

HOW THE FCC MONITORS CB—P.9

S9

JUNE 1965

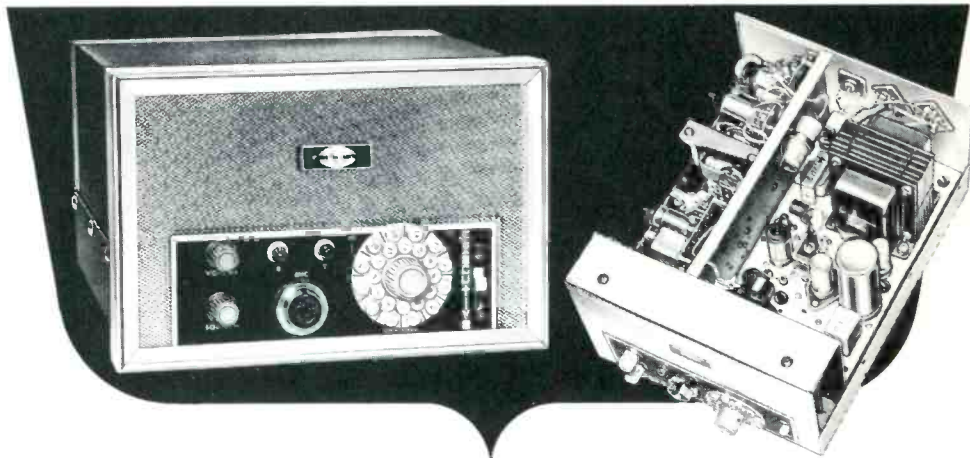
50c

the citizens band journal



The OFFICIAL CB RADIO MAGAZINE

NEW FOR '65

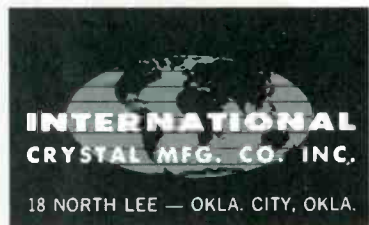
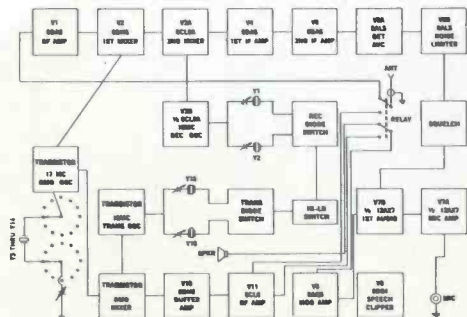


INTERNATIONAL MODEL 440 CITIZENS RADIO TRANSCEIVER

The Model 440 introduces a distinctive new panel and engineering concept to the line of International Citizens Radio transceivers. Designed for base or mobile use, the Model 440 is packed with outstanding performance features. The most discriminating CB operator will acclaim its dependable day after day operation. Silicon transistors and tubes are combined in a new hybrid circuit for optimum performance. The International Model 440 operates from 6/12 and 115 vac power sources. Complete with crystals, dynamic microphone with coil cord.

- New Hybrid Circuits Combining Silicon Transistors And Tubes
- New Zener Speech Limiter
- Distinctive New Panel Design
- Frequency Synthesized Crystal Controlled 23 Channel Operation
- Transistor Power Supply
- Dual Conversion Receiver
- Illuminated Channel Selector Dial
- Ideal For Mobile Or Base Installations
- Ten Tubes
- Five Silicon Transistors
- Two Power Transistors
- Eleven Silicon Diodes

WRITE TODAY FOR THE NAME OF YOUR NEAREST INTERNATIONAL DEALER.



FCC Citizens Radio license required. All use must conform with Part 95, FCC Rules and Regulations.

CB'er, why is Mosley's Devant "1" so popular?

THE SECRET IS IN THE OUTSTANDING DEVANT CONSTRUCTION AND PERFORMANCE. LOOK CLOSELY AT THIS ANTENNA.....

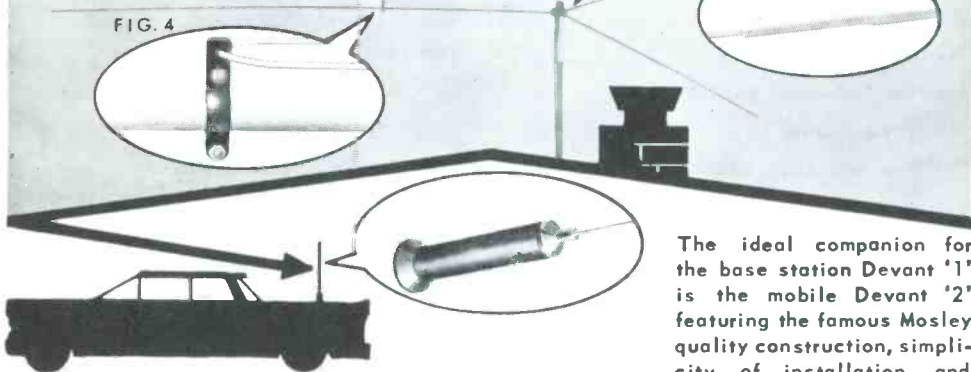
Fig. 1, The vertical aluminum elements terminate in a durable phenolic sleeve. The radials terminate in a cyclac base - - equalling a 'steel-strength' construction at this all-important connection.

