the recent disaster mobile CB units worked very well keeping contact with the check points that were set up. The S-9 Radio Group people having cool leadership, fit into a disaster situation and have the ability to make decisions when needed. Don't know what leads to it, but in situations like this, leads to mutual ability of people to work together. They realized there

COLLECTORS' ITEMS

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was a job to be done and knew what he had and could do. They were willing to sacrifice, do without looking for glory, working in cooperation among the fire, police, civil defense and military departments. I did not feel a duplication any place in the S-9's operations. Their base station had separate contact with search teams and knew where the teams were at all times and they seemed to know where to get supplies that were needed. S-9 had the kind of sacrificial giving we all needed, they seem to be used to living with hardships. Things don't get the best of them, they worked around the clock, from Saturday morning until Monday night providing a much needed communications network. I don't think they knew what sleep was during this period of crisis as their equipment was always on the air and on the go."

Mr. Edward Fortier, of the Providence Hospital, stated that the communications provided through citizens band radio was a vital link in the medical field when it was necessary to get a message through. Sergeant Gordon Nelson of the Alaska State Police who was stationed at the State Civil Defense Headquarters: "At first things were disorganized inside Civil Defense Headquarters. They were receiving messages from everywhere. If there had been a chance to get better organized, the S-9 group could have been put to better use by our department. The S-9 group relieved a state police unit at the Providence Hospital and located at the downtown and Spenard fire departments and the Alaska native hospital. So many communications lines were out and the S-9 messages did not tie up other communications in use. Their dispatch of units to find people and get needed items provided a necessary service to the community. This type of service is good for future use and has been a big help in the past. They had very good cooperation, delivered critical messages on serums, messages about patients, and needs of Providence Hospital. It was a good feeling knowing they were there, something like this is most important. Through the use of different communication services, Department of Fish and Game, State Police, Army, Air Force, Civilian Defense, and Citizens Band Radios, although not tied together could relay messages and this supplied a real service needed during the time of need."

NORTHERN

The Coastal Communication League is comprised of 30 men and women who together, are equipped with mobile and base units. Their purpose is to help in civic affair, emergencies and disasters. The club meets the third Tuesday of each month at the Grace Lutheran Church in Simers Point, New Jersey. Members are from Atlantic and Cape May counties. President of the newly reporting group is Benjamin Cramer. Thanks to Marie Cramer, Secretary.

Newly formed—The Belle-View Radio Club. Temporary officers at this printing are: President, Rudy Firkey, KBC4825; vice president, Phil Domey, KKA-1404; Secretary, Joe Beauregard, KBC4272; Treasurer, Tom Brady, 1W6943.

From Anna Miner, KB16617, comes the news of the newly formed Walton CB'ers Radio Club. President of the group is Stanley Marlett, KBG1754; vice president, Robert Parsons, KKD2989; Secretary-Treasurer, Anna Miner, KB16617. The club hails from Walton, New York. To answer Anna, dear it's a well guarded secret. Seems no one will tell you how to run a successful event. This writer will be attending jamborees in this and other areas, so we may run across the group from Walton somewhere.

An open letter from Ann Schattenberg, KIC6879—"No doubt, as in ham radio, there are many handicapped CB'ers across the country. However, I'd like to tell the readers of S9 about one of the members of our Clearfield CB Radio Club. Perhaps it will serve as an inspiration or incentive to others similarly handicapped. . . . Ronnie Leigey, age 21, is a muscular dystrophy patient confined to a wheel chair. Like all handicapped people, sometimes the days were pretty monotonous for Ronnie, although he tried to fill his time with reading, listening to music, TV and visiting with friends who dropped by to see him. Ronnie lives in a trailer home to which an extra room had been added for his personal use. He also had a short wave receiver which he listened to quite often. One day Ronnie picked up conversations between local CB'ers and that was the beginning of a new life for Ronnie. He inquired



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about CB, got his license, bought a base station and he was in business. Next came a mobile unit which he installed in his brother-in-law's car, since he sees that Ronnie has transportation when he needs it. During the winter months, Ronnie is confined pretty much to his home but he got to thinking about the good weather ahead when he could get out in his wheel-chair. Ronnie doesn't have an electrical wheel chair, but he has never lacked for friends to take him where he wants to go. So, he got thinking, why not a mobile unit for the chair? First thing was to acquire a transistor rig and then figure out how to mount it. This is what he did. He mounted the radio on the left arm of the wheel chair with a power pack directly under it. On the right arm he mounted a 97 inch telescopic whip with a ball and spring base. On a trial run it worked as well as a mobile on four wheels, rather than two. The metal arm of the chair helps supply the necessary ground connection. Although his hands are somewhat affected by his disability, Ron was also kept busy this past winter turning out attractive call signs for his friends mobile units. Some of these were cut from metal and used as a front license plate. Some of our local CB'ers are members of the CAP and Ronnie is presently applying for membership in it, hoping to become communications officer. Since joining the citizens band, Ronnie's private room at his trailer home has become a regular radio shack. His friends are always welcome and he enjoys having an "eye-ball" with mobile units passing through. If any of our friends from CB are ever in this area, don't be surprised if you hear KJ11068, MOBILE IN THE WHEEL CHAIR. That will be Ronnie Leigey. Otherwise give him a call on base. He will be happy to make the contact. We monitor channel 11 in this area. If any S9 readers would like to send QSL cards, his address is 411 Fairview Ave., Clearfield, Penna. There are probably many similar stories such as Ronnie's, but we here in Clearfield, feel the story of his determination and initiative is one to be proud of. We hope that it will be of help to others."

More than 500 CB'ers met at the Gorham Town Hall recently for the first annual round-up in North Country. The event was sponsored by the North Country CB Club and consisted of exhibits of electronic equipment and reports on latest developments in the field.

Fast results—The Western New York Frontiersmen CB Ass'n in existence only 14 months have become widely known to residents of Lockport and Niagara County. The club has been beneficial in many community affairs. Good luck to the club in the future. President is Peter Russell.

Jack's Mountain CB Club of Mount Union, Penna. and surrounding area, holds its monthly meeting on the last Friday of each month at 8:00 p.m. Place—The social room of the Union National Bank of Mount Union. All interested CB'ers plan to attend. The Penn Ridge Radio Club, with Donald Berle, KCC1541, president, meets every second Thursday of each month at 7:30 p.m. in the First Federal Savings and Loan Building, Sixth and Market St., Perkasio, Penna.

New vice president of the Bethel CB Monitors, Maine, is Oakley Godwin, KBC7876. Monitoring teams have been set up on a monthly basis of rotation. The team monitors channels within the local area, recording violations made by club members, without name and call signs. Communications teams within the club have been set up in case of emergencies. These teams will work in co-ordination with the local CD when called upon. The members are now active in planning a summer outing. John Morgan heads the committee. News of the group comes from Barbara Godwin, KBD1708.

Newly organized is the Tri CB Radio Club covering Philipsburg area, Penna. The club meets the first Thursday of each month at the local Penshire Clothes Mfg. Company, in their cafeteria. President is Frank Higill, KID8216; Secretary—Connie Verest, KID8448; Treasurer, Roger Webster, KJ11390; and Public Relations; Bernie Narasky, KID9389. The club recently purchased jackets for their members to wear to local jamborees and meetings.

On April 19, 1964, Regional REACT aided Nassau County Officials in the operation "Vaccine." REACT placed their portable antennas on the roof of the Nassau Medical Center Headquarters in Mineola and placed its radio on the 5th floor of the Medical Center. In the next room were telephone communications and between phone and CB radios—commu-

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July 1964 • 43

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magazines to come out in a long time. The club has once again distinguished themselves by providing the communications for San Antonio Relays (Seen on national TV). Dick Gallo is the new Parade Chairman, and from all reports, Dick will be a real asset to the group. (This is the same club that had charge of all the Communications at the Winter National Drag Races). General meetings are the 1st Tuesday of each month, at the Montclair Civic Center. Fremont & Bento, 7:30 p.m. If you're lost, try channel 9. The club address for all clubs that wish to exchange paper is P.O. Box 656, Pomona, California.

COMUPAC REACT . . . Word has come to our attention via Barbara Belke, KFB0602, that a new REACT unit is now in operation. Call COMUPAC REACT, Clearmount, Ontario, Montclair, Upland, Pomona and Chino, are the areas covered on channel 9. Starting with 16 members, the group now has 50 plus members. Communications Officer is Ed Belke KFA7978, Asst. Co. is Ora Dabney KFA8875, and Ted Miller KFA7459. Even though just started, the group has given many motorists informations on road conditions in the Big Bear and Crestline areas during the recent snow storms and heavy rains. Channel 9 is monitored 24 hours a day.

REACT of Orange County has come a long way since the start. All members have now completed the Red Cross class, 90% of all members are now signed up with the Salvation Army Disaster Communications Net. The mobile communications van is now painted and completed with the necessary monitoring equipment to handle any and all communications. Information may be had from the communications officer, Ed Maust, 11732 John St., Garden Grove, or from the club, Box 26, Midway City, California. The President, Bob Blalakey 11W8551, reminds all members that elections are coming up in September. Start thinking about your new officers.

Southern California 11 Meter League. One of the oldest clubs in the area. The league now has new officers and the hope is that all League members will once again get behind these fine groups of men and women who have taken on the job of making the league even better. Meetings are held the 1st and 3rd Thursday nights at the Bell Gardens Park.

nication was a success with the distribution of the polio vaccine.

Recently the Resisters Club of Boston gave a "cocktail sip" at the Big M Lounge in Boston. It was a gala, very well handled occasion due to the constant efforts of the club membership. Seems as if the women captured all the door prizes. News of the event comes from Madeline Ambush, Secretary.

WESTERN

The Hereford CB Radio Club was organized March, 1964. President, Leroy Bodkin, KEG1521; vice president, Andy Anderson, KEH2332; Secretary, Evelyn Bodkin, KEG1521; Treasurer, Vi Hysinger, KEH-2263. The purpose of this club is to have a better understanding of the FCC rules and regulations and to provide a social activity for its members. The club meets every second and fourth Monday of the month at 8:00 p.m., Hereford State Bank.

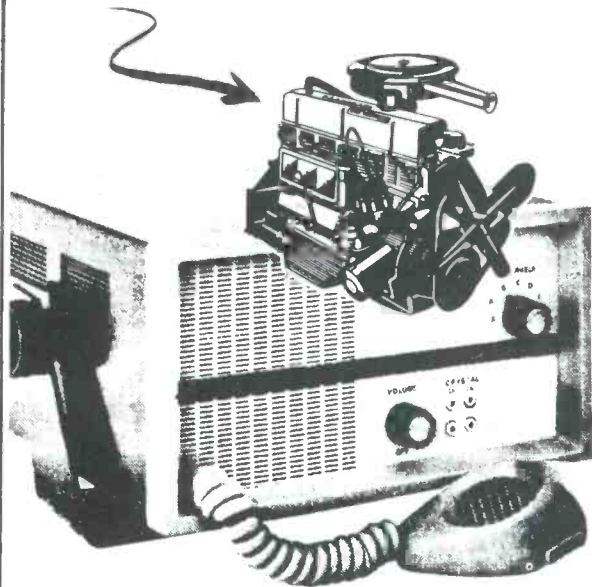
Officers of the 11-27 Club, Ventura, California are President, Earl Hansen, KFA5594; vice president, Alex Marquez, KEJ2922; Secretary-Treasurer, Ron Ulreich, KFA5936; Sgt. at Arms, Snapper Konecny, KEJ3867.

The Channel-Masters of Fort Ord, Seaside, California was formed to meet the needs of the military and other persons of semi-permanent nature in the Monterey Bay area. Channel 9 is their call channel. President of the group is Ron Myers, 18Q9169; vice president, Lee Redman, KFA8796; Secretary, Varlene Anderson, KFD5881. Presently there are 16 different call areas represented in the club.

Recently organized in the 15th area, the All American City CB's club of Grand Junction, Colorado, with all members to become members of REACT. The club monitors channel 11. President, Hank Bellgardt, KGC2563; Secretary, Betty Pedersen, KGC-1851; Treasurer, Robert Pedersen, KGC0638; Public Relations Officer, Donna Cosby, KGC1383. Meetings are held the 3rd Saturday of the month.

Pomona Valley 11 Meter Association. The new look has come to this fine club. The Printed Circuit, Publication of the club is by far one of the best

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El Camino Real CB Club . . . Officers of this Radio Club are—President Fred Wallsche, KFA8402; Vice President, Lauren Welch, KEJ1102; Treasurer is George Sommers, KEJ1815. Try channel 2 when in the area.

REACT of Southwest Ia. . . . Always a good cup of coffee is served the 1st Saturday of each month at the Pancake House, Supulvila & Hawthorne Blvd., Torrance, California. Bill Carpenter, President, has the gang into civic activities and requests all members to be sure and make the meetings. Channel 11 is always ready to serve you while in the Torrance, Long Beach, San Pedro areas.

