

**\$3,500 IN CB FINES, 11 LICENSES REVOKED, P. 55**

JANUARY 1964

50c

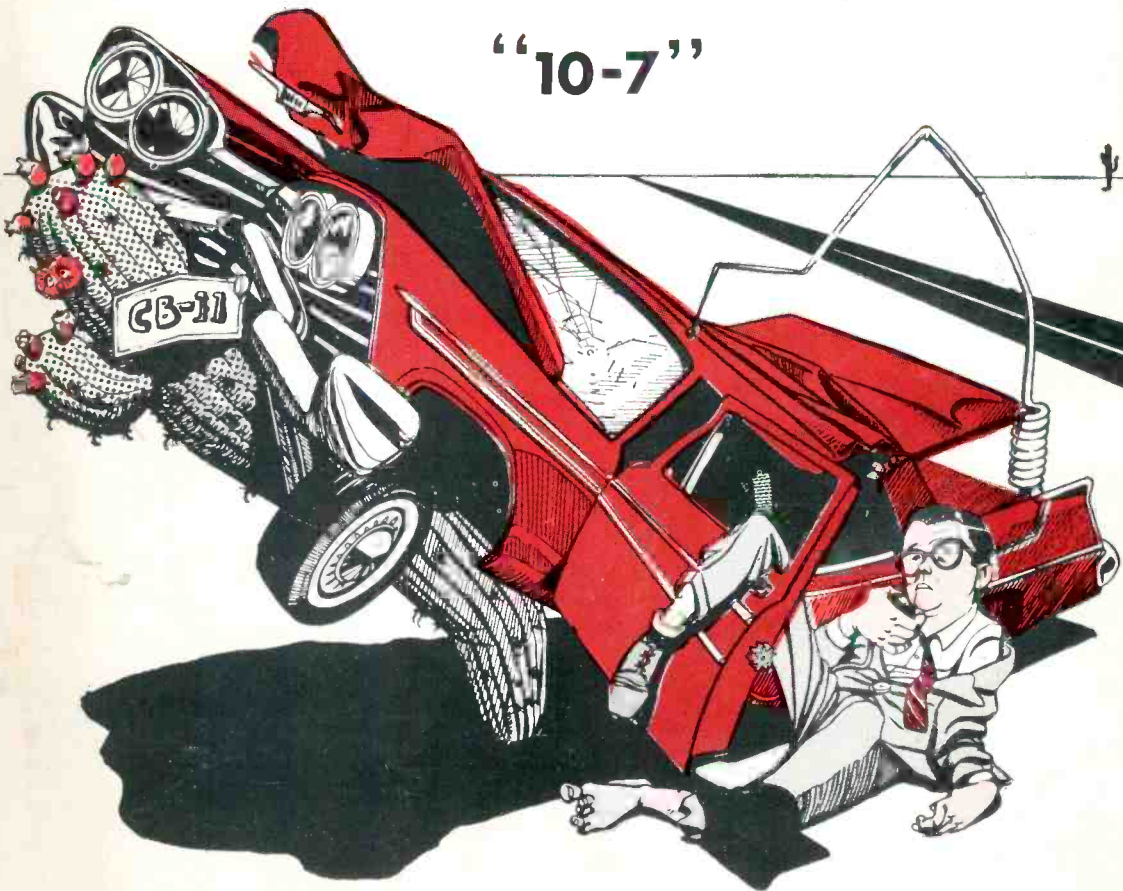
# \$9

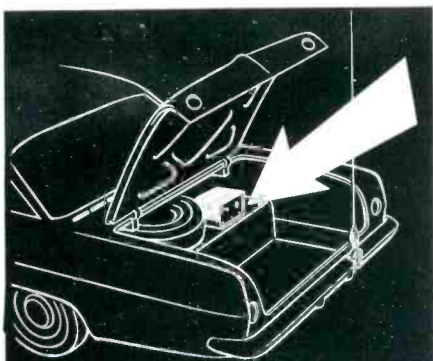
*the citizens band journal*

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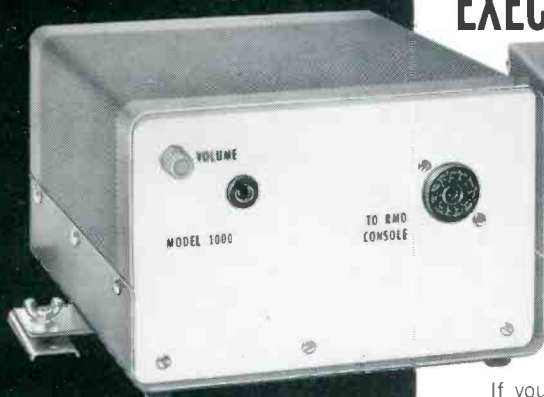


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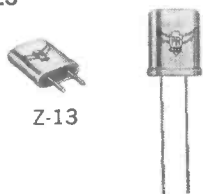
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Vol. 4, No. 1

S. R. COWAN, PUBLISHER

January, 1964

*the citizens band journal*

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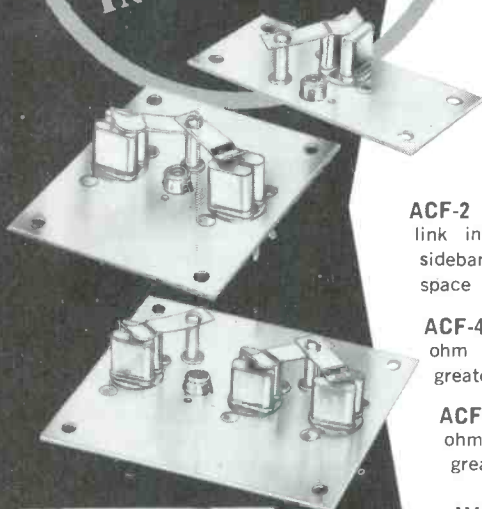
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# READER MAIL

## PART 15 COMMENT

Sirs:

Regarding Part 15 Korner (page 34, November, 1963), I wonder why grown men spend \$1000 on 5 watts. "Toy" airplanes are much more challenging.

David Worthington, WA6WLE  
Orinda, Calif.

Dear Sirs,

What could be more childish than a grown man paying \$300 for a 100 milliwatt transceiver? How much self respect do these Part 15'ers have who are satisfied to settle for "play-pretty imitation Ham Radio?" I suggest the future issues contain a Mickey Mouse column.

Perry Knight, WA5CTP  
Miami, Okla.

*The first of these two Ham letters shows a popular Ham impression of CB; that having a 5 watt rig costs \$1000. The second letter, which came via Registered mail, is from a newly licensed Ham (judging from the callsign), it shows typical "sour grapes" thinking about CB'ers which still persists in some Ham quarters. We would be willing to bet that the authors of both letters started out in radio as CB'ers.*

## FROM CANADA

Tom,

I am writing this letter for some advice. Here in Canada we have 6 to 10 different makes of CB units to choose from, while in the States you have literally hundreds. As you know, all sets coming into Canada have to be approved by the Department of Transport (our FCC), and only a few companies have bothered to submit their sets for approval.

I would like to buy a Regency Range Gain rig, but since it hasn't been submitted for DOT approval by the manufacturer, I wouldn't be able to use one. Why doesn't Regency (and all the other American manufacturers) submit their gear for the necessary approval the same as E. F. Johnson, Raytheon, and others so that us Canucks can get a larger choice of equipment?

T. A. Burton, XM41-198  
Stouffville, Ont., Canada

*With the Canadian market rapidly growing, it would certainly seem that many manufacturers are missing a good bet. We have noticed a sharp rise in our Canadian subscriptions during the past four months and it looks like many people are underestimating this valuable market. Thanks for calling this situation to our attention, Mr. Burton.*

## ACBA

Mr. Kneitel,

What's wrong with you? Are you jealous of our

organization that you start printing little 'fibs'? I agree with Tommie Mellons, I don't subscribe to S9, but if I did, I would cancel. You stated that ACBA has only about 1,500 members. There are more than that number in Kingsport alone.

Billy Blanton, KDD4303  
Kingsport, Tenn.

Tom:

I received a letter from the ACBA asking me to become one of the "charter" (first 10,000) members. In the letter it mentioned a "hobby channel" as a "tentative promise" by the FCC to the ACBA. Since when does the FCC start making promises to anyone like that? I would like to nominate you for president of a nationwide "pro-FCC" club.

By the way, Nevada monitors channel 9, not 11 as reported in the October CB CHIT CHAT COLUMN.

Steve Herberth, KFC3527  
Reno, Nevada

Dear Mr. Kneitel:

Much to my dismay I promptly joined the ACBA but I shall not renew my membership upon expiration. I am discouraged by the tactics and the language used by the organization. There *must* be a better route to gain national representation than this! Let's have it!

Rhodney G. Freeman, KEG4724  
Mt. Pleasant, Texas

Gentlemen:

Our organization, the Cambridge CB Radio Club, Inc., voted unanimously at a recent meeting to have *nothing* to do with the ACBA. Let me congratulate you on your editorial position with respect to the ACBA and other similar organizations which operate under the same philosophy.

R. Curtis Brown  
Cambridge, Ohio

Dear TK,

I heartily congratulate you on your handling of the "hate-the-FCC" group known as the ACBA. The literature which they bombarded us with can only make things worse for us. I have every issue of S9 from August '62 and will continue to collect each new one as it is issued.

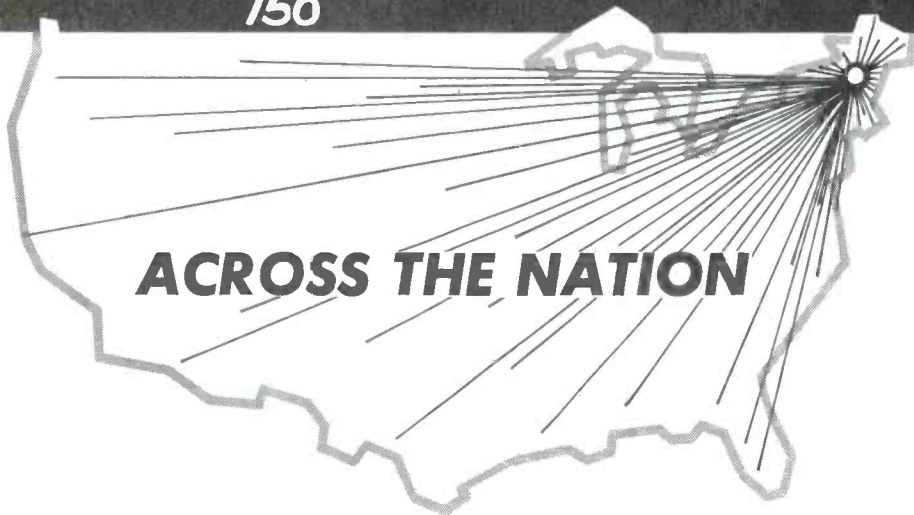
Bruce Dane, KBG7162  
Syosset, N. Y.

Dear Sir:

I would like very much to see S9 start a national CB organization. I believe that your magazine could really put one over the *right* way. How can our club help S9? Yours seems to be the only one interested in helping lowly CB'ers?

Raymond Cline, Vice Pres.  
The High Five Watters CB Club  
Elizabethtown, Ky.

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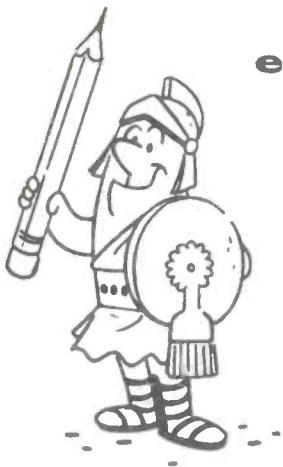
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editorial

# KBG4303 rides again!

by TOM KNEITEL  
EDITOR, S9

## IT COULD HAPPEN HERE

In a sort of tragic example, we may be learning some of the hitherto unknown aspects and consequences of national radio organizations. Case in point: The American Radio Relay League (commonly called "The League," a national organization for Ham operators). Since so-called national organizations have been the topic of considerable verbage in CB circles of late, and because this whole business with the League hits close to home, it may be worthwhile for us to spend a moment on it and see what *could* happen to us.

Under present Ham regulations, all General and Conditional class operators are permitted full operating privileges on all Amateur bands—this includes the VHF bands (good for local contacts and, on 6 meters, sporadic skip contacts around the continent) and the low frequency international DX bands. The League suddenly decided that there would have to be some special reward for those Hams who are more technically minded than others—and this was certainly a nice thought to give an incentive for non-technically minded Hams to improve their skills. But what reward to give? Additional frequencies were out of the question, so was higher power. At last they decided that it would be a reward-in-reverse for those who *aren't* interested in improving their technical skills. Yes, that would certainly fill the bill. So the League headquarters gang sat down, wrote up a proposal and filed it with the FCC. As the proposal reads, a great many of the existing operating privileges of General and Conditional class Hams would be revoked. In order for these Hams to continue operation on bands which have been theirs for years they would (if the proposal is accepted by the FCC) then have to pass stiffer exams. Of course, many of the General class

licensees may *not* want to "improve themselves," and there is also the question of what happens to the money invested in equipment for bands upon which they cannot operate. To the League, these are obviously minor points.

Nevertheless this proposal was shipped merrily off to Washington to be considered by the FCC. No poll was taken of the members of the League to see what *they* wanted—instead the League has devoted page upon page of grim and heavily labored justifications for their move to try and make it palatable for their members; most of whom seem to think the whole idea just plain stinks. As a result, the League has lost many friends and has taken Ham radio to the brink of back where it was 13 years ago when similar regulations became so outmoded that they had to be scrapped.

This whole problem was created as the result of a brainstorm by the small clique of people at League headquarters, and it is our opinion that there is (if we are not careful) the possibility of a crackpot scheme of similar consequence being cooked up right here within our own CB ranks. Something like this happens when an organization gets to the point where it feels that it is the lord and master of its members rather than the servant. Or it happens when a small clique within an organization makes big policy decisions based on their own personal opinions of what *should* be.

Looking at it from the CB point of view, suppose *you* belonged to a national CB organization. Suppose this organization was run by a clique of people or by one person. Suppose this clique or person decided that certain CB'ers (you included) could operate on only one single channel, or they decided that your equipment must meet certain

*Continued on page 58*



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# Radio's Rugged Ranks

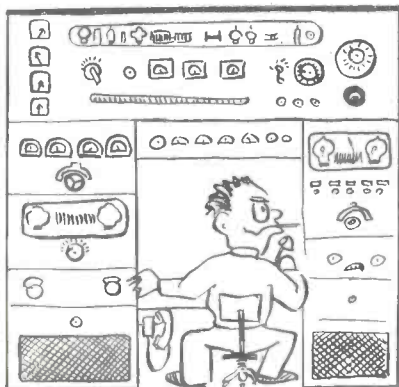
## THE OL' TIMER SPEAKS HIS MIND

The Ol' Timer and I hadn't seen each other for a long time, so when I dropped by to see him the other day, it was a pleasure. It is always nice to know that people can be good friends without falling all over each other. Our infrequent visits are always enhanced by brew of some kind or another; this time it was Old Gassmeyer, "The Beer That Made Milwaukee Jealous." Naturally we got around to CB in a hurry and kicked it around a bit. I mentioned that I had heard a particularly silly transmission on 11 recently. I was one of those un-ending rig descriptions which accounts for each and every element in the entire system from the line fuse to the bird which sits atop the ground plane radiator.

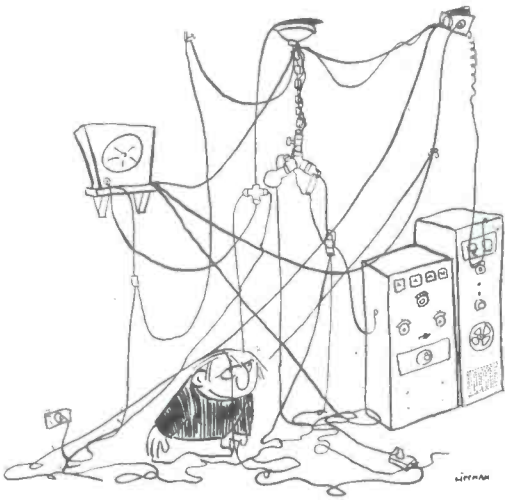
The OT poured me more Old Gassmeyer and said, "It doesn't take all kinds, but we've

got them anyway. I've been a CB'er in a half a dozen call areas, under as many call-signs and I guess I've known just about every kind of CB'er there ever was. At any rate, I've met up with some pretty typical ones.

"Jack the Spider was an example. Talk about wire—that guy had plenty of rigs but they all looked the same. Just a bunch of parts laying around with yards of loose wire hanging it all together. It looked like the picture in a health book showing the circulatory system—only with more colors. Some leads were soldered but a good many of them were just twisted together. And the Spider sat in the middle of it all. Back in the days when Channel 11 was still unused, the Spider went up to check his antenna one night and happened to get a foot caught in his handi-



"He can remember the callsign of every station in the country, but he never remembers his wife's birthday."



Jack the Spider, who lived in a maze of wires.

work. Jack reached for something, evidently to regain his balance. He must have grabbed wire. The Spider always did admire Cadillacs. It's too bad he drew the kind with the door in the back end.

"Mack, the Master Mechanic, on the other hand, really went in for permanent construction. This old friend of mine would start off with a lot of metal stock, his machine shop, and a year's ration of spare time. He'd begin in machining, threading, reaming, burnishing, plating and spraying. None of us ever had to worry much about the task of making a hole in a panel for a meter or transformer with Mack around. The Master Mechanic's idea of a nice afternoon project was to take 6 months worth of S9's and knock out all of the construction projects. He even made his own knobs for controls and such—he was the first one around here to have a hydromatic beam rotator. Mack, of course, never was heard on the air—you can't very well try to veed your mobile unit out of the QRM while trying to manipulate a chassis punch."

I agreed with my friend that such a man as Mack would find little time for anything like actually using the CB equipment he had built. "How about a *real* CB'er," I inquired, "you must have known some of them in the old days."

"Well, I guess so. Telegrapher Tom was our boy. Tom would get up from the supper table and dash off to his shack. The shack was designed just like one of the old railroad telegraphers places, right down to the pot bellied stove and telegraph key, I don't think he ever owned a mike. His rig was just the receiver portion of a transceiver built into an old Victrola case—which he dusted and tuned once or twice a year. I can't remember too much about the other equipment he had—

but that shack was "the most." Tom had himself an old Oliver typewriter, a green eyeshade, black sleeve covers, and even a little fence-and-gate arrangement across the room. There was a Seth-Thomas clock fully two feet in diameter hanging on the wall. I don't recall that Telegrapher Tom had a bicycle and messenger cap, and there's no good in letting exaggeration creep in, yet he *might* have had them at that. Well anyway, he devoted himself to "reading the mail" and he prided himself in knowing all the latest news of the area, fresh off the band. You had to admire his tenacity in making certain that not one piece of worthwhile news evaded his ears."

We strolled into the kitchen of the house to see how the supply of Old G. looked. "So, looks like you've given up on the new 23 channel rig deal and bought the XYL a new washer," I exclaimed.

"Yup, traded the old one in, and it was about time, too. Sort of reminds me of Trader Schraeder, one of the gang down at the old Five Watt Wizards—there was a real radio club, son. Trader's place would make missile control center look like some exhibit at a junior high school Science Fair. By the time I got rumors on new gear, Trader had one. He must have had a standing offer with the Lenient Lebanise Company for everything new that came along. You'd ask Trader how he liked his new *Super CB Rocket Transceiver*, and he wouldn't remember too much—having already traded it in on a new *Band Bungler, Mark II*. He had his junk box, all right, but what a wonderful one—maybe one item or so showed any signs of having been soldered onto. The rest was strictly off the dealer's shelf. Whenever Trader Schraeder started to put up a new antenna, for example, he would go out and buy a whole carload of aluminum tubing. Often he would change his mind and never use the stuff. Nice for the kids just beginning, though. They could always talk him out of a length of tubing, a hank of cable, a mike, some connectors, or a lot of things. I never could understand how Trader did all this on his income, but it was his—not mine—so it was none of my business."

I offered my venerable friend the suggestion that the Trader must have taken good care of his equipment so that he could make favorable trade-ins.

"He sure did. He was not like that character, Diddler Dooley. For a guy who started out like a person with a brain all in one heap, Diddler did the whackiest things. You could give him a 100 pound anvil, and he found a way of 'modifying' it. All that kept him from doing a job on the tubes in his trans-

ceiver was the lack of a vacuum pump. There just was nothing built that he did not think needed some improvement to make it hotter, easier to operate, better looking, or 'more flexible.' His transceiver was the same model as the same one I used to operate—at least they both had the same name engraved on the front panel, but after Diddler got through tailoring his, no one knew what he had. He changed everything in it but the fuse, and that blew the first time he turned it on. Maybe some of his changes were good, but generally they were regrettable. But he believed in them. He even wrote a letter to N.B.C. and told them that their local 50 kilowatt broadcasting station was off frequency. Dooley went beyond the realm of radio with his obsession of his—he tried to soup up his neighbor's Edsel and almost got into a lawsuit. Well, Diddler worked for an accounting firm, and he was a good man there. He had to be. If he had modified their books per instinct he would have ended up worse than Jack the Spider."

By this time the Old Gassmeyer was gone, and so was the day. As I prepared to depart, I said, "Well I guess us CB'ers are a pretty kookie bunch, but at least, in the long run, we're doing the community some good."

"Unfortunately," he replied, "there must be exceptions, why there must be exceptions, I do not know, but evidently there must be. I'm calling no names, but there is a chap we can call the 'Tramp.' There is just about one in every city, and this city is no exception. The Tramp is a hopeless fanatic. I suppose all fanatics are hopeless, but the Tramp is worse. All he does, or wants to do, or thinks about is, CB radio. He is a nuisance to his neighbors, a liability to his boss, a discredit to his forebears, and a misfortune to his family. His kids go raggedy, but somehow he manages to buy the latest CB rig—strictly premium merchandise. He can remember the callsign of every station in the country, but he never remembers his wife's birthday. The Tramp will jam every



Telegrapher Tom, a real operator.

TV set for blocks and brag about it. Let him 'break a channel' and he will hold it for an hour with his overmodulated signal and snide remarks. Let him in your club and he'll raise a debate over something obviously unanime. I guess the one thing you can say for Tramp is that he reduces QRM. When the fellows hear him on, or think he might come on, they stay off to avoid him. We hear people refer to CB'ers as being in need of psychiatric treatment—or something equally unflattering. Those folks have met The Tramp, or The Tramp's neighbor or employer.

"You might say that all of us have a little of each of these fellows I've mentioned in us in varying degrees. You may not agree with that, but I'm sure of one thing—all CB'ers are not alike by any means, and that makes it all the more interesting. Well, good night, thanks for calling, and drop in any time you are over this way."

"Good night, and thanks for the refreshments," I called out as I left.

