

S9

the citizens band journal

An S9 Exclusive Flash!

FCG ANNOUNCES ALL NEW PREFIXES

Page 14



In This Issue =

CB ON GUAM
ADD EARPHONES
NOVEL MOBILE DX IDEA

23 CRYSTAL CONTROLLED CHANNELS



THE NEW EXECUTIVE 750

Discover new operating performance with International's Executive 750 citizens band transceiver. Turn the illuminated Channel Selector dial . . . transmit and receive on any one of 23 crystal controlled channels.

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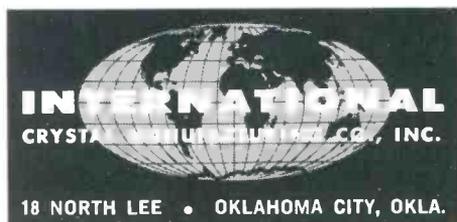
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the citizens band journal

Vol. 4, No. 3

S. R. COWAN, KBI7182, PUBLISHER

March, 1964

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FEATURES

Table listing features such as 'Lost Horizon', 'Guam Island Calling on 11 Meters', 'FCC ANNOUNCES ALL NEW CB PREFIXES', etc., with author names and page numbers.

DEPARTMENTS

STAFF

Table listing departments such as 'Reader Mail', 'Editorial/Tom Kneitel, KBG4303', 'On The Counters', etc., with page numbers.

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READER MAIL

MORE ON ACBA

To all ACBA members:

As Charter member #146, I have always felt that all of us should have the right to a periodic accounting of how our dollars are being spent. It seems strange to me that the original bylaws, officers and aims of our association should be radically changed without the vote, knowledge, or consent of all members, therefore, I have taken the liberty on behalf of my fellow members to request a financial statement through the United States Postal Inspectors office, under laws covering funds solicited by mail. Not having received any correspondence from ACBA, I feel that the time has come for all of us to learn whether or not to continue our efforts towards the growth of an organization that may or may not be representing all of us. I must assume that the collection of monies from dues, sales of pins, decals, red shirts, etc. must be considerable and should not be concealed from members.

I have not been able to learn anything regarding the present operation of ACBA other than the club's post office box number is registered to Bob Cooper of Oklahoma City, Okla. I became further confused when I obtained letters written on ACBA letterhead which were signed "B. Cabot, Legal Advisor." I can find no mention of a legal advisor by this name in the articles of incorporation. I have been told that B. Cabot is, in fact, Mrs. R. Cooper, but until now cannot get an answer one way or another from Mr. Cooper.

Due to this cloud of mystery surrounding ACBA in its present status, I feel obligated to request and accept the findings of the only unbiased source I know, namely the U.S. Postal Inspector. I hope that the report is favorable in order that we may all continue to work together for the benefit of CB. It will also be interesting to learn if the so-called office of "Administrator" has been assumed for our benefit or as a commercial venture.

Charles Messenger, KFA9236
Burbank, Calif.

Readers will recognize that Mr. Messenger is the Chief Engineer of the General Radiotelephone Company of Burbank, Calif., he is an industry leader and one of the original boosters of the ACBA.

Sirs,

I think I'm a member of the ACBA, as of now I'm not quite sure.

About two months ago I sent in my application and my dollar to the ACBA through a friend. I have not received any information concerning my application, I didn't really know what the ACBA

was. I was curious and perhaps a little hasty. Now that I have found out, I want my money back!

I am not writing to you in hopes that you will send me my money, but I feel you would help me if you could. I am sure that there must be a few hundred other CB'ers who would like to get their money back too.

To put it bluntly, I feel that I have been "taken" for a dollar and I want it back.

Jimmie L. Burns, KHD4097
Attica, Ind.

Tom:

I'm a member of ACBA (a wasted buck). I was high-pressured into joining it at a CB jamboree. This was a waste of time and money. I think that they are nothing but a bunch of blow-hards.

Burt Porter, KHC8002
Connersville, Ind.

Mr. Kneitel:

I hardly believe that any group of people could be as terrible as you have tried to paint a picture of the ACBA.

Jimmie E. Waddell,
Flint, Mich.

Tommy,

Looks like you aren't the only one finding out the truth about the ACBA, they are getting their lumps from all angles now.

C. L. Riecke III, 6W0652
Johns Island, S. C.

PART 15 COMMENT

Dear Tom:

We were amused at the juvenile comments in Reader Mail for January, when two Ham operators condemned Part 15 operation. Their sour grapes attitude is really laughable. We have four Part 15 rigs (EXECUTIVE 1500's from International Crystal) in Paw Paw and three are used in conjunction with our Ham rigs, and we really have a ball on Part 15. Our calls are CENTRAL 1826, CENTRAL 1850, and CENTRAL 857.

Al Mann, 19A6750/WA8BGU
Paw Paw, Mich.

Tom:

Funny, with all the skip that has been in, I never hear them (Part 15 stations). Could it be they can't talk over 3 blocks?

Irvin Hemmle
Fort Worth, Tex.

Perhaps Mr. Hemmle should listen harder. Last summer we heard 4 states on Channel A during a band opening and a number of readers have reported similar results. The experimental P-15 stations which International Crystal established last summer drew reception reports from great distances.

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is UNCONDITIONALLY GUARANTEED

Unconditional Guarantee is proof of the maker's absolute confidence in his product . . . and PR Crystals have been UNCONDITIONALLY GUARANTEED SINCE 1934. You're not taking the slightest chance when you put PRs in your transceiver, for you'll have the finest radio frequency control that money can buy! PR Crystals are made to PERFORM . . . under good conditions and bad. They have that extra measure of stability and dependability BUILT-IN, that guarantees years of outstanding performance. PRs are high-active crystals, they give you the strongest signal possible within power limits. That is VITAL in CB radio, for you get greater distance, clearer reception, maximum efficiency. Order several sets of PRs today . . . then you can switch channels at will.

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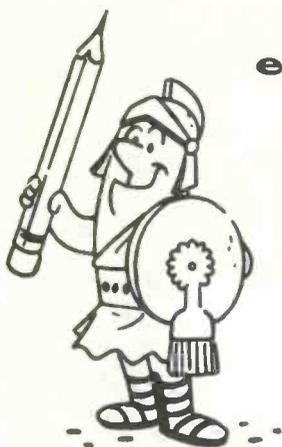
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Special AOC case for mounting filter plates.
Contains case hardware and input-output terminals. **\$5.50**

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editorial

KBG4303 rides again!

by TOM KNEITEL
EDITOR, S9

LOST HORIZONS

This month finds the CB scene somewhat changed—it finds S9 in the apparent position (for the first time) of being the only established national publication for CB operators.

We long ago blew out the candle we had lit in the window waiting for the mailman to show up with a copy of 10-4 Magazine. Nobody has seen hide nor hair of a current issue since last August.

Now, we hear through numerous industry sources, that CB Horizons Magazine (of Oklahoma City) has discontinued publication, effective with the January issue. As some of you may know, yours truly was the first Editor of CB Horizons. It's passing, therefore, caused us to reflect a moment on the somewhat turbulent history of the publication.

It is our opinion that a major factor in the demise of CBH was the formation of the so-called American Citizens Band Association. This attempt at a national CB organization was the brain-child of Horizons published Bob Cooper, and it would seem that Bob's eagerness to get members for the club was more of a thorn than a bed of roses for CBH. First, CBH had to blast both the FCC and its officials to aid in creating a "reason" for the ACBA to exist. Once CBH had established that the "rights" of CB'ers were in grave peril, it seemed a simple task to then line them all up and ask them to part with a dollar to support an organization which was going to defend their rights. Once some interest had been shown in the ACBA by a few readers who were stampeded into panic by the CB Horizons editorial policies, the prospect of additional revenues from the members seemed too good a possibility to pass up—so onto the market came ACBA shirts, decals, lapel buttons, etc., etc.

What eventually happened was that these greedy efforts for revenue earned CB Horizons a reputation with many of its readers as being constantly poised to separate them from their hard earned shekles—taking more than it was giving in return. The whole situation went from bad to worse, and to keep the readers in constant fear that their "rights" were hanging in the balance, the CBH/ACBA editorial attacks on the FCC (and Ivan Loucks, in particular) were stepped up to the point of being outlandish.

Many CB'ers eventually got wise to what was going on, especially when Cooper established himself as the head of ACBA and ran it as if it were a one man organization. As reported recently in S9, Cooper was disassociated from the Editorship of CB Horizons and left to be "Administrator of ACBA." CB Horizons then attempted to reverse gears and undo some of the damage, but it was already too late. The rest is now history.

Of course, the *real* injured parties to the whole incident are the CB'ers who had ordered the Horizons' callbooks, subscriptions and other items. They now face great odds in having their money refunded.

Looking back to the days when S9 started publication, in 1962, we see that there were a full EIGHT monthly CB publications being distributed on a national scale (see P. 7, November, '63 issue of S9 for a trip down the CB publishing memory lane). Today there remains only one, S9. Hindsight, of course, is an expensive luxury—and examining the various reasons for the downfall of the respective publications is quite a bit easier now than it was while they were still around. We at S9, however, have spent considerable time and effort in marketing research to determine *wha hoppen* with the "unfortunate seven."

Continued on page 57



LOOK CLOSE!

NOTICE A FAMILY RESEMBLANCE?

Perhaps not. But then Hammarlund's CB-6 is different.

Now—the world's most quality-conscious manufacturer of Amateur and SWL communications equipment has come up with the right unit for Commercial/Industrial CB Communications. Here is a rugged six-channel CB transceiver that has been built to take the pounding, jolts, and hard general usage found in heavy construction equipment—and still maintain outstanding sensitivity and 4 KC selectivity. Power output better than 3 watts.

This dual conversion superheterodyne transceiver has what it takes for professional quality transmit/receive ■ Built-in power supply ■ ± 3 KC microfine vernier tuning ■ Optimum sensitivity and selectivity ■ dual-diode series-type noise limiter ■ Sensitive, positive-acting squelch.

Judge for yourself. See it at your nearest Hammarlund distributor or mail in the attached coupon for complete descriptive and technical data.

\$179.50

Includes mobile mounting bracket and P.T.T. microphone



HQ-100A — Single conversion top performance general coverage SWL and Ham receiver. **\$189.00**



HQ-145X — Dual Conversion general coverage SWL and Ham receiver with single crystal controlled channel. **\$279.00**



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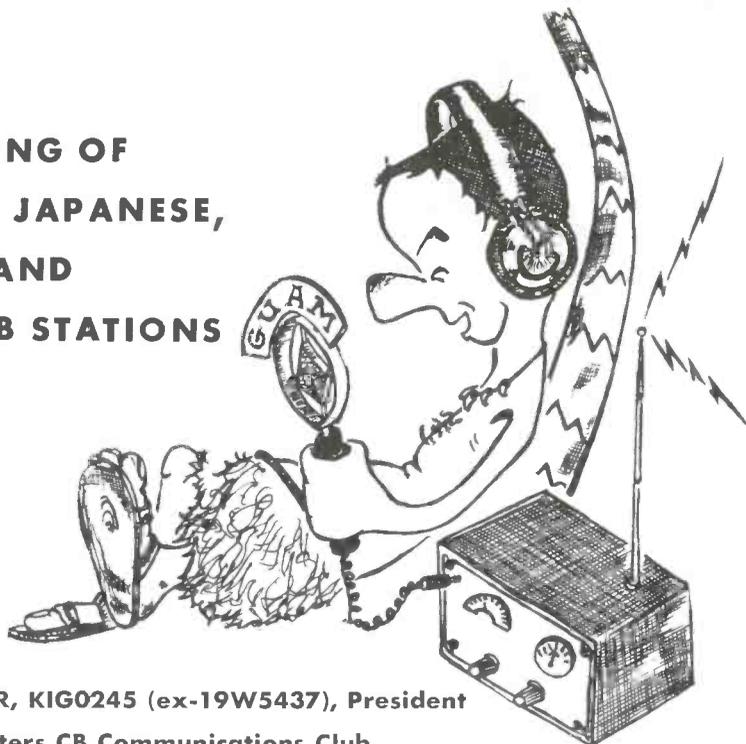
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GUAM CALLING ON 11 METERS

**GUAM CB'ERS
THINK NOTHING OF
MONITORING JAPANESE,
VIETNAMESE AND
PHILIPPINE CB STATIONS**



by **E. A. "ART" KALER, KIG0245 (ex-19W5437), President**

Guam 5 Watters CB Communications Club

You will probably be surprised to learn that there's a swarm of very active CB'ers located more than 6,000 miles from the continental United States. Yes, the Territory of Guam is the center of this activity—and Guam is a 14 hour flight from San Francisco or Los Angeles (not including the stopover time in Hawaii). Since Guam is on the other side of the International line, it's a funny feeling when the band opens for skip and we hear the west coast CB'ers talking on Sunday—because it's Monday here!

There are about a dozen of us on CB here, plus a few additional "commercial users" (taxi companies, mainly). The potential for CB, however, is unlimited because many of Guam's residents have expressed an interest in the benefits of CB.

The active CB'ers on the island have recently formed a CB club, known as *The Guam Five Watters CB Communications*

Club, of which the author is President. Other officers are Daniel J. Pereira, KIJ-0381, Vice President; Joseph M. Benson (call pending), Secretary and Treasurer; the Board of Directors is: Herman C. S. Fong, 21W0170; Ernest V. Sampson, 21Q0027; and Frank R. Scofield, 21Q0030. All of the officers of the club use CB in conjunction with their businesses in addition to their personal use of the service. Channel 12 is monitored 24 hours a day by Director Sampson, who acts as a relay center for the club members and others who are out of range with their base stations, or who want a land line call placed while they are mobile.

This monitoring service really paid off recently when the car of one of the members caught on fire. Mr. Sampson immediately dispatched a fire truck (via a land line call to the Fire Department). Within 10 minutes the fire was extinguished.



Say, all you non-subscribers, have you been noticing any strange pains lately? I'll bet you have been wondering what was happening. Here is the inside story.

S9 has gotten a splendid buy on a group of genuine voo-doo dolls from Haiti, complete with special pins. We are setting them up as fast as we can with the call signs of non-subscribers on them and fiendishly pushing pins through particularly painful spots every other day or so. I'll bet you thought that was lumbago hitting you. Heh, heh, heh. We will take the call signs off the dolls as the subscriptions come in, so why take a chance? Get that little old check book out and be generous. Keep our editor from having to eat lunch at the Greasy Spoon Diner. Use postage-paid envelope towards the rear of this issue.

S9

300 W. 43rd St.,
New York, N. Y.
10036

CB has proven most helpful during typhoons. During "Typhoon Karen" in November, 1962, when 212 mile per hour winds knocked out all regular communications facilities, the author used a mobile rig to work his base station, which consisted of a 100 milliwatt Part 15 unit connected to a hastily improvised outside wire antenna. Several other members used portable whip antennas and battery power. Battery power again proved itself during "Typhoon Olive," in April, 1963, which packed 118 mile-per-hour winds. To conserve power, we used our radios to check in only once per hour unless we were otherwise engaged in a specific emergency communications transmission. Mr. Sampson was the coordinator and he didn't leave his rig during the entire emergency, which lasted for several days.

Other than channel 12, which is the "club" channel, the taxi companies use channels 15, 18, and 22. The result of this is that Guam is probably the only place in CB Land where the great majority of the channels are unoccupied—it's really a paradise. This rather unique situation will probably change, however, as more and more of Guam's residents get on the air. By the way, Guam has 35,000 civilians plus a large compliment of military personnel.

DX REALLY ROLLS IN

The place is alive with DX every time there is a band opening, allowing us to monitor stations which are probably never heard on the U.S. mainland. Stations in Japan blast through on channel 12. Viet Nam comes through regularly on 13. The U.S. islands of Wake and Kwajalein pop up on channel 4 from time to time. Channel 4 is also used by the stations in the Philippine Islands and the two "regulars" on the channel are stations with the calls DZB56 and DZB57, located in Manila. Of all things, a TV station in Manila is heard using channel 11.

Stations from the southeastern part of the U.S. come through from time to time, and, surprisingly enough, California stations are heard less frequently than some of the more distant states.

Although small in number, we feel that CB'ers in Guam are realizing maximum benefit from our 5 watt units, as permitted by FCC regulations. We are confident that the activities of our newly formed club will serve to enhance and improve the usefulness and proper utilization of CB on this little island located in the vast reaches of the vast Pacific Ocean.

S9

CB SCOOP of the YEAR! ▶

THE *Fabulous* NEW LAFAYETTE DELUXE "RANGE BOOST" 23 CHANNEL CRYSTAL CONTROLLED CB TRANSCEIVER MODEL HB-333 with New Double Sideband 100% Full Modulated Carrier



Made
in USA

209⁵⁰

\$21 down
As little as
\$10 Monthly

LOOK AT THESE OUTSTANDING FEATURES



1. Illuminated 'S' Meter Indicates Signal Strength and Relative Power Output
2. Push-to-Talk Noise Cancelling Ceramic Microphone for advanced Electronic Switching Circuitry
3. Variable Floating Series Gate Noise Limiter
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5. Range Boost ON-OFF
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With the HB-333 Lafayette advances CB transmission to a new high. Try it yourself and you'll know why it welcomes comparison.