Fig. 2, The Devant "1" is easily mounted, merely by slipping the light-weight Devant "1" on the mast and tightening two screws and lock nuts, the Devant is installed. (The Mosley Coax-female connector is part of the radial support assembly insuring weather-proof construction.)

Fig. 3, Illustrates 'swaging'. Tapering the ends of aluminum tubing reduces wind load and vibrations which cause metal fatigue.

Fig. 4, The loading and impedance matching in the Devant "1" is accomplished through loops of 1/8" aluminum rods. This matching system features a grounded element for lightning protection and static reduction.

**ONLY
\$22.76!**

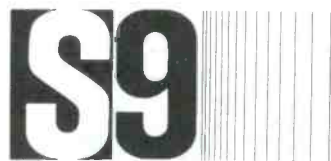


The ideal companion for the base station Devant '1' is the mobile Devant '2' featuring the famous Mosley quality construction, simplicity of installation, and easy-to-load characteristics . . . priced at only \$14.50

See the OUT-IN-FRONT Devant line by Mosley at your Dealer's showroom today! For detailed specifications and performance data write . . .

Mosley Electronics, Inc.

4610 NORTH LINDBERGH BLVD.
BRIDGETON, MISSOURI, 63044



the citizens band journal

Vol. 5, No. 6

S. R. COWAN, KBI7182, PUBLISHER

June, 1965

Cover design by Frank B. Mathews, this design is available on his QSL cards.

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

FEATURES

FCC: AFTERMATH	Tom Kneitel, KBG4303	7
Also, about "URGENT" mail.		
The FCC's Police Force	William S. Graves, KK14118	9
Are they listening to you?		
McGurk's Law	The Ol' Timer	13
Simplification of one of Radio's Basic Laws.		
Majestic Mobiles		16
Here's more of Sue and Lilia.		
CB's In's and Out's		18
The latest fad in CB.		
The truth about Selective Calling	Herb Friedman, KV11957	21
The real low down.		
S'Wonderful	Ronald L. Ives	23
The simplest tuning meter circuit.		
A QUICONVERSION	John Noland, KLK6484	25
10 Channels for 5 for less than a fin.		
Coming Event Calendar	John Krejc, KBI8077	54
More than 100 jamborees listed.		

DEPARTMENTS

Reader Mail	4
Editorial/Tom Kneitel	7
Kyle's Korner/Jim Kyle, KEG3382	28
On The Counters	32
Lab Reports	39
Antennas/Len Buckwalter, KBA4480	42
SWL Shack/Rick Slattery	43
CB Chit Chat/John Krejc, KBI8077	45
Card Swappers Unlimited	58
Washington Outlook	66

EDITORIAL STAFF

<i>editor</i>	Tom Kneitel, KBG4303
<i>edit. assistant</i>	Lilia Neira, N-1812
<i>edit. production</i>	Susan Henriksen
<i>club editor</i>	John Krejc, KBI8077
<i>contributing editor</i>	Lee Aurick, KCD5514
<i>part 15 editor</i>	Dean Detton, N-17
<i>contributing editor</i>	Jim Kyle, KEG3382

BUSINESS STAFF

<i>adv. representative</i>	Dick Cowan
<i>adv. representative</i>	Jack Schneider, 2W5669
<i>circul. mgr.</i>	Hal Weisner, KBG4528
<i>publ. consultant</i>	David Saltman

S9 (title registered U.S. Post Office) is published monthly by Cowan Publishing Corp. Executive, editorial and advertising offices at 14 Vanderventer Avenue Port Washington, L. I., N. Y. 11050 Telephone: (516) PO 7-9080
Subscription Rates: One year \$5.00, two years \$9.00, three years \$13.00 in United States and Possessions, APO, FPO, and Canada.

Printed in U.S.A. Entire contents copyright 1965 by Cowan Publishing Corp. S9 does not assume responsibility for unsolicited manuscripts. We regard all material sent to us in CB club publications as being intended for publication in S9 as a public relations gesture of the club. We cannot pay for the use of this public relations material, although we do pay for editorial material which is specifically written for us and accepted for publication.

Controlled Circulation Postage Paid at New York, N. Y.