It was a real nice QSO, and there was no QRM.

**S9**

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MADE IN U.S.A.

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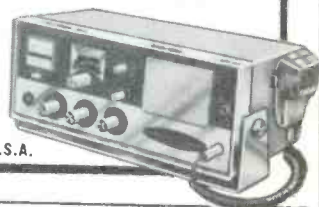
## LAFAYETTE DELUXE DUAL-CONVERSION C.B. TRANSCEIVER

- 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

**129<sup>50</sup>**

HB-111

Made in U.S.A.



## LAFAYETTE 23-CHANNEL CRYSTAL-CONTROLLED C.B. TRANSCEIVER

- 23-Channel Crystal-Controlled Receiver & Transmitter—All Crystals Supplied
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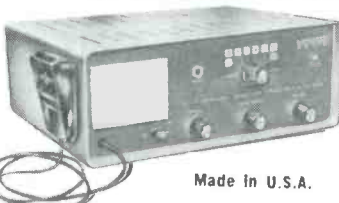
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HB-222

Delivery Oct. 1963

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



Made In U.S.A.

**59<sup>95</sup>**

HB-115

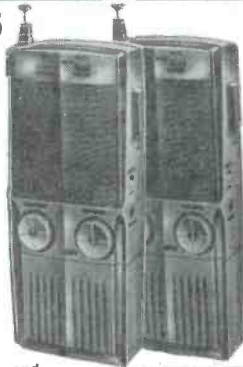
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- Tunable Superheterodyne Receiver Over All 23 Channels
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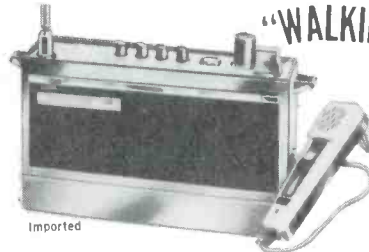
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"WALKIE TALKIE"

**79<sup>95</sup>**

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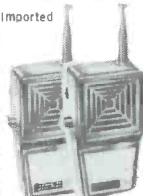
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- Modulation Battery Strength Meter
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CB "WALKIE TALKIE"



Imported

**25<sup>95</sup>**

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
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"WALKIE TALKIE"

with Noise Squelch

**39<sup>95</sup>**

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- Separate Microphone and Speaker for Better Modulation and Increased Range
- Crystal-Controlled Transmit & Receive
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# THE YANKEE CLIPPER

## A PREAMPLIFIER/SPEECH CLIPPER FOR CB

by BILL SIKES, KEG5051

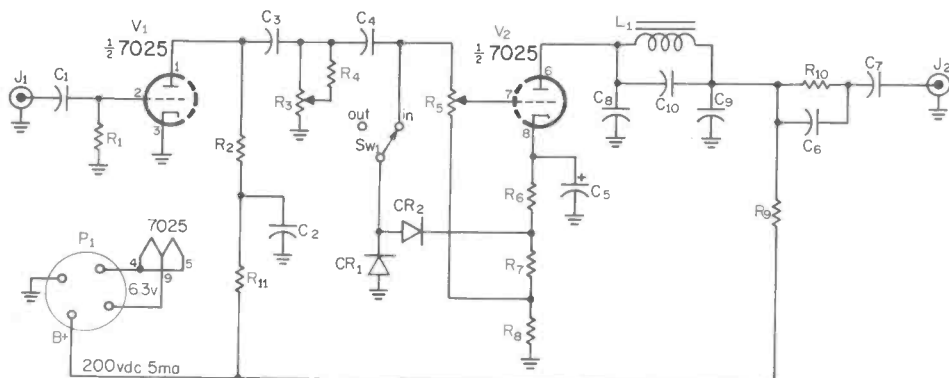
Last month we tantalized you with a one transistor speech preamplifier for CB. This month it's a 1 tube job which offers pre-amplification with the plus of speech clipping for that extra "punch," or, as so many CB'ers call it, "talk power."

Without resorting to a difficult-to-understand technical tirade, you will be interested to learn that by utilizing a clipping device that can be adjusted to clip peaks in the speech wave at any desired amplitude, power in the speech wave can be increased to equal the same peak amplitude. This is true because the low level portions of the wave can be further amplified without causing over-modulation on signal peaks. These peaks are held at a constant amplitude by the clipper, and amplification prior to the clipper increases the speech power without increasing the peak amplitude.

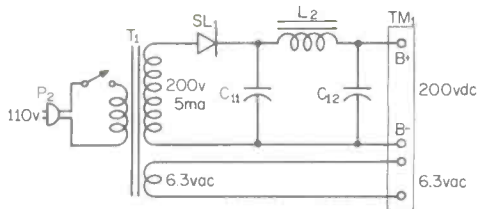
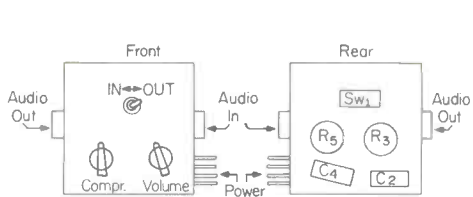
Once the modulator gain has been set for 100% modulation it will be impossible for

### PARTS LIST

- C<sub>1</sub> .02 ufd
- C<sub>2</sub> 10 ufd 250 VDC electrolytic
- C<sub>3</sub> .003 ufd
- C<sub>4</sub> .01 ufd
- C<sub>5</sub> 20 ufd
- C<sub>6</sub> 300 uufd
- C<sub>7</sub> .05 ufd
- C<sub>8, 9</sub> 200 uufd
- C<sub>10</sub> 180 uufd
- R<sub>1</sub> 2.2 meg
- R<sub>2</sub> 220K
- R<sub>3</sub> 500K potentiometer
- R<sub>4</sub> 100K
- R<sub>5</sub> 100K potentiometer
- R<sub>6</sub> 300 ohms
- R<sub>7, 8</sub> 600 ohms
- R<sub>9</sub> 220K
- R<sub>10</sub> 200K
- L<sub>1</sub> 4.5 Hy filter choke
- CR<sub>1, 2</sub> 1N34 crystal diodes
- J<sub>1, 2</sub> Standard mike connectors
- P<sub>1</sub> 4 prong connector
- SW<sub>1</sub> SPST toggle switch
- V<sub>1</sub> 7025 tube
- Misc. hardware, knobs, Mini-Box, tube socket, etc.







you to overmodulate because the clipper will keep the maximum output at a constant level regardless of the amplitude of the signal applied to it. This is an added advantage of speech clipping.

### GENERAL DESCRIPTION

The unit described here is an effective speech clipper, preamplifier. It contains its own splatter filter and can be used ahead of any CB rig having a high input impedance. It provides variable level speech clipping and preamplification.

The power required for the unit is small, only 200 VDC at 5 ma. and 6.3 VAC at 300 ma. A simple and inexpensive means of obtaining the above voltages is by taking it directly from the CB rig. However at this 10-20 a small power pack using a selenium rectifier supplies the power for the unit.

### PARTS LIST

- C11, 12 Dual 16 ufd electrolytic 250 VDC
- L2 4.5 Hy 30 ma. filter choke
- T1 Power transformer. 6.3 VAC & 200 VDC @ 5 ma
- P2 110 VAC plug, chassis mount type
- TM1 4 screw terminal strip
- SL1 Selenium rectifier, 5 ma

### CONSTRUCTION

The YANKEE CLIPPER can be built into just about any type of Mini-Box. The unit built here is housed in a 5" x 4" x 3" Mini-Box. The operating controls are mounted on the front panel with the power and audio connections on the sides.

The YANKEE CLIPPER centers around an inexpensive type 7025 tube, available for about \$1.35. The tube socket is mounted on an angle bracket. The splatter filter (L1, C8,

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 You're on the air with 5 channels!  
 • FREE — 4 PAIRS OF CRYSTALS FREE (Specify channels)

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C<sub>9</sub>, and C<sub>10</sub>) is mounted on the upper right, as shown in the parts layout (rear view).

Filament leads are twisted and kept clear of low level grid leads. Both grid circuit leads are shielded.

Reasonable care should be exercised in locating components to keep as much separation between stages as possible.

The power supply was also housed in a 5" x 4" x 3" Mini-Box. No special precautions are necessary in its construction. By the way, this power supply is a handy thing to have around a shack since it will power many accessories available to CB, in addition to many of the projects in S9.

## OPERATION & ADJUSTMENT

The adjustment of this unit requires an oscilloscope or some other reliable modulation indicator. Procedures for adjusting and analyzing patterns will not be discussed here as information is readily available on the subject.

Adjust the limiter control (R<sub>3</sub>) for maximum clipping and talk into the mike at normal intensity. Adjust gain control (R<sub>5</sub>) in conjunction with the gain control of the transmitter (if there is one) for 100% modulation. Once this adjustment has been made, the gain controls should not be moved. The limiter control can now be varied for any desired amount of clipping without over-modulation.

The desired amount of clipping varies under different receiving conditions and can best be adjusted by receiving different on-the-air checks. As a general rule, heavy clipping should be used only under adverse conditions, while moderate clipping can be used at all times. Light clipping (4 to 6 DB) does not noticeably change the audio quality. Heavy clipping causes the naturalness of the voice to be lost, even though the signal is very intelligible.

**S9**

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# SEE YOU ON CW

## AN EASY WAY TO END PART 15 BLUES

by ED NOLL, KCC2618

Radiotelegraph or code transmission has a way of pushing information through interference and weak-signal conditions. Certainly these conditions prevail on the Part 15 assignments. Low-power skip operation on the Part 15 frequencies can be much troubled with weak signal levels, interference, and skip fading. However, numerous difficult and sometimes impossible voice contacts can be changed over to almost solid contacts using CW.

Everyone does not learn the code in the same way. Neither do the experts agree on the just how best to teach the code. Some of the following code-learning hints may make it easier for you to take that first step.

**Flash cards.** Flash cards are still a popular method of memorizing the code. Small file cards can be used with a letter written on one side and the corresponding dot-dash combination on the rear. Of course, the card can be used both directions because code transmission requires that you both send and receive. To transmit an "A" you know you must send a dot followed by a dash. Oppositely when you hear a dot and a dash being sent to you, you must recognize it as the letter "A."

**Learn By Listening.** Many code instructors use the learn-by-listening method and do not insist on forced memorization of the code. In this case you recognize an "A" by its sound of dit-da. A "C" has the sound da-dit-da-dit, etc. Code practice records and tapes can be purchased and, in the main, they use this listening method of teaching. However, even when this method is used the fact that you have the code memorized seems to speed-up the learning process.

**Order Of Learning.** Some code operators have gotten their initial training by learning the letters in various groups. Some have learned them alphabetically, concentrating on five or six letter groups such as A-B-C-D-E, then, F-G-H-I, etc. Some have used no such grouping but have learned in a more or less all-at-once approach.

A popular method is to learn by letter groups according to the arrangements of the dots and dashes. For example, the let-

International Morse Code					
A	·-·	N	-·-	1	·-·-·-·
B	-·-·-	O	-·-·-	2	·-·-·-·-
C	-·-·-·	P	·-·-·	3	·-·-·-
D	-·-·	Q	-·-·-	4	·-·-·
E	·	R	·-·-	5	·-·-·
F	·-·-·	S	··-	6	·-·-·-
G	-·-·	T	-·-	7	-·-·-·
H	··-·	U	··-	8	-·-·-·
I	··	V	··-·	9	·-·-·-
J	·-·-·-	W	·-·-	0	-·-·-·-
K	-·-·	X	-·-·-		
L	·-·-	Y	-·-·-		
M	-·-	Z	-·-·		
Period	·-·-·-·	Error	······		
Comma	··-·-·-	End of Transmission (SR)	······		
Question	··-·-·-	End of Message (AR)	······		
Wait (AS)	··-·-·-	Fraction Bar (FR)	······		
Break (BT)	-·-·-·-				

The International Morse code alphabet, together with numbers and most needed punctuation marks. Keep this at your operating position for convenience.

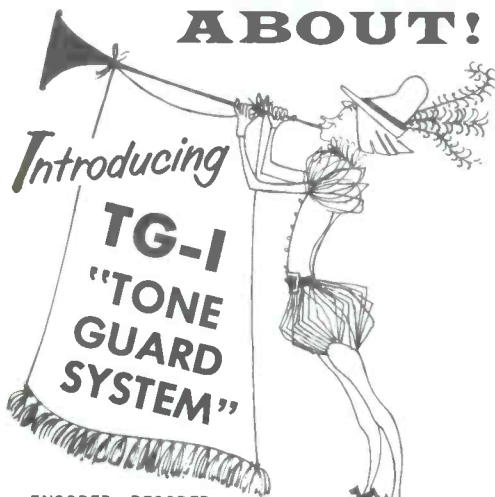
ters E-I-F and H are represented by dots only; letters T-M and O, by dashes only. The letters N-B and D, are combinations of a single first dash and one or more follow-up dots.

**On-The-Air-Listening.** After the code has been pretty well memorized it is possible to pick up speed by listening to slow sending on the air. Code practice is transmitted by the ARRL radio amateur station WIAW of Hartford, Conn. Some code practice is on the air almost every evening on the amateur bands from WIAW or other amateur code practice transmissions. There is a considerable amount of slow sending on the radio amateur novice bands, particularly in the frequency range between 3.7-3.75 megacycles.

**Learn By Doing.** The Part 15 operators can learn the code in a rather gradual manner. Just learn to send those letters and words that are necessary to confirm a skip contact. Learn how to transmit your section, prefix, and location. Of course, a very helpful way is to set up code practice sessions with other Part 15 stations in your immediate area.



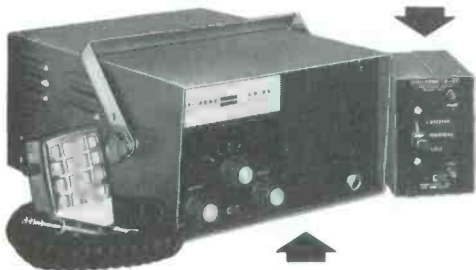
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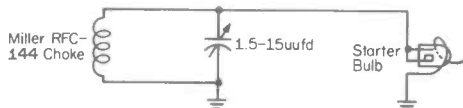
ZONE

STATE

# CB BONANZA

by KENT A. MITCHELL, KCF0147

Don't throw away those old defective fluorescent light starters—they contain a couple of useful components. One of these is a small bulb which may be used as a CB RF indicator. While not as sensitive as the standard neon bulb, it will perform satisfactorily when connected in the accompanying circuit.



The two leads from the bulb are tied together as shown and a grounded loop of wire is placed around the bulb.

Another handy item to be found in the starter is a 0.01 ufd, 250 volt capacitor which can be used in audio circuits.

## Why Have an Inferior Signal?

You won't if you use the Wallace Audio-Gainer to give you high audio talk power.

- A highly effective *instantaneous* operating clipper—not a compressor that uses RC time constant circuits
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- Unconditionally guaranteed for one year

Introductory offer—\$20.75 wired, postpaid.

No C.O.D.'s—Delivery 10-14 days.

CLUBS: write for special offer.

For further info. see Pg. 63, Nov. 9th 59 or write:

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## PLASTIC CALL-SIGNS

**13WG210**

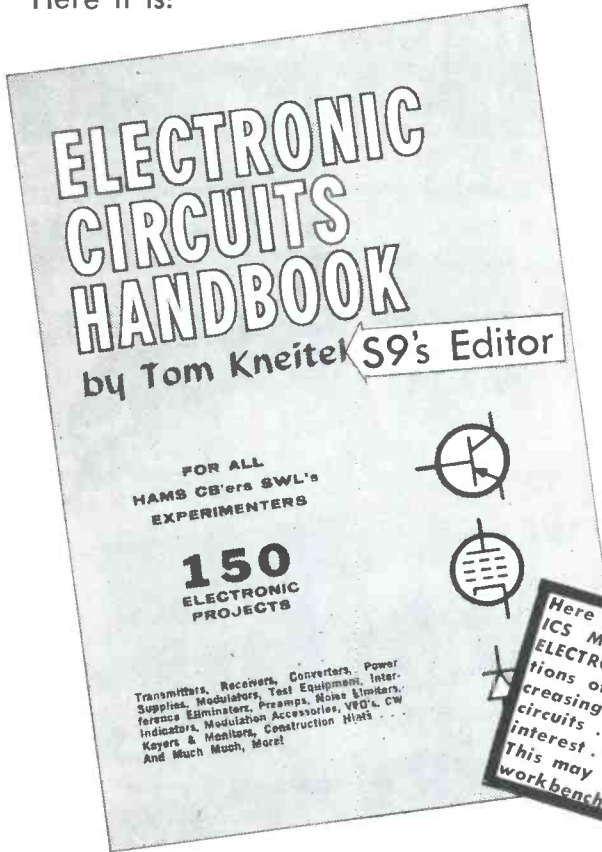
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CARR PLASTICS.

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# YOU ASKED FOR IT!

Here it is:



Here's just a sample of what you'll find in its chapters:

- Mike preamps
- Speech Clippers & Filters
- Speech Compressors
- Novice Ham Transmitters
- VOX circuit
- Walkie Talkie
- 2 Watt CB Transmitter
- Transmitting Tube Rejuvenator
- Code Practice Oscillators
- Crystal Receivers
- All-Band Receivers
- Broadcast Tuner for CB Rigs
- Receiver Preselectors
- CB Preamplifiers
- Noise Limiters
- Q-Multipliers
- Heterodyne Eliminator
- Weak Signal Detector
- Modulation Indicators

Here are excerpts from POPULAR ELECTRONICS MAGAZINE's review of Tom Kneitel's ELECTRONIC CIRCUITS HANDBOOK: "Compilations of selected circuits are becoming increasingly popular. This book, with its 150 circuits... outclassed them all in reader interest... exactly what you're looking for. This may be... a handy item on every workbench."

Here is the book we've all been waiting for! By "Mr. CB" himself, S9's Editor, Tom Kneitel, KBG4303. Tom has compiled a book which presents and discusses in detail 150 of the most often needed circuits around the shack. Beginners, old timers, Hams, and experimenters will find many valuable circuits for construction projects. There's even a chapter which tells how to make all construction projects "a snap." Here's a book which is a MUST for each and every CB'er, written by the leading authority on the subject! Get yours NOW!

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Sirs: My check (money order) for \$\_\_\_\_\_ is enclosed.  
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January 1964 • S9 • 19

# NEW WRL "DX'ER" 5-WATT CB TRANSCEIVER ENGINEERED FOR GREATER "TALK POWER" HOME • BUSINESS • MOBILE • INDUSTRY

I Full 5 Watts Power II 100% MODULATION III Built-in Three-way Power Supply IV Illuminated "S" and Modulation Meter V Double conversion superheterodyne receiver VI Push-to-talk ceramic mike VII Instant switching for 12 transmit channels VIII All channel tuning IX Unique "Spot Quick" control.

## IT'S NEW!

WRL's New Powerful 5-watt "DX'er" CB Transceiver offers more performance extras than ever before at this low price — \$119.95. Completely hand wired and made in U.S.A. to WRL's specific high standards. Deluxe Extras include DOUBLE CONVERSION CIRCUIT. This feature with its tuned circuits and IF stages offers 5 kc receiving selectivity, freedom from unwanted spurious signals, .3UV @ 6 DB S/N sensitivity, crystal controlled conversion oscillator gives minimum drift. ALL CHANNEL TUNING as found in more expensive transceivers, makes drift-free tuning E-Z. Also allows the best reception tuning to each station without a channel selector. EXCLUSIVE "SPOT QUICK CONTROL" indicates instant "on channel" transmitting position as you tune the dial by the peak position on the "S" meter. This feature eliminates any need for separate receiver crystals. COMPACT, RUGGED steel cabinet attractively finished in dark grey and white. Size: 12-1/2 x 7-1/4 x 4-1/4. Wt. 17 lbs. Complete with a channel 9 transmit crystal, mike with hanger and 117 VAC power cord.

138S013, Model DX-12 ..... \$119.95  
Buy two & Save \$14.90 ..... \$225.00  
Accessories  
86S066—MOBILE Mounting Brackets  
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- 1. Base Station Package — Save \$7.49**  
You get: DX'er Transceiver, Push-to-Talk Mike, AC Cord, Crystal for Channel 9, Hy-Gain VP-II Antenna, 50' RG-58/U, Two PL-259 Plugs, Two UG-176 Adapters. Wt. 27 lbs. ZS029 Base \$139.95 — \$7.00 per mo.
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- 5. Buy One Base Station & One Mobile Station**  
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# THE

# ACBA

# and i

by ERNEST L. WALKER

Several months ago we presented a letter from Ernest L. Walker. Mr. Walker, as you will recall, was one of the founders of the so-called American Citizens Band Association; and suddenly severed his relationship with ACBA. He told us that he would shortly make a statement to the CB'ers of America regarding his reasons for leaving plus other circumstances of interest. He herewith present his statement with the hope that CB'ers will carefully read what Mr. Walker has to say and draw their own conclusions.

Dear CB'ers,

Due to the large amount of correspondence received since my letter was printed in the October issue of S9, I wish to give as full and complete story as possible as to why I got out of the workings of the ACBA.

On June 28th, upon my arrival in Kingsport to attend the supposed "convention" of the ACBA, the business manager and the new Executive Secretary, along with the advertising manager of CBH, came to my motel with ridiculous looking red shirts, giving one to me and one to Tommie Mellons and Claude Horne. They asked us to sell them for \$8 apiece to ACBA members. I refused to do this and told them that I felt that ACBA should not be in the variety store business and what ACBA needed was not red shirts but rather a national organization—at least that before we went into the trinket business. Upon receiving this shirt I showed it to another ACBA member who was in the men's wear business and he told me that he could offer that shirt for \$3.50 each

plus about 50¢ for putting the ACBA emblem on the back.

Then, after we all returned home I received a letter from ACBA's Bob Cooper demanding that I get out of ACBA. In the same letter he asked that I get rid of Mr. Charles Messenger of General Radiotelephone—General was the only CB manufacturer who showed any interest in the ACBA from the start. I quit ACBA on September 12th.

Suddenly, on September 29th I received an unexpected surprise. It was a letter from Bob Cooper telling me that he had left CBH and was going to put in full time on ACBA. Mr. Cooper asked me to join with him in promoting the ACBA, now telling me that he had no quarrel with me. Then, on October 6th he wrote again, emphasizing his feelings that I join with him. At this time he also told me that ACBA officers Thacker and Bromley had quit, leaving the ACBA with only two officers. From Cooper's letter I determined that Thacker and Bromley had quit because they wanted to know from Mr. Cooper where the money was that the ACBA was supposed to be receiving from CBH from the sales of books, etc. This, Mr. Cooper, denied any knowledge of.