- ★ 23 Channel Crystal Controlled Transmit and Receive Circuit—All Crystals Supplied!
- ★ "Range Boost" Ensures 100% Modulated Double Sideband with Full Carrier At All Voice Levels — Plus — Dependable AVC, Noise Suppression, Squelch and Excellent Voice Recovery All The Way Out to Maximum Range!
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- ★ 2 Nuvistors (RF and Mixer Stages) Plus 11 Tubes, 4 Silicon Diodes, and 1 Zener Diode!

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\$14.00 Down

As Little As
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Model HB-111

Made in U.S.A.



LAFAYETTE HE-20C DELUXE C.B. TRANSCEIVER

109⁵⁰

\$11.00 Down
\$9.00 Monthly

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Made in U.S.A.

- 8 Crystal Receive Positions, 8 Crystal Transmit Positions
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- Built-in 12 or 6-Volt Power Supply
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LAFAYETTE 23-CHANNEL CRYSTAL-CONTROLLED C.B. TRANSCEIVER

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



HB-222

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\$19.00 Down
As Little As
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LAFAYETTE HB-115 PUSH-TO-TALK C.B. TRANSCEIVER



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HB-115

- 8 Crystal-Controlled Transmit Positions
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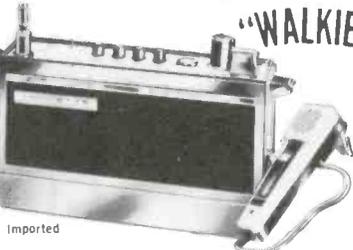
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"WALKIE TALKIE"

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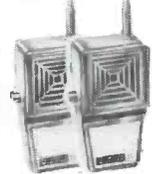
- Lightweight, Compact . . . Self-Contained with Leather Case and Shoulder Strap

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

FOR THE YOUNGSTERS
NEW! HA-70 3 TRANSISTOR

"WALKIE TALKIE"

Imported



2 for 21.00

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- Range Up to 1/4 Mile
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COVER STORY

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FCC ANNOUNCES ALL NEW

CB

PREFIXES

In a surprise move the FCC announced that when they transferred their license processing to machines they would institute a whole new series of CB prefixes, as of about the first week in February. Inasmuch as they had already announced their 1964 CB prefix assignments, this means that the previously announced 1964 prefixes will be assigned for only about 1 month when they are dropped in favor of the new prefixes.

The map on our front cover this month shows the new assignments (they all begin with "KK" or "KL"), together with all other prefix assignments for each call area. Note that in the 5th, 11th, 18th, 19th and 20th call areas, the FCC "ran out" of assignable callsigns for their previously announced 1963 prefixes and they assigned supplementary prefixes late in 1963. These are also indicated on our map.

Three-color reprints of this *revised* map have just been issued by S9. These are printed on high quality heavy paper, suitable for framing. They are 35¢ each (coins or stamps only) from: Wall Certificates, S9 Magazine, 300 West 43rd St., New York, N. Y. 10036. Immediate delivery.



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Adding Earphones to Your Transceiver



BY JIM KYLE, KEG3382

Though there's no privacy on the Citizens' Band (not with several hundred thousand licensees crammed into 23 channels) still it's nice sometimes to have a bit of privacy in the shack, especially when talking to a cute YL when the better half's also in the room!

For such occasions—as well as many other less explosive situations—a set of earphones which cut out the receiver's speaker can be real handy. Fortunately, they take only a few minutes to install in any rig.

You'll need a set of phones, which can be anything from army surplus to the latest lightweight hearing-aid types, a PL-55 (standard) phone plug if the phones don't already have one on the end of their cord, and a closed-circuit phone jack (Lafayette MS-454). Tools required at a 3/8-inch drill to drill a hole for the jack, a pair of wire-cutters, and a soldering iron.

Drill the 3/8-inch hole for the jack at any convenient position, either on the front panel or on the rear. Then cut the wire from the output transformer to the speaker and connect it to the jack as shown in the schematic. An added refinement would be a 10-ohm 2-watt resistor connected as shown in dotted lines, but it's not really necessary. Its function is to protect the output transformer in case a loud signal comes along at the exact instant the phones are being plugged or unplugged.

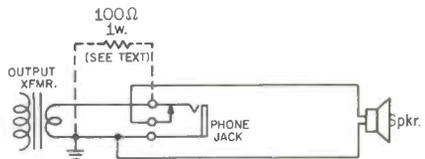


Fig. 1. Schematic diagram of earphone hookup for any transceiver. If speaker leads are both ungrounded, insulate phone jack from ground and ignore ground connections shown.

Now, when the phones are plugged into the jack the speaker is automatically disconnected and the sound goes to the phones instead. In virtually all cases you'll have more than enough volume for the phones; most often, you'll have so much you'll have to turn the volume control way down. There's no worry about matching to the phones, since an excess of power is available.

The same hookup can be used to feed the output of your transceiver into a public-address system for paging or for covering a large area (such as a disaster hookup). To do this, take an additional phone plug and hook a .01-mf capacitor in series with its "tip" contact. Then wire mike cable from the PA system input to the free end of the capacitor, with the shield going to the plug's "shell" contact, and plug the cable into the equipment. Adjust volume with the transceiver volume control, using the PA system control only as a fine adjustment.

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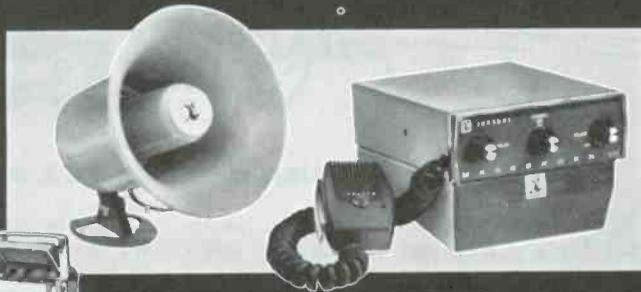
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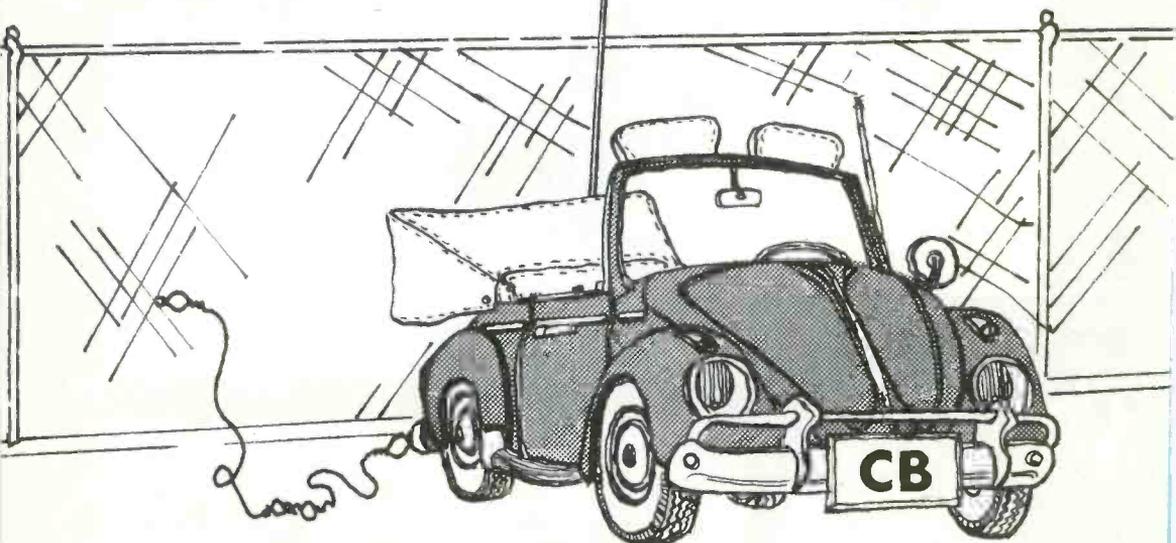
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The Great Brooklyn-Bronx DX Festival



by JULIAN M. SIENKIEWICZ, 2W5115

"Cold winter roads and highways are no place for a CB'er and his faithful VW—especially when the temperature drops to below freezing," said Frank as he nosed his buggy into the supermarket parking lot. Today is the big day, for Frank plans to bombard his brother in the Bronx (16 miles away over choppy Brooklyn-Queen's skyline) from southwest Brooklyn. And *bombard* is the word for Frank wants a "20 over S-9" report while putting out a legal "5-watts" signal. New York CB'ers will tell you this is no easy trick.

The parking lot is a good spot because it is wide open on Sundays and it's located right behind Charlie's garage. And Charlie offered his 100-foot extension cord to supply the 115-volt a.c. power. Through a hole

in the fence, the line connected the a.c. outlet near Charlie's car lift to Frank's CB set in the VW. Charlie was not being kind—he was being practical. The last time Frank operated "mobile" from a parking lot, Charlie had to push the VW to get it started. You can't do much with 6 volts from your car battery when it's rated at 12 volts.

Frank hummed "Frere Jacques" as he began to set up the test site. First he turned on the rig and made a local contact to his base in order to check his signal. Next, Frank connected his SWR meter and homebrew S-9 r.f. power meter into the coax antenna line. A bit of tuning was required to bring the soup up to snuff. Now Frank pulled out a tape measure and marked off with chalk a distance approximately one

half-wave length from the parking lot's hurricane fence—a 12-foot high wire and steel post fence that ran the length of the parking lot. “Man-o-man, what a reflecting plane,” Frank said aloud as he backed the VW over the chalk mark. Frank’s whip was now mounted on the VW’s rear bumper roof, so he had to get out of the *bug* and push it back to the exact spot which was now under the car.

Frank tuned in channel 14 to listen in on a cab company up in the Bronx. They were coming in loud and clear. Frank jockeyed the VW back and forth with an eye on the S-meter. He was adjusting the distance between the whip and the fence reflector for best signal results, and humming “Frere Jacques” so loud that he did not hear his landlord and arch-enemy, Robert Ubermyer, walk up from behind.

“Trying to contact our Canadian friends, Francis, or are you going to bounce one off the moon?”

Frank stood up quickly in the VW only to bang his head on the windshield. “Uh, hello Mr. Ubermyer.”

“Drop that Mr. Ubermyer stuff, Francis. I got my CB ticket this past week. Just call me *Sir* now.” It was amazing how Ubermyer could talk and sneer so hard at the same time.

Frank suddenly felt chilled, but went ahead with his pre-arranged contact on channel 20. Reception was top notch but he only received a “10 over S-9” report. From the two-way conversation, Ubermyer gathered what Frank was up to and his eyes sparkled with the jibes he was preparing in his mind. Frank was thinking fast and muttered, “20 over S-9, or *bust!*”

Then like a bolt from the blue with that old spirit of “never say die,” Frank’s mind jumped into high gear. “Why not give it a try?” he shouted as he hopped out of the car. Up went the hood of the VW and out came a pair of battery jumper cables. Frank connected the cables end-to-end, and then connected one end to the bumper and the other end to the wire fence. Now the VW was grounded to the earth and reflecting plane.

Wham! The Bronx station reported back with a pinned S-meter which was worth 50 over S-9 with more to spare. Even ol’ Ubermyer grinned at this world shattering CB achievement, but the grin on his face became bigger as he said to Frank, “Good job, Francis, but I just know you’re going to louse it all up before the day is over.”

Continued on page 60

TOP
SECRET

This is a message to all those shady characters who get their pudgy hands on S9 without going through the formality of entering our subscription rosters. Sure we know about you. We have our agents around reporting on the dregs of humanity who sneak into their friends’ homes and read S9. And those so-called CB “big wheels” who browse free looks at S9 at their local CB shop. Or maybe you are brazen enough to actually sneak away a copy which belongs to a friend. Some friend you are . . . too cheap to get your own library of S9’s. I’ll bet you know what the gang says about you when you leave.

What say fellows . . . here it is 1964 . . . the end of winter, why not hold your head up with your fellow man. Face the world squarely. Fill out that little old subscription envelope hidden away in the rear of this issue and get the feeling of belonging. Dash out a check or money order and give us the feeling of your comradeship . . . the feeling of your money. If you knew how important it was to us to get rich you wouldn’t hesitate another day.



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THE CB'ER AND THE LAW

SOME LEGAL ASPECTS OF CITIZENS BAND RADIO

by MAURICE J. HINDIN, W6EUV

In line with S9's policy of bringing CB'ers top-notch features written by the foremost authorities in their respective fields, we herewith present the first of a series of articles by Maurice J. Hindin on the subject of the CB'er and the law. Mr. Hindin is an attorney-at-law and is licensed to practice law before the United States Supreme Court, the United States Courts of Appeal, the District Courts of the United States, as well as the Federal Communications Commission. He is the senior partner of the law firm of Hindin, Sterling, McKittrick & Posner, of Beverly Hills, Calif., and has been an active amateur radio operator for over thirty years, as well as being an associate member of the Institute of Electronic and Electrical Engineers. We know that you will find Mr. Hindin's comments both useful and to-the-point. This series will continue monthly until at least September, a different aspect will be covered each month.

KBG4303

The citizens band service is one of the newest services authorized by the Federal Communications Commission. With the possible exception of the amateur radio operators, citizens band operators constitute the largest single body of persons actively using radio communication on a daily operational basis. The ease with which citizens band operators may obtain and operate their equipment very often finds them without any substantial information relating to the legal aspects of their particular radio service. It is the purpose of this article and the succeeding articles in this series to acquaint the citizens band operator with some of the legal and historical background of radio communication law. Specific problems which arise from time to time are far too numerous to discuss in this first article, and the purpose here is to direct the amateur to the basic questions most frequently asked:

1. What is the legal background of radio in the United States and of the FCC?

2. How do local city, county and state laws and regulations affect the radio operator?

The first international radio convention was held in the United States, at which general rules of conduct for radio stations were adopted, as were international signals. On August 13, 1912, the first general law relat-

ing to radio was enacted.¹ The Secretary of Commerce, designated in that Act as the government official to issue licenses, had no powers other than that of a ministerial officer, and was provided with no regulatory powers.

This was so held in a decision of the United States Circuit Court.² Several resolutions were enacted between 1912 and 1927 which effected no material change in the situation,³ and are interesting only to indicate Radio's growing pains.

The first modern radio statute was enacted in 1927 as the Radio Act of 1927,³ which established the Federal Radio Commission and conferred the broad powers to issue licenses, regulate radio services, control schedules of transmission, power, and conferred most of the powers now exercised by FCC. Thereafter, in 1928, 1929, 1930 and 1932 this act was amended by Congress.⁴ These amendments enacted administrative changes in the law only.

Substantive radio law had its greatest change in 1934 with the enactment of the "Radio Act of 1934."⁵ This act repealed the former radio act, abolished the old Radio Commission and created the Federal Communications Commission. This act has been amended from time to time but mainly in its administrative provisions.⁶

Since a solid understanding of the basic laws relating to radio is desirable and a definite asset to every citizens band opera-

1. Act of August 13, 1912; 37 Statutes at Large 302; U.S.A. Title 47, Sections 51-60.

2. Hoover vs. Intercity Radio Company (286 Fed. 1003).

3. Act of February 23, 1927, c 169; 44 Statutes at Large 1162.

4. Act of March 28, c 263, 45 Statutes at Large 373; U.S.A. Title 47, Section 89; the "Act of March 4, 1929, Chapter 701, 45 Statutes at Large, 1559"; the "Act of December 18, 1929, c 7, 46 Statutes at Large 50"; the "Act of July 1, 1930, c 788, 46 Statutes at Large 844"; and the "Act of May 19, 1932, Chapter 192, 47 Statute 160."

5. Act of June 19, 1934, c 652, 48 Statutes at Large 1102.

6. Act of May 20, 1937, c 229 Statutes at Large; the "Act of January 22, 1936, c 25, 49 Statutes at Large 1098"; the "Act of March 6, 1943, c 10, 57 Statute at Large 5"; and the "Act of March 23, 1941, c 24, 55 Statute at Large 46."

tor, it is suggested that everyone interested secure a copy. Copies of this "Radio Act of 1934 as Amended" may be secured from the Government Printing Office at Washington for a very nominal charge.

CONSTITUTIONAL AUTHORITY

It may be of considerable interest to know that the Constitution of the United States is involved when the question is asked if regulation of radio has fallen by accident or usurpation to the Federal Government rather than to the governments of the several states. Aside from expediency and convenience in having a central authority and single law for the country at large, there is sound, logical and legal reason for this. Among the powers specifically granted to Congress by the Constitution is: "to regulate commerce with foreign nations and among the several states . . ." It should naturally follow that radio communication legally constitutes "commerce" with foreign states and among the several states. Then, under the Constitution, the Federal Government and not the States has the right to regulate in this field. Uniform pronouncements of the courts have definitely declared this to be the law.⁷ The courts have also held that transmissions (even if the signal is wholly confined to the territory of one state and does not cross any state lines) are a matter of interstate commerce.⁸ It is now well settled law that the Federal Government alone has the power to regulate and control radio transmissions.