Valley CB Association . . . From 9-11 a.m. any Sunday morning you can find some of your CB friends at the breakfast. Matador Bowl, Balboa & Nodhoff. Gary Garret is the congenial host, and the whole Valley should be proud of the job that Gary and the Valley Association has done. No reason to get lost, 'cause channel 11 is always ready to give all the information regarding the clubs activities. Some of the Southern California CB'ers might mobile over some Sunday and take a look at all the goodies on the prize table. . . . Wow!

Newport Beach Coffee Break . . . The pleasant attraction seems to be the good old talk about radio. How's the fishing and why is your wife sick. No club and no association, but just a nice group of Citizens Band operators, who meet each Tuesday night at the International Pancake House, on 17th St. in Costa Mesa. Any and all boat lovers, while in the Newport Beach area should use channel 21, which is active and always ready to help any CB'er. 11Q1832 is on most of the time. KFA6550, Mac, from Huntington Beach is likewise always ready to help.

Another new CB Radio Club, from Naples, Texas, and going strong and meets the 2nd Thursday of each month at the Vaughn Service Station, on Hiway 67. President, Leslie Vaughn, KEH0196; Vice President, B. L. Richards, KEH1388; Secretary-Treasurer, Gerald Hampton, KEG4254. This is just another club that ECO has started in the area. At present about 60 clubs are using part or all of the ECO By-Laws. The Emergency Communications Organization and the CD were called into service, recently to help in

dragging and diving operations. The ECO has about 55 members at this writing.

PACIFIC

Little less than a year ago, the Napa County Emergency Auxiliary Radio Service was formed in Napa, California. This group was organized primarily as a service organization, with emphasis on providing efficient communications for any type of emergency, as well as performing public service functions, such as traffic reporting on holiday weekends. President of the group is Jim Connor, 12W1890. Jim has secured the cooperation of the local radio station, KVON, and they have offered to assist in any way they can.

The Douglas CB Radio Inc., Roseburg, Oregon, now has a communication center bus in operation. The unit is working with several mobile units and their Search and Rescue Team, and is available to any civic or non-profit organization for emergency help.

The Treasure Valley CB Club was organized to promote the use of CB Radio in the Treasure Vall area in the public interest. The club promotes the use of CB radio with communications for public safety groups, such as CAP, CD, Rescue Teams, etc. President of the group is Jerry Holt, KFF1219.

Recently formed is the Snake River Valley CB Club. The club has an active membership of 64 and is headed by President, Marvin Snook, KFG1902; Vice President, Robert Howard, KFG0344; Secretary-Treasurer, Forrest Spath, KFG1676. Club meetings are held the 3rd Saturday of each month, rotating meeting places are the Home Federal Club Room in Nampa and Caldwell, Idaho. Most of the members monitor channel 9 or 11. Their motto is "Public service search and rescue."

From Oregon comes the Volunteer Emergency Mobile Squad, located in the county of Lane. Presently 31 members have formed this club within one week. The club's main function is to provide emergency services throughout the state when needed. The club will not charge any dues, but if you reside in Oregon, you are invited to join, for your skills would



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help in the state. The club would like to form units or squads, all over the state, that would co-operate with them in the time of emergency. All interested parties should contact: Floyd G. Emerson, 1710 "J" St., Springfield, Oregon.



ATLANTIC

The Cee Banders Radio Phone Club and the Birmingham Emergency Unit, Inc., of Birmingham, Alabama, recently jointly provided transportation for the handicapped people attending the annual Wheelchair Convention sponsored by the V.F.W. Members provided small buses and muscle power.

Recently the Citizens Radio Emergency First Aid Squad, and many fellow CB'ers from the Virginia aided in the Polio Vaccine Drive. The drive was held in the nation's capital, with a united effort for the area CB'ers. Thanks from the club to the many that helped. News of the event comes from Ronald Edmonds, Sr., KLV0117.

CENTRAL

The Ramsey County Five Watters CB Radio Club of Saint Paul, Minnesota, recently held a "penny auction." Each member donated one or more articles. Bids started at one cent to twenty-five cents. The result was a great evening of fun which netted the treasury a few dollars. The event is planned in the near future. President, Ray Ison, reports that the club is getting larger all the time. A membership drive is on and the member bringing in the greatest number of applications by December, will receive a plaque.

The Illinois Valley CB'ers from Princeton, Illinois. President is Bill Olson, KHC8249, Vice President, Don Turner, KBH1474; Secretary, Evelyn Fox, KHD-7055; Treasurer, Pearl May, KHE1297. The club monitor channel 7.

Recently held was the Q-5 Radio Club annual banquet at Perkins Pancake House in Cleveland. Guest speaker was Norman Hotois, Director of Civil Defense Communications for the Brookpark area. President of the club, Sig Hufenbach, KH13300; Vice President, Lester Bubel, KHJ1279; Secretary, Rick Hilberg, KHJ2079; Treasurer, Bud Barnes, KHH4340. News of the group comes from Jon Batley, KH11466, Editor of the Q-5 Radio News.

Received a real fine classy club paper from the Ohio CB Co-Ordinators. Editor of this fine publication is Julie Tiller, KH12079, U2. President of the newly reporting group is Joe Porro, KHG6940. Notice of the jamboree was received too late for publication. Let's hear more from the group.

The Alex-Elwood CB Society Club of greater Elwood area recently held their meeting at the Fairmount Park, Fairmount, Indiana. The meeting get-together was a pitch-in Pot Luck affair. The club provided the coffee and pop. The club also recently

held a skating party for the members. Only problem was sore and swollen muscles the next day. A.P.R.E. Ralph Harter, KHB2574.

Officers of the Logansport CB Radio Club: President, Jack Smiley, KHD9749; Vice President, Jim Simms, KHD4322-U2; Secretary-Treasurer, Gwen Simms, KHD4322-U2; Communications Officer, Lee Bauer, KHD6752. A.P.R.E. Ralph Harter was voted into the club as an Honorary Social Member. Thanks.

Meetings of the Land of Goshen CB Club are held the 2nd and 4th Saturday of the month, 7:30 p.m., Western Rubber Union Hall, on Plymouth Ave. The club monitoring channel is 9. Membership is about 38. President, Ted Feldman, KHC4273; Vice President, Wally Bollinger, KLJ0064; Secretary, Pat Feldman, KHC4273-U2; Treasurer, Andrew Jackson, KLJ0172. A.P.R.E. Ralph Harter.

President of the Citizens Radio Club of Wichita, Kansas are: President, Delbert Freed, KGH1314; Vice President, Herb Hamm, KGI3244; Secretary, Bud Farmer, KGH3521; Treasurer, Bill Blanchard, KGH2424. Editor of the fine publication, The Signal, is Elmer Clayton, KGI3200.

Recently organized is the 10-4 CB Club, which holds their meetings every 3rd Sunday of the month. President of the growing group is Laverne Yeadon, KHC4059; Vice President, Jim McCarthy, KHC3897; Treasurer, Harry Nickols, KHD4270; Secretary, Donna Niles, KHH3125. The club hails from Janesville, Wisconsin.

The Five Watt Wizards of North Central, Mo., scrambled for an emergency in the Hamilton, Mo. area recently. Sheriff Robinson, of that city, asked the CB mobile units to aid in the search for an elderly man missing over night. Mrs. Russell Jones, KGI2734, acted as control and all available units left the Chillicothe, Brookfield, Dawn, Laclede and Breckenridge areas as soon as possible. Anyone interested in a good active CB club, living in and around any of the above mentioned cities, should contact: Five Watt Wizards, 621 South Main, Brookfield, Missouri—or President Hurlless King, 803 Calhoun St., Chillicothe, Missouri.

From the Cook County CB Radio Club, Illinois: "Jerry Ronge, 58 years of age, bedridden for the last 27 years with arthritis and blind for the last year, passed away March 27, 1964, in his home in Berwyn, Illinois, where he had resided for the past 24 years. Several friends helped Jerry make his last year interesting by helping bring new voice to him via CB Radio. Mr. F. Albert of Berwyn donated



and installed a colinear antenna and Mr. R. W. Foley of Chicago set up a CB Radio in Jerry's room. This was no ordinary transmitter since all the controls had been modified so that with a light touch and a flick of his fingers Jerry could without pain manipulate all the controls with the special knobs. The set itself was on a special stand and the microphone was mounted on a long arm extending from the set and

Continued on page 57

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CARD SWAPPERS UNLIMITED

SWAPPERS, ATTENTION!

This month finds us with a fistful of complaints that a lot of people listed in CSU apparently just want to see their name in print and have no intentions of actually swapping. We have also received numerous possible solutions to the problem from readers—these range from our running a monthly "Blacklist" of non-swappers, all the way to our having each swapper listed sign an oath that he will actually swap "or else." Rum-maging through the suggestions we have decided that the best way to handle the situation is to discourage the dead-wood by asking for a nominal listing charge of 10 cents per month—and this should certainly frighten off the crew who is too cheap to place a 4 cent stamp on a 2 cent QSL card to respond to a brother CB'er who took the trouble to send him a card. The dime will not break anybody who is sincerely interested in swapping. This will not effect those CB'ers who sent in for several months in advance and who still have QSL's sitting in our files to be run for the next few months. It will affect all QSL's which arrive here on or after this issue goes on sale.

You can still submit cards for more than one month, however it will be 10¢ per month for a listing. No stamps, checks or money orders—coins only. Cards submitted without payment, or with stamps, checks or money orders will not be run, acknowledged or returned (checks and money orders will be destroyed). The deadline for the September issue listings will be July 12th. Address your cards to: Card Swappers Unlimited, S9 Magazine, 14 Vanderventer Avenue, Port Washington, L.I., N.Y. 11050.

Swappers award rules are available from this office at no cost and may be had by requesting same and enclosing a stamped, self-addressed, envelope. Here are the award winners for this month:

- SACA 148 Eileen Inns, 11Q2714, Newport Beach, Fla.
 149 George Solomon, KCD2574, Hellertown, Pa.
 150 Fred Blackwell, KCJ5963, Sherrill Ford, N.C.
 151 Scott Bruning, KGC1056, Colorado Springs, Colo.
 152 R. N. Abercrombie, Birmingham, Ala.
 153 Donald Becker, KGC1053, Denver, Colo.
 154 Ben Biro, XM15-065, Penticton, B. C., Canada
 155 Bill Rosen, KH18546, Latonia, Ky.
- PX-25 269 Laymond Curtis, KDD7608, Nashville, Tenn.
 270 George Masny, KKD3296, New York, N.Y.
 271 Carol Bergal, KFD5703, Campbell, Calif.
 272 Francois Goyer, Drummodville, P. Q., Canada
 273 J. R. Stephens, KFD5533, Palo Alto, Calif.
 274 Donald Brandt, Short Hills, N.J.
 275 Harman Heller, KBJ2055, New York, N.Y.
 276 Robert Gallery, KCG3236, Chevy Chase, Md.
 277 Stephen Maier, KLP0786, Medina, N.Y.

- 278 William Noonan, KCD3905, Ft. Washington, Pa.
 279 Bill Giles, College Park, Md.
 280 Thomas Greiner, KHD1402, Quincy, Ill.
 281 Donald Farrington, KHD5784, Monmouth, Ill.
 282 Roy Welcher, KGF0308, Huron, So. Dak.
 283 Lois Lowell, KCD6109, Sellersville, Pa.

- PX-50 225 Laymond Curtis, KDD7608, Nashville, Tenn.
 226 Carol Bergal, KFD5703, Campbell, Calif.
 227 J. R. Stephens, KFD5533, Palo Alto, Calif.
 228 Jon Batley, KHI1466, Bay Village, Ohio
 229 Dale Kephart, KCD1732, Bethlehem, Pa.
 230 Stephen Maier, KLP0786, Medina, N.Y.
 231 George Hunt, KBJ1722, Middletown, N.Y.
 232 Gene Coken, KCD3646, Bethlehem, Pa.
 233 Dewey Watkins, 24Q0244, Washington, D.C.
 234 R. N. Abercrombie, Birmingham, Ala.
 235 George Solomon, KCD2574, Hellertown, Pa.
 236 Ivette Moreau, KBC9598, Lawrence, Mass.
 237 Thomas Greiner, KHD1402, Quince, Ill.
 238 Robert Ripley, KEB4496, Fayetteville, Ark.
 239 Donald Farrington, KHD5784, Monmouth, Ill.
 240 Roy Welcher, KGF0308, Huron, So. Dak.
 241 Lois Lowell, KCD6109, Sellersville, Pa.
 242 Dick Fuhrman, KBH1789, Dubuque, Iowa

- PX-75 177 Ed Ross, KCG3689, Eastville, Va.
 178 Shirley Burns, KHB2646, Decatur, Ill.
 179 Eileen Inns, 11Q2714, Newport Beach, Calif.
 180 Carol Bergal, KFD5703, Campbell, Calif.
 181 J. R. Stephens, KFD5533, Palo Alto, Calif.
 182 Dale Kephart, KCD1732, Bethlehem, Pa.
 183 James Eshleman, Liberty Grove, Md.
 184 Lloyd Gosa, KDD7884, Americus, Ga.
 185 R. N. Abercrombie, Birmingham, Ala.
 186 Bill Stroud, KJI1090, Corning, N.Y.
 187 Dewey Watkins, 24Q0244, Washington, D.C.
 188 Roy Welcher, KGF0308, Huron, So. Dak.