At the time when Mr. Cooper came to Kingsport as the guest speaker, he stated, before 350 people at the Ketron High School, that CBH and Horizons Publications will give help to get the ACBA started. He promised one dollar to ACBA on the sale of certain Horizons products—and he did this without

anyone from ACBA asking him for this help. As of this writing I would still like to know where any of this money is, and if it was ever deposited to the account of ACBA. Mr. Thacker and Mr. Bromley were told that CBH would not be able to pay out that kind of money. Mr. Cooper blamed me for causing the resignations of Mr. Thacker and Mr. Bromley because I had called this matter to their attention.

At a later date he (Mr. Cooper) explained about the ACBA to the membership telling them that CBH would give ACBA the difference from 78¢ to \$1.50 price to the CB'ers. At the ACBA convention the officers asked Mr. Cooper and Mr. Bostick about the amount of money that was in the ACBA kitty from Horizons efforts. Mr. Cooper and Mr. Bostick got up before the membership and said that due to the extra cost of getting out the log-books, the actual cost was \$1.40 and that the ACBA would get only 10¢ each.

Then, later, a bulletin was sent out to CBH dealers telling them that they could buy the log books for \$1.00 each and that a bulk order would earn them a discount price of 90¢ each. The question then arises, "how can CBH make any money when they told the people in Kingsport that the actual cost was \$1.40 if they are selling it for 90¢ and \$1?" Are they going to take a 40¢ loss on each sale, and were they *still* supposed to give the ACBA 10¢ each? I called this matter to Mr. Thacker and Mr. Bromley, sending them the bulletin with the dealer discount prices. The log-book was originally supposed to have been printed under the ACBA's name, with ACBA receiving all the profit, as I understand the situation.

After the October issue of S9 came out, I received a letter from Tommie Mellons, Chairman of the ACBA steering committee (this job as given to him at the starting of the ACBA by the newly joined members, however he signed his letter as a Trustee of ACBA). Mr. Mellons really took me over the coals and told me that I had no right to talk about the ACBA and that he, and the other people in Kingsport, felt that I was a traitor. I told him the facts, about how I came to "resign from ACBA," about how the telegram which I was supposed to have sent to the editor of S9 (as in the August issue of S9) was actually written by Bob Cooper in Oklahoma City and then sent to me for my resending to Tom Kneitel at S9, I told him how Bob Cooper wrote to tell me that he had personally written all of the ACBA literature, signing the names of others to each masterpiece because he felt that there was nobody in the organization capable of doing this writing. I asked Mr. Mellons to please

explain how he earned the title of "Trustee" along with Mr. Horne. You will notice in my letter in the October issue of S9, I mentioned that Mr. Cooper was Administrator or Manager. This was peculiar, since he had earlier informed me that he was *not* the Administrator or even an officer of the ACBA and that he didn't want such an office.

Low and behold, his letters of September 29th and October 6th were both signed as Administrator. How could he get such a title without the approval of somebody. The only other officers left were the Secretary and the Chairman and they, themselves, were also "promoted." These three people can do anything they want with the organization until a national election is held. But who am I to say what they can do?

Not long ago I received a letter from a CB'er asking me if the man who called himself "Ken C. Bostick" was actually the younger brother of Bob Cooper, "Mr. ACBA" himself. He said that he had known a "Ken Bostick Cooper" in California and requested that I ask Mr. Cooper if this was actually his brother. I wrote and asked—and received no answer. I again wrote and asked Mr. Cooper for a clarification. As of this writing, I have received no word on this from Bob Cooper. I also asked how much money the ACBA had in its "kitty," I asked for the truth on how many members were in the ACBA, I asked where the authority came from which "promoted" the three ACBA officers to their new positions. My answer was a letter from Bob Cooper telling me that I had asked too many questions and that the only answer that he would give me was the fact that the by-laws of the ACBA give them the right to change titles giving him the job of Administrator, and Mellons and Horne the title of Trustees.

These are questions which should be answered before the members of the ACBA.

I have notified the ACBA that I want no part of this kind of operation. I honestly don't see how any member can stand by and watch these things going on.

Even though I had resigned by post at ACBA. I received a letter from Bob Cooper, dated October 31, informing me that my membership in ACBA was suspended for 90 days, effective November 1, 1963. Cooper advised me that the ACBA's claim that I "have been working through secret pacts with S9 Magazine and one or more manufacturers to subversively take over control of the ACBA, Inc., will be presented to the ACBA board of directors at their first meeting in February, 1964." Hogwash!

*Ernest L. Walker*

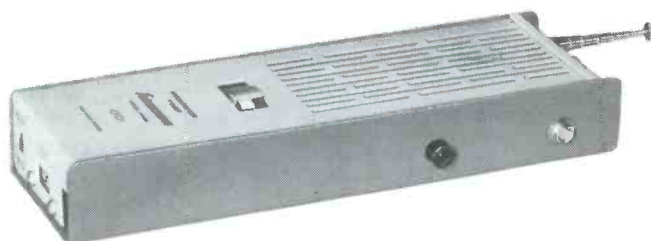
The above expressed opinions are those of Mr. Ernest L. Walker and do not necessarily represent those of S9 Magazine.



# Heathkit's great base station deserves



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In a two-way radio communications system, overall performance is only as good as its weakest link. The deluxe Heathkit GW-42 "Master Station" CB Transceiver teamed up with the powerful GW-52 1-watt "Walkie-Talkie" brings you Citizen's Band radio facilities of outstanding capability with complete freedom and mobility of operations. Check and compare the many features offered in Heathkit equipment with any other... see why Heathkit is your best buy in CB!

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Kit GW-42... 23 lbs. .... \$119.95  
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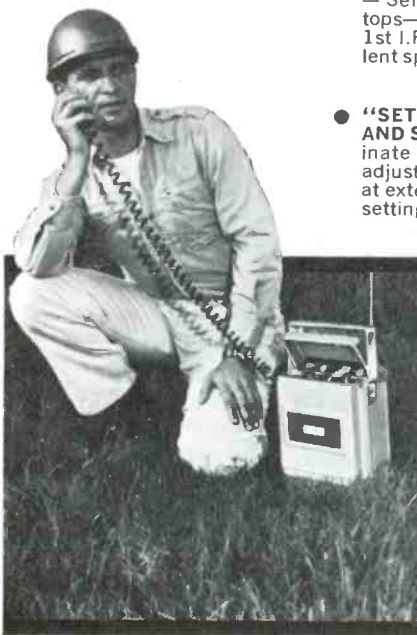
# Newest! Most Versatile! Most Power Out!

## Everything you ever wanted in a CB transceiver!

# MESSENGER III

Up to the minute in engineering, the "Messenger III" has 18 transistors and 5 diodes—offers compact size, a husky signal, extreme sensitivity, razor-sharp selectivity and complete adaptability for base station, mobile, or battery powered portable use! Way "out in front" in sophisticated engineering and styling, the "Messenger III" gives you everything that you've ever wanted in a Citizens Band transceiver!

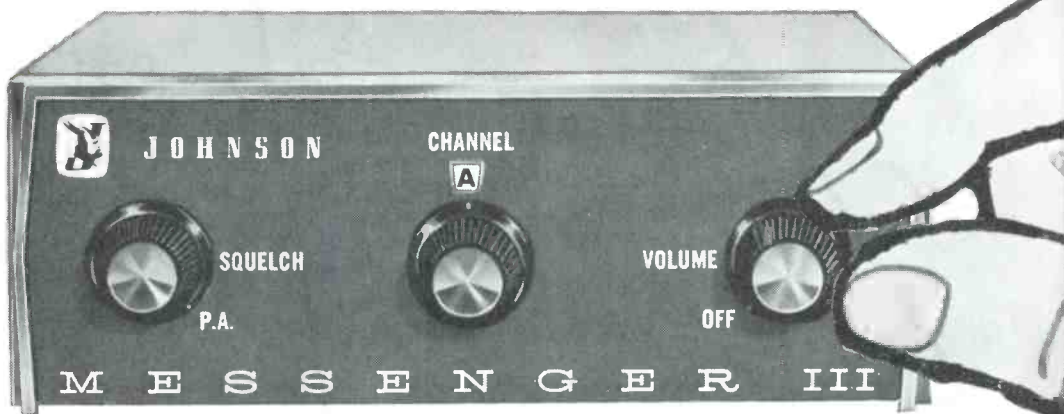
- **MOBILE, BASE OR PORTABLE** — The same basic transceiver with accessories can be used in three different types of application.
- **P.A. SYSTEM**—Switch from front panel. 3 watts available through rear jack to external speaker or horn for Public Address use.
- **DOUBLE CONVERSION RECEIVER** — Sensitivity and selectivity is tops—double conversion with high 1st I.F. (4.3 mcs.) provides excellent spurious and image rejection.
- **"SET-AND-FORGET" VOLUME AND SQUELCH CONTROLS**—Eliminate the need for constant re-adjustment . . . work "close-in" or at extended range with your initial settings.
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- **SEALED RELAY** — "Space-Age" circuitry features a computer-quality, sealed, plug-in change-over relay . . . avoids problems caused by dust, grit, etc.
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### PORTABLE FIELD PACK WITH THE PUNCH OF A MOBILE!

Powered by self-contained, rechargeable nickel-cadmium batteries. Simply slide your "Messenger III" into rugged high-impact plastic carrying case—mate battery connections—attach antenna—and you've got a full 5-watt portable pack set that is ideal for any type of field application. Accepts two batteries—has built-in recharger! Meter function and rate-of-charge selected by separate front panel switches. Built-in meter indicates battery condition. Accessory cables furnished to permit operating from 12 volt vehicle battery through the cigarette lighter receptacle, or from any 117 volt AC outlet.

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The 11 Channel "Messenger III" will change every idea you ever had about what a Citizens Band unit should offer! Tiny, all transistor, it's really quiet, really hot! Interchangeable for base or mobile—use it as a full 5-watt battery powered portable pack set or a 3-watt PA system. Other transistor-type units equalled but didn't exceed the performance of tube-type units—but the "Messenger III", with an aero-space transistor developed for the

"Relay" communications satellite, delivers more power output with maximum legal input! Double conversion receiver with high 1st IF provides excellent spurious and image rejection. Set-and-forget "Volume" and "Squelch" controls make it possible for the first time to work "close-in" or at extended range with your initial settings. Furnished with dynamic microphone with "full-grip" push-to-talk bar. Full line of accessories available for selective calling, portable field pack, or public address use!

**CAT. NO. 242-150 . . . . . "MESSENGER III" . . . . . \$189.95 NET**

See the "Messenger III" at your distributor's or write for full color literature.



**E. F. JOHNSON COMPANY**

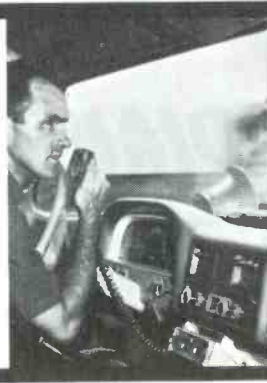
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**BASE STATION USE**

"Messenger III" mounts to completely self-contained 117 Volt AC power supply as shown at left. Conversion takes just a few short moments—then insert power cord into any convenient wall outlet—connect your base station antenna, and you're ready to go!

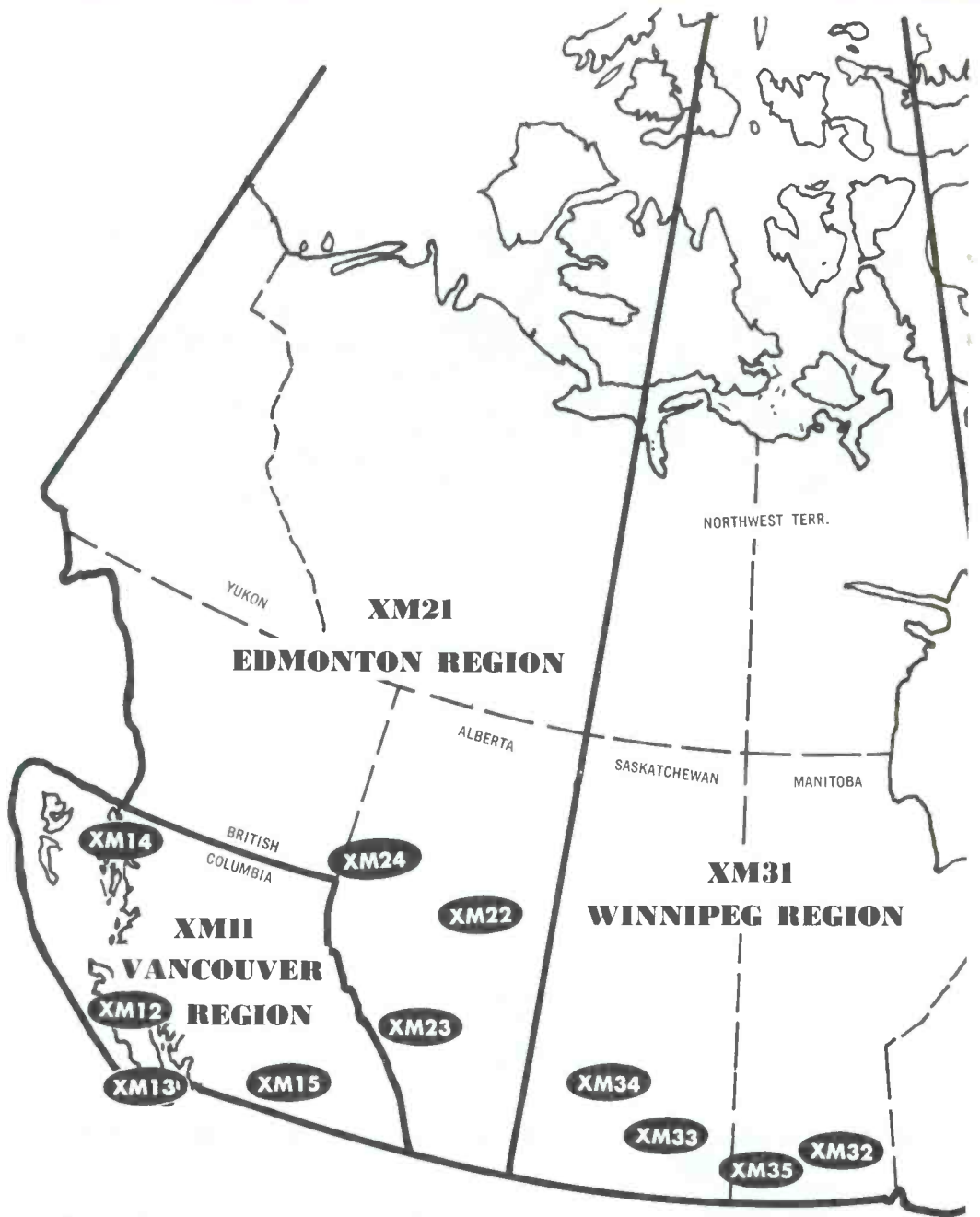
Cat. No. 250-823  
117 Volt AC Power Supply  
**\$29.95 NET**



**PUBLIC ADDRESS USE**

Simply switch to "PA" position on front panel—use your microphone and accessory, weatherproof external speaker for a full 3-watt Public Address System. Retains full capability for receiving in-coming radio calls! Ideal for any out-of-doors application!

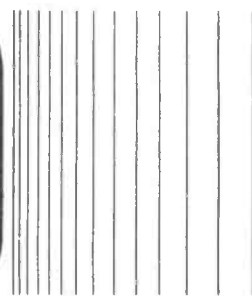
Cat. No. 250-822  
External Speaker for Public Address Use.



# CANADIAN GRS CALL AREA MAP

District offices are shown in the black ovals.

# S9

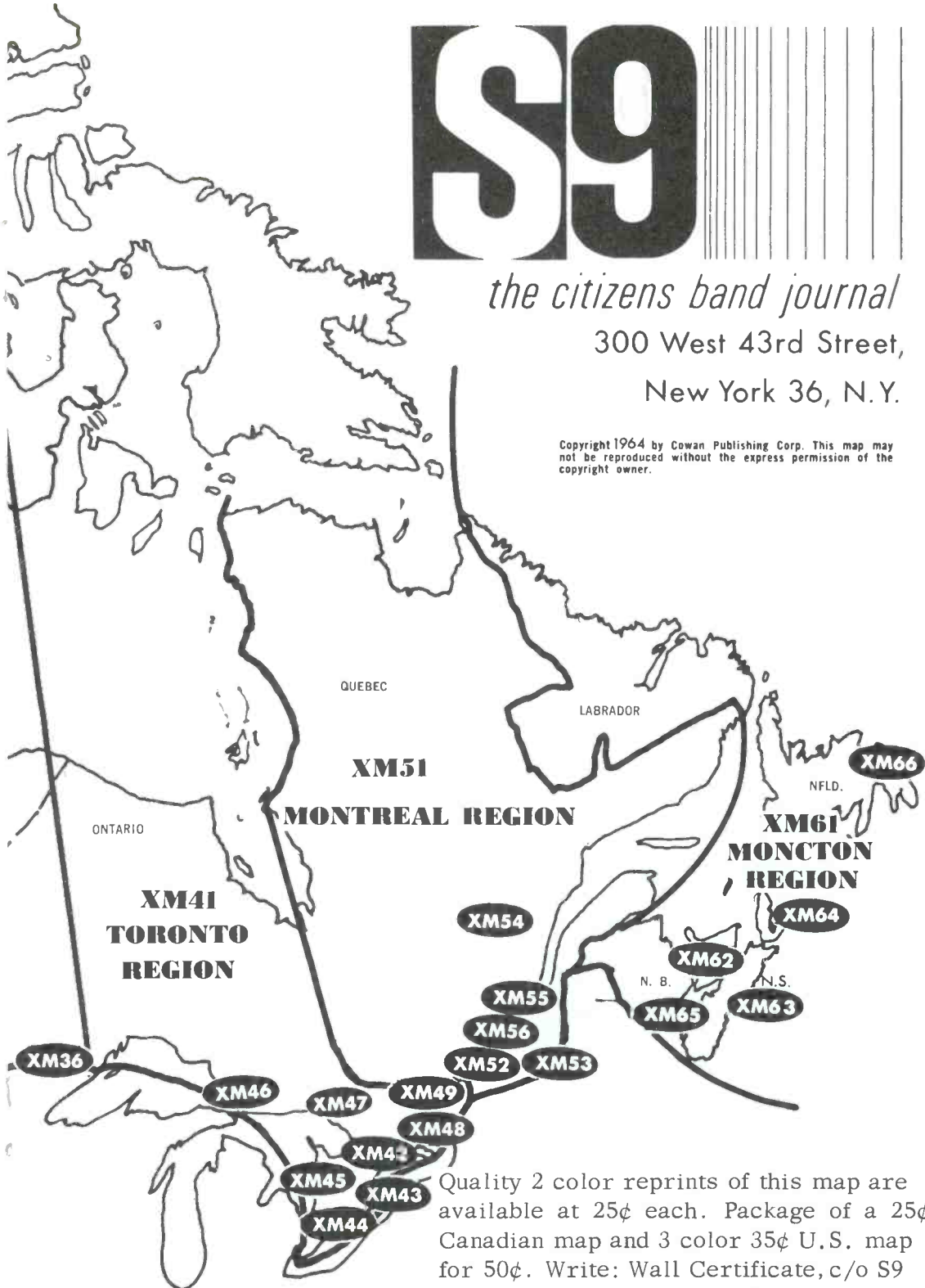


*the citizens band journal*

300 West 43rd Street,

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# ON THE COUNTERS

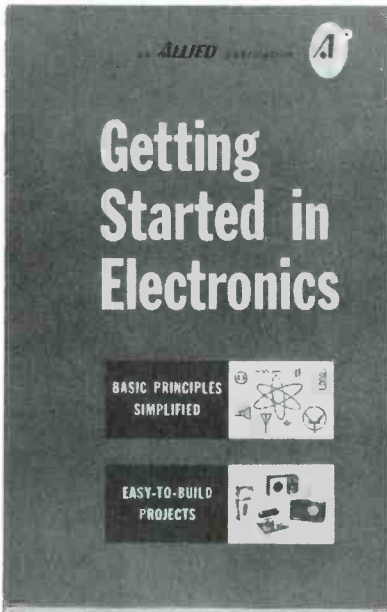
Lots of goodies this month, so let's dig right in.

Electro Tone Laboratories, 128-138 South Paulina St., Chicago 12, Ill., announces their new "SS-2 Super Trigniter" transistorized ignition system with *fool proof* installation instructions. The "firsts" of this unit are several, including a 3 terminal ballast resistor to provide 35% more voltage during the starting cycle, a finned coil which triples the cooling surface for cooler running, a dual installation switch which enables the user to retain the

car's originally existing ignition system as an emergency spare, and also the "first" of an ultra-simple step-by-step instruction chart which covers vehicles as old as 1956. The SS-2 also contains an anti-theft device.

"GETTING STARTED IN ELECTRONICS" is a new book from the rapidly growing library of Allied Radio (Dept. S9, 100 North Western Avenue, Chicago 80, Ill.). This 50¢ book contains 112 pages and tells, in very simple language, electron theory, resistance, magnetism, capacitance, inductance, reactance, stages of a radio and the function of various tubes, semiconductors and other components. You can learn about AM, FM, TV, VHF, UHF, kit building, Ham Radio, and (of course) CB. The book tells you how to build a crystal set, a hand held transceiver, a 1 tube set, a transistor set, an intercom, a burglar alarm, a light detector, a code practice oscillator, and a 5 tube superhet. The book comes postpaid—it's well worth having.

Control Radio Labs, 123 Avenue U, Brooklyn 23, N. Y., has something which will interest you. It's their *Hi-Gainer* speech clipper, compressor, amplifier which includes the following features (among others): no internal connections to your rig, good for base or mobile, use it with any high impedance mike, the unit may be switched in and out of the audio circuit easily, self powered by a 9 volt battery. The unit is fully guaranteed and its use does not violate any FCC regulations. Ready to use (and chrome plated) it costs a



paltry \$29.95. They'll send you some interesting literature on the unit if you tell them that S9 sent you—and they're looking for dealers.



You Part 15'ers are constantly in the thoughts of the folks at Lafayette Radio (Dept. S9A4, P.O. Box 10, Syosset, L. I., N. Y.) because they have a neat little 10 transistor powerhouse rig just out for you. This new unit, the model HA-60L features a separate mike and speaker for better modula-

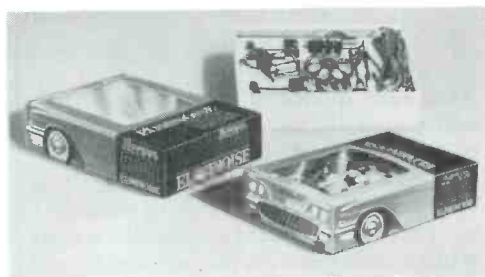


Special club subscription rates for S9

tion and increased range. Receiver sensitivity is better than 1 uv for 10 db signal-to-noise. The set operates from 8 miniature penlight batteries, although a 117 VAC power supply is optional for additional cost. Price of the HA-60L is \$33.95 (a pair goes for \$62.50). The 117 VAC power supply is \$7.45.