THE CITIZENS BAND SERVICE

Though the law is quite clear that neither individual states counties, cities or local communities may pass a law which licenses, regulates, or interferes unreasonably with interstate commerce, legalistic distinctions may nevertheless impose certain general obligations on the citizens band operator. The courts have quite uniformly held that a state may impose general property taxes on all property located within the state even though the property is used in connection with interstate commerce.⁹ It should, therefore, be clear that the citizens band radio equipment may properly be the subject of state property tax laws or other local tax laws much the same as would be a piano, automobile or other personal property. Occasionally conflict arises between a state and the Federal Government over what can and what cannot be taxed.

7. Federal Radio Commission vs. Nelson Brothers, et al (289 U.S. 266).

8. Whitehurst vs. Grimes, 21 Fed (2) 787.

9. Lelube vs. Mobile (127 U.S. 640).

How zealously the Federal Government guards the powers delegated to it by the Constitution is best illustrated by a case involving the State of North Carolina. This state sought to collect an annual license on radio receiving sets on all radio receivers in the state. Suit instituted by a broadcast station in the Federal Court resulted in a decree of injunction which forbade the collection of the tax on the grounds that the law was not a general property tax.¹⁰

Local safety laws regulating the use of electrical equipment and electrical appliances are generally held to be equally applicable to radio stations.¹¹ It should be borne in mind that most local laws touching on safety requirements are designed for public protection.

Occasionally, radio operators run into problems concerning local zoning restrictions. A recent case involving an amateur radio operator reached the Supreme Court of Minnesota. The case is believed to be of general interest to citizens band operators because of the similarity of problems they sometimes encounter.

ZONING RESTRICTIONS

A suit was instituted by a Minnesota city to compel a radio amateur operator to remove his antenna poles from his home on the grounds that the antenna poles constituted improper structures for a residential zone. The lower court ordered the poles removed and the amateur took the case on appeal to the Minnesota Supreme Court. The Supreme Court reversed the lower court's decision and held that the maintenance of antenna poles was not an improper use of property in a residential zone. A quotation from the court's opinion may be of interest. The court in part said:

"While many aeriels are attached to poles above the roofs of dwellings, and even to trees, the use of separate poles or masts for this purpose still prevails when a householder seeks the best reception. Such equipment is certainly customarily incident to a residential establishment. The use of short-wave amateur sets for both reception and transmission is so common in the United States that the Federal Communications Commission licenses such sets for transmission within certain wavelengths, and there is an American Radio Relay League of the proprietors of Amateur stations. That many,

10. WBT vs. Poulnot, 46 Fed. (2) 671.

11. N.Y. & N.H.H. Ry. vs. New York (165 U.S. 268).

Continued on page 60

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"...on my Scotch S-meter"

HOW MANY OF THESE CB'ERS CAN YOU IDENTIFY?

by THE OL' TIMER

Considering the vast amount of money presently invested in CB gear and the high degree of efficiency attained by the art of 5-watt communication, one might reasonably expect to enjoy intelligent use of the available frequencies. Despite frequent FCC admonitions regarding unlawful "non-substantive messages" on CB, a number of CB'ers still cannot seem to figure out anything "substantive" to say.

A quick excursion across the band discloses the same old worn out hack cliches and inane expressions from "Dobie Gillises," "Space Cadets," "Characters," and self-appointed philosophers—all of whom ignore FCC regulations without the slightest twitch of remorse.

Take a look at these excerpts from what was heard on II during a recent rainy afternoon when the band was "open."

"... and the antenna is a homebrew rotatable dipole pointed in your general direction ..."

Chances are it wouldn't make any difference if the antenna were pointed straight up. Besides, it is common practice to point a directional antenna towards the station we want to work.

"... You are 30 DB over 9 on a stingy S-meter ..."

Why are all S-meters "stingy"? Looks like once in a while we would run across a fellow with a "liberal" meter. At any rate, the S-meter rating isn't half as important as the general readability. An S-4 signal on a clear channel might be better than an S-9 signal on a channel jammed with "breakers" and whistles.

"... I make your frequency to be about a KC off ..."

(Actually, the frequency in question was on the "high side," but still within tolerance, as checked on a frequency meter.)

Why risk getting some poor devil in additional trouble with the FCC if you can't actually measure the frequency on a reliable meter designed for the purpose. Even the best CB receiver available is not an accurate frequency meter.



"... I've got to run downstairs and see what the wife wants. Go ahead and make a transmission ..."

Make a transmission? To whom? Or perhaps this bird-brain has a portable loud-speaker strapped to the point on his head for such occasions.

"... Come here, Betty Lou, and say something to Harry. Betty Lou is only two years old but she just loves to talk over the CB ..."



Sure, Betty Lou is a jewel, but to the bored victim she is as interesting as someone else's home movies.

"... Boy, you're really blasting through here—solid copy all the way. By the way, come back again with your handle, I missed it on the last go-round..."

Translation of "blasting through": "I received you solid. Your signals are extremely strong." Why advertise an apparent lack of operating "savvy" by putting out such obviously phony reports?

"... The 10-20 at our location here is 30 miles south-southeast of Gurneyville and about 18 miles north of Podunk Flats, not far from..."

After all this involved explanation, the other station still doesn't know the location. Why not say "Mudville" and just leave it at that? If the specific pin-point location of Mudville is of interest to the other station, doubtless he will request more specific information. In addition, the code phrase "10-20" means "My location is." The whole sentence could have been cut down to "10-20 Mudville."

"... I 10-4 your transmission, so 10-4 there Charlie, and a big 10-4 on your new antenna, it really puts in a 10-4 signal here..."

If this doesn't sound as idiotic to you as it does to me then skip the rest of this article.

"Well, Old Man, I really must shove off. I have to be at the old salt mine in ten minutes..." (This, after having issued

forth a full 20 minute monologue, without a silent period, without a single call sign, or a listen to the channel to see if it might be needed by someone with a real message.)

Provided anyone within hearing range has the intestinal fortitude, it would be perfectly appropriate to reply: "Well shove off. Get lost. Good-bye."

"... signing over, off, and in the clear..."

Good grief! How redundant can they get? Surely they can come up with something more original to end a good illegal contact.

"... and-aah... this spring I may-aah... put up a beam so-aah... I can work some-aah... good stuff-aah... but-aah... er-aah..."

This poor guy's brain is out of "sync" with his tongue. Perhaps he should save his halting speech for the little woman when he comes home at 2 a.m. after the club meeting ended at 11 p.m.

"... and if you hear me again, give me a shout and I'll do likewise..."

This is probably one of the most glaring examples of "rubber-stamp" triteness on CB today. It doesn't even make sense.

"... Thanks for the nice report. My receiver doesn't have an S-meter and I can just barely hear you. Must be one-way skip..."

No, Mortimer, it isn't one-way skip. Your contact has a good receiver and you are trying to get by with a klunker.

"... So that's the story... tck, tck... (business of sucking teeth and/or smacking lips)... I'll turn it back... huff-puff... slurp-slurp (heavy breathing, chewing, and blasting the mike with sibilants)... to you for the final..."

This character is difficult to describe with a typewriter, but it's about the same as having a drunk corner boy, blowing his whiskey breath in your face and splattering you with unwelcome moisture.

Of course, I could go on, and on, *ad nauseam*, but after two hours of trying to sort out one lawbreaker from the other and classify them, I finally threw the switch and called it a day.

See you on 11 some rainy afternoon?

Ed. Note:

"Yeah, 10-4, O.K., alright. We'll let you start the ball rolling. It's getting near time for us to hit the old sack... etc."



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HERE'S HOW IT WORKS! Your CB set speaker remains disconnected for absolute silence, until the proper tone signal is received. Then it's automatically connected for several seconds to permit hearing the sender's call letters. If the call is for you, just pick up the microphone and carry on your conversation. To initiate a call, simply pick up the mike, press the tone signal lever, give your call letters and wait for an answer! Simple, convenient!

SUITABLE FOR MOST POPULAR CB TRANSCEIVERS! This compact unit is available in kit form or factory assembled for AC or DC operation. And it's easy to install on most popular CB transceivers; suitable for use with FCC type accepted 2-way radio equipment. Orders for multiple units will be shipped with the same tone-group relays.

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SPECIFICATIONS—Power requirements: AC version; 15 watts. DC version; 6 V—2 amps; 12 V—1.25 amps. **Controls:** Input and output level controls permit use with a wide variety of transceiver designs. "A Reset Time" control permits variations in "Speaker on" time after a tone is received. **Dimensions:** 6¼" W x 4¼" H x 6¼" D.

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BUILD A QUAD ANTENNA

AT LONG LAST, ONE THAT WORKS

PART II

by CHARLES LEEDHAM, 2A3788

Last month we presented Part I, showing the preliminary construction steps. Copies of this issue are available from the S9 Circulation Department at 50¢ each.

With your wires all strung soldered and prepared, and with spiders and boom, you are ready to take the whole affair up to the roof and put it together. Start by placing one spider flat on the roof and lay the four poles of the reflector element out loosely on the spider, slipping the wires through the pole holes as you go until you have a loose, rough square shape. Fasten the bases of the poles loosely into the spider (either in the bolts of the plywood plate or with the straps of the Cubex), and begin to make the finer final adjustments. By moving the poles in and out slightly make the sides of the square straight and taut, and as you go measure each side carefully to make it 9 feet, 3 inches—you can slip the wires back and forth a bit through the pole ends until you have everything exactly right. Be sure the insulator and tuning stub (the square-bottomed "U") are exactly in the middle of one side. Now tighten the bolts or straps and you have finished the reflector. Set this aside and make up the driven element square exactly the same way, with the insulator exactly in the middle of one side.

Finally, attach the boom to the spider of the driven element—4½ feet of 2 x 2 or 4½ feet cut from the 2-inch aluminum tubing. With the boom firmly in place and sticking up in the air, lift the reflector and fasten it to the other end of the boom. Be sure the two squares line up exactly and that the tuning stub insulator is in the middle of the same side as the coax insulator. You are now ready to clamp on the mast stub, and here is where the variable

polarization of the Quad comes in.

If you and another station each plan to put up Quads and leave them pointed at each other, you will not care about the vertical polarization of all the other CB stations. By mounting the Quad so that the coax attaches at the bottom of the square, it will be horizontally polarized—both Quads will be if both are fed at the bottom. For simple two-station communication this offers very considerable advantages—you can slam a signal through from one to the other like a ton of bricks, you will receive relatively little interference from vertically polarized stations and will give them correspondingly little interference. For horizontal polarization, fasten your mast stub to the boom so that it runs out between the insulators—when the Quad is mounted, the insulators will be on a bottom side.

But assuming you want to rotate the Quad for communication with a number of vertically polarized stations (almost all CB units), mount the mast stub so that it runs out from the boom parallel to the insulator sides—when the Quad is erected, the feed cable will run to one side and the tuning stub will be on the side. The mast stub should be 4½ feet long—with a little sticking above the boom it will hold the Quad high enough so that the bottom wires nicely clear guy lines strung out at a high angle from the bottom of the rotator.

To secure the reflector stub, wrap insulating tape around one corner of the "U" and run a piece of wire from that corner to the center of the boom. This will keep the stub from swaying in the wind and putting strain on the side of the Quad. Make the wire just tight enough to hold the stub, but not so tight that it pulls



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that side of the Quad out of a straight line.

Now drape the coax from the driven element insulator to the center of the boom and tape it firmly there. Again, not too tight or too loose—arrange it so there will be as little sideways pull on the insulator as possible when that side of the Quad is vertical. Finally tape the cable back about a foot along the boom toward the reflector so that when the boom is horizontal the cable will hang from the middle of the back of the boom and not get fouled on the rotator as the antenna turns.

Ten feet of mast, the length of the rotator and 4½ feet of mast stub above that will raise the top of the Quad about exactly to the 20-foot limit.

The last job is tuning the reflector by sliding the short back and forth along the arms of the "U." Because the antenna's surroundings affect this considerable it is difficult to tune the antenna low and then mount it high. The best method is to set the short in about the middle of the stub, then stay on top of a stepladder to nudge it back and forth while a friend operates your set and gives you instructions via loud voice or walkie-talkie. First, rotate the Quad so that the back (the reflector) end is pointed at a cooperating station at least a mile away—remember that the direction of radiation of the Quad is parallel to the boom and in the direction of the driven element. While your friend watches the S-meter and the other station gives you steady transmission, move the short back and forth along the stub until you get the *lowest* S-reading. At this point the Quad will be rejecting signals from the back at maximum efficiency, the front-to-back ratio will be best, and the forward gain approximately maximum. With no S-meter or stepladder or willing friends, set the sliding short about nine inches from the insulator before you raise the antenna and just work with it that way.

As a final cautionary note, be sure you have the mast well guyed, for although the Quad is light, the rotor is a heavy item and would make a spectacular crash and quite a nice dent in your roof if the whole affair fell over. *Glas-Line* is highly recommended, with proper thimbles and clamps, or if you use wire, be sure to break up the lines with egg insulators so that the wire doesn't accidentally resonate at your frequency and throw everything way off.

And there you have the Quad. Build it with care and tune it well and you will have an antenna which will wallop out your signal and pull in stations you never even heard before. It will cut down interference from stations in other directions, and you can even slowly rotate it to follow a mobile. It can make operating on today's crowded channels a pleasure instead of a strain, so build one and see.





ON THE COUNTERS

Just about the biggest bombshell to hit CB in many a month has been quietly announced by International Crystal Manufacturing Corp., 18 North Lee, Oklahoma City, Okla. If you've been watching these pages in S9 over the past few months, you've noticed that they have added quite a few CB rigs to their well known EXECUTIVE line of products, and this month they have added some very interesting and novel Part 15 base stations to add to their already established fantastic EXECUTIVE 1500 100-milliwatt "legal CB hobbying" station. Here is a *brief* rundown on the units:

EXECUTIVE 1505. A transmitter for voice communications in the standard broadcast band (510-1600 kc/s). The unit has push-to-talk, a remote mount fixed-tuned transmitter for extra-efficiency, 10 feet of antenna wire. The EXEC 1505 operates from 3 lantern-type batteries. The signals from the EXEC 1505 may be received on any standard broadcast radio receiver. Price is \$69.50.

EXECUTIVE 1518. Transmitter and receiver for voice communications in the low frequency Part 15 band (160-190 kc/s). This offers exceptional possibilities for business, home, or P-15 hobby communications. It features push-to-talk, 1 watt input, superhet receiver, squelch, 8 tubes/6 diodes, 115 VAC power supply. It comes complete with remote transmitter, mike, 50 feet of antenna wire, 10 feet of interconnecting cable. Price is \$119.50.

EXECUTIVE 1535. This is the long-awaited budget sequel to the \$219 EXECUTIVE 1500 Part 15 station. The EXEC 1535 is a complete 11 meter Part 15 station, including push-to-talk, crystal controlled transmit and receive, antenna/transmitter designed for remote roof mounting for maximum efficiency, squelch, tower and mounting mast for remote transmitter and antenna, 50 feet of cable, 10 tubes and 7 diodes, mike—in other words, a complete 27 mc/s Part 15

DX'ing CB station, ready for "legal hobby CB use." Price? Guess again, it's only \$139.50.

So there you have it, 3 low cost answers to how to get active in hobby CB'ing while staying within the FCC regulations. There are already *many* thousands of Part 15 units registered with S9 for this type of operation (S9 assigns "station identifiers" to these stations because the FCC does not give them callsigns). So get into the Part 15 swim—the water's fine! Find out about these 3 new units by checking with your local International Crystal EXEC dealer, or drop a letter or QSL card to Uncle George at the company. Ol' Uncle George is also known on the Part 15 hobby bands as WESTERN 16 and he'll be glad to fill you in on what these new rigs will do for you.

THIS RADIO TRANSMITTER MADE TO THE
PERSONAL SPECIFICATIONS OF

Sol Nussbaum
KBG 4903

These fancy anodized aluminium foil gummed plaques have started showing up on some of the rigs hereabouts so we decided to track down their source. It seems that they are available with any name and ham or CB callsign printed to order at 2 for \$1.50. They are pressure sensitive and will stick to any smooth surface. You can order them by sending a check or money order to Tracy Diers, GPO Box 1159, New York, N. Y. 10001. By the way, they're black and silver.

Lafayette Radio, P.O. Box 10, Dept. S9-C4, Syosset, L. I., N. Y., has recently released an ultra low-cost walkie-talkie known as the HA-70. Selling for only \$10.95 each, or \$21



for a pair, the unit is compact in size, utilizes 3 transistors, push-to-talk, and weighs a mere 1 lb. Operates from a single 9 volt battery

(included). This looks to us like a dandy unit to give to a youngster first getting interested in CB. No license is required to operate the set and Lafayette says that you should be able to work up to a ¼ of a mile on the thing. Write for details.