- PX-100 163 Ed Ross, KCG3689, Eastville, Va.
 164 Fred Blackwell, KCJ5963, Sherrill Ford, N.C.
 165 J. R. Stephens, KFD5533, Palo Alto, Calif.
 166 Scott Bruning, KGC1056, Colorado Springs, Colo.
 167 Raymond Turek, KGC0267, Denver, Colo.
 168 Dale Kephart, KCD1732, Bethlehem, Pa.
 169 R. N. Abercrombie, Birmingham, Ala.
 170 Bill Stroud, KJI1090, Corning, N.Y.
 171 John Moore, Omaha, Nebraska
 172 Eddie Becker, KCG0706, Alexandria, Va.
 173 William Ferbrache, 18Q2631, Terre Haute, Ind.
 174 Ben Biro, XM15-065, Penticton, B. C., Canada
 175 Roy Welcher, KGF0308, Huron, So. Dak.

- PX-125 114 Fred Blackwell, KCJ5963, Sherrill Ford, N.C.
 115 Geo. Radenheimer, KHH1363, Middletown, Ohio
 116 John Moore, Omaha, Nebraska
 117 Orville Wakeman, KHG3318, Battle Creek, Mich.
 118 Eddie Becker, KCG0706, Alexandria, Va.
 119 William Ferbrache, 18Q2631, Terre Haute, Ind.
 120 Dan Guthrie, KDB1435, Spruce Pine, N.C.
 121 Seth Paull, KBC8691, Bristol, R.I.
 122 Bill Rosen, KH18546, Latonia, Ky.

- PX-150 105 Gene Bull, KFA1059, Sierra Vista, Ariz.

CITY..... STATE.....

- 106 Wally Foster, KFA1060, Sierra Vista, Ariz.
 107 R. N. Abercrombie, Birmingham, Ala.
 108 Eddie Becker, KCG0706, Alexandria, Va.
 109 Iono Velpel, KHA8376, Garrett, Ind.
 110 Dan Guthrie, KDB1435, Spruce Pine, N.C.
 111 Raymond DeShong, KJC7607, McConnellsburg, Pa.
- PX-175 102 Stanley Penc, KJI3337, Utica, N.Y.
 103 R. N. Abercrombie, Birmingham, Ala.
 104 Dan Guthrie, KDB1435, Spruce Pine, N.C.
 105 Fred Martz, KID0007, Hustontown, Pa.
 106 Raymond DeShong, KJC7607, McConnellsburg, Pa.

- MSA 124 Scott Bruning, KGC1056, Colorado Springs, Colo.
 125 R. N. Abercrombie, Birmingham, Ala.

- SSC-1 130 Donald Becker, KGC1053, Denver, Colo.
 131 R. N. Abercrombie, Birmingham, Ala.
 132 Robert Thatcher, KBG7687, Hudson, N.Y.

- SSC-2 118 R. N. Abercrombie, Birmingham, Ala.
 119 Gene Bull, KFA1059, Sierra Vista, Ariz.
 120 Wally Foster, KFA1060, Sierra Vista, Ariz.

- SSC-10 101 Dan Guthrie, KDB1435, Spruce Pine, N.C.

- SSC-11 101 Dan Guthrie, KDB1435, Spruce Pine, N.C.

Here are the swappers for this month:

- 1A2068 Charlotte Hotte, RFD, Box 326J, Gardner, Mass.
 1Q0133 Chick Banta, 66 Ensign St., East Hartford, Conn.
 1Q0407 Gerald Lemire, 59 Summer St., Berlin, N.H.
 1Q3584 Marty Newfield, P.O. Box 44, Taunton, Mass.
 1Q6016 Mike Rocconella, 2 South Elm St., Windsor Locks, Conn.
 1Q6865 Tom Howarth, 52 Lincoln St., Esmond, R.I.
 1W0892 Ralph Campbell, 27 Beale St., Dorchester, Mass.
 1W2963 Arthur Wart, 11 Perkins St., Arlington, Mass.
 2A3721 Ken Levitt, 9-18 Burbank St., Fair Lawn, N.J.
 2A5081 Richard Mintz, 37 Frelinghuysen Ave., Newark, N.J.
 2A5504 Ellis Daigle, 882 Oregon Ave., Schenectady, N.Y.
 2A5804 Irv Hershkowitz, 555 East 19th St., Brooklyn, N.Y.
 2Q0602 Arthur Hamm, Church St., Philmont, N.Y.
 2Q1011 Les Strassman, 530 Olive Terr., Union, N.J.
 2Q1147 George Delaney, 308-47 St., Union City, N.J.
 2Q1911 Bill Plog, 11 Gould Rd., Centereach, L.I., N.Y.
 2Q4255 Sid Blurreich, 3126 Coney Island Ave., Brooklyn, N.Y.
 2Q4569 Charles Miller, 23 Manning Ave., No. Plainfield, N.J.
 2Q5468 Walt Alexander, 1233 Woodruff Ave., Hillsdale, N.J.
 2W2829 Sal Raiti, 41 Bay 41 St., Brooklyn, N.Y.
 2W7638 Bill Holt, 314 Mountainview Terr., Dunellen, N.J.
 2W8966 Helen Hiatt, P.O. Box 482, East Setauket, L.I., N.Y.
 2W9921 Al Shuhart, 35 Lakeview Ave., Hartsdale, N.Y.
 3Q1231 Bill Ratliff, North 3rd St. Box 307, New Freedom, Pa.
 3Q1698 Albert Moser, 224 N. Church St., Bally, Pa.
 4Q1297 Jim Saurborn, P.O. Box 1955, Fairmont, W. Va.
 5Q1139 Claude Coggin, P.O. Box 634, Badin, N.C.
 5Q1286 Bill Gary, 3406 Hermitage Rd., Richmond, Va.
 5Q1727 Roger Via, 3436 New Spring Branch Rd., Roanoke, Va.
 6Q0054 Glenn Poore, 1316 Hixson Pike, Chattanooga, Tenn.
 6Q0914 Paul Skidmore, Box 243, Rockwood Rt. 1, Tenn.
 6Q5316 Larry Jewell, 221 Cedar Springs Rd., Spartanburg, S.C.
 6W4390 Claude Witt, 206 Dunbar Lane, Crossville, Tenn.
 6W7263 Bill Orton, 914 Altamaha St., Chattanooga, Tenn.
 9Q1209 Lee Lichtenstein, 130 E. Lynwood, San Antonio, Texas
 10Q0042 John Todd, 525 West Crosby, Slaton, Texas
 10Q0346 A. G. Franks Jr., Wagoner, Okla.
 10W1893 Paul Draper, 2226 Rio Grande St., San Angelo, Texas
 11Q1313 George Strainline, 1171 W. Miracle Mile, Tucson, Ariz.
 11Q2714 Eileen Inns, 530 Catalina Dr., Newport Beach, Calif.
 11W2370 Mike Zussman, 8078 N. 15th Ave., Phoenix, Ariz.
 12W2628 John Colombo, 667 No. San Pedro St., San Jose, Calif.
 16Q0582 Bob Fotter, Viborg, So. Dak.
 16Q1077 Philip Nelson, P.O. Box 472, St. Croix Falls, Wisc.
 16Q1960 Ralph Sorensen, P.O. Box 131, Bay City, Wisc.
 17Q1339 Jack Doggett, 8060 Dema Dr., Des Moines, Iowa
 17W1746 Bob Kellen, 844 S. 18th St., Fort Dodge, Iowa
 18B2647 Joel Davis, 7644 N. Kedvale, Skokie, Ill.
 18B2648 Glenn Davis, 6143 N. Rockwell St., Chicago, Ill.

- 18Q3998 Tom Fontana, Rt. 1, Box 9, Grayslake, Ill.
 18Q4913 Tom Leadbetter, R.R. 4-Box 40, Muncie, Ind.
 18Q9169 Ron Myers, Box 102, Jolon, Calif.
 18Q9633 Bruce Paulsen, Rt. 1, Box 316, Mundelein, Ill.
 18W8648 Virgil Schroeder, P.O. Box 63, Cedarville, Ill.
 18W8750 Chuck Petersen, Rt. 2, Box 545, St. Charles, Ill.
 19A5964 Stan Slicker, 2310 Conmor, Hamtramck, Mich.
 19Q0707 Jim White, Box 108, Syracuse, Ohio
 19Q4622 Earl Franklin, 18 Bradford St., Battle Creek, Mich.
 19Q8152 Kasten TV Service, 5916 Westbrook, Cleveland, Ohio
 19QA0442 Art De Fraim, Harbor Beach, Mich.
 19QA0465 Braden Roberts, 795 Spring Garden Pl., Dayton, Ohio
 19W4980 Joan Webster, 10170 Hyde Park, Romulus, Mich.
 20Q0255 Philip Lundy, 48 Sodus St., Clyde, N.Y.
 20Q1360 Ivan Smith, 419 Water St., Danville, Pa.
 20Q2459 Spurgeon Brinker, 426 N. 2nd St., Jeannette, Pa.
 20W2074 Joseph Rybarczyk, P.O. Box 63, Auburn, N.Y.
 20W3416 Helen Rybarczyk, 41 Havens Ave., Auburn, N.Y.
 20W4590 Jud McNamara, RD. 3, Towanda, Pa.
 20W4826 Bernie Cohensours, 407 S. Division St., Mt. Union, Pa.
 20W4883 Elmer Banta, 430 E. Main St., Plymouth, Pa.
 20W5494 Don Kalbflesh, South from Chambersburg, Pa.
 20W7644 Paul Richard, 3120 Chatham Rd., Endwell, N.Y.
 24Q0244 Dewey Watkins, 1811 Irving St., N.W., Washington, D.C.
 KA12017 Dwight Tolbert, Virginia Mountain Boy, Rt. 1, Saltville, Va.
 KAP0020 Jeff Weiss, 285 Walton Ave., So. Orange, N.J.
 KBA3700 Stan Krzak, 65 Main St., Pawt., R.I.
 KBA4056 William Hulbert, 137 West Rock Ave., New Haven, Conn.
 KBA4431 Art Blake, 155 Hillcrest Way, Hartford, Conn.
 KBA5993 Oscar Leavitt, 66 Vernon St., Worcester, Mass.
 KBA6853 Sebastian Calvo, 122 Brookside Circle, Wethersfield, Conn.
 KBA8463 Horace Rosemond, 55 Acton St., Hartford, Conn.
 KBA8595 Lee Aspinall, 20 Forest Ave., North Haven, Conn.
 KBB0815 Walter Sacilowski, 158 Mt. Pleasant St., Norwich, Conn.
 KBC1024 Ron Duhaime, 250 West St., Bristol, Conn.
 KBC1061 Bob Kaw, 225 Merriman Rd. Rainbow, Windsor, Conn.
 KBC1928 Joe Sikorski, 238 Main St., S. Glastonbury, Conn.
 KBC2451 Eric Ruderman, 21 Drury Lane, Wakefield, Mass.
 KBC2565 Vincent Arakelian, P.O. Box 2946, Providence, R.I.
 KBC2574 Harold Bishop, 4 Phillips St., Norwalk, Conn.
 KBC3548 Gary McTrottes, 301 Exchange St., Fair Haven, Conn.
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 KBC4611 Ralph Campbell, 27 Beale St., Dorchester, Mass.
 KBC5144 Ray Peloquin, 295 Main St., North Uxbridge, Mass.
 KBC5447 Charlie Dorey, 55 Gates St., Portsmouth, N.H.
 KBC6059 Ron Parisi, 322 Broadway, Haverhill, Mass.
 KBC6097 Gary Shamel, 61 Alcott St., Acton, Mass.
 KBC6273 Mary Hammersley, 77 Saxony Rd., Framingham, Mass.
 KBC7001 Anthony Telesco, 19 Wardwell St., Stamford, Conn.
 KBC7046 Gilbert Phillips, 12 Roton Ave., Rowayton, Conn.
 KBC7503 Russ Treadwell, 33 Mechanic St., Marblehead, Mass.
 KBC7782 J. T. Elliot, 47 Holbrook Rd., Seymour, Conn.
 KBC7900 Dick Kuzma, 64 Temple St., Rutland, Vt.
 KBC8199 Jim Palance, 3 Dewey Ave., Torrville, Conn.
 KBC8321 Ruthie Dorey, 55 Gates St., Portsmouth, N.H.
 KBC8363 Ron Lizotte, 11 Thorndike St., Arlington, Mass.
 KBC8795 Jerry Chauvin, 181 Beach St., Fall River, Mass.
 KBC9193 John Weigel, 119 Shaw St., New London, Conn.
 KBC9231 Frank Rurka, 156 Rowland Dr., E. Hartford, Conn.
 KBC9510 Roger Wright, RFD, 3, Augusta, Maine
 KBC9540 Elmer Shephard, RFD, 2, Box 333B, Wells, Me.
 KBC9577 Don Oates, 99A Margaret St., So. Portland, Me.
 KDC9798 Sam Bellomo, 30 Homestead Ave., Southington, Conn.
 KBC9823 Mike Cashin, 2 Trickett Rd., Lynnfield, Mass.
 KBD0423 Ernest Ford, 28 Bowdoin St., Providence, R.I.
 KBD0454 Ed Harhausen, 20 School St., No. Woburn, Mass.
 KBD0609 Tom Mazza, 518 Ellis St., New Britain, Conn.
 KBD1104 Rich Rurka, 156 Rowland Dr., E. Hartford, Conn.
 KBD11874 Bob Knowles, 96 Jennie Lane, Warwick, R.I.
 KBD1225 Superior Glass Co., 467 South Main St., New Britain, Conn.
 KBD1841 The Rists, 153 W. Thames St., Norwich, Conn.
 KBD1874 Gene Thomas, 148 Eastern Ave., Worcester, Mass.
 KBD2137 Cecil Shone, 96 Davis Dr., Bristol, Conn.
 KBD2900 Peg Radune, 77 Midrum Rd., Berlin, Conn.
 KBD2924 Ray Sanford, 203 Church St., Whitinsville, Mass.
 KBD3175 Vickie Coyette, 61 Garden St., W. Springfield, Mass.
 KBD3204 Gene Hulser, 368 Stoneridge Rd., Bridgeport, Conn.
 KBE0160 Mike Hamilton, 12 Mayhew St., Hopkinton, Mass.
 KBE0250 Art Steunagel, 126 Berlin Ave., Southington, Conn.
 KBG0528 Robert Simmons, 85 Mansion St., Poughkeepsie, N.Y.
 KBG0872 Stanley Belth, 27 Race St., No. Plainfield, N.J.
 KBG2043 Barry Barras, 337 Richard Way, North Plainfield, N.J.
 KBG3796 Al Geldhauser, 543 13th Ave., Newark, N.J.