A new mike, the T-46, is here this month from Euphonics Corp., Guaynabo, Puerto Rico. The T-46 is housed in an exceptionally handsome case which is both impact and temperature resistant. The frequency response is 50 to 8000 cps, output -54 DB, polar pattern is essentially omnidirectional (becoming directional above 3 kc/s). It lists for \$6.50.

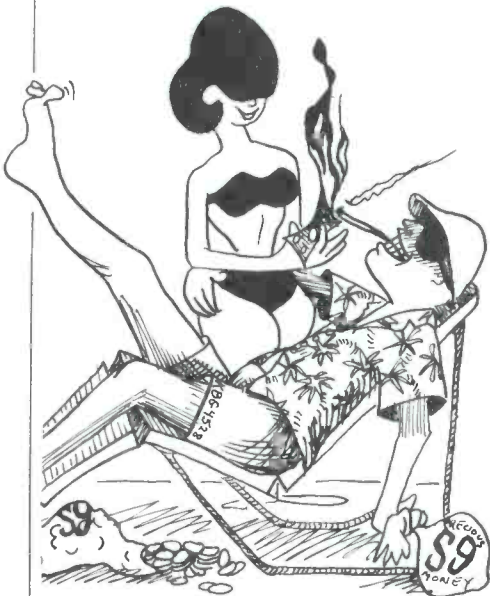
The opening of *CB Supply* in Reno, Nevada, is of interest to all CB dealers and licensees. *CB Supply* is ready (willing and able) to furnish CB clubs, dealers and individuals with a full line of CB gear including Johnson tunables, Tele-Mates, Webster antennas and crystals for all transceivers. They also stock Tiny Tiger (the 12 pound portable electric generator), Toroid-Tenna, Mosley antennas, Antenna Specialists products, Stingers, and all types of coaxial connectors. Mr. A. J. Farmer (boss at *CB Supply*) formerly operated CLOUD 9 in Azusa, California, has now been able to bring CB'ers faster service and a larger ready inventory from his new Reno 10-20. The address at *CB Supply* is 299 Washington (P.O. Box 8071), Reno. Land line is FA-9 9519—but you can raise the shop on channel 9.



All mobile CB'ers will thank E. F. Johnson for coming out with their new universal-type auto ignition shielding kit, the ELIMINOISE. The ELIMINOISE combats both conducted and radiated interference and was developed in a combined research project conducted by Johnson and the Hallett Manufacturing Company of Los Angeles, Calif. The kit now offers, at a popular price, techniques and

# WE REGRET TO ANNOUNCE

that this is your last chance in January, 1964, to subscribe to S9 for only \$5 per year.



Yes, next month it will be February and you will have missed your chance to get your subscription in before January 31st—and after that date it will be February. It's much better to subscribe in January. February usually means winter vacation time for our sneaky old Circulation Manager (KBG4528) when he runs away to Miami with the company funds. Yes, best bet is to get that Subscription to S9 in the mail today before it's too late. Use the convenient postage-free envelope hidden in the back of this issue. Hurry, 4528 has been walking around all week with sunglasses—it may already be too late!

materials used for many years only in "customized" systems used by airlines, police and fire departments, taxi companies, highway patrols, etc. It may be easily used by 6 or 8's, V or in-line engines. Installation is with readily available household tools and once installed, the kit may be removed and placed in another vehicle. Prices are \$29.95 (6 cylinder engines) and \$38.50 (for 8 cylinder cars). A special alternator-generator/regulator kit is available for use on especially noisy vehicles.



Sonar Radio Corp., 73 Wortman Avenue, Brooklyn 7, N. Y., offers a new linear amplifier, the BR-20. This is a unit which was designed for business radio service use between 25 and 50 mc/s, running 150 watts input when driven with 1 to 10 watts. The unit sells for \$159.50.

International Crystal Mfg. Co., Inc., of 18 North Lee, Oklahoma City, Okla., has a new addition to their exciting EXEC line of transceivers. This time it's the EXECUTIVE 750, a 23 channel (transmit and receive) unit which is all-new, all different, designed and engineered for mobile use, *remotely controlled and operated*, and operates from 6/12 VDC or 115 VAC. The remote control head turns the set on or off, adjusts the volume and squelch, selects any of the 23 channels. The EXECUTIVE 750 is shipped with all crystals for 23 channel operation, an external 4" speaker and cabinet, mounting rack for trunk, PTT mike, and cables. Cost is \$229.50—and that's a lot less than we would have guessed, especially since it comes with all the crystals and is the first set actually designed with a remote control head. Other new International sets include EXECUTIVE's 35, 500G, and 1000G. When International does anything it does it BIG and these new EXEC units hold a lot of surprises and exciting new

*Continued on page 34*



add more  
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more "solid"  
10-4's

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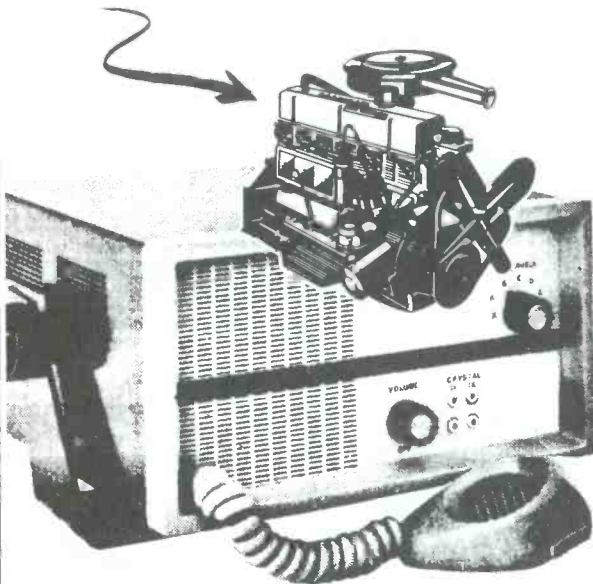
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new horizons  
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base station  
signal!*

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that gives you at least **10%**

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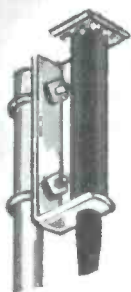
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*new "stati-lite"  
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Drastically reduces receiver noise by continuous dissipation of static discharge. Exclusive orbital design — no pointed ends to create sparking.

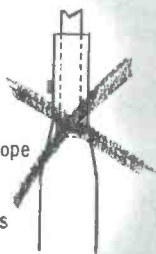


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Super-heavy coil permanently encased in water-proof, rugged plastic housing. Forward power measurement: full five watts. VSWR: a fabulous 1.17 — best by far! Heavier mounting hardware takes masts up to 1½"!

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Over twice the contact area at telescope joints (no swaging!) — far stronger. Heavier-gauge seamless tubing than any other brand. Screws on both sides for firm electrical connection.



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INTO A **SUPER MAGNUM**  
IN 15 MINUTES —  
GET 3.75 TRUE DB. GAIN!



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contains four 108" radi-  
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Another new rig from the great southwest comes to us from Hallmark Instruments, 6612 Denton Drive, Dallas, Texas. The Hallmark 3000 is a single channel set which is suitable for business band use anywhere between 25 to 50 mc/s. Running 30 watts into the final, the 3000 features an improved noise limiter and squelch circuit, a transistorized power supply, Class B transistorized modulator, and is available in 115 VAC or 12 VDC models.

### ARE YOU MOVING?

If you expect to move and IF you know your new address now, and IF you don't want to miss any issue of S9 here are three things you can do right now!

1. Tear your name and address label off the wrapper of this issue and paste it on a post card.
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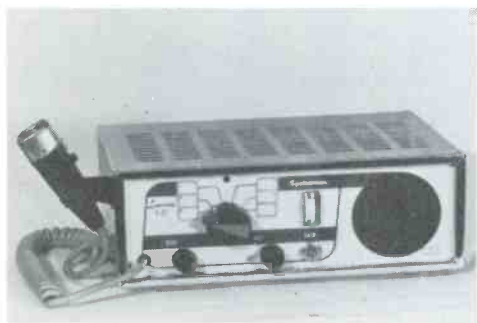
Mark Products, Division of Dynascan Corp., 1801 W. Belle Plaine Ave., Chicago, Ill. 60613, has a new *single* sideband CB transceiver out known as the SSB-27 "Side-winder." It splits the existing CB channels up with its sidebanding and gives you the equivalent of 10 channels (it allows you to select upper or lower sideband on 5 channels). The use of SSB eliminates heterodynes normally encountered in AM, and it also eliminates adjacent channel interference, and SSB also offers approximately 10 times gain in systems effectiveness, improves signal-to-noise ratio, increases range and coverage. Operation of the unit is no more involved than any standard AM CB rig. The set offers 10 watts peak envelope power, with a universal power supply being self contained. CB net price is \$299.50.



A new all-band RF preamp is now available from Ameco Equipment Corp., 178 Hericks Rd., Mineola, L. I., N. Y. Known as the model PCL, the unit improves reception on all frequencies between 1.7 mc/s and 54 mc/s. Two Nuvistors in cascode provide noise figures of 1.5 to 3.4 DB with an overall gain in excess of 20 DB. Power may be ob-

tained directly from your mobile or base CB rig. Price of the unit is \$24.95, wired and tested.

Last October we ran a directory of several hundred QSL card printers. Since that list was published the status of several of the listings has changed and, if you have a pencil handy, you should remove the following printers: CB Specialties of Vienna, W. Va.; Pan American Airways of Miami, Fla.; Pearce-Simpson, Inc., of Miami, Fla.; Ed Lynch of Poughkeepsie, N. Y. In addition, J. A. Martin, of Woodstock, Ont., Canada, handles print jobs for *Canadians only*, and does not send samples or orders outside Canada.



Speaking of Canada, here is an interesting rig called the C-27 "SPOKESMAN." The set is marketed by Lindsay Electronics, 50 Mary St. West, Lindsay, Ontario, Canada. The C-27 is a 6 channel job with push-to-talk, squelch, and an S-meter. The unit is manufactured in Canada and further specs, details, availability data, and price info is available if you drop a note to W. Fenton, XM41-796, at the company. They also market a dandy line of CB antennas.

We are still being bombarded with requests for information on the availability of CB call area maps. Here's the status: 1964 maps of American call areas are available on heavy paper, printed in red, yellow and black. These are 35¢ each, postpaid. Canadian 1964 call area maps are available in 2 colors (red and yellow), lithographed and nifty for only 25¢ each, postpaid. Both maps are available as a combination for 50¢. Order from: Wall Certificate, S9 Magazine,

*Continued on page 59*

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## Citizen Band Class "D" Crystals

**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 15¢ per crystal for .093 pins).

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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 15¢ 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:

<b>FT-243 holders</b>	<b>MC-7 holders</b>
Pin spacing 1/2"	Pin spacing 3/4"
Pin diameter .093	Pin diameter .125
<b>CRIA/AR holders</b>	<b>FT-171 holders</b>
Pin spacing 1/2"	Pin spacing 3/4"
Pin diameter .125	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  
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See Page 44 for Credits.


ELEUTHERA, BAHAMAS  
Monitor 11

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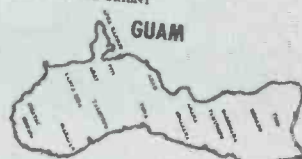
HEARD YOUR STATION ON CHANNEL 7 DATE OUT 1/1  
MONITOR ALL 23 OUT ON 7  
WOULD LIKE A CARD FROM YOU  
USING RCA MARK VII WHIP ANT.

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SOUTH AMERICA

## KJC 0116

TO RADIO  
DATE

TIME

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RIG  
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MOBILE

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XM11-506

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MOBILE

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At ..... Channel ..... Ant.....

XMITR ..... RCVR.....

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# TWINNS?



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### THE POLY-COMM "PRO"

for the professional radio operator, a pacesetter 24 channel, crystal controlled transmitter and tunable receiver with "razor-sharp" selectivity.  $0.1\mu\text{v}$  (for 6 db S/N) sensitivity, precision controls and versatility for maximum performance and power output.

### THE POLY-COMM N-8

New 8-channel version of the Poly-Comm "N", still the acknowledged leader of the industry. Gives more performance per dollar than any other CB transceiver.

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## The Young CB'er . . .

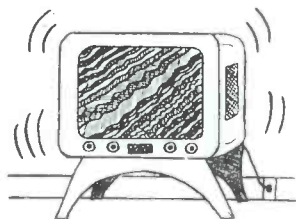
as seen by . . .



his parents

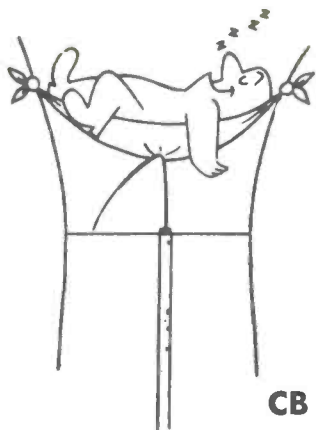


Ham operators



his neighbors





# ANTENNAS

by **ED NOLL, KCC2618**  
 BOX 23  
 CHALFONT, PA.

## CB REMOTE RF METER

The remote output meter is popular in broadcasting. It is positioned somewhere in the radiation field of the antenna. The meter consists of a pick-up loop or antenna and an RF detector which rectifies a component of dc current corresponding to the strength of the RF signal. The dc component is then transferred over the necessary length of cable to an indicating meter positioned near to the operating position. Refer to Fig. 1.

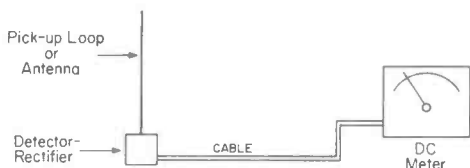


Fig. 1. Functional Plan of a Remote RF Indicator.

Although the indicating meter can be calibrated, it is usually used simply as a relative output meter. It provides indication that RF power is being radiated from the antenna system. A power output fault in the transmitter or antenna system will cause a drop in the reading.

Remote meters of this type are often used in radio amateur and commercial two-way radio stations. At the moment they are seldom used for CB operation despite their capability



Fig. 2.

as a good monitor of station operation.

A low-cost simple remote RF meter is shown in Fig. 2. The remote part of the instrument consists of a suitable coaxial connector, radio-frequency choke, RF filter capacitor, and high-frequency crystal diode as per the schematic diagram of Fig. 3.

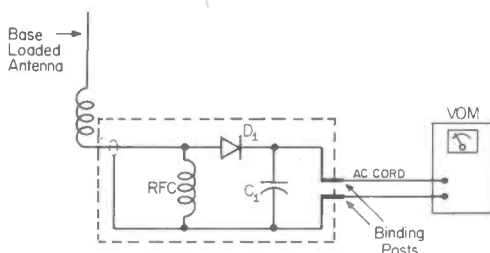


Fig. 3. Schematic of Remote RF Indicator.

### PARTS LIST

**Coaxial connector**  
**RFC Ohmmite Z50**  
**C1 240 MMF Mica capacitor**  
**D1 IN34A Crystal Diode**  
**Two Binding Posts**  
**Minibox**  
**Length of AC Cord**  
**VOM**  
**Antenna (Lafayette HE-19)**

Two binding posts are provided for attaching the two-conductor line that connects to the indicating meter at the operating position. Ordinary AC cord (outdoor type for a permanent installation) or twin-lead TV transmission line can be used. The indicating meter can be your VOM set to one of its sensitive current scales or a 0-1 milliammeter. In the latter case, a potentiometer can be used to control the sensitivity of the instrument, preventing the 0-1 milliammeter from reading off scale with strong signal pick-up, Fig. 4. When a VOM is used the potentiometer

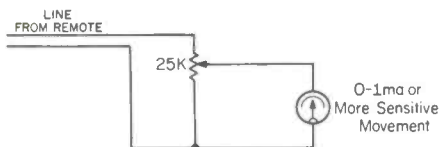


Fig. 4.

meter is not required because of the various current scales.

### CONSTRUCTION

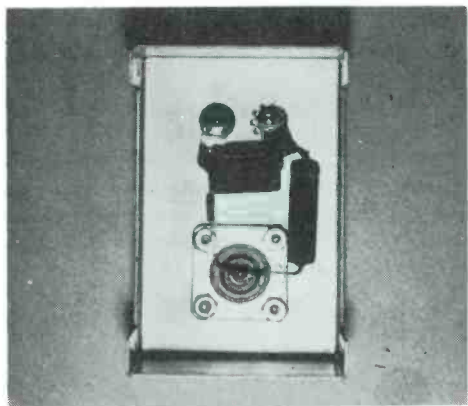


Fig. 5.

The entire unit is built into a small Mini-box ( $3\frac{1}{4} \times 2\frac{1}{8} \times 1\frac{5}{8}$ ) as shown in Fig. 5. The very simple wiring is obvious in the photograph. The RF choke is an Ohmmite Z50 which has an operating range between 35-110 megacycles. With this choke coil in the circuit, the meter displays a high sensitivity on the citizens band, 10, 6 and 2 meters. Adequate performance was obtained on each of the amateur bands down to 160 meters. Sensitivity can be improved by using a choke coil designed for lower frequency operation if desired. Likewise for operation on the 2 meter and higher frequency amateur bands Ohmmite Z-144 and Z235 chokes can be used. If desired, good results can be obtained by connecting two or three chokes in series.

### ANTENNA

For most applications a base-loaded telescoping antenna was used. The one shown is designed for citizens band operation. It can be resonated to higher frequencies simply by collapsing the antenna. Good 10 and 6 meter pick-up was obtained.

Since a standard coaxial receptacle is used, almost any type of remote antenna can be

used. One of the standard radio amateur all-band quarter-wave verticals can serve as an excellent pick-up unit. This will provide all-band operation and can be positioned a considerable distance from the regular transmitting antenna of the usual radio amateur station employing a transmitter of 50 watts and higher.

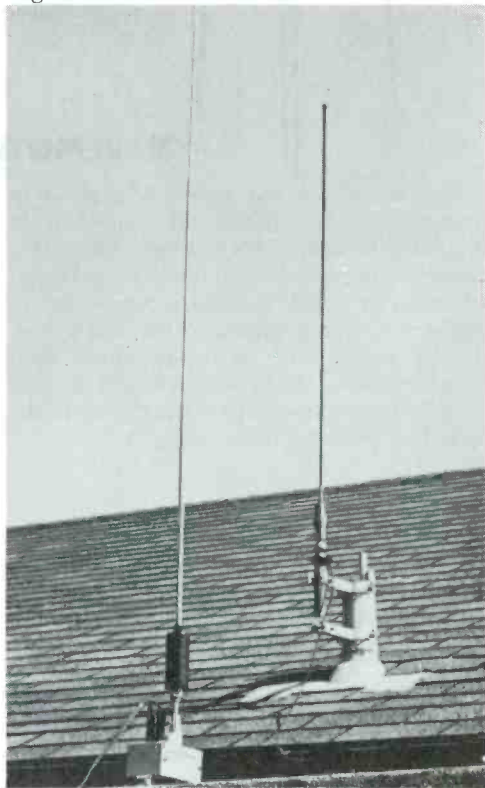


Fig. 6.

Fig. 6 shows the antenna being used with ham and CB antenna installations. The actual separation between the pick-up antenna and the CB antenna is more than 10 feet. Nevertheless at the operating position, a current reading of near 1 milliamperes is obtained. Unit at same spot responded to radiation from 80 meter dipole and 40 meter Windom antennas.

### INSTRUMENT USES

First of all it is an excellent monitoring instrument. If a permanent weather-proofed installation is made, it will give you an immediate indication of whether you are on the air and whether or not the power output has changed because of a developing fault

*Continued on page 59*

# PART 15

# KORNER

by DEAN DETTON, NORTHERN 17

% S9 MAGAZINE  
300 WEST 43 ST.  
NEW YORK 36, N. Y.

This month's mailbag has some informative items, especially a nice letter from Johnny Pearson, ATLANTIC 820, of 1204 Ashwood Avenue, Nashville, Tenn. 37212. Johnny uses a Midland Triumph 10 unit and runs both CW and fone on Channel A. He is looking for Part 15 skeds, and wants to swap cards with other P-15'ers. He's a member of the Nashville Hundred Milliwatters Club. You can land line him at 297-3833 to set up a sked.

John C. Marty, CENTRAL 807 (also W9BTZ and 18QA0401), of Box 205, Kendallville, Ind. 46755, tells us that the P-15 gang in his neck of the woods runs quite a few rigs on Channel B. Standard rigs out there are 2 tube converters ahead of broadcast receivers with BFO's (for CW). Transmitters are centered around 2N348 transistors. John suggests that CW stations use the "Q codes."

"How do you convert a P-15 rig for CW" is the question asked by Bob Malone, ATLANTIC 787, Kimberly P.O., Kimberly, W. Va. Well, Bob, S9 ran an article on just this conversion back in December, 1962. Copies of this issue are still available for \$1 each from our Circulation Department. Bob uses a Knight C-100 rig and says that he hears a lot of P-15 CW, and now wants to work some of these stations. He'll swap cards.

Ed Nassarre, PACIFIC 392, 131 14th Avenue, San Francisco, Calif., says that many P-15'ers in his area want to know a remote antenna with coaxial cable is legal for P-15. Sure it is, but it isn't nearly as efficient as having the transmitter located right at the antenna—line losses, y'know!

Bruce Johnson, 27891 Lupine Road, Los Altos Hills, Calif., says that last summer he



took a trip to a resort near Fresno, Calif. With him went several other P-15'ers and their walkie talkies. While on the air, a man from the "FCC Squadron" (what's that?) tracked them down and told them that "PACIFIC" callsigns were illegal on a walkie talkie because they were used exclusively by the Army. Bruce asks, "What's the story here?" It's news to us, Bruce. If the Army does use such callsigns, they aren't registered with the FCC, and the FCC has no objections to our registering P-15 units with such station identifiers.

A new P-15 club has been formed, The Walkie Talkie Club of Arlington Heights, so says club Director, Laurel C. Talbot, 1208 N. Drury Lane, Arlington Heights, Ill. The group has been around since September 29th when they affiliated with CD nets to keep communications with a local hospital for Polio Vaccine dispensing. Laurel adds that radio control licensees are being too harsh on us P-15'ers in view of the fact that interference is almost non-existent between the two services.

P-15 is also in use at a sky diving club, so says Dave Williams, PACIFIC 107 (also

K7HMP), Headquarters 389th Strategic Missile Wing (SAC), Warren Air Force Base, Wyoming. Dave tells us that many of the fellows at his 10-20 use Knight C-100 units for mountain climbing too.

Wayman Ramsey, CENTRAL 857, 201 S. Niles St., Paw Paw, Mich., really is set up like the King of P-15! He has that wild EXECUTIVE 1500 P-15 station at his shack (his local EXEC dealer is CENTRAL 1826), with the antenna and transmitter mounted 70 feet above ground. He stands by on Channel A and will be happy to work a sked with any of the S9 P-15'ers.