CB clubs will be interested to learn that Sonar Radio Corp., 73 Wortman Avenue, Brooklyn 7, N. Y. has released a 16mm Technicolor sound motion picture. It runs approximately 15 minutes and explains the functions and instructions for CB units. There is no charge for the use of this film if you contact Jim Liebman at the company (by phone or mail) and tell him that you want the loan of the film discussed in S9 Magazine.

CB clubs should also contact Stan Isaacs at Lafayette Radio (address given above) and ask Stan to send along Lafayette's special "CB Club Packet." The "packet" consists of several tons of fascinating data which will be of use to all CB'ers and clubs. Be certain to mention how many members are in the club.

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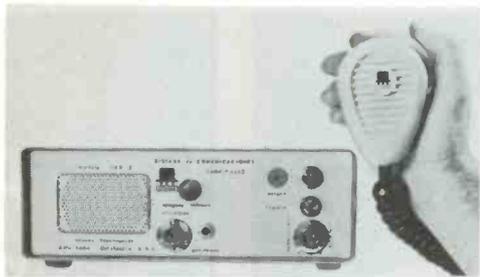
P.O. BOX 312

PHONE
603-72-53358

CONCORD, N. H.

New on the market this month, and seeking dealers, are two anodized aluminum plates—one an FCC warning plate and the other an FCC form 452-C Transmitter Identification Plate. Although made of aluminum, both of these special plates can be written upon by means of an ordinary typewriter (with ribbon in the "off" position). They are attractively packaged and are sure to be sellouts when the gang sees them. The manufacturer is all set to bring out, in addition to these items, QSL cards, "Installation Plates," "Service Plates," "Tested & Checked Plates," and other re-sale and shop-use items for CB'ers and Hams. Dealers should contact Sabre Rolle, Box 3, New York, N. Y. 10023, for prices and details.

Stoner Electronics, Box 7388, Alta Loma, Calif., announces a new fully transistorized rig covering the frequency range of 2 through 8 megacycles and offering 15 watts input and a dependable coverage of 200 miles under normal operating conditions. One-knob control permits easy operation by unskilled personnel and may be battery operated. Stoner claims that you can even drop the rugged unit on a concrete pavement without opera-



tional damage. It takes 12 volts DC to run it's 15 semi-conductors. It weighs 8 lbs. Prices start at \$264.50. Write Don Stoner at the company for further details.

Here's something of value for no cost at all! It's the new crystal directory from Texas Crystals, Dept. S, 1000 Crystal Drive, Fort Myers, Fla. the 12 page book gives the following information on more than 100 different CB rigs: number of crystals required for operation, type of holder, frequency of crystals for transmit and receive in each individual unit. It's pretty much of a *must*, and you'll find it's more than worth the post card or QSL it takes to receive it. Additional copies are 25¢ each.



Hy-Gain Antenna Products announces the immediate availability of their revolutionary "Co-Phaser" unit. It's a little gray box of magic that adds a directional versatility and range to phased colinear base station antenna arrays. With a flip of the front panel compass indicator, the unit transfers the CB'er from 3.86 DB additional "broadside" gain to 4.5 DB additional "end fire" gain off of either end of the phased array. It has no tubes or circuitry to induce additional noise or interference. Easily installed, the unit sells for \$14.95. A detailed engineering report on

Continued on page 34

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Poly-Comm® B
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with two-way
*selective calling**

299⁹⁵
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Rugged, dependable, yet priced considerably less than competitive systems. With Capture effect reception, the Poly-Comm B overcomes interference and gets your call through. Immunity to ignition noise as compared to AM units and ease of operation make the "B" the ideal communications system for the serious user. There are other Poly-Comm built-in bonuses, too . . . the FM mode of transmission results in a greater range than AM units . . . guaranteed mobile to mobile range of 20 miles on flat terrain and 30 miles for base to mobile transmission . . . even greater ranges can be acquired as needed with a Poly-Booster. Selective listening is available by adding a plug-in Poly-Call Selective Ringer. No examination necessary to acquire a business band license.

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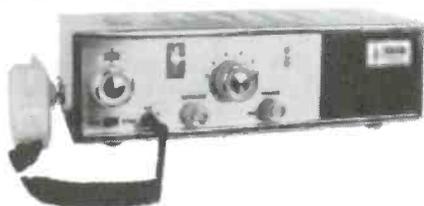
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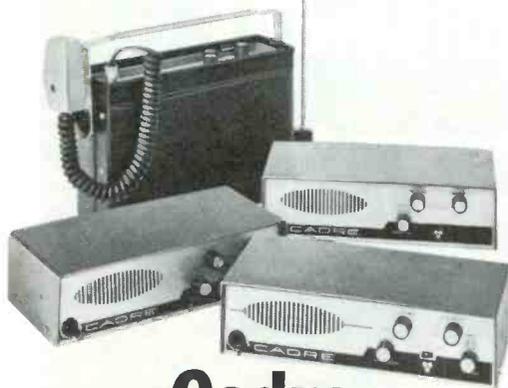
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March S-9

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

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

FOUR POWERFUL SOLID STATE 5-WATT, 5 CHANNEL MODELS for every possible application—base station, mobile, field. New Cadre 510-A—AC/DC 23 channel manual tuning \$219.95. Cadre 515 same as 510-A less manual tuning \$199.95. Cadre 520 DC only with battery cable and mounting kit. For mobile and portable use from 12 volt batteries \$187.50. Cadre 525 model 520 in portable pack carrying case with built-in battery/power supply, recharger, AC cord and telescoping antenna for complete field portability. \$269.95.

FULL POWER, 1.5 WATT HAND HELD RECEIVER CADRE C-75 Solid-state throughout. Two crystal controlled channels. Sensitive receiver, powerful transmitter with one watt output to the antenna. \$109.95. Recharger and set of (2) nickel-cadmium batteries. \$31.85. Cartridge for (9) penlite cells. \$2.95.

CADRE INDUSTRIES CORP. COMMERCIAL PRODUCT DIV. ENDICOTT, NEW YORK AREA CODE 607, 748-3373. Canada: Tri-Tel Assoc., Ltd., 81 Sheppard Ave. W., Willowdale, Ont. Export: Morhan Export, 458 B'way, N. Y. 13, New York.

what it is and how well it does it is available at no cost from Hy-Gain Antenna Products, 8450 N.E. Highway 6 at Stevens Creek, Lincoln, Nebraska.

J-A Electronics Company, P.O. Box 45, Teaneck, N. J. 07666, has announced two new units, an external speech clipper and an internal speech clipper. On the drawing boards is a VOX unit and a tone-call system. All units are transistorized. The internal speech clipper connects between the plate of the driver tube and the grid of the modulator tube; the external unit connects between the microphone and the microphone connector. The internal unit is a printed circuit board and sells for \$13.95 to \$17.50, depending on the specific unit needed. The external unit comes in a semi-kit (less connectors) for \$13.95, completely wired with a simple connector for \$17.95, and completely wired with a complex (push-to-talk) connector for \$19.50. Details and complete specs are available from the manufacturer.

General Electric is offering a chart entitled "High Reliability Tubes for Critical Applications" (ETR-3559A). The chart lists prototypes and essential characteristics of the complete line of 59 types of "Five-Star" receiving tubes which are specially designed for critical mobile and military applications. The 4 page chart also lists basing diagrams. It's free from General Electric Tube Dept., Owensboro, Ky.

Francis Industries, 25 East Depot St., Pataskala, Ohio, is marketing a new line of CB, Ham and commercial antennas. These include both base and mobile jobs with names like "The Octopus," "The Amazer," "The Colonel," and "The Monowhip." These antennas combine copper and fiberglass and we suggest that you get a card off to them pronto for their interesting spec sheet.

Carr Plastics, Box 18222, Indianapolis, Ind., is swinging along with their nifty mobile and desk-top call letter signs. We especially like their MAGNA-BAS for mobile use featuring magnetic feet on a solid base for top of dash mounting (\$3.75). Also nice is their MAGNA-BAK with the magnets on the back for dash or panel mounting (no base furnished), it's \$3.50. If you are a jazzy playboy you'll go for the MOBIL-GLO with dazzling yellow fluorescing figures on a 3 by 9, or larger, black panel. It has rubber suction feet for windshield or rear window mounting. It's only \$3.75. Reduced prices are in effect if clubs order in bulk from Carr. Tell them that S9 sent you for extra fast personal service.

Congrats to our old buddy Larry B. Meyer-son who was just made a part owner and Vice President of World Radio Laboratories

S9 Lab Reports



of Council Bluffs, Iowa. Larry will be directly responsible for WRL's marketing and advertising policies. Best of luck Larry, keep those CB goodies coming our way!

THE KNIGHT C555

The Knight Kit C555 mw. transceivers can provide reliable two-way communication for distances up to approximately three-quarters of a mile (about the maximum range over ideal terrain). The entire package, receiver and transmitter, weighs one pound and measures 7" x 3 1/8" x 2".

The C555 uses a total of 5 transistors and one diode. The transmitter section consists of the crystal oscillator, TR-5, and the modulator, TR-3 and TR-4. The modulator doubles as the audio amplifier in the receiver section, as shown in the block diagram in fig. 1.

In the receive position the desired signal picked up by the antenna is fed to TR-1, the oscillator-mixer. In this stage it is mixed with the output of the receiver crystal. The resulting signal (the difference between the incoming i.f. signal and the oscillator signal)


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S-2

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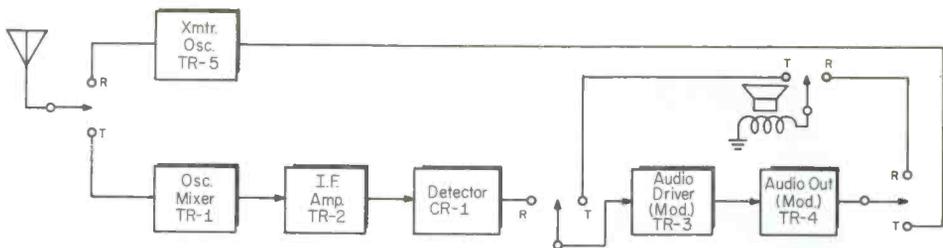


Fig. 1. Block diagram of the Knight-Kit C-555 transmitter. The unit employs 5 transistors and one diode. The audio section doubles as the output system for the is fed to the intermediate frequency amplifier where it is greatly amplified. The amplified signal is then detected by the diode, CR-1, and fed to the audio amplifier through the volume control and the Transmit-Receive switch circuit. The output of the audio amplifier is then fed to the 2 inch speaker. The same speaker is used as the microphone in the transmit function.

The kit is prepared in such a manner that almost anyone without experience could construct it successfully. For example, when a check of the parts is to be made, a page in the instruction book provides a photograph and identification for every major component. The small parts are mounted on cardboard strips with the identifying number printed

receiver and the modulator for the 100 milliwatt transmitter. As shown by the switching circuit, the speaker is used as the microphone in the Transmit position.

alongside. It is possible for a person with no prior knowledge of electronic components to assemble this kit.

The greatest portion of the assembly involves the printed boards. The board is supplied with the major components pre-mounted. The more difficult parts to handle, such as the Transmit-Receive switch, the 8 sockets (5 transistor sockets, 2 crystal sockets and 1 diode socket) and the two transformers are pre-mounted.

After assembling the boards as directed the next step is to adjust the transmitter tank coil, L4. This must be done before any further assembly (inserting the components into the case, etc.) because of the temporary connection of a pilot lamp as a dummy load

BASE... OR OFF BASE

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MODEL 254X

The Model 254X Crystal microphone gives you everything you need at the base station — an on-off push-to-talk and lock switch included. Response: 60-8000 cps. Level: -48 db. List price **\$23.50**

And the mobile Model 355C Ceramic features Turner's exclusive Hand-Ease switch for extra convenience. Response: 80-7000 cps. Level: -54 db. List price **\$12.50**

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MODEL 355C



and output indicator. The adjustment of L4 may be a little confusing to the beginner but with careful attention to the detailed instructions it can be readily accomplished. This is the only adjustment in the transmitter section and when L4 is set the assembly of the units can be completed.

When the assembly of the units is completed (about another half hour), the receiver alignment can be done. The noise level heard in the receiver is used for the first step of the alignment. All adjustments are peaked for maximum noise. For the best possible results the alignment of the receiver should be repeated using the signal being received from a transceiver at least one half mile away. After using this method of alignment the results were checked with a signal generator and found to be perfect. Thoughtfully, provisions are made to store the alignment tool under a clip on the rear cover. The alignment tool may be needed again particularly if the crystals are changed to provide operation on a new channel.

After several alignments to be certain that we were operating at peak efficiency, on-the-air tests were made over various types of terrain. The best we were able to do was slightly more than three-quarters of a mile over open ground (Bethpage Golf Course, L. I.). The audio quality on both the transmit and receive function is excellent and receiver sensitivity is quite surprising.

These units, the Knight-Kit C-555, may also be used on the C.A.P. frequency and the necessary crystals are available from Allied Radio. Of course, the units have to be properly licensed for C.A.P. work.



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 15c per crystal for .093 pins).

\$2.95
EACH

All 23 megacycle frequencies in stock: 26.065, 26.973, 26.985, 27.005, 27.013, 27.025, 27.035, 27.055, 27.065, 27.075, 27.085, 27.105, 27.113, 27.125, 27.135, 27.155, 27.165, 27.175, 27.185, 27.205, 27.215, 27.225, 27.255,

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

CRYSTALS IN HC6/U HOLDERS

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

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

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



QUARTZ CRYSTALS FOR EVERY SERVICE

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

FT-243 holders Pin spacing 1/2" Pin diameter .093	MC-7 holders Pin spacing 3/4" Pin diameter .125
CRIA/AR holders Pin spacing 1/2" Pin diameter .125	FT-171 holders Pin spacing 3/4" Banana pins

MADE TO ORDER CRYSTALS . . . Specify holder wanted

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

Amateur, Novice, Technician Band Crystals

.01% Tolerance . . . \$1.50 ea. — 80 meters (3701-3749 KC)
40 meters (7152-7198 KC), 15 meters (7034-7082 KC), 6 meters (8335-8650 KC) within 1 KC
FT-241 Lattice Crystals in all frequencies from 370 KC to 540 KC (all except 455 KC and 500 KC) \$1.25 ea.
Pin spacing 1/2" Pin diameter .093
Matched pairs — 15 cycles \$2.50 per pair
200 KC Crystals, \$2.00 ea.; 455 KC Crystals, \$1.25 ea.; 500 KC Crystals, \$1.25 ea.; 100 KC Frequency Standard Crystals in HC6/U holders \$4.50 ea.; Socket for FT-243 Crystal 15c ea.; Dual Socket for FT-243 Crystals, 15c ea.; Sockets for MC-7 and FT-171 Crystals 25c ea.; Ceramic Socket for HC6/U Crystals 20c ea.

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PART 15

KORNER

by DEAN DETTON, NORTHERN 17

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

Bob Malone, ATLANTIC 787/KH15117, Kimberly P.O., Kimberly, W. Va., says that he's interested in starting up a Part 15 club and that P-15'ers anywhere out there in radioland are welcome to contact him about it. He says that anybody taking the time to write will get a letter in return.

In Stamford, Conn., we hear from Pete Kemp, NORTHERN 2125, 25 Prince Pl., who is interested in getting together a local club for P-15'ers. He says, "Look for me on Channel 7, 11, or 3."

A writer from a Rutherford, N. J. P-15'er, who asked that we withhold his name, tells us that the author is interested in a proposal that could allow P-15 operators to enjoy the facilities of an antenna up to 200 feet in length. If you're interested, write to NORTHERN 2503, 448 Union Ave., Rutherford, N. J.

Here's someone looking for P-15 skeds, via skip or the mails. He's Glenn Speck, CENTRAL 1430, 710 East 6th Street, Coffeyville, Kans. 67337. Glen stands by on Channel 6 from 3:30 a.m. CST to 10 a.m. on Mondays through Fridays. On Saturday and Sunday, he says that he's just about "always on." CENTRAL 1430 runs a Lafayette HE-29C into a *Heliwhip* and he says that he has worked most of the other P-15'ers in the area.

We recently (in January) ran a letter from a P-15'er who claimed that there was some question as to legality of the PACIFIC prefix. The other day we received correspondence from Steve Herberth, KFC3527 which commented on this. Steve cites that the *Civil Air Patrol* manual specifies that the "tactical" CAP callsign for Pacific Regional land stations is none other than "PACIFIC," and he goes on to say that this is where the confusion may have arisen—especially since the FCC's Safety and Special Services Bureau processes the CAP licenses. It's a good possibility that the FCC people were referring to this, Steve, however when we checked with the FCC people, prior to the start of our P-15 program, they didn't foresee any particular problems. Apparently they only process the CAP tactical calls, they do not assign them at the FCC, and they were mainly concerned about our using calls which they were *assigning*.

There's a whole slew of new Part 15 2-way base station gear out this month from International Crystal. Details are in this month's "On The Counters" column in S9. Be sure to see what they have to offer. Additional details of the gear is shown in the new "Part 15 Callbook/Handbook, 1964."