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 KBG4719 John Drewes, Lighthouse Dr., Saugerties, N.Y.
 KBG4952 A. Aronowitz, 91 Haussler Terr., Clifton, N.J.
 XBG5235 Frank Gerlach, 94 Dewey St., Newark, N.J.
 KBG6190 George Miller, 32 Manning Ave., Plainfield, N.J.
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 KBH1609 John Peterson, R.R. 1, Scaton, Ill.
 KBH1755 Bob Darling, Owensboro, Ky.
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 KBI3083 George Brow, 922 O'Brien Ave., Schenectady, N.Y.
 KBI3455 John James, 299 1/2 Lark St., Albany, N.Y.
 KBI3589 Roy Overbaugh, 542 Vischer Ave., Schenectady, N.Y.
 KBI3661 Bob Bucianan, 79 Bayard Lane, Princeton, N.J.
 KBI4015 Bob Gregilovich, 24 N. Bridge St., Paterson, N.J.
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 KBI5362 Ronnie Krauss, 1643 - 44 St., Brooklyn, N.Y.
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 KBI5668 Ray Scheeren, Hopewell Jct., N.Y.
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 KCC3964 Jim Upton, 827 North Tenth St., Allentown, Pa.
 KCC4129 Frank Foster, 104 W. Marshall Ave., Blackwood, N.J.
 KCC4187 Bud, 9 Albert St., Hainesport, N.J.
 KCC4288 Pete Salemo, 1432 Highland Ave., Fort Washington, Pa.
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 KCD0793 Lloyd Borzell, 18 S. Fourth St., Pleasantville, N.J.
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 KCD2164 Ruth Stirling, RFD. 3, Vincentown, N.J.
 KCD2183 John Siglin, Canadensis, Pa.
 KCD2439 Jim Ginter, R. D. 5, Mechanicsburg, Pa.
 KCD2574 George Solomon, 1254 Second Ave., Hellertown, Pa.
 KCD3032 Tom Nefos, 328 W. Pine St., Mahanoy City, Pa.
 KCD4212 Rick Firmani, 110 Olga Rd., Elsmere, Wilm., Del.
 KCD5093 Carl Ellerman, RD. 1, Landsburg, Pa.
 KCD5222 William Wright, R. D. 1, Green Lane, Pa.
 KCD5294 Aral Moser, Rt. 1, Box 307AA, Coplay, Pa.
 KCD5295 Arlan Moser, Rt. 1, Box 306, Coplay, Pa.
 KCD5385 William Wright, RD. 1, Green Lane, Pa.
 KCD5645 Fred Ziegler, Box 343, Dover, Pa.
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 KCD6310 Max Silberman, 32 State Rd., Baia, Pa.
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 KCG0346 Bailey Curtis, 1028 Harrison Ave., Elkins, W. Va.
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 KCG2172 Warren Kenny, 204 Maryland Ave., Cambridge, Md.
 KCG2448 John Ritchie, Pilot Town Rd., Conowingo, Md.
 KCG2999 Charles Weddle, Box 342, Hagerstown, Md.
 KCG2598 John Massie, 13 Wabash Ave., Hagerstown, Md.
 KCG2599 Rick Myers, 6031 Atteentee Rd., Springfield, Va.
 KCG2666 Craig Olson, 7204 Greenville Place, Springfield, Va.
 KCG2861 Jim Wood, 7206 Reservoir Rd., Springfield, Va.
 KCG2907 Virgil Feather, Terra Alta, W. Va.
 KCG310 Alan Mentzer, 133 Elm St., Hagerstown, Md.
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 KCG4001 Mel Richard, 124 E. Monmouth St., Winchester, Va.
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KDI1690 Laurence Kirk, 535 37 St., Saint Petersburg, Fla.
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KGH2456 Bert Chandiee, 811 Elm St., Lawrence, Kansas
 KGH2584 Joseph Rose, 1009 Figg, Wichita, Kansas
 KGH4566 Arnie & Maxine, 1804 E. 25th St., Des Moines, Iowa
 KGH4778 Bob Huffman, 3100 Meadow Lane, Topeka, Kansas
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 KG12237 Ernie Warren, 704 1/2 Cherokee, Leavenworth, Kans.
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 KG15182 Earnest Mc Aninch, 4520 S. E. 14th St., Des Moines, Iowa
 KG15199 Connie Bowker, 823 E. Chestnut, Arkansas City, Kansas
 KG16093 Ed Eakin, 902 Carlisle St., Killeen, Texas
 KG17196 Charles Parrish, R. R. 3, New London, Mo.
 KG17918 Edmon Triplett, 1230 11th St., Des Moines, Iowa
 KG18017 Mel Hammer, 2801 No. St., Clair, Wichita, Kansas
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 KHA6706 Russell Mahoney, R. R. 1, La Fontaine, Ind.
 KHA7715 Eugene Hutchison, Roann, Ind.
 KHA9034 Bill Nichols, 1470 Locust St., Dubuque, Iowa
 KHB1179 Harold Seibert, 814 South Shelley, Peoria, Ill.
 KHB1925 Bob Born, 915 W. Waggoner, Decatur, Ill.
 KHB2115 Ken Raypoltz, Bouse Dr., Silver Lake, Ind.
 KHB2587 Bob Perdue, 213 Wabash Ave., Carthage, Ill.
 KHB2793 Chuck Hanson, 901 E. Fremont St., Appleton, Wisc.
 KHB2799 Shobe Shireman, 617 Glendale Dr., Columbus, Ind.
 KHB3290 Everett Bebout, 1112 N. Gregory, Urbana, Ill.
 KHB3422 Roiland Gentry, R. R. 1, Lakeville, Ind.
 KHB3556 John Ernstberger, 3516 S. Hermitage Ave., Chicago, Ill.
 KHB4506 Peg Born, 915 W. Waggoner, Decatur, Ill.
 KHB4591 Ed Rotberg, 7931 Kenneth, Skokie, Ill.
 KHC1005 Jo Ann Fisher, 2214 Hawthorne, Evansville, Ind.
 KHC1301 Eileen Coplin, 109 N. Franklin St., Garrett, Ind.
 KHC1649 Joyce Lester, 709 South St., Danville, Ill.
 KHC3025 Harold Smith, 106 Fairlane Ave., Goshen, Ind.
 KHC3167 Bruce Griffin, 808 South 6th St., Monmouth, Ill.
 KHC3315 Jack Magers, P. O. Box 2105, Anderson, Ind.
 KHC4131 Eric Adams, 7506 Kolmar, Skokie, Ill.
 KHC4949 Ken Brownfield, R. R. 4, Champaign, Ill.
 KHC4968 Roger Giday, Rt. 1, Box 512, Grass Lake, Antioch, Ill.
 KHC5669 Larry Sheedy, R. R. 4, Box 143, Elwood, Ind.
 KHC6483 Jack Wolsieffer, 5 Park Ave., Lafayette, Ind.
 KHC7265 Laux Communications Service, 2425 E. Nevada, Urbana, Ill.
 KHC8528 Jack Mitchell, Box 25, Bedford, Ind.
 KHC8873 Kenny McFarland, Box 44, Williams, Ind.
 KHC9029 Jim Geaugh, 106 Fairlane Ave., Goshen, Ind.
 KHC9341 Art Stone, 7524 S. Colfax Ave., Chicago, Ill.
 KHC9439 Jim Bazata, 89 Center St., Ingleside, Ill.
 KHC9467 Carl Childress, R. R. 2, Attica, Ind.
 KHC9463 Earl Crutchley, 911 West Taylor St., Bloomington, Ill.
 KHC9581 Ronald Klavohn, 527 E. Park St., Geneseo, Ill.
 KHD0891 Frank Gratton, 7313 Elmira, Des Plaines, Ill.
 KHD1526 Bruce Resteau, 204 Locust St., Valparaiso, Ind.
 KHD1760 Jim Butts, R. R. 1, Box 185, Hanna City, Ill.
 KHD1806 Capt. Seaweed, 8874 So. Main, Hometown, Ill.
 KHD2101 Bill Warren, 4002 South Landess St., Marion, Ind.
 KHD2669 Howard La Plante, 1339 Gross Ave., Green Bay, Wisc.
 KHD2875 John Beckler, R. R. 1, Bluffton, Ind.
 KHD3064 John Minnick, 508 Water St., Jonesboro, Ind.
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 KHD3793 Tom Krill, 609 North Metts St., Ossian, Ind.
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 KHD7431 Billie Snyder, 633 Poplar Pl., Arcola, Ill.
 KHD7450 Ron Abbott, 1331 S. Benson Blvd., Freeport, Ill.
 KHD7506 Nick Cobun, 7452 Kosiner, Skokie, Ill.
 KHD7998 Bob Lytle, 120 1/2 South St., Washington, Iowa
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 KHD8790 Ollie Landgraf, 507 Memorial Dr., Chilton, Wisc.
 KHD8971 John Northridge, 1239 S. Maple, Freeport, Ill.
 KHD9012 Bob Wilson, 3561 W. Murray Ave., Indianapolis, Ind.
 KHD9027 Merlin Zwicki, Washington, Iowa
 KHD9156 Forrest Ryan, 4632 Forest View Ave., Rockford, Ill.
 KHD9906 Lee Goodman, 3205 North Clark St., Chicago, Ill.
 KHE0206 Stanley Czarnocki, 317 Hickory St., Bensenville, Ill.
 KHE0573 Mike Wells, 18318 Oakwood Ave., Lansing, Ill.
 KHE0775 Bob Draves, 8874 So. Main St., Hometown, Ill.
 KHE1398 Leo Harbor, 219 Steel Ave., Dixon, Ill.
 KHE1460 R. L. Irvine, USS Annapolis (AGMR-1) c/o FPO, N. Y., N. Y.
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 KHG4493 Chuck Cooley, 2243 Ham. Clevess Rd., Hamilton, Ohio
 KHG4945 C. M. Cooley, 1006 Hoover Ave., Hamilton, Ohio
 KHG5154 Brady Terrell, 346 Danhurst Rd., Columbus, Ohio
 KHG5296 Mary Franklin, 18 Bradford St., Battle Creek, Mich.
 KHG8261 Ray Bennett, 4962 Hardsell Dr., Fairfield, Ohio
 KHG8311 George Race, Rt. 8, Kalamazoo, Mich.
 KHG9069 Herb Riggler, Rt. 5, Zanesville, Ohio
 KHG9554 Kenny Roberts, 1584 Stewart Rd., Lima, Ohio
 KHH0333 Leonard Parker, 68 N. Merrimac, Pontiac, Mich.
 KHH1363 Geo. Radenheimer, 3121 Andrew St., Middletown, Ohio
 KHH2259 Jerry Swaab, 13851 Pearson, Oak Park, Mich.
 KHH2266 Harold Hawkins, 3522 Linwood Ave., Columbus, Ohio
 KHH2828 Frank Hall, 711 Water St., Barboursville, W. Va.
 KHH3720 John Klunge, Rt. 1, Fennville, Mich.
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 KHI5117 Bob Malone, Kimberly P. O., Kimberly, W. Va.
 KHI5457 George Barker, 343 N. 27th St., Battle Creek, Mich.
 KHI6508 Jim Parlow, 106 E. Hopkins, Pontiac, Mich.
 KHI7380 Richard Rader, Box 92, Dunbridge, Ohio
 KHI7554 Bob Craig, 1020 Ambrose Ave., East Liverpool, Ohio
 KHI8476 John Mossor, 420 - 44th St., Northwest, Canton, Ohio
 KHI8546 Bill Rosen, 4334 McKee St., Latonia, Ky.
 KHI8562 Bill Swann, 523 - 31st St., Huntington, W. Va.
 KHI8660 Joe Feldman, 656 Bagley, Detroit, Mich.
 KHI8723 Art Yanna, 1127 Meadowlawn St., Pontiac, Mich.
 KHI8839 Smiley Neal, Kitts Hill, Ohio
 KHI9039 Jim Albaugh, 2130 Duane Ave. N. W., Massillon, Ohio
 KHI9185 Jack Bentley, 164 East Grand Blvd., Detroit, Mich.
 KHI9385 Ron Lemanowski, 11471 Mitchell, Hamtramck, Mich.
 KHI9979 Gene Taylor, 121 N. Adolph Ave., Akron, Ohio
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 KHJ1886 Eldon Schumaker, 2790 Queen City Ave., Cincinnati, Ohio
 KHJ1962 Denis Vana, 9060 State Rd., North Royalton, Ohio
 KHJ2081 Susan Franklin, 18 Bradford, Battle Creek, Mich.
 KHJ2329 Ella Irwin, 4753 Lakeview, Drayton Plains, Mich.
 KHJ2467 Jim Spearry, Electric Park Rd., Wellston, Ohio
 KHJ2653 Jeff Cunningham, 3317 Orchard Dr., Portsmouth, Ohio
 KHJ2979 Bob Baumgardner, 23642 Belmont Dr., Westlake, Ohio
 KHJ3155 Don Marion, 346 Pine St. N. W., Grand Rapids, Mich.
 KHJ3180 Chuck Nestor, 24 Townsend Ave., Norwalk, Ohio
 KHJ3254 Ed Watson, 3116 Jerree St., Lansing, Mich.
 KHJ3394 Charles Nigg, Box 214, College Corner, Ohio
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 KHJ3597 Joe Meyers, 2299 Samira Rd., Stow, Ohio
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 KHJ4747 Don Senger, 2650 Mandale, Orchard Lake, Mich.
 KHJ4830 Luther Cross, 4118 - Ninth Ave., Vienna, W. Va.
 KHJ5485 Tom Larabel, 14865 Stout, Detroit, Mich.
 KHJ5561 Don Peasley, 10525 Talbot, Huntington Woods, Mich.
 KHJ5681 Harold Watson, 1651 Rockwell Dr., Xenia, Ohio
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 KHJ6358 Bonnie Bromley, 785 Pierce Ave., Columbus, Ohio
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 KHJ7373 Cliff Burke, 4938 Karen S. W., Wyoming, Mich.
 KHJ7374 Joey Bates, Box 214, Hamden, Ohio
 KHJ7875 Tom White, R. D. 2, Norwalk, Ohio
 KHJ7961 Gilbert McKinney, Rt. 2, Treat Rd., Adrian, Mich.
 KHJ8337 Larry Neiswinger, R. R. 3, New Carlisle, Ohio
 KHJ8552 Edna Bryant, 913 39th St., Vienna, W. Va.
 KHJ9020 Jim & Kay, 6391 Cymbal, Detroit, Mich.
 KHJ9558 Ed Leonhardt, 3518 Smithfield Lane, Cincinnati, Ohio
 KIA0537 James Nagy, 7811 Bacon, Detroit, Mich.
 KIA0608 Herb Schumacher, P. O. Box 17, Lancaster, Ohio
 KIC0172 Bob Rogers, 227 Green St., Wilkinsburg, Pa.
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KIC2996 Charles Stokes, R. D. 2, Bainbridge, N.Y.
KIC3500 Ruthie Bopp, 350 W. Fifth St., Lewistown, Pa.
KIC3538 Jack Frey, 108 North Hampton St., Lock Haven, Pa.
KIC4752 Ted Williams, 5100 Goodrich, Clarence, N.Y.
KIC5404 Fred Bassett, Star Route-Box 11, Oxford, N.Y.
KIC6119 Gary Baker, 50 East Fourth St., Waynesboro, Pa.
KIC6258 Rosario Cavallaro, 233 Prichard Ave., Corning, N.Y.
KIC6492 Hal Fishbough, 407 Schuyler Ave., Elmira, N.Y.
KIC6708 Robert Boyd, 102 Williams Ave., Wellsville, N.Y.
KIC6766 Glenn Righter, 213 Green Ave., Lewistown, Pa.
KIC7028 Barney Bishop, Box 117, Portville, N.Y.
KIC7422 Ralph Waites, R. D. 1, 3968 Plank Rd., Porter Corners, N.Y.
KIC7438 Hazel Brinker, 426 N. 2nd St., Jeannette, Pa.
KIC7509 Ronald Clark, 130 West Sawyer Place, Rochester, N.Y.
KH0791 Elaine Demao, 1002 Moore St., Arnold, Pa.
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KID1405 Jim Baney, R. D. 1, Renfrew, Pa.
KID1566 Patrick Gorman, 1471 Wyoming Ave., Niagara Falls, N.Y.
KID1889 Jack Washington, 10128 Frankstown Rd., Pittsburgh, Pa.
KID1899 Joseph Di Martino, 536 Helendale Rd., Rochester, N.Y.
KID1971 Lulu Frey, 108 North Hampton St., Lock Haven, Pa.
KID2158 Dennis Gould, 40 William St., Dansville, N.Y.
KID2220 Laura Baney, R. D. 1, Renfrew, Pa.
KID2418 Grace Baker, Box 3427, Smethport, Pa.
KID2617 George Thayer, P. O. Box 23, Burnt Cabins, Pa.
KID3019 Steve Magdy, R. D. 7, Kittanning, Pa.
KID3030 Lou Minotti, 428 Phoenix Ave., Elmira, N.Y.
KID3154 Earl Bonenblust, 515 Whiting Rd., Webster, N.Y.
KID3823 Dick Compton, R. D. 1, Painted Post, N.Y.
KID4481 Bob Meinyk, 242 Klein St., Rochester, N.Y.
KID4949 Paul Peffley, 120 South Third St., Chambersburg, Pa.
KID4964 Amos Hennigan, 53 Riverside Dr., Canton, N.Y.
KID5144 John Fudge, 54 Dexter St., Wilkes-Barre, Pa.
KID5225 Harry Platt, R. D. 1 - Shaw Rd., Conklin, N.Y.
KID5445 Beaty Noll, R. D. 1, Millheim, Pa.
KID5676 Marion Boyd, 102 Williams Ave., Wellsville, N.Y.
KID5787 Dorothy McNamara, R. D. 3, Towanda, Pa.
KID5968 John Norman, Box 249, Watkins Glen, N.Y.
KID5971 Allen Moore, R. D. 2, Huntingdon, Pa.
KID6144 Julia Budesky, 147 Mory Place, Greensburg, Pa.
KID6356 Roscoe Harrington, 5 Schuyler St., Hudson Falls, N.Y.
KID6510 Fred Dash, 314 West 3rd St., Erie, Pa.
KID6623 Audrey Kline, 508 Monroe St., Jamestown, N.Y.
KID6834 Fred Farr, 307 High St., Latrobe, Pa.
KID7093 Jerry Dukes, Corning, N.Y.
KID7673 Julius Altman, 258 East Market St., Wilkes-Barre, Pa.
KID7730 Gregory Funk, 215 West Second St., Waynesboro, Pa.
KID8452 John Humenansky, 264 Slocum St., Swoyersville, Pa.
KID8581 John Hancock, R. D. 1, Mount Union, Pa.
KID8884 Eddie Culver, 12 Whitman Place, Tonawanda, N.Y.
KID8892 Aaron Clouse, 60 Villa St., Rochester, N.Y.
KID8898 Nancy Dash, 314 West 3rd St., Erie, Pa.
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KID9648 Ken Matthews, 566 Penora St., Depew, N.Y.
KID9689 Bruce Traveler, 110 Harwood Rd., Spencerport, N.Y.
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KIE1029 Dick Sanford, 2617 Jackson Ave., Erie, Pa.
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KJF0304 James Allison, 500 17th St. N.E., Washington, D.C.
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KJI0292 Ed Liggins, 5 Brown Ave., Canonsburg, Pa.
KJI0423 Ronald Whitout, 132 West Peach St., Connellsville, Pa.
KJI0742 Dennis Swartz, Box 223, Orbisonia, Pa.
KJI1090 Bill Stroud, 5 Crestwood Rd., Corning, N.Y.
KJI1212 The Dents', 57 Ann St., Bradford, Pa.
KJI1707 Willis Platt, Shaw Rd., R. D. 1, Conklin, N.Y.
KJI2020 Bob Nelson, Box 148, Ashville, N.Y.
KJL2185 Dave Lockwood, R. F. D. 2-Box 203, Cuba, N.Y.
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KKA0986 Otmear Owsijuk, 249 Belmont Ave., Springfield, Mass.
KKA1432 Frank Copeland, Ellsworth, Maine
KKA1477 Barry Salminen, 20 Pleasant St., Fitchburg, Mass.
KKA1479 Andy Neslusan, 301 School St., Webster, Mass.
KKA2191 Alvin Arthur, P. O. Box 27, So. Weymouth, Mass.
KKA2400 Russell Carlson, 97 Providence St., Worcester, Mass.
KKA2415 Al Saulnier, 44 So. Main St., Middleton, Mass.
KKA3557 Gerald Ross, Highland St., Northbridge, Mass.
KKA4210 Dick Clogston, Starks, Maine
KKA5305 George Chase, Black's Trailer Park, RFD. 4, Uncasville, Conn.
KKD0042 Jeff Weiss, 285 Walton Ave., South Orange, N.J.
KKD0141 Sid Blutreich, 3126 Coney Island Ave., Brooklyn, N.Y.
KKD0156 Ira Schulman, 91 McKinley Ave., Colonia, N.J.
KKD0184 Ken Strickoff, 1973 - 81st St., Brooklyn, N.Y.
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KDD0384 David Sefchick, 525 Yahara Ave., Rutherford, N.J.
KDD0512 Joe Pagano, 182 South St., New York, N.Y.
KDD0596 Norma Colella, 83 Laconia Ave., Staten Island, N.Y.
KDD1281 Fred Becker, 1332 Lincoln Ter., Union, N.J.
KDD1311 Don Brandt, 1 Farmstead Rd., Short Hills, N.J.
KDD1439 Joel Cohn, 1810 Loring Place, Bronx, N.Y.
KDD1534 Bernard Heller, 8320 Bay Pkwy., Brooklyn, N.Y.
KDD1537 Bill Culver, 12 Falmouth Rd., Iselin, N.J.
KDD1650 Abe Wrubel, 65 Carpenter Ave., Mount Kisco, N.Y.
KDD1974 Bill Wilson, 266 Ryan St., Hillsdale, N.J.
KDD2151 Andy Marks, 9-13 Fairhaven Place, Fair Lawn, N.J.
KDD2505 Tom Scott, 400 3 St., Brooklyn, N.Y.
KDD2642 Bill Heuring, Box 500, R. D. 1, Newton, N.J.
KDD4640 Dennis Berman, 1332 Anchor Dr., Wantagh, N.Y.
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KKG0681 Albert Bippus, 107 S. Donerville Rd., Lancaster, Pa.
KKG0931 Carl Taglieber, Box 81, Red Hill, Pa.
KKG1022 Arthur Phelps, 427 E. Fairview St., Bethlehem, Pa.
KKI0001 Kenneth Merrifield, 418 Jackson St., Fairmont, W. Va.
KKI0270 Joe Brown, 1100 Peachblossom Ave., Cambridge, Md.
KKI0303 Don Johnson, 109 W. Wilson Blvd., Hagerstown, Md.
KKI0412 Troy Mullis, 224 Bosworth St., Philippi, W. Va.
KKI0472 Ginny Hart, 1126 Sherman Ave., Hagerstown, Md.
KKI0479 Ted Hart, 1126 Sherman Ave., Hagerstown, Md.
KKI0569 Doug Leffert, 10 Westmoreland St., Westminster, Md.
KKI0571 Bob Neilson, 5407 Greystone St., Chevy Chase, Md.
KKI0688 Bill Giles, 9607 52nd Ave., College Park, Md.
KKI0689 Ronald Butts, 208 W. Wilson Blvd., Hagerstown, Md.
KKI1526 John Warrenfeltz, 1005 Bramly Court, Hagerstown, Md.
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KKK0489 Lonnie Harper, Rt. 5, Kingston, N.C.
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KKK4006 Bill Beam, 1616 Umstead St., Charlotte, N.C.
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KKM1943 Richard Day, 207 South Douglas Ave., Rockwood, Tenn.
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KKM2213 Lee Harvey, 2478 Sharondale Dr., N. E. Atlanta, Ga.
KKM2607 John Tallent, 933 Elmwood Dr., Chattanooga, Tenn.
KKM3548 Tom McCowan, Cowan, Tenn.
KKM4156 Fred Monday, 77 Brownwood Ave., Asheville, N.C.
KKP0057 Jack Smith, P. O. Box 3102, Sarasota, Fla.
KKP1701 Ned Wagner, 45 River Dunes Dr., Daytona Beach, Fla.
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KKR0596 John Scott, 1120 West Oak Ave., Jonesboro, Ark.
KKT1076 Doris Boyd, Rt. 1 - Box 2070, Lufkin, Tex.
KKV1192 Carl Rastetter, 807 Main Hale Center, Texas
KKV2905 James McWain, Rt. 1, Box 20A, Saginaw, Texas
KKX0695 Gene KeUlogg, 7657 Gribble, San Diego, Calif.
KKX2268 Norman Retherford, 5320 West L-10, Lancaster, Calif.
KLA0284 Neil Hagen, 819 Cumberland Dr., Pleasant Hill, Calif.
KLA0326 Tony Ghiorzo, 470 Butler Ave., Fairfield, Calif.
KLA0472 Charley Lively, 1708 Midfield Ave., San Jose, Calif.
KLA0648 Rudy Schneider, 3706 Daniel Way, Santa Clara, Calif.
KLA1211 Fred Ide, 2575 Painted Rock Dr., Santa Clara, Calif.
KLA1496 Paul Inzerillo, 10185 Richwood Dr., Cupertino, Calif.
KLA1786 Harold Kerr, 632 Carter St., Redwood City, Calif.
KLA1875 Ruth Hanes, 2585 Painted Rock Dr., Santa Clara, Calif.
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KLA2307 Gene Swenson, 173 White Birch Dr., Pease AFB, N.H.
KLA2388 Hal Coomes, 10786 S. Blaney Ave., Cupertino, Calif.
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 KLH3976 Larry Kramer, 842 S. 18th St, Fort Dodge, Iowa
 KLJ0004 Bill Springer, Box 70, Manitowoc, Wisc.
 KLJ0071 Mort Gaines, 810 White St., Burlington, Iowa
 KLJ0923 Jim Herteen, 353 Ferson Ave., Iowa City, Iowa
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 KLJ2532 Gene Wilson, R. R. 1, Garrett, Ind.
 KLJ2946 Harold Bjorkquist, 8878 South 84th St., Franklin, Wisc.
 KLJ3291 Dave Merry, 642 118th St., Whiting, Ind.
 KLJ3599 George Butler, 1319 - S 1/2 Ave., Rock Island, Ill.
 KLJ3613 Ed Laing, Rt. 3, Clinton, Iowa
 KLJ3952 Jim Porter, P. O. Box 94, Bedford, Ind.
 KLJ5814 Erwin Franke, Lot #8 Court St., Rt. 1, Bunker Hill, Ind.
 KLJ6082 Jim Marsh, 501 South 9th Ave., Washington, Iowa
 KLJ6901 Roy Goddard, 1002 E. Laguna St., Kokomo, Ind.
 KLJ8137 Jerry McGhee, 1122 Prickett St., Edwardsville, Ill.
 KLJ9180 Jerry Gaughan, 1826 Davis Ave., Whiting, Ind.
 KLJ9286 Michael Wallen, Rt. 2, Thorn Rd., Culver, Ind.
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 KLM0761 Bill Slaughter, Gassaway, W. Va.
 KLM1034 Max Brown, Box 32, New Haven, W. Va.
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 KLM1447 Lee Collins, 86 Glamworth, Lake Orion, Mich.
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 KLM3241 Joe Burns, 3038 North Hill Rd., Portsmouth, Ohio
 KLM3483 Bob Fox, 11516 Headley Ave., Cleveland, Ohio
 KLM3815 Frank Vargo, 33 West Rutgers, Pontiac, Mich.
 KLM5139 Blaine Puterbaugh, 6365 Whiteford Center Rd., Toledo, Ohio
 KLM5233 Cecil Campbell, 5687 Eldridge, Pontiac, Mich.
 KLM5315 Wayne Albaugh, 2130 Duane Ave. N.W., Massillon, Ohio
 KLM5755 Harvey Coburn, 1033 Juliana St., Parkersburg, W. Va.
 KLM5988 Fred Dorsey, 3217 A Penn. Ave., Charleston, W. Va.
 KLM6084 Ted Lucas, 4671 Cribbins Rd., Goodells, Mich.
 KLM6123 Till Leonhardt, 3518 Smithfield Lane, Cincinnati, Ohio
 KLM6496 Wayne Irwin, 249 W. Chicago, Pontiac, Mich.
 KLM6764 Harold Irwin, 4032 Mill Lake Rd., Lake Orion, Mich.
 KLM7450 Bill Piper, Rt. 5-Box 414, Swanton, Ohio
 KLM7763 Jim Warner, 836 Pensacola, Pontiac, Mich.