Another "P-15 king" with an EXECUTIVE 1500 P-15 station is R. Neil Whitney, % TV Station WTTW, Chicago, Ill. Neil says that he took a careful look through the FCC's CB rules and decided that he was a hobbyist. The next logical (and legal) step was to get rid of his Class D 5 watt CB gear in favor of the EXECUTIVE 1500. He operates all P-15 channels, plus 7 and 11. He feels that P-15 is the obvious answer to the problems which CB'ers now face.

Great words of praise are received for the Lafayette HE-100 walkie talkie used by Bob

## AT LAST: A PART 15 HANDBOOK & CALLBOOK

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Huggins, ATLANTIC 707, 129 Allison Rd., Brevard, N. C. He runs his on channels 3, 7, 11 and wants skeds. He says he gets up on a mountain top and gets several miles range.

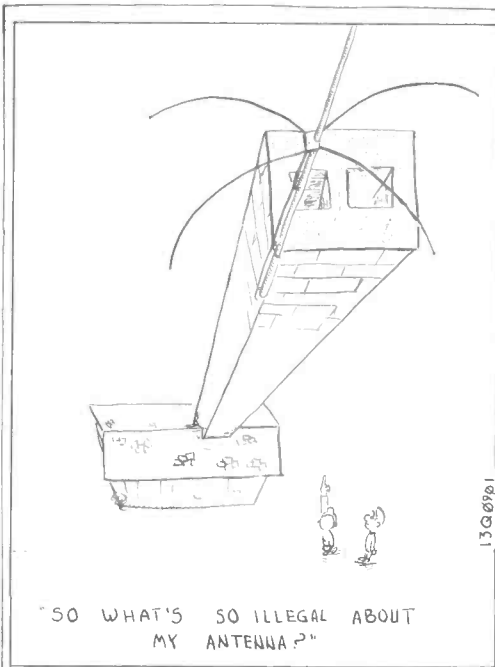
Hey you guys out in Grand Rapids, Mich., here's a P-15'er who wants to start up a P-15 club. He is Dave Thompson, CENTRAL 919, 1005 Westmoor Dr. N.W., Grand Rapids, Mich. He's to be found on Channel 10 after 4 P.M. EST.

Here's a clever name for P-15'ers, it was thought up by Mr. Gene Dodge, CENTRAL 830, R. #2, Box 310, Watervliet, Mich. Gene calls 100 mw. operators "Micro-Hams." He's on channels 6 and 7 with a Heath GW-21, powered by a battery eliminator.

Further information on exactly what P-15 is, and how it is used is desired by KBG1510; SOUTHERN 270; Tex Leggett; KEG4724; Matt Willprecht; James Bellomo; KBC3316, and a whole satchel-full of others. Full details of P-15 "legal hobby CB'ing" can be found in the new PART 15 CALLBOOK AND HANDBOOK. This book also lists the calls of the P-15 stations, together with the names and locations of the operators and their most used channels. The book is available to registered P-15'ers for only 50¢, and to non-

P-15'ers for \$1. Order it from Book Division, Cowan Publishing, 300 West 43rd St., New York, N. Y. 10036.

**S9**



## TR-27E



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23

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# CARD SWAPPERS UNLIMITED

We received word from a new club known as *The New England Card Swappers* of P.O. Box 635, Meriden, Conn. 06453. Russ Warner of the club tells us that they're interested in hearing from those S9 swappers who need several difficult states or countries to qualify for awards. If you fit into this category, drop Russ a note and tell him your problems.

A letter from John R. Dillard, KDB3123, 202 E. Commercial, Monterey, Tenn., tells us that he has a few duplicate cards from a British short wave monitor with the identification "G-8701." He says that any S9'ers who want one of same should contact him. He's got 20 of them and they're on a first-come-first-served basis.

Vince Melendy, KBC0209, Spring Street, Bedford, Mass., is interested in receiving cards from any country or call area which bear the numbers "0209" after the prefix.

Alvin P. Arthur, KBC8446, is now in the Veterans Hospital and will be unable to answer swaps for a while. Hope to have you back with us soon, and in the pink, Al.

Several readers have asked why we don't run a "best QSL of the month" type contest. How do you folks feel about such a venture?



Steve Herberth, KFC3527, 36 Raymond Drive, Reno, Nev., sends along a nifty photo of the old CB shack, showing about 133 of

his more than 400 cards. He gets a steady flow of about 5 a day in the mail and that's from his listing *last July!* In one week he says he received 107 cards! "S9 is the world's GREATEST," so sayeth friend Steve. If any of our other swappers have photos of their cards we'll be happy to consider them for publication here.

"HELP!" says Mrs. Terry Whittle, KEE-1423, 1306 East 27th St., Bryan, Texas, 77801. Terry needs cards from North Dakota, South Dakota, Montana and Wyoming for an S9 award. Can any of youse guys in those states help her with a card?

On 36 and 37 are displayed some snazzy foreign cards sent in by S9 readers. The credits are as follows: VGH2929 supplied by Jeff Weiss, KBI3023; YY5-1084 from Art and Joe Weiss, KBI4136; CB041-042 from Dan Guthrie, KDB1435 and Elwin Beam, 5Q-2178; CB017-049 from Dan Guthrie, KDB-1435; 21W0170 from Dan Guthrie, KDB-1435 (is there no end to Dan's cards?) and Stan Koch, KHI3697. The remainder of the cards shown were sent directly to the S9 offices by the foreign CB'ers whose cards are shown. If *you* have a card which isn't shown here and it's from a foreign CB'er, why not send it to us for publication? We'll get it back in the mail to you within a day or so after it is received and give you credit here. We want only cards from actual CB'ers to show, no foreign Ham operators or foreign short wave monitors.

Interesting cards claimed by recent Swapper's Award contestants include: KII0036, Santurce, P. R.; KII0324, Bayamon, P. R.; 22Q0016, Santurce, P. R.; 21W0225, Honolulu, Hawaii; KIF0010, Oahu, Hawaii; KJB-0027, Ketchikan, Alaska; 21W0326, Honolulu, Hawaii; 21Q0083, Kialua-Kona, Hawaii; KIF0084, Honolulu, Hawaii; KJB0201, Kenai, Alaska; KJB0022, Anchorage, Alaska; YY-1-ET79, Maracaibo, Venezuela; KIF-0181, Kaneohe, Hawaii; 23W0208, Homer, Alaska; 23Q0074, Mt. Edgecombe, Alaska; 21W0161, Kanikai, Hawaii; 22W0101, Rio

Piedras, P. R.; 22Q0035-3, San Juan, P. R.; KJC0116, Juneau, Alaska; KII0354, St. Thomas, V. I.; KJC0165, Palmer, Alaska; KIF0010, Waimanalo, Hawaii; and KJC-0165, Palmer, Alaska. You fellows who have these cards, or others like them, might want to send them in to us to run in S9.

Here's a special treat this month. If you send a QSL to KBA1337 (see this month's listing), you'll not only get a QSL from him (and New Hampshire is a hard-to-get state) but you will receive an interesting surprise packet in the mail a few days later. We're not saying what it is, you will have to find out for yourself. If you don't have a regular QSL card, a post card will do.

We would like you to do us a favor this month. W9IOP is a Ham who would be very interested in receiving a QSL card from each of the S9 swapper gang. Please drop him a card as soon as you get a chance, his address is on our list this month, right before the Canadian listing near the end. Don't forget to mention on your card that you're an S9 reader. There's a reason, and we sure would appreciate your cooperation in sending him your card.

### Here are the Swapper Award winners for this go-round:

- SACA #14 Bill Scamell, KFC2921, Vallejo, Calif.  
 #15 Leslie Doss, KGH0156, Wentzville, Mo.  
 #16 Ralph Sorensen, 16Q1960, Bay City, Wisc.  
 #17 Stanley Koch, KHJ3697, Caro, Mich.
- PX-25 #57 Paul Ray, KBC4118, Woonsocket, R. I.  
 #58 Bill Scamell, KFC2921, Vallejo, Calif.  
 #59 William Hurst, Jr., KOD5486, Talladega, Ala.  
 #60 George Radenheimer, KHH1363, Middletown, Ohio  
 #61 James Baney, KID1405, Renfrew, Pa.  
 #62 Joel Pall, KFA0959, Norwalk, Calif.  
 #63 Troy Kenemer, KDB4842, Rocky Face, Ga.  
 #64 Eugene Chance, KBG6124, Schenectady, N. Y.  
 #65 Eldon Schumaker, KHJ1886, Cincinnati, Ohio  
 #66 Bill Rosen, KHJ8546, Covington, Ky.  
 #67 Bill Calvert, KIC5720, Duncansville, Pa.  
 #68 Stanley Koch, KHJ3697, Caro, Mich.  
 #69 William Millar, KBG6110, Schenectady, N. Y.
- PX-50 #40 Paul Ray, KBC4118, Woonsocket, R. I.  
 #41 Bill Scamell, KFC2921, Vallejo, Calif.  
 #42 Tom Marvin, KCJ3489, Richmond, Va.  
 #43 George Radenheimer, KHH1363, Middletown, Ohio  
 #44 James Baney, KID1405, Renfrew, Pa.  
 #45 Bert Fondren, KEG3491, Plainview, Texas  
 #46 Joel Pall, KFA0959, Norwalk, Calif.  
 #47 Ed Barkowski, KID1299, Arnold, Pa.  
 #48 Ken Buckley, KCJ0116, Juneau, Alaska  
 #49 Troy Kenemer, KDB4842, Rocky Face, Ga.  
 #50 Fred Inns, 11Q2714, Newport Beach, Calif.  
 #51 Eugene Chance, KBG6124, Schenectady, N. Y.  
 #52 Eldon Schumaker, KHJ1886, Cincinnati, Ohio  
 #53 Bill Rosen, KHJ8546, Covington, Ky.  
 #54 Ralph Sorensen, 16Q1960, Bay City, Wisc.  
 #55 Stanley Koch, KHJ3697, Caro, Mich.  
 #56 Glen Davis, 18B2648, Chicago, Ill.  
 #57 B. Andre, KHC2581, Freeport, Ill.
- PX-75 #16 Paul Ray, KBC4118, Woonsocket, R. I.  
 #17 John Andresen, Fulton, Ill.  
 #18 Bill Howell, KDB0371, Aiken, S. C.  
 #19 Greg Smith, KFA0763, Glendale, Calif.  
 #20 George Radenheimer, KHH1363, Middletown, Ohio  
 #21 Eldon Schumaker, KHJ1886, Cincinnati, Ohio  
 #22 Ralph Sorensen, 16Q1960, Bay City, Wisc.  
 #23 Stanley Koch, KHJ3697, Caro, Mich.  
 #24 Terry Whittle, KEE1423, Bryan, Texas

- PX-100 # 8 John Dillard, Monterey, Tenn.  
 # 9 Leslie Doss, KGH0156, Wentzville, Mo.  
 #10 Eldon Schumaker, KHJ1886, Cincinnati, Ohio  
 SSC-1 #8 James Baney, KID1405, Renfrew, Pa.

You can probably qualify for one of our 11 awards—they range from real simple to “hard-to-get.” A free copy of the rules will be sent to anyone writing to “S9 Swapper’s Awards, S9 Magazine, 300 West 43rd Street, New York, N. Y. 10036.” Please enclose a self-addressed and stamped envelope for same day service.

If you want to be listed in the March issue as a card swapper, send a QSL (no letters, please) to “Cardswap, S9 Magazine, 300 West 43rd Street, New York, N. Y. 10036.” Get them here not later than January 12th. Here are this month's swapper hopefuls:

- 1W0892 Ralph Campbell, 16 Mora St., Dorchester, Mass.  
 1W1619 Howard Gokey, 315 Riverside Ave., Torrington, Conn.  
 1W2963 Arthur Van Wart, 11 Perkins, Arlington, Mass.  
 1W7223 Gerry Lecours, 34 Bridge, Monson, Mass.  
 2A4918 Richard Aiken, Box 282 RD 4, Troy, N. Y.  
 2A5504 Ellis Daigle, 882 Oregon Ave., Schenectady, N. Y.  
 2Q0602 Arthur Hamm, Church St., Philmont, N. Y.  
 2Q3113 Lou Fazekas, 161-30 Jewel Ave., Flushing, N. Y.  
 2Q4010 Val Auerbach, 646 South St., Newark, N. J.  
 2Q4574 Bob Schappert, Wampus Ave., Armonk, N. Y.  
 2Q6776 Bernie Pinkard, 61 Norwood Ave., Terryville, N. Y.  
 2Q7376 Mickey Auerbach, 646 So. 20th St., Newark, N. J.  
 2W4586 John Krejc, 60 Division, Garfield, N. J.  
 2W9041 Frank Sommer, 144 Elm St., Dover, N. J.  
 3W2725 Fred Orth, 806 Flexer Ct., Allentown, Pa.  
 3W3297 John Baum, 1524 Valley Rd., Bethlehem, Pa.  
 5Q0577 Fred Harris, Rt. 3, Gate City, Va.  
 5Q1068 John Silberman, 30 Bay State Rd., Boston, Mass.  
 5Q2178 Elwyn Beam, Rt. 2, Vale, N. C.  
 5W4064 Gene Smith, Rt. 3, Gretna, Va.  
 6Q3697 Norman Looney, Rt. 4, Athens, Ala.  
 6Q5399 Carmack Elder, 112Scenic Hills, Winchester, Tenn.  
 6W2675 Bobby Moorehead, Rt. 2 Box 412, Shelby, N. C.  
 7W3820 Royce Barton, 1101 W. 2nd St., Ft. Pierce, Fla.  
 11Q0676 Chuck Holt, 426 Main St., El Segundo, Calif.  
 11Q0822 Gordon Fleming, 10999 Standard Ave., Lynwood, Calif.  
 11Q1313 G. Strainline, 1171 W. Miracle Mile, Tucson, Ariz.  
 12Q1300 Jon O'Brien, 6606 5th St., Rio Linda, Calif.  
 16Q1960 Ralph Sorensen, P.O. Box 131, Bay City, Wisc.  
 17Q1339 Jack Doggett, 8066 Dema Dr., Des Moines, Iowa  
 17Q3252 Kenny Bennett, Box 334, Rossville, Kans.  
 17W5449 Henry Hawkins, 501 W. 10th St., Kansas City, Mo.  
 18B0339 Betty Medecaris, 1506 N. Hoyt, Chillicothe, Ill.  
 18B2648 Glenn Davis, 6143 N. Rockwell, Chicago, Ill.  
 18B2698 Maxine Dick, P.O. Box 167, Kokomo, Ind.  
 18Q3647 Pierre LaBounty, 2007 Ridge Ave., Rockford, Ill.  
 18Q6133 Mel Baer, 6429 B. Glenwood Ave., Chicago, Ill.  
 19A5964 Stan Sickler, 2310 Commr, Hamtrac, Mich.  
 19Q0132 Charles Heilberg, 1404 7th St., Parkersburg, W. Va.  
 19Q4716 Dick Kline, 169 College St., Battle Creek, Mich.  
 19Q9941 Martin Ripper, 7617 Cavell, Garden City, Mich.  
 19W4980 Joan Webster, 10170 Hydr Park, Romulus, Mich.  
 19W8179 Paul Klein, 213 Franklin, Sidney, Ohio  
 20Q4229 Alfred Davis, 3 Noblestown Rd., Carnegie, Pa.  
 20Q5576 Ray Stackhouse, 107 E. Vanderbilt, Athens, Pa.  
 20W4231 Dick Catermork, 214 Central Park, Rochester, N. Y.  
 20W4590 Jud McNamara, Rd. 3, Towanda, Pa.  
 20W4826 B. A. Cohenour, 407 S. Div., Mt. Union, Pa.  
 20W5412 Clay Howell, Batley Ave., Buffalo, N. Y.  
 20W5494 Don Kalbflesh, Chambersburg, Pa.  
 24W0566 Dick Corbett, 1720 Merimack Dr., Adelphi, Md.  
 KBA1182 Mary Moulton, Box 281, York Harbor, Maine  
 KBA1337 Gar Greene Jr., 102 Union Ave., Laconia, N.H.  
 KBA4590 Russ Warner, P.O. Box 635, Meriden, Conn.  
 KBA4936 Steve Cornell, Box 121, Shannock, R. I.  
 KBA6387 Bob Sullivan, 41 State St., Monson, Mass.  
 KBA8472 William Harrington, Box 1391, Springfield, Mass.  
 KBB0765 Elmer Miller, Box 29, Fiskdale, Mass.  
 KBC0209 Vince Melendy, Spring St., Bedford, Mass.  
 KBC1659 Leo Beane, 18 Highland St., Wakefield, Mass.  
 KBC1977 A.Masciarelli, P.O. Box 297, Clinton, Mass.

Continued

KBC2451 Eric Ruderman, 21 Drury Lane, Wakefield, Mass.  
 KBC2565 Vincent Arakellian, 94 Gordon Ave., Providence, R.I.  
 KBC3048 John Blazys, Sperry Rd., Watertown, Conn.  
 KBC3484 Doug Ward, 155 Kubbe Rd., East Longmeadow, Mass.  
 KBC3626 Bob Riddle, 500 Washington, Middletown, Conn.  
 KBC3787 Bob Knowlton, 21 Dwight Court, New Britain, Conn.  
 KBC4149 Russ Stone, 23 Trickett Rd., Lynnfield, Mass.  
 KBC4617 Tony Carbone, 896 Warwick Ave., Warwick, R.I.  
 KBC4776 Frank Stratton, 9 Devon Ave., Norwalk Ct., Conn.  
 KBC6097 Gary Shamel, 61 Alcott St., Acton, Mass.  
 KBC8446 Alvin Arthur, P.O. Box 27, South Yemoutah, Mass.  
 KBG1385 Ed Gleier, 28 Harriet Pl., No. Massapequa, N.Y.  
 KBG2513 Howard Edwards, 2930 Rockaway Ave., Oceanside, N.Y.  
 KBG2879 Errol Rubells, 60 Boulevard, Greenlawn, N.Y.  
 KBG3659 Marvin Badler, 310 Windsor Place, Brooklyn, N.Y.  
 KBG4303 Tom Kneitel, 300 West 43rd St., New York, N.Y.  
 KBG4657 Fred Wutrich, 64 Camp St., Sidney, N.Y.  
 KBG4994 Allison Smith, Beacon Rd., Glenmont, N.Y.  
 KBG6110 Bill Miller, 492 Olean St., Schenectady, N.Y.  
 KBG7939 R. Angert, 105 Milligan Pl., S. Orange, N.J.  
 KBG8853 Joe Drexler, 207 Bremond St., Belleville, N.J.  
 KBG8895 Warren Krug, 181 N. Wyoming Ave., S. Orange, N.J.  
 KBI0001 Andy Demartini, 320 Grant Ave., Cresskill, N.J.  
 KBI0275 Hank Mancura, 64 Meadow Lane, Levittown, L.I., N.Y.  
 KBI1163 Ruth Wutrich, 64 Camp St., Sidney, N.Y.  
 KBI1701 Marvin Krauss, 1643 44 St., B'klyn, N.Y.  
 KBI3023 Jeff Weiss, 285 Walton Ave., S. Orange, N.J.  
 KBI3317 Morton Kugelman, 2084 E. 5th St., Brooklyn, N.Y.  
 KBI3589 Roy Overbaugh, 542 Vischer Ave., Schenectady, N.Y.  
 KBI4136 Art Weiss, 2026 East 16th St., Brooklyn, N.Y.  
 KBI4170 Lou Bonante, 270 Walton Ave., S. Orange, N.J.  
 KBI4431 Frank O'Keefe, 32 Masten Ave., Cohoes, N.Y.  
 KBI4445 Danny Whipper, 5522 Ave. 1, Brooklyn, N.Y.  
 KBI5302 Pat Overbaugh, 542 Vischer Ave., Schenectady, N.Y.  
 KBI6248 Andy Hines, 214 Maghew Dr., S. Orange, N.J.  
 KCC1541 Donald Berle, 228 California Rd., Quakertown, Pa.  
 KCC3224 Frank Lake, 1101 Laurel Rd., Beverly, N.J.  
 KCC4356 Walter Roberts, 7943 Michener Ave., Phila., Pa.  
 KCD0627 Barbara Woodring, 4100 Verona Dr., Wilm, Del.  
 KCD0851 Virginia Lake, 1101 Laurel Rd., Beverly, N.J.  
 KCD2003 Albert Bippus Sr., 237 Hazel, Lancaster, Pa.  
 KCD22419 Frank Dowler Jr., 5144 Whitehall Dr., Clifton Hgts., Pa.  
 KCD4080 Bob Moore, 42 Belmont Ave., Richardson Pk., Wilm, Del.  
 KCF0277 Kenny Dill, 312 Elmwood, Hoyt Lakes, Minn.  
 KCF0823 Jim Gross, 755 S. Potomac, Hagerstown, Md.  
 KCF0889 Gene Magnus, 2909 Kingswell Dr., Wheaton, Md.  
 KCF1224 Harold Channell, 306 East Duncan Ave., Alexandria, Va.  
 KCF1523 George Dill, 221 Wyandotte, Hoyt Lakes, Minn.  
 KCF1781 Reggie Martin, 124 Scott Dr., Manassas Park, Va.  
 KCF1983 Charlie Huff, 1917 Lexington Ave., Hagerstown, Md.  
 KCF2050 Willard Candler Jr., Rt. 1, Box 313, Westminster, Md.  
 KCF2156 Bob Sowers, 1920 Lexington Ave., Hagerstown, Md.  
 KCF2187 Cozy Kamp Motel, Cumberland, Md.  
 KCF2541 James Lofton, 712 N. Loudoun, Winchester, Va.  
 KCG0706 Eddie Becker, 4305 Franconia Rd., Alexandria, Va.  
 KCG0774 Lew Reinberg, 4118 Kethand Ave., Baltimore, Md.  
 KCG0816 Chuck Willard, Lakeland Trailer Pk., Dover, Dela.  
 KCG1087 Barney Ross, 425 Garden, Washington, D.C.  
 KCG1353 Joseph Havlock, 122 Cappel Dr., Manassas Pk., Va.  
 KCG1851 James Torrance, 6717 Pemberton, Bethesda, Md.  
 KCG2185 Bob Pumpher, 135 Old Centreville Rd., Manassas Pk., Va.  
 KCG2291 Mark Ewing, Box 136, Staunton, Va.  
 KCG2430 Don Ernest, 907 Montrose Ave., Morgantown, W. Va.  
 KCG2599 Sonny Weddle, Box 342, Hagerstown, Md.  
 KCG2509 Earl Wanless, Rt. 3, Box 220, Manassas, Va.  
 KCG2772 Charlie Stickler, 176 Cappel Dr., Manassas, Va.  
 KCI0140 Gene Shelton, Rt. 3, Gretna, Va.  
 KCI2934 Oliver Shirley, 107 Willow Rd., Asheboro, N.C.  
 KCI5771 Bill Roney, Lot 31 Pine, Andrews AFB., D.C.  
 KCI6042 Buddy Trent, Rt. 3., Foster Trailer Pk., Manassas, Va.  
 KCI6293 Howard Conselyea, 418 Virginia Ave., Norfolk, Va.  
 KCI6631 Harold Williams, P.O. Box 1143, Newport News, Va.  
 KCI6637 Bill Wynne, 2619 South Alston Ave., Durham, N.C.  
 KCF0121 Curtis Persinger Jr., 116 E. Chestnut, Covington, Va.  
 KCF0456 Harry Alvis, Lake Court Ave., Lynchburg, Va.  
 KCF1978 Hank Carter, P.O. Box 440, Newport News, Va.  
 KCF2269 Frank Anderson, 73 Bishop Ave., Danville, Va.  
 KCF2292 Hazel Stubbs, P.O. Box 1076, Rockingham, N.C.  
 KCF3489 Tom Marvin, 3207 Garland Ave., Richmond, Va.  
 KCF3995 Tom O'Brient, P.O. Box 11093, Raleigh, N.C.  
 KCF4397 Buddy Gross, 804 W. 5th St., Roanoke Rapids, N.C.  
 KCF5092 Doug Paynter, 1001 East Jefferson St., Charlottesville, Va.  
 KCF6875 Jackie Bradshaw, Box 282, Warsaw, Va.  
 KCF7737 Allison Clarke, 1009 Hamilton Ave., Clifton Forge, Va.  
 KDB0371 Bill Howell Jr., 545 Palmetto Lane S.W., Aiken, S.C.  
 KDB1435 Daniel Guthrie, Box 362, Spruce Pine, N.C.  
 KDB2782 Don Bell, P.O. Box 140, Cartersville, Ga.  
 KDB2967 Jim Wofford, P.O. Box 17, Atco, Ga.  
 KDB3123 John Dillard, 202 E. Commercial Ave., Monterey, Tenn.  
 KDB3402 Tom Steele, 132 Wayland, Spartanburg, S.C.  
 KDB4372 Harold Brock, P.O. Box 25, Florence, Ala.  
 KDB4538 Howard Tripp, 1821 Reynolds Ave., Charleston Hgts., S.C.  
 KDB4842 Troy Kenemer, Rocky Face, Ga.  
 KDB5517 Jimmy Phillips, 2128 Highland Ave., Knoxville, Tenn.  
 KDB7309 Robert Wood, 1625 3rd Ave., Tuscaloosa, Ala.  
 KDB7744 Bill Frankfield, P.O. Box 1103, Tryon, N.C.  
 KDB9144 Gilbert Black, 456 Combat Fed. Sqn, Beale AFB, Cal.  
 KDD0550 George Hoover, P.O. Box 86, Polkville, N.C.  
 KDD0588 Richard Brown, 1321 Cherokee Rd., Florence, S.C.  
 KDD0634 Pat Lane, Lone Mountain, Tenn.  
 KDD0748 Mike Jones, 711 Rollingwood Rd., Aiken, S.C.  
 KDD1988 Lytle Cox, P.O. Box 875, Cleveland, Tenn.  
 KDD2601 Howard Ray, Box 284, Caroleen, N.C.  
 KDD3270 Johnie Trawick, 708 Hull, Ozark, Ala.  
 KDD3451 Guy Jackson, P.O. Box 8154, Atlanta, Ga.  
 KDD3814 Joe McGee, Rt. 1, Starr, S.C.  
 KDD3944 Harry Johnson, 1845 Darby Dr., Florence, Ala.  
 KDD5759 Bob La Plante, 1556 Sumner, No. Charleston, S.C.  
 KDD4060 Mike Fitzgerald, 421 West Outer Dr., Oak Ridge, Tenn.  
 KDD4121 Romie Murray, Rt. 2, Ellenboro, N.C.  
 KDD4342 L. Davis, 826 Tate, Marion, N.C.  
 KDD6155R. Abercrombie, 520 Roseleaf Lane, Birmingham, Ala.  
 KDD6891 Danny Smith, 465 8th St., Cleveland, Tenn.  
 KDD7085 Ben Bruger, Rt. 16, Knoxville, Tenn.  
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 KDD7337 R. Cannon, P.O. Box 516, Cleveland, Tenn.  
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# CB IN ACTION