S9

APPLICATION FOR FREE PART 15 STATION IDENTIFIER CERTIFICATE

To register your Part 15 "unlicensed" CB station with S9 and receive your special station identifier certificate, do the following:

- Fill in the application below, or facsimile if you don't want to cut your copy of S9.
- Enclose your completed application form together with a self-addressed stamped (5¢) envelope, in another envelope addressed as follows:

Part 15 Department
S9 Magazine
300 West 43rd Street
New York 36, N. Y.

Name: _____ CB Call: _____

Address: _____

City: _____ Zone: _____ State: _____

Part 15 Channel: _____ Type of unit: _____

No. of units: _____ Date: _____

I enclose 50¢ for the 1964 Part 15
Callbook/Handbook.

Signature: _____

CANADIAN CB CAPERS

by JOHN BURNUP, XM49-405

9268 CUMMINGS AVE.
OTTAWA, ONT., CANADA

North of the 49th the Citizens Band is now two years old, and being Canada, the users have been extremely conservative, so much so that it is only in the last year that any real club activity has emerged in the main cities. However these various clubs have not yet fully realized their civic potential . . .

In Ottawa, *The Golden Triangle (GRS) Radio Club* has assisted two local organizations, the Boy Scouts and the West Ottawa Lions Club. The Boy Scouts were provided with walkie-talkies and a base station was set up in the Central Canada Exhibition to provide the Scouts with a complete communications system whereby (and I quote from the *World Scouting Bulletin*), "Ottawa Boy Scouts, using 'walkie-talkies,' found 1,290 'lost' children at the Central Canada Exhibition this year. The portable two-way radio sets provided quick transmission of information about missing children. One hundred Scouts were on duty each of the eight days of the exhibition. It took only a short time to instruct the Scouts in the use of the equipment and radio procedure and they were on the air. A very successful operation."

The Lions Club in Ottawa using a local radio station, CFRA, for twelve hours ask for pledges of money to be telephoned in to the station for which various local celebrities perform or requests are played on the air. These pledges are then passed to a central control. The central control then relays the addresses to the CB mobile units in each area. Collections are made by a Lions Club member who accompanies each mobile. This has been the first year that CB was used and the Lions Club report that it has been the best so far. The monies collected go to providing hampers for the needy at Christmas.

These are the type of activities that help establish the CB'er as a definite asset to his or her community. While it's a good start, unfortunately at present the Clubs in the U.S. still are putting us here in Canada to shame. What's wrong Canada?

We are all very grateful to S9 for its Card Swapping Column which has helped



many of us to make a lot of friends across the border.

An S9 first! . . . This writer has learned that in 1964 a General Radio Service Directory will go on the market in Canada. I have been told that it will contain a complete CB listing, Ham directory and Ship-to-Shore directory plus other features. Remember where you heard about it first, and we will keep you posted as it develops.

As your Canadian Editor it is hoped that the Canadian Scene can be completely covered from Coast to Coast, but as every CB activity, team-work is necessary, so if you have any news, please send it to me.

Good luck to the *West Toronto C. B. Radio Group*, the *Saskatchewan Citizen Band Radio Club*, the *Newfoundland Citizen Band Club*, the *Sun Parlor Emergency Communication Service* and to the other clubs that are in existence or being formed.

Watch this column every month for new Department of Transport news.

We hope that Canadian clubs and individuals furnish us with club papers, photos, news items, and club emblems so that we can make our column "the greatest."

S9

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
(underdash mt.)\$2.95 ea.
86S065—6/12 Volt DC
Power Cord\$2.95 ea.

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BUY A PAIR AND SAVE
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Made in U.S.A. to
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* on DX 12 only

FIVE MONEY SAVING PACKAGES

- 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. ZZS029 Base \$139.95 — \$7.00 per mo.
- 2. BUY TWO — Save \$29.84 — \$265.00 — \$14.00 per mo.**
- 3. Mobile Station Package — Save \$6.87**
You get: DX'er Transceiver with built-in DC Supply, Push-to-talk Mike, Cord, Crystal for channel 9, New-Tronics FGB-27 Cowl-Mount whip with cables & plugs, 6/12 V Power Cord, Underdash Mounting Bracket. Wt. 23 lbs.
ZZS030 — \$124.95 — \$6.00 per mo.
- 4. BUY TWO — Save \$28.64 — \$235.00 — \$12.00 per mo.**
- 5. Buy One Base Station & One Mobile Station**
ZZS031 — Save \$31.69 — \$247.55 — \$12.00 per mo.

WORLD RADIO LABORATORIES, INC. • 3415 WEST BROADWAY • COUNCIL BLUFFS, IOWA

CB CASEBOOK



by **LEE AURICK, KCD5514**
MT. PLEASANT RD. RFD 1
COLUMBIA, PA.

This month we visit for a few minutes with a man who has a volunteer job larger in scope than the breadwinning jobs most people have at any time in their lives.

His name is Wes Sweigart; he lives in Mt. Joy, Penna.; and his CB call letters are KCD4171, though he's sure to be better known as the head man at KCC0058, the base station of the Rescue Division, Lancaster County Civil Defense.

Wes is the Director of the Rescue Division, and is a walking, talking, firebreathing advocate of CB radio.

"CB puts communications right down to the level of the working volunteer," Wes told your S9 reporter. "This is the level where communications is most often needed most, and until the advent of this Service it just wasn't available. Sure, we have had radio of some sort at the higher levels of control; such as through the local Fire and Police Departments, but these channels of communication are always particularly taxed during an emergency. Though it worked alright in some drills, it wasn't until we were able to get radio into the hands of the volunteer during a time of emergency that we were able to really make a contribution toward operating in the Public Interest."

"Our Fire Department network is fine, but it was never designed to do the job of providing communications in depth that we need," Wes remarked.

"I was out of town on business when I learned of the train disaster in 1962 at Steelton, Penna. Our teams were so well trained that I could count off on my fingers the routine steps through which they were going; steps we had been over a hundred times before. When I did arrive home, everything had happened just as I knew it would. We have eight to ten men assigned to each rescue truck. When an emergency arises, the truck waits until four men are present, then it rolls. The remainder of the unit follows as soon as possible. I found that our rescue truck stationed at Elizabethtown, Penna. was on the

road within five minutes of the emergency call, and was followed-up within five minutes more by a support truck with thirty additional volunteers.

"Fortunately, other than the train wreck, we have had to mobilize for considerably less serious situations. Some of these, in which CB radio played a very important part, include: the recovery of a car from a quarry; recovery of bodies in numerous drownings; assistance to the State Police in search and rescue operations; and the bringing of fuel and food to families isolated by a heavy snow storm. On one occasion, we supplied power from our emergency generator to convalescent homes for a period of fifty-two hours, when heavy snows had demolished power lines. Each of these operations called heavily upon our CB radio equipment to coordinate around-the-clock activity.

"For several years we have run our own instruction courses in First Aid, and in Rescue. Everyone of our 1100 volunteers has been through at least one of these courses, and some individuals have been through them each year to pick up new ideas which we are constantly teaching."

"Many of our requests for rescue mobilization come by way of CB, since most Constables and Police in Lancaster County are CB equipped. Any Fire Chief or Police Officer can activate our Rescue Division."

"Our drills take on great realism when I insist that all communications be carried by radio. To me, there is very little point in building an organization to operate within the confines of a land-line telephone system, when I recognize that the one thing we will be able to count upon, should we have a real disaster, would be our communications through CB radio. Each man and woman in our Rescue Division is convinced that our efficient efforts can contribute materially to the saving of lives in a disaster, and none of us would be willing to sacrifice this efficiency by basing our planning for communications on anything but CB radio."

S9

AC POWER SUPPLY



TRAVELIER TRANSCEIVER



TRAVELIER *transceiver*

Transmitter:

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

Receiver

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

SATELLITE *base station*

Transmitter:

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

Receiver

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

Power SWR Meter:

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

DEMCO Presents

the all new TRAVELIER transceiver the exclusive SATELLITE base station

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

The Satellite Base Station will set you apart from your CB friends and will give you pride of ownership and performance no other set can match. A separate transmitter, receiver, speaker, and meter add a greater degree of versatility and accuracy in your communication.

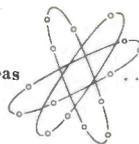
The Satellite Power Modulator, a compression audio amplifier, greatly increases your talk power when used with the Satellite Base Station or most other CB radios.

The unique Travelier Transceiver gives you extra sensitivity, 100% modulation, more projection and range. Beautifully styled, yet rugged and functional, the Travelier offers everything for the discriminating CB'er — including the new and exclusive "Audio Spotter" and "Noise Limiter."

A matching AC Power Supply converts your Travelier to Base in a matter of seconds!

Free Brochures:

For complete specifications and schematics of the exciting new Travelier Transceiver and Satellite Base Station, write to:



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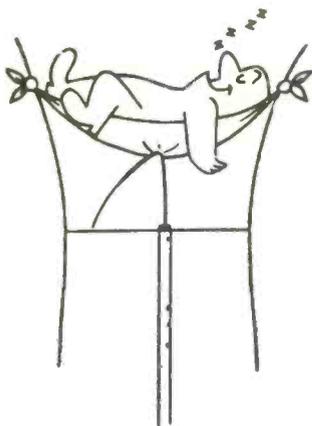
DEMCO
ELECTRONICS, INC.
Bristol, Indiana

SATELLITE POWER MODULATOR



SATELLITE BASE STATION





ANTENNAS

by LEN BUCKWALTER, KBA4480

CONFUSED CONNECTORS

Matching up antenna connectors is tougher than trying to force a round peg into a square hole. Trouble is no standardization; there are at least three different connector types. So you bring home a new rig and attempt to hook it into the antenna line. Within minutes comes the discovery that, like Antony and Cleopatra, you have a male-female problem. Even worse, different-size connectors make it impossible to conveniently couple in an SWR meter, dummy load, power meter or swap mobile for base rig—unless you want to spend hours resoldering plugs.

There's a neat answer. It's in the form of two cleverly designed adapters that take care of most mismatched connector problems. (Each costs about fifty cents.) It takes about 10 seconds to install or remove either adapter. Consider, first, the job of plugging in an antenna line which ends with a Motorola-type



plug (the kind for auto radios) into a rig equipped with the standard coaxial socket (SO-239). The adapter shown at the left in the photo handles that job. The other unit takes care of the reverse problem—coax plug to auto-type socket. Both adapters have pin inserts and shells to properly match up connector types.

NOISE REDUCER

Have you seen what's atop the new Super Magnum? Looks like the antenna speared a low-flying sputnik (see drawing). In beefing up their standard *Magnum*, *Antenna Specialists* added longer radials at the bottom and a way-out ball on top. That ball, called *Stati-Lite*, acts as a noise-reducing device for receive.

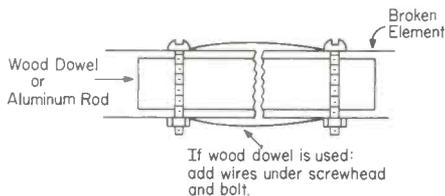


Antennas develop static electricity—the same kind that causes a shock when you walk across a carpeted floor, then touch a doorknob or metal fixture. These nasty discharges are harmless to people, but do add noise in the CB receiver. They build up along the antenna length, ride to the top and discharge into the atmosphere with a sizzle. It's heard in the receiver.

That odd ball defeats this action. With a 4-inch diameter formed by four wires, it helps eliminate the favorite popping-off point for static electricity—the antenna tip. Smooth, rounded surfaces enable charges to sneak off as quietly as a mouse wearing tennis shoes.

SPRING CLEANING

As the crocus gets ready to bloom and the birds gas up for the trip north, other sure signs of spring appear—the battered antenna. Now that the weather will be easing off, how about spring antenna cleaning? It can renew the performance of an antenna pounded by



the elements, corrosive fumes, wind and moisture.

At the base of the usual vertical is a hefty insulator. Soot from nearby chimneys of airborne fumes can build up across it and cause a partial short. Rub it clean with a rough cloth. Give the same treatment to the small insulators that support a matching section on some antennas.

Corrosion may have attacked the inside of telescoping elements, causing poor electrical contact. After disassembly it can be whisked away with steel wool. You won't have to do this again for several years if you use a spray can of acrylic plastic. After the elements are reassembled, spray the joints to seal out air and moisture. (Conductive grease, if it can be secured, is an excellent coating on element ends before they are slid together.)

Badly bent or broken elements can be handled in two ways when no replacement is available. As shown in the illustration, it's

done with an insert of aluminum or wood dowel. Both materials are stocked in many hardware stores. Insert a length of aluminum rod into an open end, then slip on the other part of the element. Butt the ends together and drill two holes for retaining nuts and bolts.

The wood dowel, especially useful for wide-diameter elements, is installed in the same fashion. But to assure good electrical contact, add pieces of wire under the screws as shown.

Transmission lines have their share of troubles. Unscrew the connector from the antenna and shine its inside surfaces with crocus cloth. (This item is paper impregnated with jeweler's rouge; a fine abrasive that won't harm the metal plating.) Weathered or cracked coax should be replaced. Damage to the internal conductors of the cable may often be detected while squeezing and bending the cable jacket as a helper listens for sudden changes in noise level at the receiver.

Antenna Briefs: Will the new single-side-band rigs need special antennas? SSB transceivers work with standard antennas but good line and antenna matching are more important than ever. According to *Mark*

Continued on page 60

You can Hear and See the Difference

**SONAR
FS-23**



**CITIZENS
BAND RADIO**

**23 FREQUENCY
SYNTHESIZED CRYSTAL
CONTROLLED CHANNELS**

In every field one manufacturer stands out above all others . . . in performance, dependability, engineering know-how, basic components . . . to present the finest product available . . . the Sonar FS-23.

Continuous one control channel switching • Low noise dual purpose transistor supply • Low noise Nuvistor receiver R.F. stage • Provisions of accessory VOX control and 2-tone squelch • High stability and frequency accuracy • crystal controlled receiver fine tuning • With mike, power supply cables and mobile mounting brackets. **\$29995**

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"Please tell Father Kelly the Bishop would like to see him."



"... Testing ... Testing ... Testing ... Testing ..."

Electronic Love

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| If she's fat— | Condenser |
| If she's thin— | Feeder |
| If she's extravagant— | Limiter |
| If she's in error— | Rectifier |
| If her hands are cold— | Heater |
| If she fumes and sputters— | Insulator |
| If she's ugly— | Transformer |
| If she's bossy— | Resistor |
| If she's slow— | Accelerator |
| If she's bored— | Exciter |
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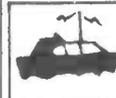
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BASE STATION
CUBICAL QUAD

ONLY \$39.95 NET

Tailor made to increase range in limited CB band. Tough, lightweight components permit use with most TV-type rotors. Easily assembled on ground or tower.

SPECS: Forward Gain; 8 db; Front to Back, up to 40 db; Feed Type, 52 ohm coax; Polarization, horizontal or vertical; Longest Element, 9'8"; Boom Length, 65 1/2".

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CG-275 Retractable Gutter Mount with positive lock

MMM-75 Adjustable for curved surface mounting

\$13.20 NET



"AIR-SENTRY" CBS - 311

for Class D-27mc Communication

Top Loaded Fiberglass SPECS: 52 ohms, 60 watts maximum power, RG-58 or equivalent, SWR-1.1 to 1 at resonant frequency. Complete with either mount.

48" Antenna with mount of your choice

AIR SENTRY "Shorty"

Model CB-1 \$10.95 NET

Complete with mount as shown

Designed for car installation to cover all 23 channels. Top loaded fiberglass complete with shock spring, mount and 12' coax cable. Whip, 18" — overall, 23" — terminates in coax plug PL-259.

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Dept. S9

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CARD SWAPPERS UNLIMITED

We finally received the first sour note on swappers and swapping. The note in particular was addressed to S9's Editor, Tom Kneitel, and it was from an Irwin Hemmle of Ft. Worth, Texas. Mr. Hemmle is an official of the American Citizens Band Association (when he writes on ACBA letterheads he signs himself as being on the "Permanent Home Committee," or as being a "Super Booster Member," whatever that is). Anyway, Mr. Hemmle makes no bones about the fact that he considers all CB QSL swappers to be a bunch of "15 year old kids" (in his own words). Being a 15 year old in itself isn't anything to be upset about, but the tone used in Mr. Hemmle's reference was somewhat less than flattering. We imagine that some of you regular S9 swappers are ACBA members and we can't help but wonder what you must be thinking about your organization after hearing what they think of you. Any ACBA members out there care to comment?

We are pleased to announce two new awards which will be in effect from now on, the PX-125 and the PX-150. These will be for swapping with 125 and 150 prefixes, respectively. General rules for these awards coincide with the 4 other "PX" awards, as outlined in previous issues of S9. If you want a free copy of the Swappers' Award rules and regulations, you need only to send us a stamped, self-addressed envelope and request same.