KLM8313 Bob Sizemore, 7807 Hope Ave., Cleveland, Ohio
 KLM8867 Larry Belloli, 4330 Wayburn, Detroit, Mich.
 KLM9162 Robert Stoddard, 812 East Main St., Lowell, Mich.
 KLP0120 Ned Neupauer, 414 Market St., S. Williamsport, Pa.
 KLP0176 Dick Miller, 231 Cherry St., Roaring Spring, Pa.
 KLP0289 William Gray, 1225 Union Ave., Natrona Heights, Pa.
 KLP0290 Norm Dill, 1025 Powell Ave., Erie, Pa.
 KLP1002 Bob Klippert, 1721 Washington St., Huntingdon Police Dept., Pa.
 KLP1488 Wendell Jones, 325 Broad St., Butler, Pa.
 KLP1844 Don Mahan, 106 Florida Dr., Lower Burrell, Pa.
 KLP2085 Butch Hughes, 11 Mason Ave., Binghamton, N. Y.
 KLP2218 Glenn Bupp, 2319 Olympia St., McKeesport, Pa.
 KLP3098 Bob Fideor, 180 St. Casimir St., Rochester, N. Y.
 KLP3111 Paul Miller, 8 Clark St., Canton, N. Y.
 KLP3511 Bob Miller, 1204 Steuben St., Utica, N. Y.
 KLP4187 Jim Simpson, 91 W. Market St., Corning, N. Y.
 KLP4213 Dennis Cray, 3750 W. 10 St., Erie, Pa.
 KLP4535 Stephen Wolf, 253 E. Grand St., Nanticoke, Pa.
 KLP4571 John Ramsdale, 1028 Powell Ave., Erie, Pa.
 KLP4824 Lela Platt, Shaw Rd. R. D. 1, Conklin, N. Y.
 KLP5087 Carolyn Byrnes, 114 Whipple Lane, Rochester, N. Y.
 KLP5320 Sam Jones, 325 Broad St., Butler, Pa.
 KLP6039 William McKenna, 1354 Davis St., Elmira, N. Y.