**By Len Haas,  
Sales Manager,  
Pearce-Simpson, KBG7527**



## MOBILE INSTALLATION

Your new Citizens Band rig is only as good as the installation. The best set on the market will perform poorly unless the antenna and the transceiver are properly located and mounted and the speaker noise problem is carefully solved.

## LOCATING THE ANTENNA

The location of the antenna is governed largely by the type selected. This also works in reverse—the location available for the mounting determines the type of antenna which can be used. The requirements for a truck station wagon and a convertible will all be different. The best all around antenna is usually the full length 108" whip (1/4 wavelength). The best location will be the center of the rear of the car since the maximum height, maximum radiating area and the best ground plane (the auto body) is obtained. This is hardly practical with the long whip, so it may be desirable to find the advantage of the longest antenna and the car location by using a base loaded whip that is shorter. It has a coil at its base to "trick" the transmitter into thinking the antenna is 1/4 wavelength long. If the whip is desired, it may be mounted in a lower location. The easiest type of mounting is the "bumper mount" which also eliminates drilling holes in the car body. However the "cowl mount" is a better type which raises the antenna more and provides a better ground plane.

The directional characteristics of the antenna will be determined by the mounting location. The center of top will exhibit little or no directivity. A "bumper mount" squarely in the middle of the rear bumper will give maximum signal in the direction that the car is pointed and much less toward the rear. One mounted at the left end of the rear bumper will give maximum signal toward the right front corner of the auto, and one mounted at the left side, just to the rear of the back window will give maximum toward the right front but signal toward the rear will be a little stronger than it would with the bumper mounted position.

## ROUTING THE ANTENNA FEED LINE

With bumper mounted antennas, the feed line can be routed into the trunk so the trunk door closes on it by drilling a small hole out of sight on the underside of the auto through the floor of the trunk. Cowl mounted antennas may be mounted so that the feed line goes directly into the trunk or engine compartment or even into a fender well. Top mounted antennas present a greater problem as the headliner must be partially removed for installation and routing of the feed line. The feed line through the automobile from the trunk, there is usually a channel available which is used for tail light wiring, etc. This will generally be found by removing the trim strip beneath the front and rear doors.

We will discuss the location and mounting of the mobile transceiver in our next column.

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## ATTENTION CB'ers!

We ask that all of our readers help locate CB'er Clem J. Giancola, KID5384, who vanished from his home on December 4th. Clem is 32 years old, 5 feet 8 inches tall, 150 pounds, receding black hair. He was driving a blue Pontiac Tempest Pennsylvania license number 044-23F. The car was CB equipped on channels 9, 11, 21 with a Fleet Courier, a Regency and a Utica. Clem is a grocer by trade and may have headed to Arizona. Since Clem is CB equipped, please don't discuss this over the air. If you locate him, call his XYL (Helen) collect at 414-PL. 2-1589 or 414-PL. 8-7389, or contact S9. Please help us locate Clem.

# CB CHIT-CHAT

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

**TO JOHN KREJC, 2W4586**

**ATTENTION ALL A. P. R. E. — CB CLUBS —  
CLUB PAPERS — CB'ERS & READERS OF S9.**

S9, Club Editor, John F. Krejc, 2W4586, has moved to another 10-20. Please forward all mail to 60 Division Ave., Garfield, N.J. If you haven't already changed your mailing list, please do so. My postman's pencil is not as sharp as it was.

## NORTHERN

The C.B.R.R.L. National Dinner Dance will be held at the Hotel Bossert, Jan. 25th. There will be a cocktail hour followed by a Prime Rib of Beef dinner. Dancing and the Presentation of the 1964 National Officers will be on the docket.

A newly reporting club—**CHILI-OGDEN-RIGAKLUB**, from the area of North Chili, New York. President of the club is Alex H. McKay. Let's hear more fellows.

The following is from a Grateful Fireman: We have been plagued with forest fires recently because of dry weather in New England. Recently one was spotted near Norma's house—that's our gal—Norma Clack, of Canaan, New Hampshire. When there was difficulty in getting out a crew via land line, Norma got on the radio and helped get a crew started in no time flat. While the fire was burning she stayed on to relay for us from one lookout to another. This lasted for three days. She was in constant touch with our portables. Thanks to a grand CB'er. We understand she recently aided an ambulance in disaster, also she monitored the search for two small boys who were lost on the mountain. Isn't it a shame more CB'ers don't put their radios to such use as this, instead of sitting on a hill side, trying to see how far they can get out and covering up everyone else who is trying to use theirs?

September 1961, in a private home in Hawthorne, New Jersey, approximately 10 CB'ers got together and formed what is now the Watchung Rang Radio Club. The club meets the first Wednesday of every month at the home of one of their members. From the original 10 members, the W.R.R.C. presently boasts a membership of 75. Presently meetings are held in the Glen Rock Athletic Club. The club members have assisted local police and participated in CD drills. The club also does its very best in helping stranded motorists in time of need. President of the club is William Ziegler, 2Q5906. The club monitors channel 13, and are seeking members.

The Central Conn. Citizens Band Association has been in existence for about 1½ years. Recently they provided communications for the Miss Connecticut Day Parade, working along with the parade marshals to organize the event and also as traffic controllers.

**NEWS**—CB units used to coordinate State Wide Polio Oral Vaccine final clinic. This was a non-club operation in the area, although some were club members. Over 90% of the state of Rhode Island now have all 3 oral types.

At this writing, most clubs in the 1st area are preparing for hurricane alert.

A new club paper comes upon the scene—The Citizens Band Radio League, Lebanon, Pa. resident is Dom Moyer, KCC2243, Treas., LeMar Hall, KCC1236, Sect'y, Russ Plush, 3Q2551. November the club held their annual elections. So let's hear the results already.

The Mascoma Valley Emergency Communications Team is still making news—Their latest service to the public actually occurred out of their area, but they still



Pictured is the president of the Central Conn. CB Assn., at the controls of his unit located in the first division of the parade. Oh— yes he is Peter J. Mariotti, KBA4293.

came through with flying colors. An apparent lightning bolt started a forest fire in a remote section of Lyme, N. H. area. Their Saturday night monitor, Elwin Clark, KBC5416, of Canaan, N. H. acted as a relay point for fire-fighters using walkie-talkies. This was the only way fire-fighters could communicate with the rest of the world, so to speak. Elwin and his wife Norma stood by day and night, relaying information, via the land line. We understand this went on for 7 days and nights. This is just another incident which REACT and Citizens Radio has served their community. You send it Dick, 1Q2290, and we'll print it. Thanks.

**THE BIGGEST NEWS FIRST**—The Second Annual CB Get Together was held at the "3 Rivers Inn," located on Route 57, between Phoenix and Liverpool, New York, October 26, 1963. This was the biggest affair ever held by a non-club organization, as it was put, "the organized-dis-organization" really held one-large-blast. The day started off with many of the leading manufacturers attending with all their goodies. For a one day event, brother this one leads the list. A 7-course steak—(get this) dinner started at 6:00 p.m. sharp, floor show at 9:00, door prizes, dancing, and last but not least, card swapping. Toastmaster was Carl Shaw, KIC6884, who did a real professional job. Carl also was the ticket chairman. "3 Rivers Control" was handled by the capable, Skip Shorter, 20W5268. Special thanks should go to Tom Ryan, of who we lost his call, Pete Nowey, KIC7275, and the many, many committee people who helped coordinate this gala event. 3 lucky winners took home 1 year free subscriptions to S9. Sam Stock, was the lucky winner of the grand door prize. This was among the many that were raffled off that night. Many thanks to the Harry Yoder's, for the ride to the airport. Guest speaker of the night was John Krejc, KBI8077, Club Editor, S9, Magazine. Thanks, fellows. Hello to M. Fuller.

Assisting the Newport police on the recent Halloween were members of the Narragansett Bay Citizen Band Radio Club in their new mobile communications center. Completed recently after six weeks of work, the center is contained in a reconitioned trailer. The club bought the surplus 26 foot long house trailer from the city for 1.00 in August. Club membership includes both men and women, all living in Newport County. About one-fifth of the members are in the Navy, including the three technicians who maintain the equipment. President of the club is Addison G. Rose. The club, founded in 1960, has also assisted at Chamber of Commerce functions, house shows, and anytime else that needed communications. Members volunteer their time to help at various affairs. The club normally uses channel 11 for monitoring and channel 1 for emergency work.

Mayor Richard Grotton and the Police Committee of Spring City, recently thanked the Keystone 11 Meter League for the help in the past weeks in assisting Chief of Police, William Rose, in their "spook Patrol" in the boro.



Picture shows the Cross County CB League members examining a Courier, and the club meeting in progress.

Newly reporting the Cross-County Citizens Band League of Valley Stream, Long Island, New York. President of the group is Stan Paleologos, KBG6811. Vice President Ronnie McCalla, 2W8682.

Recently the Emergency Squad of the Lycoming CB Radio Club, Pa., was called to provide communications at the Williamsport Junior Chamber of Commerce Air Show. They had 14 units participating along with their Emergency Truck as control.

The Seacoast Search and Rescue CB Club of Portsmouth, N. H. has been operating for several months, and has gained the support of the local Police Dept., and has a station set-up in their headquarters. The club books show 30 members with various skills as scuba divers, paramedics, mountain climbers. Its operations are devoted mainly to ground search and rescue, however the club has two boats for sea work. One interesting point about the club, they hesitate to call it a club but prefer to call it a unit, it boasts members from seven different call areas. This is due to the Air Force Base with its CB'ers coming from all over the country. Thanks to Tracy Garrett, KGB1520.

Recently during the mine disaster at Sheppton, Penna., where three miners were trapped for days underground in a cave-in the local CB Club, Mountain City Citizens Band Radio Assn., performed a very useful purpose by organizing a network of stations operating between Sheppton and Hazelton to provide much needed supplies such as walkie-talkies, gasoline to operate portable generators, batteries for flashlights, blankets and refreshments for rescue workers. At no time during the operation did the club leave the scene and two-way communications between Hazelton and Sheppton were maintained on a 24 hour basis. The club would like to thank the Anthracite CB Club of Upper Luzerne County and Wilkes-Barre for keeping the channel clear during the operations. It was a fine display of what kind of cooperation can be extended when an emergency arises on the band. They only hope they can return the favor in the near future. Thanks to Merle H. Reitz, 20Q3285, club correspondent.

The Civil Emergency Assistance Unit located in Jamaica, N. Y. is a volunteer organization formed for the purpose of rendering assistance to city police and fire departments. Anyone interested in joining this group contact—Bernard T. Ullrich, 91-08 101st Ave., Ozone Park, Jamaica 16, N. Y. Telephone after 6:00 p.m. HI 1-5144.

The 3rd Annual Citizens Band outing of the Southern New England Citizens Radio Assn., was held on August 11th at the Hamilton Rod and Gun Club in Sturbridge, Mass. The attendance was well over 800 people. Most of the Northern U.S. states were represented. Thanks to Carol L. Walthers.

The Williamstown 5 Watters is a fast growing club in South Jersey, which is sponsored by the V.F.W. Post #1616, of that town. Many members of this club have done considerable amount of emergency work and received special commendation for their work during the shore disaster in Jersey in March of 1962. Meetings are held regularly every month on the 2nd Monday at the V.F.W. Hall. President of the club is Harry Griffith, 3Q1601. Visitors are welcome and refreshments and interesting movies are enjoyed every meeting night.

Boat crashes off Conn. point. Two boys made it to shore, but two were assumed lost. The Warwick CD took charge of the search and placed Walkie-Talkies in Coast Guard, Fish and Game boats and all emergency vessels in the area. KBA5750, Ken Knight was called on to stand-by to relay to boats that were out of range.

## SOUTHERN

Members of the Century CB Club are proud to announce the formation of their brand new CB Club. They have members from four counties in West Virginia and also CB'ers from the adjoining state of Ohio. The meetings are held the 1st and 3rd Wednesday of each month at 7:30 p.m. Pleasants County Court House, St. Mary's, West Va. The club boast a membership of 77.

### MONITORING CHANNELS

Clearwater, Florida area monitors channel 7, thanks to Bill Harvey, KDI1221.

How about this—S9'ers CB Club of Houston, Texas. President of the club is Leon Truman, KEE1187. The S9'ers recently really put one on, with an open invitation to all CB'ers. They were told to bring a appetite (Boy did they have some fine hot dogs, and all you could eat). About 150 CB'ers showed-up. The S9'ers meet the last Thursday, 7:30 p.m., of every month at the First Pasadena State Bank Bldg. Pasadena, Texas is a suburb of Houston.

Vice president of the Galveston County CB Assn. is John "Zeke" McLaren, KED0131. The club meets the 1st Wednesday night of the month at 7:30 p.m., Guaranty Federal Savings Bldg., La Marque, Texas. What's with all the CB Clubs meeting in Bank Bldgs.

The QSO Club of Houston, Texas meets the 1st Tuesday of every month, 7:30 p.m. at the MacGregor Park Club House, Houston. President is Chuck Oliver, KEE0134.

At a recent meeting of the Manasota CB Club, it was voted to change their monitoring-calling channel from channel 9 to channel 16. The club serves the cities of Sarasota, Bradenton and Palmetto, Florida. This notice is from their capable vice president, Walter E. Histed.

The C.B. Ridge Runners Club of Highlands County was formed on January 30th, 1963 and has approximately 25 members. President of the group is Danny J. Willis, KDH2443. The club so far have visited the Avon Park Air Force Bombing Range to witness night flare bombing. The unit has worked with the Sebring Grand Prix 1963 races and have plans to work during the 1964 races helping with communications. They have recently received the REACT decals and membership cards and are in the process of forming a REACT Emergency Team in the Highlands area. The Ridge Runners have been instrumental in getting police and ambulance to the scene of several train and auto accidents in the past. The club meets the 2nd and 4th Thursday of the month.

## PACIFIC

The Valley County "5" Watters Radio Club was officially started about 6 months ago, with about 8 members. The club membership has grown to well over 30. The club has participated in many community events. They are available for emergency communications, direction of traffic and any sort of assistance. The Club hails from Glasgow Air Force Base, Montana.

The Redwood Citizen Banders, Eureka, California area now has their own CB publication. Any club that would like to exchange: Write—Hazel Masters, Editor, P.O. Box 726, Eureka, Calif. The name of the new paper—"Whispering Redwoods." The clubs annual election was held recently with Wayne Walker, KFC0435 as president.

The Columbia Basin Channel Masters was organized at Moses Lake, Washington, recently. The club name was selected last August and Lyle Vandervelden was elected president.

The Valley Citizens Radio Association, of Northridge, California, meets the 1st Sunday of each month at the Matador Bowl dining room. All CB'ers in the area are sure welcome to attend. Every Sunday morning coffee break social is held to introduce and meet all new comers to the area. Officers of the club are Gary Garrett, KFA2003, Pres., Ted Tedman, KIQ4391, Vice-Pres., and Peg Tedman, KFA5506 is Sec.-Treas. One of the rules of the club is that all club functions other than the business meetings must be family affairs. The

club handles all communications for motorcycle endurance runs and major motorcycle operations.

The Fresno C.B. Radio Club held a large outing at Bass Lake. Mike Duffy, KFD0970 was chairman of the doings. Water Skiing, boating and a great picnic was part of the days activities. Like all the Fresno outings this was another huge success.

The CB Minutemen News, club paper of the CB Minutemen of Washington, Inc., looks better with each issue. Thanks should go to Editor Til Warriner, KFJ0268. President of the club is Ralph Stewart, KFI-1268. Anyone wishing to exchange club papers write: Til Warriner, 12855—7th Ave. South, Seattle, Washington.

The Douglas CB Radio, Inc., from Roseburg, Oregon which originally organized in February, 1961, has been reorganized and incorporated as a nonprofit club under the laws of the State of Oregon, June, 1963. Present membership is at 24. The club has their own call sign, KFG1572. President of the group is Jack Salberg, vice president, Gene Bixby, Sec'y-Treas., Lauren Costello. The club owns a 22 passenger FLEXI-GMC Bus which is equipped with almost everything you can think of. The bus also includes many emergency gear. Besides the bus they have about 15 mobile units that belong to members willing to cooperate at any time.

The Gem State Five Watters C.B. Club, a joint organization of Pocatello & American Falls, Idaho, celebrated its first anniversary on July 11th. The club started with ten charter members and have now grown to approximately forty members. They have also extended their area to include the Aberdeen and Sterling localities. The original officers were Douglas Lemmon, Pres., Frank Barnard, V. Pres., Jewel Harpadene, Sec.-Treas., Larry Harpadene, Comm. Coordinator. The officers for the new year are Robert Baish, Pres., John Lewis, V. Pres., Larry Davis, Sec.-Treas., Douglas Lemmon, Comm. Coordinator. Club activities have included furnishing communications for the three polio clinics in this area, a double air crash, a disasterous flood at Pocatello this spring, and for the Eastern Idaho Centennial Air Show, which featured the "Blue Angels" precision flying team. The Gem State Five Watters, is also affiliated with Civilian Defense in the area and on occasion have aided the law enforcement officers. The club was awarded a plaque by the South-East Idaho Medical Association for its effort in the Polio campaign. All CB'ers in the area are invited to attend the clubs meetings and affairs. The club monitors channel 9 in these four areas.

Ed Burns, KFG0754 and Sam McCullough, KFF0728 of Cottage Grove, Oregon advise that the CB'ers in that area are in the process of forming a CB Radio Club. By the middle of September the club should be well established. Good luck to you Cottage Grove CB'ers and be sure and let us hear from you.

Hello to the fine CB club of Gold Beach, Oregon, the Curry Radio Club. Composed of thirty Ham and CB members, the club monitors Ch. 15. Channel 11 is their stand by channel during emergencies. Their main efforts are aimed towards Search and Rescue work. During the big fire last fall and uring the terrific storm in October, CB radios were the only means of communication. The President of the Curry Radio club is Don Wheaton, KFF0651 and the Vice-Pres. is George Krammer, 13W0964.

## CENTRAL

Jacomo CB Club held their monthly outing at Jacomo Lake, with 150 attendance. Anyone in the Independence, Mo. area interested in a going CB Club should contact 12Q2552, Bill Brown, Pres. or KGH0169, Paul Johnson, Vice Pres. Jacomo meetings are held the 2nd and 4th Thurs. of each month and monitor Ch. 11 24 hrs. for emergency service.

The K. C. Area CB Ladies have been having a coffee break every Thurs. morning so the girls can get acquainted and introduce all the new KG1's to the old timers. The group meets at a different home each week and all those interested are invited. If you are interested listen on Ch. 9 for address. Call Jackie Douglas, KGH-3445 or Peg Cates, 17W7167 for info.

The North Area Emergency Radio Team was initiated into the Riverside, Missouri-Police Reserve Officer Program Oct. 10th. The team will be used for emergency duty and traffic control.