Here are the lucky and proud Swappers' Award winners for this month:

- SACA 23 George Hoover, KDD0550, Polkville, N. C.
 24 Val Golding, KFC3808, San Francisco, Calif.
 25 David Perry, KBC2434, Westboro, Mass.
 26 Carlos Brown, 5W4076, Charlotte, N. C.
 27 William Shagi, KID2541, Verona, Pa.
 28 James Cross, KCF0823, Hagerstown, Md.
 29 Iona J. Velpel, KHA8376, Garrett, Ind.
 30 John Dillard, KDB3123, Monterey, Tenn.
 31 Harry March, KJE0023, Washington, D.C.
 32 Jerry Rathburn, KHH0407, Alexandria, Ohio
- PX-25 82 Jim Harvey, KHI3547, East Tawas, Mich.
 83 George Hoover, KDD0550, Polkville, N. C.
 84 William Harrington, W. Springfield, Mass.
 85 Ralph E. Stouffer, KJC5155, McConnellsburg, Pa.
 86 William Shagi, KID2541, Verona, Pa.
 87 Stuart Brimmer, KJI0089, Corning, N. Y.
 88 Rick Myers, KCG2599, Springfield, Va.
 89 Ed Cox, KFD3731, Vallejo, Calif.
 90 Bill Keilman, Central 1490, Connersville, Ind.
 91 Gus Feltner, KEE2893, New Braunfels, Texas
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 72 William Shagi, KID2541, Verona, Pa.
 73 Stuart Brimmer, KJI0089, Corning, N. Y.
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 76 Douglas Paynter, KCJ5092, Charlottesville, Va.
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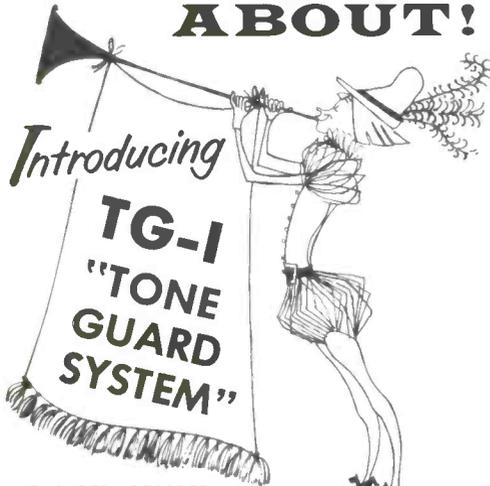
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 3 Howard Ray, KDD2601, Caroleen, N. C.
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 1W4417 E. Sternfelt, 32 High St., Cambridge, Mass.
 1W9494 G. Sbulkin, 67 Trenton St., Manchester, N.H.
 2A5880 M. Borisuk, 80 Jewell St., Garfield, N.J.
 2Q0602 A. Hamm, Church St., Philmont, N. Y.
 2Q3439 T. Grimke, 1482 E. 95th St., Brooklyn, N. Y.
 2Q4574 B. Schappert, Wampus Ave., Armonk, N. Y.
 2W4250 E. Molnar, 72 Highland Ave., Clifton, N.J.
 2W8966 H. Hiatt, P.O. Box 482, East Setauket, L.I., N. Y.
 2W9623 B. Endress, 161 E. 4th St., Clifton, N.J.
 2W9929 A. Shuhart, 35 Lakeview Ave., Hartsdale, N. Y.
 3Q0926 R. Ackerman, 523 Brew St., Tamaqua, Penna.
 3Q2542 B. Diehl, 240 York St., Hanover, Penna.
 3W2725 F. Orth, 806 Flexer Ct., Allentown, Penna.
 5Q1139 C. Coggin, Box 634, Badin, N. C.
 6Q0402 H. Drummond, Box 173, Alpharetta, Ga.
 6Q0914 P. Skldmore, Box 243, Rockwood, Tenn.
 6W2675 B. Morehead, Rt. 2, Box 412, Shelby, N. C.
 6W4390 C. Wirt, 206 Dunbar Ln., Crossville, Tenn.
 10W0572 Becom Co., Seminary Hgts., Weatherford, Tex.
 11Q1313 G. Strainline, 1171 W. Miracle Mile, Tucson, Ariz.
 11Q2714 E. Inness, 530 Catalina Dr., Newport Beach, Calif.
 12Q2070 G. Dorisse, 19794 Stanton Ave., Castro Valley, Cal.
 12Q2742 R. Lopez, 2689 Gill Dr., Concord, Calif.
 12Q2962 Casey Durso, 786 Malarin Ave., St. Clara, Calif.
 17Q1339 J. Doggett, 8060 Dema Dr., Des Moines, Iowa
 17W5449 H. Hawkins, 501 W. 10th St., Kansas City, Mo.
 18A8548 H. Boone, 625 Dalton St., Owensboro, Ky.
 18B2698 M. Dick, Box 167, Kokomo, Ind.
 18Q2210 R. Lentz, 713 North State Rd., Grayville, Ill.
 18Q4913 T. Leadbetter, R. R. 4-Box 40, Muncie, Ind.
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 19W8179 Paul Klein, 213 Franklin, Sidney, Ohio
 20Q3382 Stanley Penc, 1524 Mountain View Ave., Utica, N. Y.
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 KBA6295 Frank Adams, 46 Bridge St., New Milford, Conn.
 KBA6387 Bob Sullivan, 41 State St., Monson, Mass.
 KBA7377 Bill Campbell, 117 Kinnaird St., Cambridge, Mass.
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 KBA8540 David Greenwood, 34 Broad St., Hudson, Mass.
 KBA8553 William Jones, 127 Grove St., Putnam, Conn.
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CB IN ACTION

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



MOBILE INSTALLATION - PART II

In our last article on installation, we discussed antenna location and mounting. This article will deal with the locating and mounting of the transceiver.

Locating the Transceiver

The transceiver should be located close enough to the driver so that microphone and controls can be reached without leaning over or taking the eyes from the road. It must be so placed so that it will not interfere with normal driving functions. For example, do not install the transceiver in a place where your foot will strike it when using the accelerator or brake pedal.

Mounting the Transceiver

Most sets are equipped with a mounting cradle of some form. Generally, mounting is a matter of bolting this cradle to the underside of the dashboard at a selected position. The mounting point should be solid enough to bear the weight of the unit. Some sets may require an additional bracket to support the rear of the set if the cradle is mounted well forward on the unit. Normally, the mounting areas available in an automobile will provide sufficient circulation of air for cooling the set. However, a very restricted space could pose a ventilation problem. Check the wiring through which current must travel to the unit. If the automobile wiring is of light gauge, you may want to splice additional #12 or #14 gauge wire to the primary leads and connect them directly to the battery or to the nearest possible point. In many cases, the wiring to the lighter socket or other point of connection is too small to carry the five or more amperes required without excessive voltage drop and heating. The wiring to the lighter socket is intended for only intermittent duty and may heat under continuous duty imposed by the transceiver.

Noise Suppression

A final phase of mobile installation concerns noise suppression. The subject has already been discussed in a previous article. In general, most automobiles will require that ignition noise suppression measures be taken and in many instances a generator capacitor must be installed. Tracking down and suppressing all of the types of noise that will be encountered usually requires the help of an experienced technician.

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A.P.R.E. NOTICE

ALL S9, A.P.A.E.'s WHOSE PRESS CARDS HAVE EXPIRED, PLEASE DROP S9, CLUB EDITOR, JOHN KREJC, 60 DIVISION AVE., GARFIELD, NEW JERSEY, A NOTE, AND I'LL SEND YOU A NEW CARD.

New appointments to the A.P.R.E. program this month include, Cecil Pryor, KDE0841, P.O. Box 33, Gallatin, Tenn.; Richard Long, KCF0986, 711 N. Mechanic Street, Cumberland, Maryland.

WESTERN

"Snapper" Konecny, KEJ3867, reports continued growth of the 11-27 Club of Ventura, California. Membership of over 60, as of December. The following are the newly elected officers for 1964: President, Al Strand, KEJ7209; Vice President, Al Marquez, KEJ2922, Sec.-Treasurer, Gordon Cross, KFA2026. Guy Trmlin, Volney Commings and "Snapper" Konecny, are Directors for the new year. RMF.

The REACT Unit of Whittier-Pico Rivera-Montebello is growing steadily according to Gene Grant, KEJ6251 and Jim Stratton, KEJ0294, Communications Officers. The group monitors channel 13 and has been very active in aiding motorists and providing emergency communications on numerous accidents. The Unit meets the 2nd Thursday of each month to transact their necessary business and will meet the 4th Tuesday of each month for a social evening and coffee break. The social evening will be held at the Little Lake Recreation Center in Santa Fe Springs. Both these meetings are open to all CB'ers. RMF.

Ventura Marine Watch in California, has grown in both size and popularity to such an extent that the Marina has adopted the Citizens Band Radio Service as the official radio communication media. CB radio installations have been completed at the harbor. 3 CB rigs are now in operation. One in the Patrol boat, one at the Harbor Masters office and one in the harbor vehicle. "Snapper," the father of the Ventura Marine Watch, reports that the Port District is very pleased with this type of communications. The Marina District has applied for their own license so that they can be in constant touch with the Marine Watch.

The December issue of the Redwood Citizens Banders Club paper, "WHISPERING REDWOODS," reports many interesting cases of assistance to motorists in need of help. The Northern California CB Club is located in the Eureka, McKinleyville area. Meetings are held the 2nd Thursday of each month—8 p.m. at the McKinleyville Airport. All CB'ers are welcome. Hazel Masters, KFD0142, Editor of the club paper, states that they would be very happy to exchange club papers with other clubs. Anyone interested write: Hazel at P.O. Box 726, Eureka, California. Fec Walters, XM66368, and his partner, both from St. Johns, Newfoundland while mobiling through Crescent City, California, were invited to dinner by Corkie and Honey Rhodes, KFD0938, of the Redwood Club. Several other club members joined with them in entertaining the Canadian visitors.

From Gary Peek, 11Q1879, comes the news of the Sidewinder CB Radio Club of Ridgecrest and China Lake, California. President is Dale Hughes, KEJ3232. Present membership of the club is 27. Most members are active in the Sheriff's Aero Squadron at Kern County, Calif. The group have participated in several

searches. The Commander at the local Squadron is Tex Tyler, KFA7890.

"Instant Action Squad" is the name of the Emergency communication group of the 10-99 Club of Santa Ana, California. This group, dedicated with a sincere desire to be of service to their community and fellow man, will be well trained in communications as well as first aid. First Aid classes by a Red Cross Instructor (a 10-99 Club member) have been started. This is a must and is required for active participation with Instant Action Squad. White jackets with shoulder identification patches will be worn by the squad members. The 10-99 Club holds coffee breaks every Monday evening—8 p.m.—Freddie's, 1212 So. Bristol Santa Ana. Regular club meetings are held the 4th Thursday of every month. Remember the address, 1104 West 8th Street, Santa Ana, California.

PACIFIC

COMING EVENT—The Washington State Citizens Band Association will hold their Convention, April 25th and 26th at the Edmond Meany Western International Hotel in Seattle, Washington. The CB Minutemen and the Everett CB Club have been assigned as host club by the W.S.C.B.A.

From Earl E. Hintz, KGE1613, A.P.R.E. comes the news of the "Atwater Auxiliary Communications Association" recently held its first meeting with 7 CB'ers present. The A.A.C.A. plans to meet the first Wednesday of each month. Everyone is invited to attend. Their monitoring channels are 11 and 15.

Central Oregon CB'ers Club elected their 1964 officers: President, John Schulke, KFF1125; Vice President, Dick Akins, KFG0152, Sec.-Treas., Marge Thomas, KFF0743, Communications, Ann Dickens, KFF0901, Sgt.-of-Arms, Morgan Elliott, KFF1264. Most of the members have received their Civil Defense cards and decals. Ann Dickens also serves as A.P.R.E., S9, 13th Area. Thanks Ann.

Any club wishing to exchange papers and haven't received the "BREAK BREAK" club paper of the Santa Clara County Citizens Radio League, 12580 Linda Vista Ave., San Jose, California. Why not add this to your list also.

From C. D. Campbell comes the news of the McKenzie CB Radio Association, Oregon. C.D. tells that the club is just a little over a year old and have been accepted very well by the local authorities and ambulance service. The club meets the first Sunday of each month at the City Hall. The club also seems to have lined up many guest speakers for the entertainment of the members. They have reserved channel 15, for emergency use only in their area. Their present membership is around 35. Bill also tells, we provide emergency road service when needed and frequency checks for our members and a study program of 2 way radio techniques, methods and equipment, emphasizing the "keeping of operations" within the limits as prescribed by the F.C.C. Bill is from Eugene, Oregon. Oh—yes his call is KFF1257.

A few months ago EMCOS of Klamath Falls, Oregon, held an information meeting for the local organizations that will be using the EMCOS/REACT radio network. The meeting was toasted by Phil Isensee, the Sec.-Treas. at the time, and the speaker of the evening was Gary Anderson, the communications officer. At this meeting a full explanation of the Citizens Band Radio Service, CB equipment and the operation of the EMCOS/REACT network was explained. Civil Defense, Red Cross, Police, Fire and



Shown in the picture is L to R. Bat. Chief, Harold Uglum, of the Klamath Falls City Fire Department; Gary Anderson, KFG0528, EMCOS Communications officer; Bat. Chief, J. C. Cay, also of the city fire dept.

Rescue organizations were among the 14 organizations in the club controlled communications service. President of the group is Phil Isensee, 13W0648. The Klamath Five-Watters Emergency Communications Service, Inc., is operational KFG2024, as the network control call sign.

ATLANTIC

The Upper Cumberland Citizens Band Radio Club recently volunteered their time and services to the local Junior Chamber of Commerce which held clinics

for Sabin Oral Vaccine. A portable base station was set up at the Health Clinic and mobile units were set up at different schools throughout the county where the vaccine was given. The club also has been aiding the Rescue Team, fighting forest fires and locating lost children. Thanks to president, Max Grimes, KDB8835.

At a banquet recently which was given by the Cee Banders Radio Phone Club of Birmingham, Ala., the following officers were installed for 1964. President, Bob Wilkey, KDB9450, Vice President, E. S. Darden, 6W6465, Secretary, R. N. Abercrombie, KDD6155, Treasurer, Jake Levine, 6Q3604. Etidor of their club paper is Dorothy Norton, KDD1138. The club is planning a Jamboree in late May or early June. More info later.

Also the Walker County Citizens Band Radio Club elected President Orman Phyllys, 6Q4656, Vice President, Ellis Dobbins, KDD2766, Sec-Treas., Grady Key, KDB9211. The club recently became attached to the Walker County Auxiliary Police, as a communications team.

A recent dutch supper was attended by 119 CB'ers from the following clubs—Cee Banders, Family Circle CB Club, 10-4 CB Club, Talladega Emergency and Rescue Group, Coosa Valley CB Radio Club, Fountain City CB Radio Club, Montgomery CB Club, and the Calhoun County Civil Defense Radio Group.

COMING EVENT—National Grandfather Mountain CB Jamboree to be held on Grandfather Mountain during the weekend of June 12th, 13th and 14th. Further information on the jamboree contact: Grandfather Mountain CB Jamboree Committee, Box 362, Spruce Pine, North Carolina.

Congratulations to Eddie Sisk, 6Q5631, being selected CB'er of the month of the Memphis Radio Citizens Band Club. The club meets the 4th Friday of each month at Lamar Terrace Community Center, Monitoring channels, 7, 9, 11 and 13.

The Roanoke Valley Citizens Band Radio Club has been successful in placing monitoring signs at various points leading into their fair city. Chairman and the man was Richard Barbour, 5W2456. A job well done Dick, from the club.

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Officers of the Cereal City, Citizens Band Radio Club, Battle Creek, Michigan. Left to Right—Ralph Weed, KHG0395, Secretary; Don Waters, 19Q9342, Vice President; Dick Kline, 19Q4716, President; and Hazel Sykes, KHG1609, Treasurer. Photo by Don Cortright, 19B0553, editor of their club paper, "CB Chatterbox."

CENTRAL

COMING EVENT—The Kickapoo 5 Watter Jam-boree to be held May 30th and 31st at the Eastern Illinois State Fairgrounds, Danville, Illinois. More info will be forthcoming.

Editor of the Heterodyne-Herald, club paper of the Waukesha County CB Club, Inc., is Charles Case, 18W6313. Assistant editor is Marilyn Case, KHA0540. Looks like a good team. Keep up the good work.

Prizes for the membership drive of the Maumee Valley CB Club are an engraved trophy to be awarded to the member who sponsors the most acceptable applications. A chicken dinner will be given for 5 acceptable applications. A handsome certificate of merit will be given for 2 or more acceptable applications. Go to it, fellows.

The Five Watt Wizards, 621 South Main, Brookfield, Mo., boast members from 5 counties in South Central Mo. Meetings are held in Wheeling, Brookfield, and Chillicathe, Mo. President of the newly reporting club is Hurless King, KGH3764. Their big project for this year is the formation of a state wide CB Club.

The Jacomo CB Club of Independence, Mo., have been asked by the local police department and the Jackson County Sheriffs Patrol to aid on New Year's Eve to cut down drunken driving accidents. They did a fine job this past Halloween. The local police chief said vandalism was down 30% from last year. President Bill Brown, 17Q2550, is now communications director for the Salvation Army Disaster Unit.