Yeccccch!

Making room for new QSL designs in our stock room. Rather than burn our discontinued designs, we're going to try to let you swindle us (for a change). Look at these wild cut rates: 250 cards, regularly \$2.20, now only \$1.50 postpaid. We choose the styles during this sale. Add your call and handle and start swapping. Hurry, the supply is limited.

NUSSBAUM'S 1440-54St. Bklyn, N. Y.

Surprise!

Seeing that you fellows really gobbled up our "special" issues in December, April, and May, it seems only fitting that we should hit you with another "special" while you're still recuperating from the last ones. This time we're going to strike back in the August issue—we call it our "Summer Super Surprise Special," but that's all you're going to know about it at this point. We will tell you this: It will be the largest selling issue of S9 we have ever published; it will contain more useful information than any issue of any CB magazine ever published; We have substantially increased our print run with the hope that we don't get as many complaints from newsstand readers that the special issue is unobtainable (like the other time); We have our staff working

'round the clock on the issue to make it the most fantabulous thing ever to hit the band; We feel sorry if you don't subscribe because the additional issues we are printing probably will still not be sufficient to meet the demands.

So, while other publications "mark time" every summer by palming off useless "catalog" and "directory" issues on you, S9 forges ahead with our first annual "Summer Super Surprise Special." For a paltry 5 bucks you can be assured of receiving the issue hot off the press and before we're sold out—and you will also fake out all the newsstand buyers in your area by a few days for the following 11 issues (and there are some more surprises on the way in those!).

KLW0082 Elizabeth Fulton, 906 Gallatin St. N.W., Washington, D.C.
 KLV0122 Delores Peace, 1924-6th St. N.W., Washington, D.C.
 KLV0117 Ronald Edmonds, 1866 California St. N.W., Washington, D.C.
 XM13613 Ronald Lee, 1660 Ruby Rd., Victoria, B.C., Canada
 XM13699 Mark Jenkinson, R. R. 2, Duncan, B.C., Canada
 XM22377 Paul Cross, 9758 145 St., Edmonton, Alberta
 XM411442 Verna Massam, 2263 Dundas St. W., Toronto, Ont.
 XM411520 Al Moody, 128 Morden Rd., Oakville, Ont., Canada
 XM411700 Skippy Massam, 2263 Dundas St. W., Toronto, Ont.
 XM41747 Captain Blood, R. R. 1, Orillia, Ont., Canada
 XM441571 F. O. Dayton, 525 George St., Sarnia, Ont., Canada
 XM52477 David Pinsky, 4895 Bourret, Montreal, Que., Canada
 XM53721 J. P. Vincent, 100 Camirand, Sherbrooke, P. Q., Canada
 XM551476 J. P. Fecteau, 6 Rue Du Moulin, Neufchatel, Que., Canada
 XM61418 Phillip D'Entremont, P. O. Box 77, Yarmouth Co., N.S.
 XM61419 Margaret D'Entremont, P. O. Box 77, Yarmouth Co., N.S.
 XM63054 Albert Perry, Barrington, Nova Scotia
 XM63401 Charlie Murdoch, P. O. Box 693, Windsor, Nova Scotia, Canada
 XM65140 Vaughan DeMerchant, P. O. Box 13, Perth, N.B.
 PY113332 Emanuel Filho, P. O. Box 359, Niteroi R. J., Brasil
 (Enclose 1 Int'l Reply Coupon)

Atl. 787 Bob Malone, Kimberly P. O., Kimberly, W. Va.
 Atl. 1057 Eddie Becker, 4305 Franconia Rd., Alexandria, Va.
 Cent. 2232 David Lee, 1522 South 13th St., Escanaba, Mich.
 Cent. 2680 Kenny Brownfield, R. R. 4, Champaign, Ill.
 North. 737 Patrick Gorman, 1417 Wyoming Ave., Niagara Falls, N. Y.
 North. 1575 Gary Baker, 50 E. Fourth St., Waynesboro, Pa.
 North. 3082 David Seftchick, 52 Yahara Ave., Rutherford, N. J.
 Pac. 576 Dave Miller, 1821 Laine Ave., Santa Clara, Calif.
 WPE1FJP Alvin Arthur, P. O. Box 27, South Weymouth, Mass.
 WPE2AN Errol Urbelis, 60 Boulevard, Greenlawn, L. I., N. Y.
 WPE2FZG Mark Levy, 8640 Bay Parkway, Brooklyn, N. Y.
 WPE3CG Dewey Watkins, 1811 Irving St. NW., Washington, D. C.
 WPE3FQS Tony Cinquini, 6917 Chester Ave., Philadelphia, Pa.
 WPE4CNR Bill Orton, 914 Altamaha St., Chattanooga, Tenn.
 WPE4GDK Larry McCoon, 5858 Camberly Ave., Springfield, Va.
 WPE6ETT Harry Okey, P. O. Box 1526, La Jolla, Calif.
 WPE6FNJ Jack Chew, 898 September Dr., Cupertino, Calif.
 WPE8GDZ Bob Malone, Kimberly P. O., Kimberly, W. Va.
 VE1PE2D D. H. Belliveau, Box 213, New Glasgow, N. S. Canada
 WN8KHU Jack Bailey, 300 Parkway Dr., Beckley, W. Va.

HAMBONE?



Even if you're a tried and true CB'er, clear to the bone, perhaps you are considering the possibilities of Ham radio. Or maybe, like many S9'ers, you already hold a Ham ticket. In any event you will enjoy reading "CQ Magazine, The Radio Amateur's Journal," which is published each month by the same company which brings you S9. CQ's pages are chock full of construction projects, humor and fiction, Ham station activities, VHF news, DX propagation predictions, etc. Curious? A sample copy of CQ will be sent for only 50¢—a 1 year subscription is \$5. Special trial introductory (new CQ subscribers only) offer for S9 readers: 6 months of CQ for only \$2. Subscribe now and receive the giant \$1 November issue in your subscription at no additional cost!