The regular meetings of the Ky-Va Club meets the 4th Sunday of every month at Jenkins, Kentucky. All correspondence may be sent to Kelly DeSimone 19Q2189 at McRoberts, Kentucky.



K. K. Davis, KDB3914, Marion, N. C., while attending the Asheville, N. C. Jamboree, lazily watching CB'ers gobble-up the S9 subscriptions. Thanks to Frank Karcher.

Members of the Ozark Citizens Band Radio Club have been called on two search parties recently. One was a small boy who became lost in the woods and another search was for two teenagers who had run away from home. Both searches were successful. The Ozark club has been in operation for several years to promote fellowship and the exchange of ideas for the advancement of CB Radio and to provide an effective radio system in emergency conditions. The club monitors channel 22. Channel 9-11 are monitored in the St. Louis, Bonne Terre, DeSoto, Flate River, Missouri area. President of the club is Lou Williamson, 3455 Mackland Ave., St. Louis, Mo.

Sept. 4th, marked the beginning of a new CB Club for Peru and Miami County citizens, when a group of 12 local CB'ers met at the home of Charles Cover, KHA9340, Mexico, Ind., and elected Art Dills, KHC-6449-U-3 as president. Regular meeting time is 8:00 p.m. on the 2nd and 4th Mondays of each month, location is the Y.M.C.A. in Peru, Ind. Attendance at their first meeting was over 36. The club choose for its name the Circus City CB Club. They monitor channel 8 to give weather, road conditions and help visitors in general through their city and surrounding area.

News is that the Marion Missinawa Club is again publishing their club paper. Good luck to the group.

Recently the Marion club sponsored a Old Fashion Home Made Ice Cream Party, which was held at the South Marion Business Men's Club. Attendance was over 175 happy and full smiling people who did much card trading and story swapping afterwards. Anyone who failed to come, missed one delightful afternoon.

Sept., 1963 the Tri-Co Sonic Boomers held their regular meeting which has been changed from the 4th Friday to the 4th Saturday of each month. Meetings are scheduled to take place at 7:30 p.m. at the Youth Center, Bunker Hill Air Force Base. Bob Sunstrom, 18Q4030 is president.

The Midwestern CB Club Inc., had a Weiner roast, apple bobbing and pin-the-tail-on-the-donkey contest at the home of Mr. and Mrs. Amile Cass, KHB0289 recently. The club meeting was held before the roast. The club has grown so in size that a new and larger meeting place was needed and selected. Members now meet at the beautiful Pavilion Building in KoKomo's Highland Park. Meetings are still held the 2nd Wednesday of the month, time—7:00 p.m.

The Cereal City Citizens Radio Club holds their regular business meetings the first Wednesday of every month, 7:30 p.m. at the Post Cereals Clubhouse on Cliff St., in Battle Creek. Informal gatherings are held all other Wednesday evenings at Barnes Park during the summer and at the Eastgate Drive-In during the winter. The official Club channel is 3—however an equal number of stations in the area stand by on channel 9 and 11. Editor of their fine club paper is Don Cortright, 19B0553, P.O. Box 91, Battle Creek, Michigan.

Just organized the South Shore Radio club, meets the second and fourth Thursday of each month. The club consists of 25 voting and 25 non-voting members.

The non-voter being the wives of the members. The club is basically a social operation with a stressing of courtesy and helpfulness on the air. Their meetings are held in the Euclid-Lee Branch of the YMCA. President of the newly reporting group is Robert Abele, 19Q8499.

Recently members of the Lake County Citizens Radio Association Emergency Patrol, who were assisted by other CB'ers in the area in handling communications for the oral vaccine program in Lake County. Due to the vaccine being frozen, it was stored in a large freezer at a local warehouse, where control center was setup for communications, with 29 clinic sites throughout Lake County. Great work, fellows.

One of the most active clubs in the State of Michigan is the Tri-County CB'ers. At their last outing they had over 30 CB'ers present. The president reports that the monthly meetings are held the first Friday of the month at the Coloma Township Hall. President of the newly reporting club is Leroy Bartalone, 19Q4138.

The Sioux Empire Citizens Communications Association of Sioux Falls, South Dakota, recently assisted the Sheriff's Dept., CAP and the City Police in an explosion disaster. The club has 60 members and holds its meetings twice a month. They monitor channel 6. Al Sando, KGE1179, is president and Art Jensen, 16W3417, vice president.

## WESTERN

Denver Metro Citizens Radio Club advises that their new mailing address: P.O. Box 4091, So. Denver Station, Denver, Colorado—80223. Clubs wishing to exchange publications, take note. After the first of January, 1964, the Denver club will meet at a new location. The Western Federal Savings Bank, 10395 West Colfax Ave., Denver. Meeting night—the 2nd Wednesday of each month. Room for about 200. All CB'ers in and around Denver that are not members are invited to visit the clubs meetings.

### NOTICE OF COFFEE BREAKS—

Redondo Beach Area: Held 1st and 3rd Friday of each month at 8:00 p.m., 2300 Grant Ave. in the city of Redondo Beach. MC'ed by Peewee Lewis, KEJ6928 and aided by Jack 11Q5425 and Bud KEJ3644. Great way to spend an evening. Drawings are held each "Break" for valuable prizes.

Valley Area: Northridge, California. Sponsored by the Valley Citizens Radio Association. Held every Sunday morning, (9 a.m. to 11 a.m.) at the Matador Bowl on Balboa Boulevard in Northridge. Capably MC'ed by Gary Garrett, president of VCRA. Present attendance is over 200 persons. This one is a must for all CB'ers, field day for card swappers as well as a great opportunity to meet many wonderful people.

The Five Watt Wizards Citizens Band Radio Club of San Bernardino, California has just finished building its own separate facilities for its monitoring shack. Most of the equipment is new, including a better rig. Carpets, furniture and work bench areas are modern and of good quality. The reference book section, however, is not as complete as it should be. Anyone having books or material on any phase of electronics is urged to donate them to the club. You can be sure they will be put to good use. Write to the club at P.O. Box 3364, San Bernardino, California. Future meetings will be held on the 3rd Monday of each month at 340 W. 4th St. at 7:30 p.m. San Bernardino CB Civil Defense meetings, under the direction of the SWW's are held the 2nd Wednesday of each month. Contact Randy Ball, KFA-1452, for more info.

Fres. Warren Lempe announces the return of bi-monthly meetings for the Bear Valley CB club at Big Bear Lake, Calif. Meetings are held at the Sheriff's office in the Court room on the 1st and 3rd Sundays at 8 p.m.

All CB'ers wish the best of luck to a new club near San Bernardino, called The 11-4 Club. They recently held a coffee break at Crestline, California, that was well attended by members of the 5WW's and other local CB'ers. The club is off to a slow start, but they should grow once they overcome the usual troubles of a new group. Good luck fellows.

The Santa Barbara Citizens Band Radio Club reminds all CB'ers in their area that the club meets regularly on the 2nd and 4th Thursday of each month at 8 p.m. in the Red Cross Bldg., Chapala and Sola Streets. The S.B.C.B.R.C. reports two cases where prompt action by members of the emergency team brought fast help to citizens in serious difficulty. The



club continues to grow, the latest report shows 9 new members signed up recently. The club will aid the Marine Watch each weekend by furnishing two members to stand by on channel 13. This channel is monitored by groups from San Diego to Santa Barbara to provide aid and information to marine units.

REACT of Orange County, Calif., announces the election of Bob Blakely, 11W8551, president. At a recent board meeting, Ed Maust was designated as REACT Control for the coming year. The club has a very impressive list of clubs that have exchanged newsletters with them. Always happy to add to this list, if your club would care to exchange papers, drop a note to the REACT of Orange County, Betty Sprague, Secretary, P.O. Box 26, Midway City, California. REACT's big Christmas party is scheduled for December 21st. This club the 10-99'ers of Orange County really have the know how when it comes to putting on the social events. If you haven't attended one of their "Coffee Breaks," contact Harry Sprague, KEJ0815 or Ed Maust, KEJ0770, for the time and place.

The Five Watters of Monterey County, Inc. is nearing its 4th birthday with 60 members. Located on the Pacific Coast about 125 miles south of San Francisco, the rugged mountainous terrain offers many challenges. Channel 9 is utilized exclusively as a calling channel, with non-emergency conversations carried on elsewhere. Meetings are held the second Monday of each month and are open to any one interested, with wives especially invited. It's Police Communications Reserve (PCR) is a well organized branch of the club, operating on channel 15. The PCR has what it believes to be unique membership requirements that have more than proved their worth. Each applicant must be a club member (which requires a Class D license), and must have an application approved by the Monterey Police Dept. Public service and assistance is an every day operating procedure for the members of the Five Watters of Monterey County, Inc.

Another successful "Coffee Break" was held in Redondo Beach, California on October 18th. Approximately 160 CB'ers attended. A very entertaining and informative movie about the laying of the Trans-Atlantic phone cable was part of the evenings entertainment. Gary Garrett, MC'ed the affair, in the absence of Peewee Lewis. Gary is the regular at the Sunday morning "Break" in Northridge, Calif.

The Ladies Auxiliary of the Denver Metro Radio Club have had a very busy fall season, what with the club picnic, Chili supper, potluck dinners, annual Halloween Party, Thanksgiving, and Christmas doings. This wonderful group of women contributes tremendously to the success of the entire club year. Being a modest group, the ladies are quick to say that it is the loyal support of the membership that makes these projects successful. However the fact remains, that with all the planning and effort that the Auxiliary puts into each affair, there is no such thing as a failure for them. We of the Denver Metro Club are fortunate to have such an Auxiliary. The club has decided to purchase title pins for the four officers. This will enable our guests to identify and become better acquainted with those members that are serving the club in an official capacity, that year. Herb Brown, 15W1898 is compiling a list of the XYL's of the club members.

By the time this appears, the year will have closed and the Valley Citizens Radio Assoc., of Northridge,

California, will have held their election and the officers for 1964 will have been selected. We do want to mention that the past year has been a very successful one for the club and these members can well be proud of the record; Gary Garrett, President; Ted Tedman, Vice Pres.; and Peg Tedman, Sec.-Treas. Because of the expanding work involved in the Sec.-Treas. job, the club will have decided whether or not to split this office and name a secretary and a treasurer. The VCRA is the club that sponsors the well known breakfast and coffee break every Sunday morning at the Matador Bowl in Northridge. This is an outstanding affair and should be a must for all CB'ers in the Southern California area.

The Napa Valley Final Five club reports a very successful Jamboree held at the Bodago Bay outing. Good attendance, many prizes and a great time for everyone. Two new CB'ers in Vallejo who are probably members of the Final Five club, by now, entertained S9 A.P.R.E. Bob Forster when he and his wife passed thru on their vacation, are Haley & Bonnie Howard KFD0570 of 630 Highborn Street, Vallejo, California.

The 11 Meter League's jamboree held Sunday, Sept. 8th, was one of the best in the area. The turnout was exceptional, over seventy prizes for the drawings, great entertainment, games and fun for all, much card swapping and many new friendships started, made the affair a real "winner."

Word from the Emergency Communications Club who monitor channel 11, is that the group was formed to help and assist in any emergency that may arise. The club meets the 1st and 3rd Monday nights at the Stump Cafe, Highway 59. Director in Charge of Operation is Ed J. Russell, KEB1754-U-1-5. No city was mentioned, but we assume that they are located near Texarkana, Texas.

## ATLANTIC

**COMING EVENT**—Look at this—The Big Grandfather CB Jamboree will be held on the 12th, 13th and 14th of June, 1964. The location will be on the mile high Grandfather Mountain in Western North Carolina on the Blue Ridge Parkway. Chairman of the event is

Frank Karcher, A.P.R.E., S9, those wishing more info write: Jamboree Committee, Box 362, Spruce Pine, North Carolina.

On the evening of October 19th, The **REACT RADIO PATROL** of Hagerstown, Maryland, sponsored a CB Get-To-Gether at the American Legion Home, with over 50 CB operators attending. This was the first venture in the Hagerstown area, of CB operators, and will give the **REACT** members an idea for future picnics and Jamboree's. Sgt., C. C. Jones of the Maryland State Police and Mr. Dick Everette, an attorney for The Amateur and Citizen Radio Service both spoke to the group, and a good time was had by all. Winning tickets were pulled from the barrel for the big drawing and refreshments were served after the meeting. The **REACT** Radio Patrol now has a headquarters located in the home of Mrs. Fay Benedict, KCG2221. Members painted and furniture was obtained for the room, open to all **REACT** members. By press time **REACT** Radio Patrol will be incorporated and plans are being made for the future. Road monitor signs are being prepared, white helmet liners are in the process of completion, a special 10 code and assistance cards are available to members. Persons who travel through the Hagerstown area are reminded that a 24 hour monitor is available on channel 9. Just give a call for the **REACT** monitor anytime.

Not much news from the clubs throughout the 4th area, clubs or persons who have material, please contact Jim (Cardswapper) Cross, KCF0823, 755 S. Potomac Street, Hagerstown, Maryland, and let's get this area in print. Remember, it's for your benefit!

**Late Jamboree Report**—The North Georgia CB Radio Club, Inc., held their Jamboree this past August 31st and Sept. 1st at Albertsons' Lakes, Dalton, Ga. Attending were over 3,000 CB'ers representing 24 states. Activities included swimming, skating, dancing, horseback riding and sky-diving. The club will soon be housed in their new clubhouse this spring. Next year's Jamboree will be held over the Labor Day Weekend. More on this at a later time. Thanks to Al Orr, Jr.

The Sedalia CB Club recently entertained Bill and Leona Baker (KC16499) of Winston-Salem, N. C. The Bakers contacted Lucille Wasson (17W5802) as they



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were passing through Sedalia, Mo., to get road info. The Wassons invited the Bakers out and quickly rounded up the club for a card exchange and eye-ball meeting. The Bakers agreed it was the most pleasant three hours in the Mid-Western trip.

The Cowan Citizen Band Radio Operators Association assisted by the Henry County CB Club, and the Delaware County CB Club were host at the Fall Jamboree at Memorial Park, New Castle.

A little-known but fast growing Thomasville organization, Citizens Band Radio Club Emergency Team, Thomasville, Georgia, recently did its part to speed up rescue operations at mobile accidents in their area. The club is in the process of setting up with REACT. They also had a display at the recent County Fair. President of the club is Leon Walker, 6Q3441. Vice President, Richard Tucker, KDB7984. Sec'y-Treas., Randell Griffin, KDB4961, and Tom Higdon is Publicity man. Last June, when a small twister uprooted trees and knocked down power lines, 21 mobile units of the club emergency team went into action to assist police and utility crews in reporting on conditions.

From the Bulletin, club paper of the Roanoke Valley Citizens Band Radio Club comes the news that president is Al Knight, Vice President, P. G. Stulz, Jr., Sec'y, Jake Schmuck, Treas., Wagner Wilkerson.

Crozet, this entire drought stricken, Albemarle County Town for more than two months obtained its only supply of vital drinking water largely through the efforts of CB'ers in the area who worked in shifts, 'round the clock, to assure a continuous supply of water from an emergency substitute source through a make shift pipeline. Area CB'ers voluntarily maintained the pipeline communications. News of this effort comes from the Virginia State Citizens Band Radio Association, Inc., Grace Langlotz, vice president.



Officers of the newly formed Tallahassee, Florida Citizens Band Radio Club discuss plans for their Monday night meetings. The group is setting up a 24 hour monitoring service and hopes to take an active part in REACT. Pictured are, left to right: Roger Smith, KD10337, treasurer; Mike Swisher, KD11453, vice president; Charles Smith, KD11487, president; and Eddie Hodges, KD11487 unit 2, secretary.

New appointments to the A.P.R.E. program include—Ed LaFortune, KB10922, 126 Second Ave., Troy, New York—Ralph Harter, KHB2574, R#1, Box 37-A, Amboy, Indiana—Robert DeLoach, 23W0238, 406 29th Ave., Anchorage, Alaska—Don Spiers, 14W1144, P.O. Box 321, Sumner, Wyo.—Dick Lohr, 19B0426, 13Fis Box 1073, Glasgow AFB, Mont.—W. C. Hatcher, KC10348, 713 Parrott Ave., Kingston, N. C.—Mrs. Ione Petersen, 202 Fairview Dr., Greenville, Mich.—Ann Dickens, P.O. Box 1228, Bend, Oregon—Shirley Schaaf, KGH1666, 1300 E. 65th, N. Kansas City 18, Mo.—H. Dean Schultz, 909 So. Jessica, Sioux Falls, S. Dak.—Jim Sankovich, 9 Eicher St., Uniontown, Penna.—Carolyn M. Sturm, KH15727, Columbia St. West Union, W. Va.—Walter Harrow, 2315 N. Curtis Rd., Boise, Idaho, KFF0764—Danny Watrous, 211 Portola Way Tracy, Calif., KFC-4494.

## CANADA

A newly formed CB Club, THE WEST TORONTO CB RADIO GROUP. Recently the club held their first meeting in which 52 members were present. President is Dave Massam, vice president, Ron Moriarty, Secretary, Michelle Moriarty, Treasurer, Jerry Szafinski, Executive Member, Phil Merchant, Sr. Michelle says that a goodly number of their members subscribe to, as he puts it, your very fine publication. Thanks, Michelle, for the nice words about the greatest CB Magazine.

The Saskatchewan Citizen Band Radio club has honored this writer with an honorary membership card. As E. Walsh said, S9 is the most and best magazine for avid CB'ers and clubs. Mr. Walsh is the Sect'y Treas. of the club. Let's hear more from the group. Pictures too.

More news from Canada. The Golden Triangle Radio Club. The club boasts a membership of about 25 to 30. They hope to increase this number considerably during their winter membership drive. Geoff Faer, XM4-9489/393, 924 Cummings Ave., Ottawa 7, Ontario, tells us the club has been in existence for about 6 months. Why don't some of the clubs in USA drop Geoff a note, maybe we can help him organize a winner.



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







# WASHINGTON OUTLOOK

We skipped a session last month because of the special issue, so now look what has happened; the list of victims has added up to the biggest ever for this round—61 to be exact! Here's what happened-to-who since we last looked at the casualty list:

*ex-4W0152*, Warren J. Currence, Elkins, W. Va., according to an item in the *Elkins Inter-Mountain* newspaper (Oct. 31, 1963), Currence was given two indictments from a federal grand jury. Three counts were for the operation of an unlicensed radio station, eight counts were for uttering obscene language over the air. The U.S. District Attorney said that eleven of the indictments were secret and could not be revealed until Currence was taken into custody (he had been free on \$2,000 bail since a U.S. Marshall had made a surprise raid on his premises). The grand jury, according to the news release, had also been "considering evidence dealing with white slavery, illegal drug traffic and income tax evasion but these were not included in the indictment made public."

*4W2864*, Guy A. Merritt, III, Severna Park, Md., his hearing on a show cause notice was terminated.

*6W6454*, Plato P. Powers, Atlanta, Ga., sent a notice of apparent liability in the amount of \$100 for alleged violation of Sect. 19.61(a), non-substantive transmissions.

*7Q1867*, Ronald C. Camwron, Fort Lauderdale, Fla., received a notice of apparent liability in the amount of \$100 for repeated and/or willful failure to respond to official FCC notices.

*7W0464*, William Humbert, Jr., Tampa, Fla., FCC denied his request for the stay of the effective date for the revoking of his license.

*7W2383*, Allison E. Newhall, Tampa, Fla., license revoked for repeated failure to respond to official notices concerning alleged violation of Sect. 19.25(c), antenna height.

*10Q2041*, James J. Owens, Amarillo, Texas, ordered to show cause why his license should not be revoked for repeated violations of Section 308(b) of the Communications Act and Section 1.76.

*11Q1177*, United States Mobile Communications Corp., Los Angeles, Calif., directed to show cause why its license should not be revoked for repeated violation of Section 308(b) of the Act and Section 1.76.

*11Q5268*, William P. Wilson, Santa Ana, Calif., license revoked for repeated failure to respond to official notices concerning alleged violation of Section 19.61(a), non-substantive messages.

*11W2882*, Charles A. Schlicht, Encinitas, Calif., license revoked for repeated failure to respond to official notices concerning alleged violation of Section 19.33 (off frequency).

*11W3781*, John H. Thorpe, d/b/a Buena Park Economy TV Service, Buena Park, Calif., directed to show cause why his license should not be revoked for repeated failure to respond to official notices concerning alleged violation of Sect. 19.61(a), non-substantive messages.

*11W4157*, Robert D. Coughtry, Manhattan Beach, Calif., license revoked for repeated failure to respond to official notices concerning alleged violation of Section 19.61(a), non-substantive messages; 19.61(e), too long for a message; 19.61(f), talking more than 5 minutes; and 19.62, improper identification.

*11W6140*, Donald B. Morse, Anaheim,

Calif., hearings terminated on his show cause notice.

*11W8038*, Robert K. Smith, Long Beach, Calif., sent a notice of apparent liability in the amount of \$100 for failing to respond to official notices.

*12W0716*, Robert Louis Lenz, Oakland, Calif., given a show cause notice for repeated failure to respond to official notices concerning alleged violation of Sect. 19.61(a), non-substantive messages.

*12W3522*, R. W. Crawford, Jr., Hayward, Calif., given a show cause notice for repeated failure to respond to official FCC notices concerning alleged violation of Sect. 19.61(a), non-substantive messages.

*12W4784*, Raymond D. Hill, San Francisco, Calif., given a show cause notice for repeated failure to respond to official notices concerning alleged violation of Sect. 19.61(a), non-substantive messages.

*13Q0829*, Raymond Sterling Wood, Portland, Ore., sent a notice of apparent liability in the amount of \$100 for failure to respond to official communications.

*17W5683*, John F. Garrity, Kansas City, Kans., sent a notice of apparent liability in the amount of \$100 for non-substantive messages, 19.61(a).

*19W9828*, Dr. Elmer Diltz, Columbus, Ohio, license revoked for repeated failure to respond to official notices concerning alleged violation of Section 19.25(c), antenna height.

*20Q1133*, Walter T. Chick, Sr., Auburn, N. Y., license revoked for repeated failure to respond to official notices concerning alleged violation of Section 19.61(a), non-substantive messages.

*ex-20W1705*, Ralph Yago, Pittsburgh, Pa., the FCC denied his petition to review the FCC's decision which revoked his license "for failure to permit inspection of that station."

*KBG3510*, Arthur W. Smith, Teaneck, N. J., sent a notice of apparent liability in the amount of \$100 for violation of Section 19.61(a), non-substantive messages.

*KBG8570*, Craig N. Kleinfeld, Maywood, N. J., sent a notice of apparent liability in the amount of \$100 for repeated and/or willful violations of Rule 19.61(a), non-substantive messages.

*KCC4326*, Paul Schmal, d/b/a Paul's Home Improvements, Atlantic City, N. J.,

was served with a notice of apparent liability in the amount of \$100 for failure to respond to official notices.