The North Area Emergency Radio Team held their annual Xmas party December 8th at the Gladstone, Mo. Community Center. The 1964 officers were announced: President, Harvey Bates, KGI7500, Sec.-Treas., Jack Schaaf, 17Q3732. The party was attended by about 75 members and guests. Bud Roth, KGH0921, outdid himself on the festivities this year. The N.A.E.R.T. are in their 4th year of operation and are very active in the K.C. area.

Recently organized was the Great Southwest Kansas Citizen Band Radio Club which meets the first Saturday of the month. The club is approaching the 75 membership mark, and they tell us that about everyone out there reads S9. President of the newly reporting club is Ralph Wilson, KGI2839; Vice President, Harold Kennedy, 17W6383 and Sec.-Treas. Theodore McFadden, 17W0758. The club also helped in a recent auto wreck which saved a life.

COMING EVENT—The 4th Anniversary of the Trumbull County Citizen Band Radio Club will be held April 26th, Champion Danceland, 7 miles north of Warren, Ohio, on Route 45. There will be a covered dish dinner at 1:00 p.m. with the program to follow. Also lots of prizes to be given away. We will be monitoring channels 9 and 11. Everyone is welcome.

At this writing present President of the Suburban Mobile Radio Assn., Madison Heights, Michigan is Donald C. Seese, KHG5355. The club also publishes a

flashy club paper called the "CHANNEL CHATTER." Editor of the paper is Charles Dunscombe, KHH0858. Mailing address: P.O. Box 2, Madison Heights, Michigan.

Received a new club paper called the Citizens Band Radio Club, 10-8er, Lombard, Illinois. We searched high-an'-low for the club officers, but could not find them. Let's hear more from the group.

Due to the newness of the Circus City CB Club, Inc., the present officers were reinstated for the year of 1964. President, Art Dills, KHD4948; Vice President, Paul Kingery, KHD2351; Sec.-Treas., Charles Cover, KHA9340; Communications officer, Jack Ulery, KHC2306; Ass't Communications Officer, John Shank, KHA9679 and Refreshment Committee, Dick Kline, KHC6449. The club monitoring channel has been changed from 8 to 9, do to local interference. Several projects are in the planning for this year.

The Midwestern CB Club also held their elections for 1964 with President, Amile Cass, KHB0289; Vice President, Don Brown, KHD0185; Sec., Ray Jones, KHB1054 and Treas., Larry Turnpough, KHC4113. Odie Lowe, KHD1900, was appointed Communications Officer by the new president. The club has 5 signs ready for installation, giving their monitoring channel as 11, to be erected at various points leading into Kokomo, Ind.

The Mississinewa CB Club held its election of officers to serve for the 1st 6 months of 1964. The following were elected by the membership. President, Jack Wall, KHC4752; Vice President, Gerald Foust-right, KHB2091; Sec., Thelma Simpson, KHA0015; Treas., Alan Winkle, 18B2321. The Marion Club held their Christmas party at the South Business Men's Club. The club furnished refreshments and there was a children's exchange of gifts. Several hours of enjoyment was had by all.

The Tri-Co Sonic Boomers of B.H.A.F.B. have announced the following officers for 1964. They will serve until July, 1964. President, Bob Sunstrom, 18Q4030; Vice Presidents, Bill Smith, KH7617, Carl McCain, KHA4311, Bill Hosles, 18Q0786; Sec.-Treas., Tom Brooks, KHC5975. Shirley Weichlein, KHD3167, activities chairman for the club says, several club parties and jamborees are planned for the year. More info at a later time.

Yes, the Logansport CB Club also held their annual elections for 1964, and also the officers will serve until July 1964. President, Keith Kohr, KHC7504; Vice President, Jack Lamberson, KHA7514; Sec.-Treas., Carolyn Lamberson, KHA7514 and Communications Officer, Ralph Parmeter, 18Q9756. The club recently held their annual Christmas party and just a short time ago held a skating party.

From Canton, Ohio, comes news from the Hall of Fame CB Radio Club. President of the group is Frank Evans, KHH2386; Vice President, Dick Hostetler, KHG9332; Secretary, Betty Dillman, KHH1216; Treasurer, Walter Hostetler, KH11035, and Corresponding Secretary, Marge Mizer, KH16023. The club would like to exchange papers with others. Editor is Ellen Rippl, KHH4285, 2812 Cleveland Ave. S., Canton, Ohio.

The Five Waters of Lake County, Inc., have selected channel 17 as their channel of emergencies. The channel will also be used in other club projects. Bill Brown, KHJ9067, has offered to purchase the crystals for any club member.

Most of the 17th area CB Clubs were wired for sound this past New Year's Eve, for many helped and were on duty aiding enforcement agencies. Some clubs that helped were: Jacomo CB's from Independence, Mo.; The Sedalia CB Club, Sedalia, Mo.; The Five Watt Wizards, North Central, Mo.; and the Ozark CB's from South Central, Mo. The North Area Emergency Radio Team, Kansas City, Mo., also saw much action the 1st part of the year. Bud Roth, KGI0921, of the N.A.E.R.T. was elected Executive Assistant to the president recently. Bud has done such a fine job on club's recent parties, that it was decided he should be in charge of future social and emergency gatherings as well as recruiting new members to the team. Anyone in the K.C. area interested in a growing emergency radio team contact Bud on channel 21.

NORTHERN

The CB Knights of Asbury Park, N. J. are dedicating themselves to the betterment of CB. Serious-

minded CB'ers are invited to join. All interested CB'ers should contact: Edward T. Parsons, 1903 Vernon Street, Asbury Park, N. J. 07712.

Newly organized, The Glens Falls Area CB'ers, Inc., Hudson Falls, N. Y. are lead by President Herb Colvin, KIC2999. The club meets on the second Sunday of each month, 7:30 p.m., Wells Auto Body Shop, 3½ Second Street, Glens Falls, N. Y.

An expanding club in the Capital District is the Troy Area CB Radio Club. The club is lead by the following officers, President, Jack Coultrey, KBG1812; Vice President, Russ Williams, KBG5030; Treasurer, Doug Mulhall, 2Q0565; Secretary, Bob Tate, KBG-6100. Their club paper can be obtained from: Troy Area CB Radio Club, P.O. Box 299, Troy, New York. Just say John sent you.

The Hurricane Mt. CB Rangers of Fryeburg, Maine, recently held their 12th meeting with 27 members present. President Edward Guax; KBA5050; Vice President Alan Benson, KBA9777; Secretary, Alayne Wiley, KBA4042-U2; Treasurer, Roland Wiley, KBA-4042-U1. There will be a Baked Bean and Cassarole Supper for the installation of officers.

Officers for 1964 of the Southeastern Pennsylvania Citizen Radio Club are: President, Dominick D'Andreamatteo, KCD5479; Vice President, Thomas Russell, KCC0156; Treasurer, Norman McFadden, KCD-1490; Secretary, Robert Kaufman, 3W4242.

The Bux-Mont Radio League of Pa., is proud to announce a new mobile communications unit. The walk-in truck, outfitted and operated by the league, will be available as a communications clearing house in case of emergency throughout the two counties and wherever needed. The mobile unit included citizens band, amateur, and police equipment. The league is adding other equipment to the mobile. All equipment in the new unit has been donated by members of the league. News of the new arrival comes from Communications Dept., John W. Heacock, 3Q3203-K3YCP.

Recently the Little Rhody CB'ers held an open house, which was attended by over 100 CB'ers. 100 free door prizes were given away, of which each was CB equipment. A Christmas basket was raffled off, with the winner being KBC6680. Ray Smith of Prov. The club also raffled 3 savings bonds. They wish to thank everyone for making their first affair a great success.

COMING EVENT—The Bergen County Citizen Banders Club will hold their Second Annual Dinner-Dance, Past President Dinner, with Broadway entertainment, Saturday, March 14, 1964 at the Friar Tuck Inn, 691 Pompton Ave., Cedar Grove, N. J. Dinner time is 7:30, SHARP. Price is \$8.50 per person or CB'er. Contact: Mel Londner, P.O. Box 83, Fairlawn, N. J. Tickets are limited, so let's get going. Ticket Chairman is Joan Traino, 2Q3317, Dinner Chairman is Lee Janow, 2W9989. Look for another blast this year.



Pictured above is Walter Stockman of Manchester, Conn., Treasurer of the United Citizens Band Radio Club. President of the group is George Jolly; Vice President, Joseph Glode; Secretary, Chet Lane. Walt's call is KBB0601, but Walt, what happen to the rest?



NEWLY INSTALLED OFFICERS OF THE LEHIGH VALLEY CHAPTER, C.B.R.R.L. AT THE DECEMBER DINNER-DANCE. LEFT TO RIGHT: President, Bill Logan; George Swartz; Rod Westbrook; National C.B.R.R.L. Secretary, Grace Geier; Ralph Minchin; Eddie Emfield; and Jim Hadden.

CBRRL, Inc., held its national elections on January 5th, and the following officers were elected: Pres. Harvey Hector, First Vice Pres. Sal Leone, Second Vice Pres. Angelo Pollicino, Treasurer Charles Schwab. The new President announced that the Secretary will be Mrs. Connie Druiett.

The first meeting of the Androscoggin Valley CB'ers was held recently at Mexico, Maine, and was a complete success. Over 25 CB'ers from towns throughout Oxford and Franklin Counties interested in improving the usefulness of CB attended. President is John Whytock, KBC6131. Membership presently is over 50. The services of the club have already been called upon for fire patrol during drought, communications during high water threat, and participating in the search for a lost Maine hunter. The club is now in the process of becoming affiliated with the CD and also is a member of the New England CB Council.



New president of the Keystone 11 Meter League is Robert C. Gerhart, 3Q2268. Good luck to retiring President, Jack Hartman, KCD3893. Jom well done, Jack. As Jack said, "SUPPORT YOUR OFFICERS." Jack is also News Editor of the club paper, "Keystone 11 Meter News."

Past officers of the CB Radio Patrol, were elected in 1964. The club will be lead again this year by President Richeard J. Gendron, 1Q0928. The club holds their monthly meetings the second Thursday of the month at Club Headquarters.

Hats off to the LYCO CB NEWS and Dick Allen, KIC3788. The club paper has come a long way since we seen the first issue. Good job, Dick. Clubs wishing to exchange papers contact: Lycoming CB Radio Club, Inc. P.O. Box 247, Montoursville, Pa. 17754.

Continued on page 61



WASHINGTON OUTLOOK

This is a monumental month—a Federal Court told the FCC to hold off on their proposed license fees for a while. The FCC release of January 2nd said that they have been postponed “until further announcement.” The fly in the ointment was the great hub-bub created by licensees at the prospect of the Commission’s proposal—mainly a group of people and companies in the aeronautical communications field. They went to court and said that the proposal was constitutionally invalid.

Also contributing to the interesting things this month is the report we received from the Federal Trade Commission saying that they have charged the sellers of the “Dick Tracy 2-way Wrist Radio” with using “deceptive toy advertising.” The FTC people said that the advertising claimed that the units would amateur radio signals, emergency distress calls and ship-to-shore communications—however, in actuality, the units will receive only 27 mc/s CB transmissions. They claim that the ads also said that the units were sold complete and ready for operation—neglecting to announce that batteries were required but not included. The FTC further charged the American Doll & Toy Corp., of Brooklyn, N. Y., distributors of the Dick Tracy sets, with misrepresenting that the sets are sold in pairs when they are actually sold singly. Imagine, Dick Tracy getting pinched!

The Chairman of the FCC, E. William Henry, recently made a statement regarding the FCC accomplishments during the past year. In it, he described CB’ers as “largely nontechnical persons either unfamiliar with or who choose to ignore regulatory requirements.” He said that as of December 31, 1963, there were 550,000 of us, an increase of 173,663 over the previous year-end total.

In an action against a broadcasting station, the FCC made a statement which it would do us all well to remember. It seems that a DJ on the station had used “improper

language” over the air. The FCC complained and the station replied that they were unaware of the alleged improper language specifically mentioned in the FCC complaint, however at a later date than that mentioned by the FCC they had, themselves, discovered the DJ to be making too much whoopee on the air. They said that they subsequently fired the DJ and took steps to see that this type of operation did not happen again. The Commission let the station off with a reprimand, but said that “each licensee is responsible for all material broadcast over its station, and the Commission expects each licensee to keep itself acquainted with the nature of its own programs.” CB’ers who “lend their call letters” to others (which is illegal in itself) should certainly take heed and notice. How about the fellow down the block, your “Unit 2,” who likes to get in a few “skip” contacts whenever the band is open? Wake up, man, the FCC just told you that when they drop the axe it will be on *your* neck, not on his!

Here are the CB’ers who did business with the FCC during the past month.

6W6454, Plato P. Powers, Atlanta, Ga., directed to show cause why his license should not be revoked for repeated failure to respond to official notices concerning alleged violation of rules 19.61(a), non-substantive messages; 19.61(f), talking more than 5 minutes; and 19.62, improper identification. Last month Powers was given a \$100 forfeiture notice for not replying to FCC notices.

11Q3297, Denny C. Leipert, Torrance, Calif., hearings on his possible loss of license ended and the results turned over to the Commissioners for a decision.

11W2207, Addison B. Haraldson, La Habra, Calif., license revoked for repeated failure to respond to official notices concerning alleged violation of 19.61(a), non-substantive messages.

11W3781, John H. Thorpe, d/b/a Buena Park Economy TV Service, Buena Park,

Calif., license revoked for repeated failure to respond to official notices concerning alleged violation of 19.61(a), non-substantive messages.

11W6313, George H. Harper, Sr., Los Angeles, Calif., license revoked for alleged violation of Title 18, United States Code, Section 1464, and Section 19.61(a), non-substantive messages.

12W3522, R. W. Crawford, Jr., Hayward, Calif., license revoked for repeated failure to respond to official notices concerning alleged rule violations.

KCF2085, Walter J. King, Glen Burnie, Md., 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(a), non-substantive messages.

KDD1812, Lucille H. Long, Powder Springs, Ga., directed to show cause why her license should not be revoked for failure to respond to official notices concerning alleged violation of 95.81(a), nonsubstantive messages, and 95.81(f), talking more than 5 minutes.

KDH1734, Vincent R. Banville, Sr., Ft. Lauderdale, Fla., having been held in default with regard to the hearing which he requested on Order to show cause why his license should not be revoked and having waived right to hearing, the FCC examiner turned over his files to an FCC Review Board for appropriate disposition. Banville's later request for a continuation of his hearing was denied.

KEG4411, Robert L. Bonnell, Lawton, Okla., the proceedings on his show cause notice was dismissed.

KEJ1859, Charles D. Pettis, Las Vegas, Nev., license revoked for repeated failure to respond to official FCC notices concerning 19.33, off-frequency operation.

KEJ5570, Post 170X, Boy Scouts of America (Richard Silverman, Pres.), Los Angeles, Calif., hearing terminated on their show cause notice.

KFD0134, Clyde C. Van Dyne, Fresno, Calif., 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(a), non-substantive messages, and 19.61(f), talking more than 5 minutes without a break.

KFF1097, Charles H. Andrews, Newburg, Ore., denied licensees request for cancellation of \$100 fine, but in view of mitigating circumstances, reduced the fine to \$25.

KHH3074, David J. Ohlert, Grosse Pointe City, Mich., proceedings dismissed on his show cause hearing.



KBG4303 RIDES AGAIN

Continued from page 7

It's apparent that the CB market isn't an easy one to serve—the high mortality rate of publications bears this out. We, fortunately, have been able to avoid the various pitfalls which have plagued our brothers.

We have never forgotten that a sane, unfrantic, mature, and *honest* approach to CB has proven to be a winner. This was the original approach we used at CB Horizons, and CBH thrived. When I left, this policy was not maintained at its original standards, and eventually seemed to be ignored altogether. The end results speak for themselves. S9 pledges to "stick to our guns" in the future, as we have done in the past.

Your support in helping S9 to begin, prosper, and grow into a "winner" is most gratifying. We never forget that our readers and advertisers are *the* only factors which keep S9 from the deep six (or *seven*). Subscriptions are our life's blood, and we hope that *you* have given us your transfusion this year. Blood Bank applications are located between pages 48 and 49 of this issue.

AWARD WINNING S9

Doesn't it always sound great when a TV program says something like "NBC presents it's award winning news program . . . ?" Well we can now share the glory because the mailman brought us a beautiful gold award from the Southwest CB Association of Phoenix, Arizona. The only problem is the fact that the award was inscribed "Southwest Golden Award For Citizens Band Egotist." Thanks to Geoff Brunner who sent along the award, which was dated December 25th. We don't know whether to laugh or cry about the allegation in the award, but it now hangs upon the wall of the *award winning* S9 office.

MYSTERIOUS AUTHOR

For the past few issues we have been running a series of CB articles which contain a moral and a touch of zany humor. These are given the by-line of "The Ol' Timer." Many readers have written to ask the identity of this sage—I can't tell whether they want to jab the old buzzard in the beezee or to congratulate him for hitting the nail on the head. In any event, we aren't in a position to tell you who he is, he prefers to remain behind his cloak of secrecy, he probably wouldn't be able to move freely throughout the CB world making observations if his true identity were known—but

mainly we can't tell you who he is because we ourselves don't know.