CQ Magazine, Dept. CB
 14 Vanderventer Avenue
 Port Washington, N. Y. 11050

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SONAR "MODEL E" (Channel 11) 179.50
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PL-259 COAXIAL CONNECTORS 10 for 3.49
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SPECIAL—RIGHT ANGLE CONNECTORS each 89¢

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 50 feet for 4.95—100 feet for 8.98

RG-58U COAXIAL CABLE
 50 feet for 2.49—100 feet for 3.98

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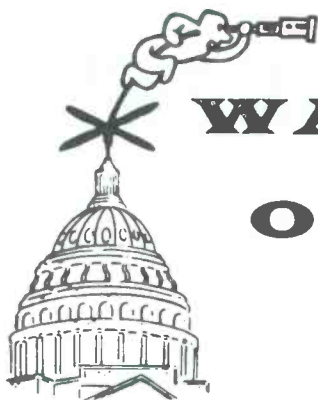
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WASHINGTON OUTLOOK

It seems that most of the CB'ers who were hit with \$100 forfeitures eventually requested that the fines be cancelled. The FCC didn't look *too* kindly on the requests, but did chop the fines down to \$25 for each of the following CB stations: KCC2847, KDD1134, 17W5683, KEJ4109, KDB7792, KFD2742, EJ2646, KDB6339, KDD1632, KG11757, 11Q3257, KBC8579, KED1840, and KHA1291.

The following CB'ers heard from the FCC this past month:

4Q0163, Arthur H. Jones, Jr., Baltimore, Md., hearings terminated on his Show Cause notice.

6Q1698, Mike Hiott, Round "O," S.C., hearings terminated on his Show Cause notice.

6W1592, Jerry Stephen Autry, Atlanta, Ga., hearings terminated on his Show Cause notice.

6W4919, Jim Harper, East Point, Ga., hearings terminated on his Show Cause notice.

6W6559, Thomas Leroy Brock, Fort Payne, Ala., directed to Show Cause why his license should not be revoked for repeated failure to respond to official notices concerning alleged violation of the rules.

7Q0183, Donald R. Turner, Fort Lauderdale, Fla., sent a notice of apparent liability in the amount of \$100 for repeated violations of the CB rules.

17W4117, Roman Conway, Kansas City, Kansas, license revoked for repeated failure to respond to official notices concerning alleged violations of the rules, effective June 10.

KBI1862, Michael Allan Baker, Walden, N.Y., hearings terminated on his Show Cause notice.

KCG0478, Earl L. Johnson, Baltimore, Md., hearings terminated on his Show Cause notice.

KCI1019, Richard R. Zimpeiman, Spring Lake, N.C., license revoked for repeated failure to respond to official notices concerning alleged violations of the CB rules, effective June 1.

KDD1131, Hall H. Jackson, Atlanta, Ga., directed to Show cause why his license should not be revoked for wilful violation of rule 95.81(g), working skip, and Title 18, United States Code, as well as repeated violation of certain other sections of the CB rules.

KDI2737, H&H Property Maintenance, Inc., West Hollywood, Fla., license revoked for repeated failure to respond to official notices concerning alleged violations of the CB rules, effective June 9.

KDI3651, David S Bernheim, Tampa, Fla., directed to Show Cause why his license should not be revoked for alleged repeated violations of the CB rules.

KEJ1468, Marvin E. Brown, Norwalk, Calif., directed to Show Cause why his license should not be revoked for repeated failure to respond to official notices concerning alleged violation of the CB rules.

KEJ3522, Albert S. Holt, Compton, Calif., hearings terminated on his Show Cause notice.

KEJ4583, Emanuel Camilo Zavala, South San Gabriel, Calif., hearings terminated on his Show Cause notice.

KEJ7444, Jack R. Ulrich, Bell Gardens, Calif., hearings terminated on his Show Cause notice.

KFA0903, Darrell W. Small, Compton, Calif., license revoked for failure to respond to official notices concerning certain alleged violations of the CB rules, effective June 8.

KFA3496, Joseph Burnsworth, Paramount, Calif., sent a notice of apparent liability in the amount of \$100 for repeated violations of the CB rules.

KFA4204, Stephen B. McElhinny, Lake-

wood, Calif., license revoked for repeated failure to respond to official notices concerning alleged violation of the CB rules, effective June 8.

KFA5527, Walter E. Reynolds, El Monte, Calif., sent a notice of apparent liability in the amount of \$100 for repeated violations of the CB rules.

KFA7893, Nick A. Taminich, Los Angeles, Calif., directed to Show Cause why his license should not be revoked for repeated failure to respond to official notices concerning alleged violations of the CB rules.

KFA9030, Richard B. Ellwood, Garden Grove, Calif., hearings terminated on his Show Cause notice.

KFC1335, Richard J. Lovett, Vallejo, Calif., hearings terminated on his Show Cause notice.

KGB0234, G. Parmiter, Longmont, Colo., hearings terminated on his Show Cause notice.

KHI3883, Charles A. Little, Grand Rapids, Mich., hearings terminated on his Show Cause notice.

KID0620, Beck's Cycle Shop, Canandaigua, N.Y., sent a notice of apparent liability in the amount of \$100 for repeated violations of the CB rules.

KIJ0167, Jose Cascot Brana, San Juan, P.R., directed to Show Cause why his license should not be revoked for failure to respond to official notices concerning alleged violation of the CB rules.



ANTENNAS

Continued from page 39

Does the code have the force of law? By itself, no. But stroll into your city or town hall and chances are the Building Inspector has a current copy right next to his edition of "Creative Plumbing." A huge number of municipalities throughout the country have made the code official. So, if a gent with muddy boots knocks on your door, asking to see the antenna system, be prepared. Those recommendations could save your equipment during a bad electrical storm—maybe your life, too.



CLUB CALENDAR

Continued from page 40

Jamboree will be held at Mathis State Park, in Mathis, Texas. Date—July 25th and 26th. The official name of the jamboree is GULF COAST CB JAMBOREE.

Central Michigan's Largest, the Second Annual CB Jamboree, Sunday, July 12th, 119th Armory, on Marshall, at E. Saginaw St. The event is sponsored by the Five Watter CB Club, Editor Les Fay, 19W8567, 233 Brynford, Lansing, Michigan.

First Annual State of New Hampshire Jamboree in Rochester, N.H., July 26th at the Sunset Recreation Center. The event is sponsored by the Sunset CB'ers Radio Club, P.O. Box 418, Rochester, N.H.

August 15th and 16th, Great Lakes 2nd Annual CB Radio Jamboree, sponsored by the Oakland Social CB's Inc., to be held at Green-Acres Recreation Area, Washington, Michigan.

CB National Jamboree, Ross Park, Binghamton, New York, Saturday, August 1st. Contact: R. T. Reagan, 86 S. Washington St., Binghamton, New York. Monitor channel 11.

Jamboree—Sponsored by the Bell City CB Radio Club, Sunday, October 11th, rain or shine at America's oldest Playground, Lake Compounce, off Route 72, Bristol, Connecticut. Contact: Ted Singleton, 79 Lillian Road, Bristol, Conn.

Sociable 5 Watts CB Family Picnic, August 30th, Bradys Run Park-Shelter #10, Route 51, near Beaver, Penna. Contact: Roy Shetler, Enon Valley, Penna.

Citizens Band Service Club of Western Pennsylvania is sponsoring a picnic June 21st at the Stone Pavilion in the Washington Park, Washington, Penna.

3rd Annual Round-up Jamboree, sponsored by the Caddo District CB'ers, at Rosborough Springs, Marshall, Texas. Contact: The Caddo District CB Club, P.O. Box 792, Marshall, Texas. Oh yes, the dates are July 25th and 26th. Monitor channels 4, 9, and 11.

Roanoke Valley CB Club Jamboree, Lakeside Park, Salem, Virginia, July 18th and 19th. The event is sponsored by the Roanoke Valley CB Club. There will be a host of prizes.

The Batavia CB Radio Club, Inc., will sponsor a CB Rally, August 23rd, at the West Batavia Sportsman's Club. For more information write: Batavia Radio Club, Box 142, Batavia, New York.

1st Annual Southern N.E. CB Jamboree sponsored by the Fall River and Newport CB Clubs, to be held July 31st, August 1st and 2nd at Westport, Mass. Monitoring channel 11. Remember Westport, Mass.

North Country C-Bees of Berlin, N. H. are planning a Fall Round-up October 10th and 11th. More info will be forthcoming.

Evansville CB Radio League presents their CB Bowling Tournament (3 P.M. Saturday) and Jamboree (all day Sunday) on July 25 and 26. Everyone invited—\$800 in prizes and awards to be given. Place: 4H Club Center on US 41, 7 miles north of Evansville, Ind. Monitor channel 7, or contact ECRL, P.O. Box 4310, Evansville, Ind.



CB CHIT CHAT

Continued from page 47

placed above Jerry's head. Voted a lifetime membership in the Cook County CB Radio Club in 1963, the members of the club also donated a pair of channel 7 crystals to Jerry so he could keep up with all the latest news of the club. Many members visited him in his home, but far more chatted with him daily and helped make his day much brighter. However, it was Jerry who brightened their days far beyond his realization. Since he could neither see nor move, the CB Radio he received became a fascinating hobby and new interest. Jerry will be missed with his KHD5713, now retired from the air."

Newly found in the south central Missouri area is the Boonslick CB Ass'n that has been in operation for a tender 6 months. The club boasts a membership of 71 and still growing. Good luck to the club and let's hear more.

The North Area Emergency Radio Team has spent the past month aiding the Clay County, Missouri, area in bad weather alerts. Mobile units were beneficial for communications where power lines were knocked out. Thanks to the units, messages and answers were passed in and out of the areas, aiding police and citizens alike. Thanks to S. Schaaf.

Officers of the 99'ers CB Club of Lincoln, Nebraska are: President, Everett Cooley, KGH5183; Vice President, Tom Smith, KLH5338; Secretary Raymond Klone, KGI2466; Treasurer, Dale Royer, 17W4700. The club meetings are held the first Monday of every month with free coffee and Goodies. The club tries to have something special, new CB equipment to show, a movie of interest, guest speaker and always, a Christmas party for the children, as part of the events for the year.

Jamboree Report: The Tipton CB Club of Tipton, Indiana held their jamboree April 12th with about 2500 in attendance. Prizes were given away all day,



At the Annual Installation Dinner of the Western New York Citi-Banders Club, Inc., the following officers were installed: Left to Right, President, Mark Haight; 1st Vice President, Glenn Rhoades, Jr.; and Past President, Robert Korff.

with many CB'ers loaded down with goodies from the many exhibitors.

Jamboree Report: The Midwestern CB Club of Kokomo, Indiana held their jamboree May 3rd with 1500 to 2000 CB'ers present. Among the exhibitors was Chuck Baer, 18Q6133, the badge man from Chicago.

A recent successful Pot-Luck dinner and card swap was held by the Warsaw Channel Jammers, Indiana at the Warsaw 4-H Fairgrounds. The number of CB'ers present was not available, but we hear it was quite a few. Good luck to the club.



EMERGENCY

Continued from page 20

is visible at 1200 feet in daytime and up to 600 feet at night. Weatherproof, unbreakable, nothing to wear out. Has magnetic rubber strips on back to cling to any part of car. Rolls up for storage when not required. Only \$3.00, postpaid.

WARNING SIGNAL. Flashes brilliant red in all directions. Fastens to any smooth surface by means of a large vacuum cup. Size is 3 1/4" high by 2" wide, comes with 10 foot cord with lighter plug. Flashes about 72 times per minute. Fits in glove compartment or may be permanently mounted on the rear deck. Specify for 6 or 12 volt car when ordering. Price is \$3.50 postpaid.

FUSEES (FLARES). These bright burning flares have a spike on one end and a strike-tip on the other, they will burn in any type of weather and their red beacon can be seen for several hundred feet. 20 minute type, 60¢ each; 15 minute type, 50¢ each, postpaid. Metal holder for 3 fuses, \$1.25, postpaid.

REFLECTIVE TAPE. Candy striped red and white with a stick-to-any-surface self-adhering back. Shines at night by means of reflected light. Striping is 2 inches wide by 20 inches long, can be cut with scissors. Only 75¢ postpaid.

OTHER ITEMS

The following two items will aid nobody but yourself, being mainly used for keeping

your mobile unit on the right track and in service:



COMPASS. Saves miles of travel, easy to read dial either illuminated or non-illuminated. Equipped with aviation-type Cunife Magnets. Easy to install. Colorful in choice of black, grey, red or beige. Illuminated unit price is only \$3.00 postpaid; non-illuminated \$2.50 postpaid.

BATTERY TESTER. What good is a mobile CB rig without the power to operate it? This cell tester quickly and accurately checks the condition of 6 and 12 volt battery cells. Built for rugged use, and easy to read "good," "weak," "bad" rating scale. Only \$6.00 postpaid.

Illinois residents add 4% tax to all prices.

IN CONCLUSION

While all of the above items will come in handy, nothing will come in as handy as a vehicle which is in proper condition. Before you take off for the open road, be certain that your car is running properly, and that your CB rig is tuned up.



KBG4303 RIDES AGAIN

Continued from page 7

print it clearly on the back of a QSL or post card. Bernie says that the author, or authors, of the name(s) chosen will each receive one of the new sets as a free gift. All entries the property of United Scientific Laboratories, and, in the instance of the same name being suggested by more than one person, the entry with the earliest postmark will be the one considered. Void where prohibited by law. Address your suggestions to Bernie Sussman, United Scientific Laboratories, 35-15 37th Avenue, Long Island City, N. Y.