*KCF2085*, Walter J. King, Glen Burnie, Md., served with a notice of apparent liability in the amount of \$100 for failure to respond to written official communications from the FCC.

*KCF2087*, Nash Carlisle, Baltimore, Md., served with a notice of apparent liability in the amount of \$100 for failure to respond to official communications.

*KCG3506*, Thomas J. Zimmerman, Mays Landing, N. J., was served with a notice of apparent liability in the amount of \$100 for failure to respond to official notices.

*KCI3719*, Herbert M. Harris, Grantsboro, N. C., served with a notice of apparent liability in the amount of \$100 for failure to respond to official notices.

*KCI6404*, James P. Bryant, Lynchburg, Va., served with a notice of apparent liability in the amount of \$100 for failure to respond to official notices.

*KDB3441*, Junior L. Bowling, d/b/a Bowling Phillips Service Station, Rome, Ga., served notice of apparent liability for forfeiture of \$100 for failure to respond to official notices.

*KDB8001*, Ernest C. Fortenberry, Cleveland, Tenn., served a notice of apparent liability in the amount of \$100 for failure to respond to official notices.

*KDB8733*, Orland Mays Owens, Charleston, S. C., served a notice of apparent liability in the amount of \$100 for violation of Sect. 19.61(a), non-substantive messages.

*KDD0222*, Johnny Tuggle, Atlanta, Ga., served a notice of apparent liability in the amount of \$100 for violation of Sect. 19.61(a), non-substantive messages.

*KDD2652*, J. M. Middlebrooks, Lithia Springs, Ga., served a notice of apparent liability in the amount of \$100 for failure to respond to official notices.

*KDD3329*, Tommy Lewis Green, Atlanta, Ga., served notice of apparent liability in the amount of \$200 for violation of 19.61(a), non-substantive messages, and 19.62, failure to identify station by assigned call.

*KDH1734*, Vincent R. Banville, Sr., Ft. Lauderdale, Fla., his request for cancellation of \$300 forfeiture was denied by the FCC. The forfeiture was given for violations of 19.61(a), nonsubstantive messages; 19.62, improper call sign; and 19.83, false identifica-

tion of transmissions. In turning down Banville's cancellation request the FCC emphasized that the CB rules prohibit "the use of Citizens Radio as a hobby for the transmission of idle, chit-chat type, communications." They then ordered Banville to show cause why his license should not be revoked for the above reasons plus 19.25(c), antenna height; and 19.61(f), overtime transmissions.

*KDI1836*, Richard L. Prefitt, Pinellas Park, Fla., directed to show cause why his license should not be revoked for repeated failure to respond to official notices concerning alleged violation of 19.61(f), overtime transmissions.

*KEB0270*, Bruno F. SangtINETTE, Jr., Metairie, La., sent a notice of apparent liability in the amount of \$100 for failure to respond to official notices.

*KED0622*, Lloyd D. Phillips, Jr., Houston, Tex., license revoked for repeated violations of Section 19.61(f), overtime transmissions. He may reapply for a new license on January 3rd, the Commission said.

*KED1840*, Don E. Bauman, Missouri City, Texas, served with a notice of apparent liability in the amount of \$100 for repeated and/or willful violation of Section 19.61(g), working skip.

*KEE0583*, Frank J. Pasket, South Houston, Tex., given a show cause notice for repeated failure to respond to official notices concerning alleged violation of Sect. 19.61(a), non-substantive messages.

*KEG3474*, Bob Audleman, d/b/a Audleman Auto Service, Inc., Oklahoma City, Okla., served with a notice of apparent liability in the amount of \$100 for failure to respond to written official FCC communications.

*KEG4411*, Robert L. Bonnell, Lawton, Okla., hearings terminated on his notice to show cause why his license should not be revoked for repeated failure to respond to official communications concerning alleged violation of 19.61(a), non-substantive messages; 19.61(f), overtime talking; 19.61(g), working skip; and 19.62 (improper identification).

*KEJ0426*, Sharon K. Flippen, Norwalk, Calif., license revoked for repeated failure to respond to official notices concerning alleged violation of Sect. 19.33 (off frequency operation).

*KEJ1859*, Charles D. Pettis, Las Vegas, Nev., hearings terminated on his show cause

notice for repeated failure to reply to official correspondence concerning alleged violation of Sect. 19.33, off frequency operation.

*KEJ3832*, David L. Morgan, Los Angeles, Calif., served a notice of apparent liability in the amount of \$100 for failing to respond to official notices.

*KEJ4555*, Betty J. Booth, Anaheim, Calif., hearings terminated on her show cause notice concerning alleged violation of Section 303-(n) of the Act and Sect. 19.73, not permitting station inspection; and various other sections of the rules.

*KEJ5570*, Post 170X, Boy Scouts of America, Los Angeles, Calif., given a show cause notice for repeated violation of Section 308-(b) of the Act and Section 1.76.

*KEJ6350*, Edward Holyrod, Norwalk, Calif., served a notice of apparent liability in the amount of \$100 for violation of Sect. 19.61(a), non-substantive messages.

*KEJ6589*, Bob's Auto Service, Long Beach, Calif., hearings terminated on their show cause notice for repeated failure to respond to official notices concerning alleged violation of Sect. 19.61(a), non-substantive messages.

*KFA0557*, Fred E. Kruse, Long Beach, Calif., license revoked for repeated failure to respond to official notices concerning alleged violation of 19.33, off frequency operation.

*KFA0843*, Kenneth L. R. Waterman, Redondo Beach, Calif., served notice of apparent liability for forfeiture of \$100 for failure to respond to official notices.

*KFA1316*, Roger Phillip Grider, Long Beach, Calif., served notice of apparent liability in the amount of \$100 for failing to respond to official notices.

*KFC4477*, Leroy Quillen, Milpitas, Calif., sent a notice of apparent liability in the amount of \$100 for failure to respond to official notices.

*KFC0926*, Don H. Busby, Hillsboro, Oreg., sent a notice of apparent liability for forfeiture of \$100 for repeated and/or willful failure to respond to official notices.

*KG11758*, Robert Hedrick, Kansas City, Mo., served a notice of apparent liability in the amount of \$100 for violation of Sect. 19.61(a), non-substantive messages.

*KG12853*, Charles W. Evans, Kansas City, Mo., imposed with a monetary forfeiture of \$100 for violation of Sect. 19.61(a), non-substantive messages.

*KHA1546*, James R. Crowder, Louisville, Ky., license revoked for repeated violations

of Section 308(b) of the Act and Section 1.76.

**KHH4490**, Jerry Weese, Chillicothe, Ohio, served a notice of apparent liability in the amount of \$100 for failing to respond to written official communications from the FCC.

**KHI5265**, Lester R. Brill, Jr., d/b/a Brill Electronics Co., Allen Park, Mich., served a notice of apparent liability in the amount of \$100 for failing to respond to official notices.

In other Washington FCC news, no word came through late in October on the new CB rules, as had been anticipated. As soon as these rules are issued they will be announced in S9, and subscribers who have stamped, self addressed envelopes in our "FLASH FILE" (see p. 28, Nov. '63 issue) will be given advance notice.

By the way, because of some internal changes at the FCC, there actually is no more "Part 19." Part 19 is now known as "Part 95." The so-called "no license 100 milliwatt hobby CB" kept it's name of Part 15.

The Federal Trade Commission ordered the Western Radio Corp., Kearney, Nebr., to stop misrepresenting the operational range, guarantee and licensing requirements of any of the products which it sells. The company in question manufacturers the "New Magic Walkie Talkie," "Radi-Vox," and "Radio Talkie" units.



## **KBG4303 RIDES AGAIN**

*Continued from page 7*

standards established by them, or whatever.

I said "suppose." It is interesting to note that the so-called ACBA is being run by a self-appointed "Executive Administrator," together with the brother of said "Executive Administrator," plus two cronies of the self-styled "Rajah of CB," at least one of which permits his name to be signed to releases written by "the Boss." This motley crew has already made far too many statements and proposals "in the name of CB'ers" which make us all look like a bunch of meatballs in the eyes of the FCC.

Do you wonder if there might be some point to our comparison between the ARRL and the ACBA (which never misses an opportunity to remind CB'ers that they are the "ARRL of CB"?)

### **RED FACES UNLIMITED**

Rule one of ye olde CB publishing business: "Don't try to fool ye olde readers." Case in point: A letter received here from

Len R. Jelen, KFD2524, of the Stockton (Calif.) CB Club and "SERT."

Len asked us to devote some space on this page to what he feels to be a situation worthy of examination. It seems that a recent issue of CB Horizons, on their "ACBA" page, ran an editorial about how a Stockton, Calif., CB'er dropped by their office and left off an agenda for a meeting which was to be held in Stockton. Of course, as reported in the publication, the agenda showed that the major purpose of the meeting was to discuss the importance of the ACBA. Supposedly the ACBA office manager, one Kenn Bostick, was the person with whom the Stockton CB'er spoke. The incident was reported in the publication over the by-line of Paul W. Thacker, who was, at the time of publication, the President of ACBA.

Now all of this jazz stuck in Len's craw, especially since Len is a member of the one and only CB club in Stockton. There never was such a meeting, none was even planned for the date mentioned, and none of the members of the Stockton club are even remotely interested in joining the ACBA. Len wondered how and why this story came to appear, especially since it never mentioned the name or callsign of the "Stockton CB'er" who made the supposed visit. The club eventually wrote to the ACBA and CB Horizons for clarification and an explanation of the story. No answer was received. Len, as an individual club member, also wrote and received no reply. Len then wrote to us for advice—needless to say, he and the rest of the Stockton gang are more than mildly peeved.

We can deduce several things from the chain of events. First: there never was a CB'er from Stockton, or anywhere else, who left a club meeting agenda at ACBA headquarters, it was just a means of trying to make it *look* like a club was actually going to consider joining ACBA. Second: There is no such person as Kenn C. Bostick, it is the assumed name of Kenn B. Cooper (12Q2817), brother of the ACBA's self-appointed "Executive Administrator." Third, Paul Thacker didn't really write the incident to begin with. It was "ghost written" by Bob Cooper, ACBA's sultan, and brother of the semi-fictitious Mr. Bostick.

In other words Len, a phantom stopped by the ACBA office, handed in an agenda of a meeting which never was to take place, spoke to a person whose name doesn't really exist; and the incident was reported by someone who didn't write about it.

Hope that straightens you out, Len. OK?



## ANTENNAS

*Continued from page 39*

or drift in tuning. When the transmitter is modulated properly there will be an upward kick of the meter. Thus you will be checking your modulation simultaneously. This will help you maintain a higher average modulation percentage and will also give you an immediate indication of any decline in your modulation capability.

If the instrument can be used for monitoring it can also be used for tune-up as well. Such an instrument gives you a positive indication of radiated power output. Thus the tune and load adjustments of your transmitter can be made very carefully for a maximum output. In many instances this is better than using an SWR meter for obtaining maximum output.

It also gives you a fine indication of modulation, and, if desired, you can calibrate your meter scale so that a specific deflection will indicate 100 percent modulation. Such a calibration point can be set up by using an oscilloscope or some other type of modulation meter to find the 100 percent level.

If your antenna is tunable and/or includes a matching section this type of instrument is very helpful in obtaining the best match and a maximum output. The results of any antenna system changes will be indicated immediately.

Such an indicator is very useful in checking out beam antennas. If it is positioned at a fixed spot and your beam antenna is rotated, it is capable of reading out a useful although not exact antenna pattern. It will certainly give you an indication of your directional lobes and front-to-back performance.

In summary, you will find a small remote RF indicator very useful in almost any type of two-way radio station. It can also be used on the bench as an RF indicator. Positioned at the other end of the bench it can serve as a useful RF indicator. It can also serve as a sensitive indicator of very weak RF voltages. In this application a short-length of coaxial cable can be connected between its antenna receptacle and the output of the weak RF signal source.



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STOPPED TALKING TO ME.



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## ON THE COUNTERS

*Continued from page 35*

300 West 43rd Street, New York, N. Y. 10036. By the way, there is a limited supply of black and white small Part 15 maps for 10¢ each.

# S9 Lab

# Reports

## KNIGHT STAR ROAMER



The Knight-Kit *Star Roamer* is a receiver which covers the frequency range of 200 kc/s to 30 mc/s—this includes weather broadcasts, standard and shortwave broadcasting, five ham bands and the Citizens Band. An attractively styled kit, the set, which sells for \$39.95, offers the radio newcomer a chance to build something actually useful in about 10 to 15 leisure hours.

The *Star Roamer* is a 4 tube set using a 6BE6 converter, 6HR6 IF amplifier, 12AX7 audio amplifier, and 6AK6 audio output. In other words, it's a superhet—and it features a switchable series diode noise limiter.

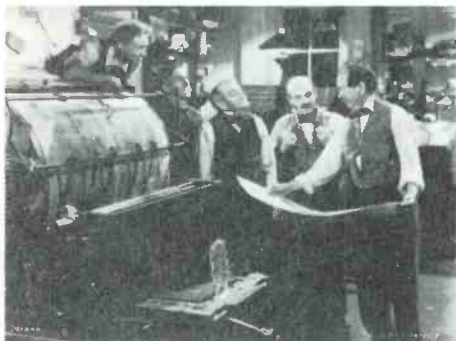
Actually a flexible unit, it features a switch which cuts the AVC circuit in an out of the circuit, an antenna trimmer to keep the circuits in resonance over the entire tuning range, an S-meter, a bandspread for "fine tuning," a headphone jack and a built in broadcast band antenna. The IF frequency is 455 kc/s and offers a selectivity of 8 kc/s

# CB'ers!

## BE AN EDITOR!

### IMMEDIATE OPENINGS!

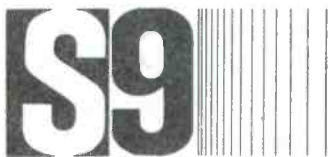
### NO EXPERIENCE NECESSARY!



Wouldn't you like to be an editor; wear horn rimmed glasses, pin-striped shirts and like that? You can become one easier than you might imagine—not only that, you can become an editor of the nation's largest selling and most popular CB publication, S9/the citizens band journal. Now, this is an honor and to keep the riff-raff out we ask that you send us only \$5. Upon receipt of same, we will promptly send you your do-it-yourself S9 Editor kit which consists of: Official S9 PRESS card; big, lavish, lithographed monochrome wall certificate, and on or near the first day of each of the next 12 months you will receive (at no additional cost) your Editor's copy of S9 for your comments. Your duties will consist of reading S9 from cover to cover, having a ball with our articles, and commenting to all and sundry about the merits of "your" publication.

Join us! Mark the word "Editor" on the postage-free envelope between pages 48 and 49, slip in your editorial fee and rush it to our offices.

Act now—this unique offer for a limited time only!



300 West 43rd Street New York 36, N. Y.

(6 DB down). Sensitivity is rated at 10 uv for 10 DB signal to noise ratio.

Putting the *Star Roamer* together is a cinch, Knight covers the subject most adequately in their 36 page instruction book which even tells you how to solder.

Of course, it's very difficult to explain the wonderment of listening to shortwave to someone who hasn't tried it, but since the set worked the first time out we had the shock of listening to the news (in English) from Lisbon, Berlin, and Moscow. The next morning we listened to Radio Australia with a pop music program. On CB the set isn't as sensitive as a regular CB receiver, however there was no problem in tuning all the stations in the area, and separating them with the bandspread control.

For the low price, the relatively short construction time, and the different things which can be done with the *Star Roamer*, we suggest that you might consider it for branching out of CB to see what's going on elsewhere in the radio spectrum. It's really a lot of set for the price.

Further information on the *Star Roamer* can be obtained from Allied Radio, Dept. S9, 100 North Western Avenue, Chicago 80, Ill.

Preserve your copies of **S9** conveniently and economically in attractive easy-to-handle binder. Holds 12 issues.

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## 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.

Quality QSL's—New Low Prices. Samples 10¢, 25¢, 50¢. Savory, 172 Roosevelt, Weymouth, Mass.

**CB LOG BOOKS**—50 pages BIG, loads of entries per page, space for all needed information. This is THE ORIGINAL CB log book—best seller since 1960. Only \$1 postpaid. Harwood, 1536 Lexington Avenue, New York 29, N. Y. (limited supply at this price)

UNWANTED CB gear kicking around your CB shack? Everybody has some! Turn it into fast cash with an inexpensive (10¢ per word, no minimum) S9 classified ad which will be read by more CB'ers than an ad placed anywhere else at any price. You'll probably be deluged with checks. Closing dates on the 15th of the 2nd month preceding date of publication.

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

**Q-STAMPS NOW \$1.50!** Postage stamp size photographs for CBLs! 50 Large or Small \$1.50 per gummed-backed, perforated sheet. **FREE SAMPLES!** Q-STAMPS, Box 149, Dept. 5-A, Gary, Indiana.

1964 QSL Catalogue. New designs. 10¢. Longbrook, Box 393-X, Quakertown, N. J.

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**ATTRACTIVE CB QSL's**—New Styles, Quality Stock, Samples 10¢. Sunset Print Shop, Walpole, N. H.

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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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WITH NEW **LINEAR R.F. AMPLIFIER**

**STRONGER  
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Parts: 10 - 11 - 16

**150 WATTS INPUT  
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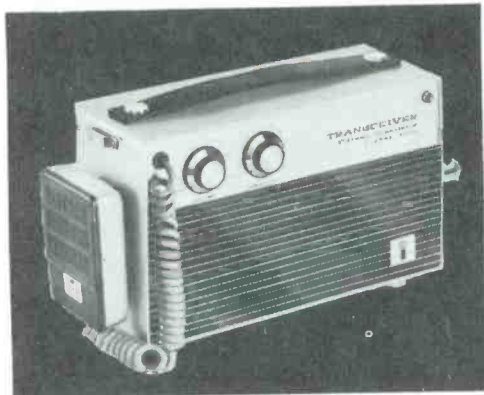
You can cover greater distances with increased transmit power. Use a BR-20, or a similar 1-10 watt output to drive the BR-21. Designed for top performance and dependable service when you need it. This power packed matching BR-21 has features to spare: 1-10 watts R.F. to operate • automatic standby/transmit keying (no extra cables needed) • covers entire 25-50 MC range • Forced air cooled for continuous duty • Weight, 12 lbs. • Size: 4 3/4" x 8 3/4" x 10 3/4"

**BR-21 Complete with interconnecting co-axial cable and connector, 117 VAC \$159.50**

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Same prices as above for Amateur 10 and 6 meter band

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## CB TRANSCEIVER

A superior, dependable transceiver for short range communication, the new 1-channel crystal controlled Cipher 1000 is a lightweight 1-watt, fully transistorized (15 transistors) CB unit. Powered by 12 "D" cell batteries (approx. 120 hour life), it can transmit up to 6 miles. Features include press-to-talk and on-off switches; squelch and volume controls; jacks for earphone, ground and external antenna. Housed in rugged, all-metal case. Price is complete with palm size mike, whip antenna and handle and shoulder strap. **\$ 129<sup>95</sup>**

### SPECIFICATIONS

**Output:** 1 watt (according to FCC measurement method)

**Power source:** 12 "D" cells (120 hours)

**Receiving system:** Superheterodyne

**IF frequency:** 455 kc

**Frequency tolerance:** Within 0.005%

**Selectivity:** Less than 6 db down at 10 kc

**Sensitivity:** 1 mv at 1 kc, 30% modulation

**Modulation percentage:** More than 95% at 1 kc

**Oscillators:** Crystal controlled

**Distortion:** Less than 10% at 70% modulation with 1,000 cps.

**Dimensions:** 9½" W x 5½" H x 3¼" D

**Weight:** 7 lbs.

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

Ideal CB Service Instruments. Tripplett % Modulation Meter, 5 watt 50 ohm dummy and Ferris 18-C Microvolter connected to CB Band only. All Three \$50.00 FOB Chicago, Ill. Fritz Franke, 919 Ridge Court, Evanston, Ill.

CANADIAN CB call area maps in 2 blinding colors on high quality paper—only 25¢. Get both the Canadian map and the 35¢ 3 color U.S. maps for only 50¢. Order now, supply limited. Order from: Wall Certificate, S9 Magazine, 300 West 43rd St., New York, N. Y. 10036.

CB QSL's—BROWNIE W3CJ1/3W1974. 3111D Lehigh, Allentown, Pa. 18103. Catalogue with samples 25¢.

Picture of yourself, home, equipment etc., on CB—QSL's made from your photograph. 250-\$7.50 or 500-\$10.00 postpaid. Samples free. Write to Picture Cards, 129 Copeland, LaCrosse, Wis.

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

CARDSWAPPER NEEDS CARDS—100% swap on all cards. Need 13th, 14th, 15th & 16th call areas, Alaska, Hawaii and Puerto Rico. Foreign QSL's most welcome. Jim Cross, KCF0823, 755, S. Potomac St., Hagerstown, Md. 21740.

50 STATE QSL's—plus three foreign \$1.50. New Sets Monthly. Peggy, 414 Geary, Owensboro, Kentucky.

\$1.49 BUYS AMAZING NEW TOOL. 2" curved lucite tip bends light from pocket flash enabling instant inspection of tubes, sockets, resistors, etc., 101 uses! Complete with batteries. Satisfaction guaranteed. Mail to LuLight, Box 212, Glendale, California.

CALL CARDS—BADGES—DECALS—"GOODIES." ILLUSTRATED LITERATURE WITH SAMPLES 25¢. 1W6216 % Errol Engraving, Westfield, Mass.

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, Calif.

New HI-GAINER, tremendous penetration, BIG sound audio punch. Highest quality fully transistorized audio-compressor-clipper and amplifier. Chrome plated case. Ready to use. FREE Literature. \$22.95 postpaid. Dealer Inquiries Invited. CONTROL LABS, 123 Avenue U., Brooklyn, N. Y.



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**CB'ers—Our easy-do Dual Conversion adapter kit** improves selectivity, increases sensitivity. Often copied but never duplicated. For HE-15, A, B; 800; 910, A, B, C; Mark VII; 770, 1, 2; Messenger; GW-10 etc. \$15.50, with tubes \$17.50. Also, Speech Clipper-kit complete \$17.85 or \$5.00 deposit plus COD. Results! Not promises. There is a difference. Free literature Dept. #12S, Bainbridge Radio Electronics, 2839 Briggs Avenue, New York 58, N. Y.

**CB WALLPAPER—100 Glossy Cards** Printed Red and Black, Postpaid \$1.95. Samples 10¢. Darling Printing, Owensboro, Kentucky.

**TNS MOBILE NOISE ELIMINATOR—No Coils,** uses 6AL5-12AX7! Schematics, parts list, step-by-step instructions \$1:00. FRANKEL, Box A-143, Wantagh, New York.

**CB QSL SWL Cards** that are different. Quality Card Stock. Samples 10¢. Home Print, 2416 Elmo, Hamilton, Ohio.

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