All manuscripts from "The Ol' Timer" arrive here with no return address and no hint as to who he is. The envelopes have been postmarked from several states in the midwest. The author requests no payment for his work, even though S9 pays top rates for articles.

Whoever you are, "Ol' Timer," keep them coming. Our readers dig you the most!

EDITOR'S MAILBOX

We are always happy to hear from readers with interesting ideas and this month there are several which certainly are worthy of thought.

A letter from Bob Cooper, 18A7297, of 930 Monroe Street, Elkhart, Ind. (this is *not* the ACBA's Bob Cooper), advises that he is a trustee of the Michigan REACT League. Bob suggests that the ACBA is the wrong approach to the "national CB organization" question and proposes that a type of CB "congress" be established instead, the congress to be made up of CB clubs from the U.S. and Canada. Each club would be represented by a committee with one committee-man for a selected number of the local club to the congress meeting. In this manner, a true democratic organization would be formed and a small clique would not be able to take control for their own ends. Bob says he thinks that this is what has happened with the ACBA.

Bob tells us that the Michigan REACT League has already started collecting names of clubs that might be interested in considering this type of organization. Any club which is interested in receiving more information should contact Bob at the address above.

It's a good idea that these Michigan CB'ers have and I hope that those of you who belong to clubs will read this at your next meeting to get the opinions of the other members.

A fellow who is both a Ham and a CB'er, Al Shaw, 7Q2145/WA4FZV, of Miami, Fla., suggests that one or two 11 meter CB channels be opened up for operation by Ham operators to work other Ham operators. Al says that if CB'ers got a chance to listen to how Hams operate and to all the fun they have working skip *legally*, there might be a few less rule breakers cluttering up the Citizens Band.

A similar idea came in from H. J. Savage, KHH3829, of Cleveland, Ohio. Mr. Savage thinks that the FCC should set aside a CB channel for Novice Class Ham use so that the Novice could be able to practice up on his code there. He suggests that the CB-Novice

license should be good for three years.

These letters deserve at least a few moments thought from all of us. If you have any comments, let's hear from you.

EDITORIAL POLICY

In the "Reader Mail" column this month we have an excerpt from a letter sent to us by Jimmie Waddell. Jimmie, and a few others who took the trouble to write on the same subject, expressed concern with the criticism we have levelled at the ACBA in the S9 editorials. We feel that perhaps a few words of basic explanation will help Jimmie, and the others who wrote, to understand what things have gone into our ACBA editorials.

Let us remember that the ACBA has been around for almost a year now. In that period they have yet to do *one single concrete thing* for the advancement of the CB service in general, although all manner of things were promised. Even something as poorly conceived as their idea for the "CB March on Washington" couldn't be gotten off the ground. So far we can't see anything they've done except collect membership fees, sell "official club products," and defend FCC rulebreakers. True, they *have* gone to Washington to speak to the FCC, but this is the right of every CB'er—we at S9 have done it many times ourselves and you, as an individual CB'er, could do it on your own. It might be noted here that in their contacts with the FCC they have proven to be a constant source of agitation to the officials there, denouncing them in print and ridiculing them personally. Our office is constantly receiving letters from dissatisfied ACBA members telling us that they feel they have wasted their dollars. The club is presently being threatened with an investigation by the United States Postal Investigator's office because one of their original "charter" members, who happens to be an industry leader, suspects that there is "hanky-panky" somewhere along the line in the organization. In addition, the two or three people who run the club do it by self-appointment and have adopted a constitution and by-laws without a referendum.

If we could see *even one single* plus for this organization we probably would be willing to sit quietly and patiently by and watch for the one good point to develop, with the hope that it would nourish the other poorer aspects of the group. Unfortunately, even this is impossible.

So we are still waiting for the group to actually do something of genuine value and for it to "straighten up and fly right."

It isn't easy to admit that you've invested even as little as a dollar in a lost cause, and I

note that many of the letters expressing concern are from fellows who invested in ACBA and are now strangely embarrassed at being reminded about being associated with the club. I recall that, in my distant youth, I sent a quarter in to join the *Captain Midnight Ovaltine Club*. I received my membership card and a code ring, but nothing was ever heard from the Captain again. Until this very day, I still think furtively about "my club" when I drink my bedtime Ovaltine.

S9 has no bones to pick, no axes to grind, with anyone or any group. We would *very much* like to see the ACBA justify the investments of numerous CB'ers. When they do it to the satisfaction of all concerned, we won't have to keep prodding them down the road to a better CB club—either they will make it at a respectable pace down the center of the road, or they will have to fall by the wayside like many other "national CB clubs" before them.

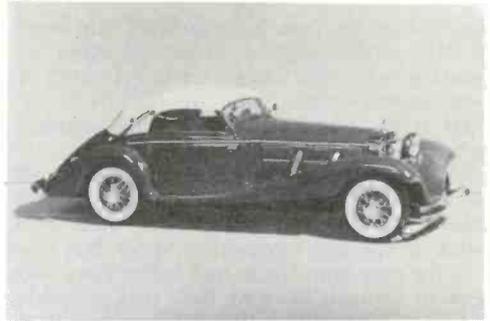
CB LICENSE FEES

We made quite a lot of noise in our editorials about the seemingly unfair FCC proposals for license fees to be charged to CB'ers. We have just received word that all Class D CB applications will be processed *no charge* until at least sometime in March—possibly later. Still no word at press time about the proposed FCC re-write of the CB regulations which has been pending for a number of months.

ANYONE FOR JAMBOREES?

CB clubs are reminded that now is as good a time as any to begin thinking about the social activities which will be taking place during the coming spring and summer. Are your Jamboree Committees looking into prospective locations yet? Have you contacted manufacturers and dealers for exhibits? Have you organized a plan for selling more tickets than you sold last year?

We at S9 like to attend CB Jamborees when time permits. S9's CB Club Editor, John Krejc, makes the scene to most of the shindigs in the northeastern states and John's staff of Area Public Relations Editors holds down the fort in other areas. I, personally, manage to make the scene at some of the jamborees, but never as many as I intend to take in as I look forward to each jamboree season—one time it's an unexpected production problem with S9, or it's a transportation crisis (anybody out there every try to depend on a tempermental 1937 Mercedes-Benz *Cabriolet*?), or a miserable spring/summer cold, or heaven



Tempermental transportation

knows what. Anyway, the spirit is willing, but the fates aren't always sympathetic.

Please be sure to keep S9 posted—as far in advance as possible—of your jamboree. We will usually give it publicity, and will *try* to have somebody there.

ANOTHER STAFF MEMBER

We are pleased to announce the addition of an "Overseas Editor" to the staff of S9. Our man is Mr. Herman C. S. Fong, 21W-0170, who operates from Guam—a small island in the western Pacific Ocean.

Herman has the whole CB world as "his beat" and he will be furnishing us with in-depth reports on CB and CB'ers in some of the more remote corners of the world—and these will be an exclusive for S9. We've already seen some of the things that Herman has planned for S9 and all we can say is "WOW!" You won't want to miss these features on foreign CB'ers.

IN THE FUTURE

We were going to wait for the July issue, when we enter our 3rd year of publication, to hit you with this big surprise we had planned. Well, thanks to your overwhelming acceptance of S9, you forced us to expand S9 sooner than we had planned. Yes, you guessed it, the April issue of S9 will contain a special 16 page bonus section making us an 80 page book.

The 16 pages will be devoted to your mobile installation. This will be written by well known CB engineer Jim Kyle and even if you consider yourself an expert on the subject of mobile CB'ing, you will find some new and novel angles in Jim's section.

AND FOR MAY ...

But if you think that we're giving up here, *you're wrong* because our May issue will be *another* 80 pager with a 16 page bonus sec-

tion written by Kyle. Kyle goes off into orbit for May with a section on several other interesting aspects of mobile CB'ing. In both of these issues, by the way, we will have our usual large assortment of regular monthly features and columns.

Now, here's the bit. If you subscribe to S9 we urge you to tell your non-subscribing friends to be on the lookout for these two issues. If you *don't* subscribe to S9, but buy it on the newsstand, you had better keep this news to yourself because they will probably be two sellouts within the first few days they hit the stands. If you miss the boat and don't get these issues while they are on the stands, they will cost you \$1 to order them from our circulation department after they go "off sale" in May and June.

We are aware that there is a shortage of newsstand copies of S9 in certain parts of the country and we are currently negotiating with our distributors to place more copies on the stands. In any event, this will not affect these two special issues. Of course, if you subscribe *right now* you will be assured of receiving both issues without any sweat. Why not make the both of us happy and subscribe?

What's in store for the June issue? Take a few guesses—we can't tell you yet! 

DX FESTIVAL

Continued from page 19

Frank signed off and thought about what the grinning Ubermyer said. He prepared to leave, first being sure to disconnect Charlie's line cord and pushing it through the fence. Next he disconnected the cable between the fence and the bumper, and was all set leave knowing that he would not be towing Charlie's Lubritorium or a hunk of wire fence behind him. In fact, after doing such a masterful job, he decided to offer Ubermyer a lift home. Ubermyer accepted only after making remarks about the VW's ancestry and Frank's cephalic index.

Ubermyer kept chuckling, "You're going to goof, Francis, you're going to goof." Frank became angry and bit his lip. In this minor state of shock he decided that the least he could do was scare the wits out of Ubermyer.

Frank took a hard turn into the basement garage under the apartment house they lived in. Ubermyer lurched to the right hard, then was raised out of his seat as the VW dropped down the ramp into the dark garage. Frank didn't get a chance to smile because . . . *BOOM* . . . *BanG* . . . *CRash* . . . *BOom* . . . *boom* . . . *spLIINter* . . . *CRash!*

The tires screeched the VW to a halt as

the blood drained from Frank's face. Not so with Ubermyer whose flushed features would be the envy of every American Indian.

"Great work, Francis!" Ubermyer roared, "That whip on the rear of this lady bug you call a car just knifed through a dozen of my new 4-foot fluorescent lamps. I'll send you a bill first thing Monday morning. Of course I'll deduct the 15 cents bus fare you saved me." And off he stamped.

After Ubermyer left, Frank sat in the dim garage a few minutes and then sighed, "50 over S-9. It was worth it." 

CB'ER AND THE LAW

Continued from page 22

if not most, of these amateur stations are operated in connection with residences is too well known a fact to be ignored."¹²

It may well be argued that the same home use is equally applicable to citizens band application and the same rule of law should be equally applicable to this type of radio service.

Should a person's station emit unusually loud, or objectionable noises, or otherwise constitute a nuisance, the operator would be liable for prosecution under the local law. The good sense of the citizens band operator will not make this type of legal action probable. Local ordinances which restrict the use of loudspeakers which disturb neighbors are a valid type of legislation.¹³ 

12. St. Louis Park vs. Casey (16 NW 2d 459).

13. Stodder vs. Rosen Talking Machine Co. (247 Mass. 60).

ANTENNAS

Continued from page 44

Products, producer of the first CB SSB unit, linear amplifiers used in the final of these sets must work into a proper load in order to deliver maximum punch.

. . . JFD, major manufacturer of TV antennas, hints at future plans. The company's LPV antenna, currently making a big splash in the TV field, may be produced for CB. It would use the log-periodic concept developed originally for space communications. The elements are laid out in the shape of a fish skeleton.

. . . Finally, handie-talkies with antennas that work at fantastic range—dozens of miles or more! This is the report of Gene Feeney, president of the Stormville Sky Divers, this New York State club of week-end parachutists (who free-fall farther than they float) attribute it all to antenna height—just before stepping out of a Piper Cub at a couple of thousand feet. 

CB SHOP

Rates for CB SHOP are 10¢ per word for advertising which, in our opinion, is obviously of a non-commercial nature. A charge of 25¢ per word is made to all commercial advertisers or business organizations. A 5% discount is in effect for an advance insertion order for six consecutive months.

We do not bill for advertising in CB SHOP. Full remittance must accompany all orders and orders sent in otherwise will not be run or acknowledged.

Closing date is the 15th of the 2nd month preceding date of publication.

We reserve the right to reject advertising which we feel is not suitable.

Because the advertisers and equipment contained in the CB SHOP have not been investigated, the publishers of S9 cannot vouch for the merchandise or services listed therein.

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

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

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

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.

CB—QSL CARDS—From \$1.00 per 100 up. Write for catalogue and samples 10 cents. Sacandaga Press, Broadalbin, N. Y. 12025.

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

YOUR CALL LETTERS PRESSED INTO FULL SIZE METAL LICENSE TAG. Yes! Large four inch letters PRESSED into heavy steel and two-color enamelled just your auto tag. Our presses set up limited time only—RUSH \$4.95 ea. to CB PLATES, Box 8202, Atlanta 6, Georgia.

CLUB NOTES

Continued from page 55

From the Jefferson County Civil Defense, Pa., comes the news that 2 additions to CB Clubs in the county. First, the Groundhog CB Club, Punxsutawney, Pa., of which George Hoey, 416 Ridge Ave., Punxsutawney, is Secretary. Last but not least is the Hilltoppers Radio Club, Brookville, Pa. Secretary is Forrest Parks, Brookville, Pa. Channel Watch of the Groundhog Club is 9 and 20, and the Hilltoppers channel watch 9 and 11. News of the above comes from Horace A. Carmait, Director.

SOUTHERN

William P. Way, 208 Bay Shore Circle, Venice, Florida, is looking for some simple constitution and By-laws to form a CB club. What-say, some of the clubs, let's give him a real helping hand. Bill tells us that about 20 CB'ers will attend their first meeting. Good start.

Recently 17 members of the Central Arkansas Citizens Band Radio Club participated in the City-Wide Disaster and were warmly commended for their services. The club publishes a good looking paper. I think



they would be willing to exchange with other clubs. Contact: P.O. Box 42, Levy Station, North Little Rock, Arkansas.

Monroe County CB Rangers recently approved CB radio monitoring system, which replaces the present "net" type of operation as "Monroe Monitor" it will be operated Monday through Saturday nights from 7 until 9 p.m. Each member will be assigned monitor duty one night at a time, not for a week as was the practice with the net. Primary purpose of the monitor of course, is nightly contact with members. The second purpose will be to insure mobiles in-transit or those with car troubles, that call for directions or aid.

News from the Gator CB Club of Jacksonville, Florida. President is Curt Neighbors, KD12972; Veep is Bill Burger, KD11546; Secretary, Donna Powell, KD10737. Address of the club is 10921 Beach Blvd., Jacksonville. The club has distinguished itself with their excellent emergency monitor program and has already done many good deeds by providing emergency services. Thanks to Hank Miltenberg, KDH2299, of Parts Unlimited Stores of Jacksonville for bringing this club to S9's attention. Hank also tells us that there is an evergrowing demand for copies of S9 in his territory and that he sells out every issue in all three of his stores. Hank invites all CB'ers to come in and say hello. Tell Hank that Tom Kneitel sent you, they went to public school together from the time they were in short pants. What did you expect, dresses?

S9

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

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¢.

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CB WALLPAPER—100 Glossy \$1.95; 500-\$5.50; postpaid. Two colors. Samples 10¢. Darling Printing, Owensboro, Kentucky.

QSL's—Eyeball QSL's Quality Selection, service at unbelievable Prices! Samples, NU-PRINT, 322 Page Boulevard, Springfield, Massachusetts.

LOS ANGELES AREA JOBS GALORE, Classified, \$1.00. Remail 25¢. Stone, 3017 Future St., Los Angeles, Cal.

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All makes CB sets and accessories. Merrill, CB Radio, Box 263, Enfield, N. H.

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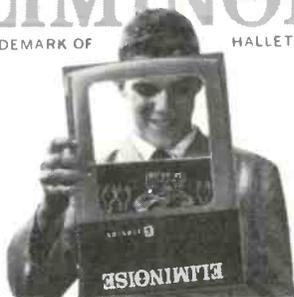
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CB QSL'S. Free samples. Little Print Shop, Box 9401, Austin, Texas.

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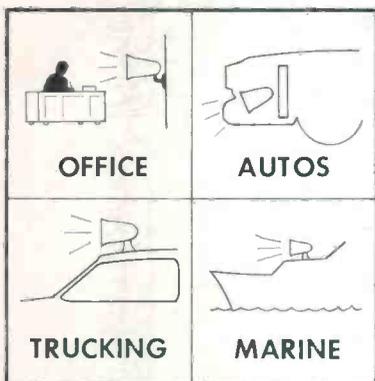
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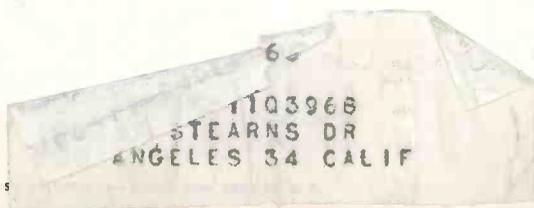
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