REPRINT OF THE MONTH AWARD

This month we *again* give the "Reprint of The Month Award" to *CB Magazine*, the *CB Horizons* "replacement publication," for their crafty "borrowing" of yet another ancient *Horizons* article which now turns up again in the April issue of *CB Magazine*—minus the author's name and permission. Entitled "Accurate Alignment Oscillator," we all loved the story when it originally appeared (*almost* word for word) in the 1962 *Horizons CB Callbook & Handbook*," under the name

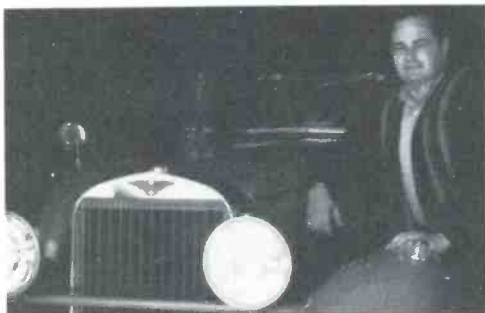
“Build A Simple CB Alignment Oscillator.”

Herb Friedman, who wrote the article back in 1961, brought the reprint to our attention and asked us to pass along the word that while the circuit used in this project was stylish back in '61, it has long since become outdated by newer developments in transistors and circuitry. We suggest that if you build the “Accurate Oscillator,” “Simple CB Alignment Oscillator,” or whatever they are calling it this time around, you might substitute a type 2N1224 instead of the 2N274 Herb suggested back in 1961.

Keep it up, fellows. One more month of this old material, thinly disguised to fool the readers, and *CB Magazine* wins a spot in the hearts of CB'ers as “just another bunch of guys out to separate CB'ers from a buck.” Remember the fate of ACBA, Horizons, and the many others who earned this reputation.

But that's *not* the biggest laugh! In some sort of a weird attack on S9 (probably as a “reply” to our exposing the reprint game in a previous issue of S9) there is a “hate S9” letter in the reader mail column of April *CB Magazine*. The letter was written by a Charles Clarence (no callsign) of Monterey, California. All very neat, except that the letter is a phoney because there is no such person living in Monterey, Calif. Better luck next time, fellows!

GREAT SEARCH



Both products of the Depression era: decapitated Hispano-Suiza and decrepit editor.

Your old Editor is always hearing about CB'ers help motorists in need; perhaps you CB'ers can come to the aid of yet another motorist—me! Seriously, car lovers, can anybody out there dig us up a radiator cap for a 1935 Hispano-Suiza convertible coupe? That's all the buggy needs to be tip-top.

H.R. 6697

We are sorry to report that it looks as though good old Joe CB'er has, once again, been suckered into backing a crackpot

scheme—this time it's a Congressional bill which would *supposedly* squash the FCC's license fee aspirations.

Some months ago when the FCC announced their plan to extract \$8 from CB'ers for each new license, renewal, and modification (other radio services were also on the bill of fare), we all reacted with a considerable amount of shock.

There seemed to be a question as to whether or not the FCC had the legal right to charge fees for licenses, especially since they had tried unsuccessfully to get this same plan off the ground several times since 1954—each time watching it shot down by Congress, which claimed that the FCC did *not*, in fact, have the right to charge the fees.

S9's position was that, while CB'ers might not be against chipping a *small* amount into the FCC kitty if it meant adding some people to the overworked Commission staff, we still thought the fees were too high and that they were, nevertheless, illegal.¹ We asked that our readers write to us if they agreed with our position and we could then have some basis to go down to Washington and do a little desk pounding—unfortunately our readers were too busy to take the time to write in this instance.²

Come August, it looked like a ray of sunshine when several CB'ers wrote to tell us that Rep. Walter G. Rogers (D-Tex.) had whomped up a bill (H.R. 6697) which would once and for all put an end to FCC license fee hopes.³

CB'ers and everyone else jumped in to offer support of H.R. 6697. Eventually Roger's *Subcommittee on Communications and Power of the Committee on Interstate and Foreign Commerce* decided to hold hearings. By this time we at S9 started to feel that something was slightly fishy about the whole goody-goody situation. All it took was a little examination to determine that H.R. 6697 is one of the most loaded and potentially dangerous pieces of legislation which could have come to bear on the subject of license fees. Here's why.

While it is true that H.R. 6697 sets out to “prohibit the Federal Communications Commission from assessing fees or charges for services, publications, or instruments . . .” it also quietly adds “. . . unless specifically permitted by law.” From reliable sources we learned that Rep. Rogers doesn't much care one way or the other about the FCC's charging the fees, he is

1. S9, July '63, p. 7.

2. S9, Sept. '63, p. 58.

3. S9, Aug. '63, p. 50.

mainly concerned with their obtaining the proper authority to collect them!

If H.R. 6697 failed, it would be a veritable green light for the FCC to assume that they did not need Congressional approval to collect the fees and they would then go right on collecting them. If H.R. 6697 passed, the way would then be clear for the FCC to pressure Congress to give them the teeth to collect the fees. For all we know, Congressman Rogers might very well vote to grant them this authority. Once the FCC received this approval we would have the fees with us legally, finally, and once-and-for-all. Without H.R. 6697 ever having been introduced, the FCC would still be playing it by ear and taking its chances with getting knuckle-rapped again by Congress. Clearly, it would seem that everyone in communications would have been better off if H.R. 6697 had never been introduced, leaving the FCC to again take its chances with its Achilles' heel showing.

As a result of this, S9 steered clear of Rep. Rogers and his bill, together with the affiliated hearings on same. Lending it support were a number of organizations and individuals, both impressive and meaningless. One of the supporters was the American Citizens Band Association (ACBA), which filed a lengthy petition with Rogers' committee.

The ACBA (according to their President's message in the April issue of the *ACBA Journal*) was being pressured by the members to do something (*anything!*) to justify their existence, since the members were demanding more than a membership card, decal, and the offer of red shirts and lapel buttons, for their \$4. When H.R. 6697 came along it looked like the answer to a maiden's prayer, and the ACBA went running blindly to Rogers, with the joy of finally having a "legit" cause to support clenched tightly in their hot little fist, little realizing that they had not bothered to think out the ramifications of the bill. What's worse, they did it in the name of *all CB'ers*. As ACBA President Ralph Johnson said about their support of H.R. 6697, "I am extremely happy and proud that we were able to perform in this area and to be able to offer some tangible evidence that we are indeed in a position to *represent all CB'ers*." It would now seem that in their zeal they have *again* placed all CB'ers in an embarrassing position.

Perhaps, after all, it might have been better if you readers had given S9 a little encouragement on this matter before everyone hopped on Rogers' downhill band-

wagon. At the time we asked, we *might* have been able to do something *if* we had your support.

Shortly after the hearings were held, one of the major supporters (not ACBA) confided to S9 that they had no idea of what they were endorsing when they supported Rogers' bill. They now have serious doubts as to the advisability of this bill reaching a vote.

As we said in S9 last September, "When you start shelling out the loot for your CB license, I hope that you will remember our July editorial."

Regarding the ACBA's good efforts on behalf of H.R. 6697, all we can say is what Hardy used to tell Laurel, "Here's *another* nice mess you've gotten us into."

NICE GUYS?

The new "nice guy" image which our friends at the ACBA are affecting of late is tarnishing at the edges. It seems that the top brass of ACBA contacted S9 staff members while they were in Chicago recently. Our boys were invited to a private booze party (paid for by the ACBA people—Is that what they do with your dues?) and were told "nicely" that unless S9 turns off the opinions about ACBA, or decides to tell the ACBA approved version of the truth, they were going to *tell* their members not to read S9. This is yet another example of their thought control tactics (like telling Ernie Walker he would have to stop criticizing them and that he would have to follow the ACBA party-line unflinchingly), it is pretty far out inasmuch as we have *never* told anyone not to join ACBA. All we have ever done is shine the light of truth into their dark closets. Nevertheless, despite their threats, S9 will continue to express independent, free press, opinions—and if the opinions tromp on any toes at ACBA, we will just have to hobble along without their support.

By the way, the "President" (the one the members didn't elect yet) of ACBA, Ralph Johnson, told our fellows that he has been quietly in contact with the FCC, urging them to go on a CB cleanup campaign in the Milwaukee area. Look for it gang! Big Brother is watching you! This was predicted on page 39 of our June issue.

S9

**SEE PAGE 54
FOR SURPRISE
ANNOUNCEMENT**

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.

QSL CARDS, EYEBALL CARDS. The largest designs, colors, cardstock. Samples—10¢. APRIL SIGN, 56290 Van Dyke, Washington, Mich.

CB QSL CARDS—100 two-color \$3.00 postpaid, samples—10¢. Rusprint, Box 7575, Kansas City, Missouri 64116.

QSL's CB, WPE SAMPLES 10¢. NICHOLAS & SON PRINTERY, P.O. BOX 11184, PHOENIX, ARIZONA 85017.

SUPERIOR RHOMBIC ANTENNA: Guaranteed to be superior to any other antenna on the market or money back. Increases your range and reduces noise level. Excellent where long distance communication is necessary. 12DB Forward Gain, 100 DB Front to Back ratio. Works well on all channels. Easy to match to transmitter. Easy to install. This is the same antenna used by the American Telephone & Telegraph Company for overseas communications. **ORDER NOW!!** Only \$19.95. The Hilliard Laboratories, Box 2614, Macon, Georgia.

QSL's. ASSORTED OR ALIKE. Down to earth prices. 5¢ stamp for samples. Allen Welch, Mt. Union, Pa.

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

FREE SAMPLES—CB QSL CARDS—\$4.00 PER 100—TWO COLOR—POSTPAID QSL PIONEER, P.O. BOX 2451, PATERSON, NEW JERSEY.

CONVERT the inexpensive Surplus BC-659 to CB with crystal filter, AVC, squelch bias, Pi coupling, electronic push to talk, xtal controlled receiver, 2 RFs, 14 tube operation. Conversion parts kit and plans \$20.60. Plans only, \$2.00. Jay's CB Service, P.O. Box 173, Citrus Heights, Cal.

CB QSL CARDS. New Kute, Klever, Komical designs. Reasonable prices. Brilliant colors, including beautiful silver and gold. Samples Free. M. Hellwig, Box 425, Lake Wales, Florida.

ABSOLUTELY BEST PROTECTION YET! Large federal warning decals displayed on your windshield warn against the serious crime of tampering with or stealing your CB equipment. A necessity in alerting the public and preventing your losses. Rush \$1.00 for each pair of three color decals to: ARTCO, Box 8202, Atlanta 6, Georgia 30306. Return mail delivery!

CB QSL cards. Free samples. Little Print Shop, Box 9401, Austin, Texas.

PROTECT YOUR RADIO with these FCC WARNING LABELS, durable non-fading aluminum, with adhesive backing. RUSH \$1.00 for each pair to THE MAIL MAGNET, P.O. BOX 19768, Rimpau Station, Los Angeles 19, Cal.

GLOSSY 3-COLOR QSL CARDS. 100-\$4.50. Free Samples. Rutgers Vari-Typing Service, Thomas Street, Riegel Ridge, Milford, N. J.

CUSTOM DESIGNED QSL's 2-sided. White gloss \$25 per 1000 Samples & Details 25¢. Rambling Red-Skin: 514—62nd Street, West New York, N. J. (KBG2874).

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FCC WARNING DECAL against unauthorized use. 2x3 35¢; 4/\$1.00. 3x4 65¢ 2/1.00. POLICE EMERGENCY DECAL 65¢ 2/\$1.00. Box 457, Encino, California.

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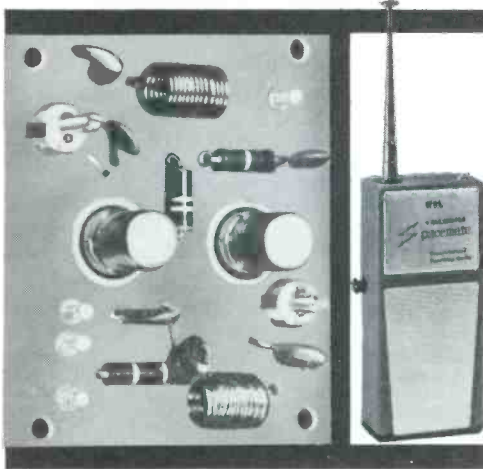
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Hallicrafters	5
Hy-Gain Antenna Products	Cover 3
International Crystal Mfg. Co.	Cover 2, 8
Johnson, E. F. Co.	18
Knights, James Co.	10
Knox Electronic Supply	63
Kolin Engineering	43
Lafayette Radio Electronics	11, 12, 13
Lafayette Radio, Dover	63
Marina Communications	46
Master Mobile Mounts	21
Multi-Elmac Co.	39
National Sportswear	43
New-Tronics Corp.	35
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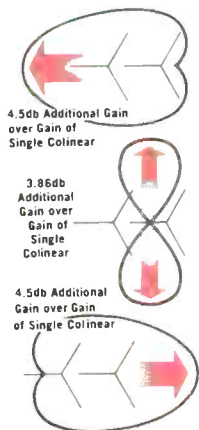
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