POSTMASTER: SEND FORM 3579 TO: S9, 14 Vanderventer Ave., Port Washington, L. I., N. Y. 11050.

ATTENTION CB OPERATORS

SAVE ON CITIZENS RADIO EQUIPMENT

**Buy Used And Discontinued Models
From International Radio Exchange**

Select that extra transceiver for mobile or base installation, or equip a new station. Our stock includes International types as well as other makes.

Write Today For A Complete List Of Equipment In Stock



RADIO EXCHANGE

18 NORTH LEE, OKLAHOMA CITY, OKLAHOMA

A Division Of International Crystal Mfg. Co.
Dealing In Used Citizens Radio Equipment





READER MAIL

SKIP WORKING LICENSE

Sirs:

Regarding the "CB Skip Working License" on page 15 of your April issue: We have used this same card word for word for the last two years and several hundred of them are now scattered over the United States. They were printed for us by the W711Z Press in Eugene, Oregon, according to specifications given by my wife and myself.

Art London, KFF1336
Turner, Oregon

Editor,

Enclosed is a copy of a different design of a skip working license which I have used for some months now. The first I ever saw was from a CB'er in Georgia by the name of Gene Phillips, KDE2771. I received it over a year ago for an eyeball QSO.

Ray Cline, KHA2962
Elizabethtown, Ky.

Anyone else want to say that they saw it first? Jim Cross, whose card was reproduced in S9, tells us that he was not, in fact, the inventor of the card. A number of letters have been received here saying that everyone knows someone who has been using the card for "X months" or "X years."

FROM AN OLD FRIEND OF OURS

Dear Tom:

You had a lousy magazine this month (April), "little man." That cry baby article about the FCC not rolling over and playing dead for you was a real "lulu." Tell mama to wipe the tears outta your eyes so you see to do a better job of writing.

Irwin Hemmle
Oklahoma City, Okla.

Regular readers of S9 will no doubt recall reader Hemmle as an executive of the so-called American Citizens Band Association "national CB club," an organization which was dissected in S9 and still managed to create considerable ill will in CB and FCC circles. It was the ACBA, by the way, which tried (but failed) to organize a "CB'ers March on Washington," the same march mentioned in the article which Mr. Hemmle didn't like. We are always happy to hear from Mr. Hemmle, his candid remarks never let us forget the organization which he represents (or represented, since we haven't heard from the ACBA in several months and don't know if they are still in orbit).

CALLING ALL XYL'S!

Dear Tom:

I have a problem. The little woman has a distinct aversion to CB and can't understand why a grown man would stare at a transceiver by the hour and enjoy the

sounds which come therefrom. If your readers have some ideas on how to get the wife interested in CB I will be deeply grateful.

Jerry White, KDB6989
Savannah, Ga.

Sir:

CB was a fine and useful communications tool until the gals took over. Seems like every woman in the country has a CB rig. CB regulations? Just a scrap of paper to be violated or ignored. Perhaps the new regulations will end the chattering and eager "Brod Crawfords."

(unsigned)
Plymouth, Mass.

Jerry, you might try moving to Plymouth, Mass. If the Plymouth CB'er had signed his letter, perhaps you could have swapped houses.

CONFUSION COMPOUNDED?

Dear Sir:

I'm 15 years old and I don't care if you publish this because the situation is so fantastic that nobody will believe it anyway.

The way it started was that I sent a CB application to the FCC for a CB license. About a month or two later I had my application rejected. I was stubborn, so I sent the application back to the FCC again. They waited three weeks and rejected it again. This time I changed the class of CB station license I was requesting from "Class D" to "Class B." Two or three weeks later it bounced again. By then I figured that it was time to quit. Several months later I decided that I would be able to operate on CB if my parents had a license, so my mother filled out the application and applied (this was before the \$8 fee). Well her application was rejected too because it was received at the FCC the day after the \$8 fee went into effect. Since I didn't have \$8 to spend on a CB license I gave up.

Guess what? A week or two later a CB license bearing my name arrived.

My problem: Is it legal for me to keep this license? Can I get the license transferred to my mother's name? Can I have it cancelled? I have already gone 10-7 since I found that it might be illegal for me to have this license.

J.T.M.
Draper, N. C.

Yup, you have a problem alright. Our guess is that one of your school chums sent you a phony license in the mail as a gag.

CB CALLSIGNS

Tom:

In regards to the letter you ran from Mr. Robert Durpras of Detroit (in the April issue), I agree that the FCC should let CB'ers keep their callsigns since we had to spend \$8 to get them.

S/Sgt. Donald E. Brown, KGB1115
Ellisworth AFB, S. D.

So far as we can find out, CB stations are the only ones which lose their callsigns whenever the licenses are modified or renewed. Guess that the FCC figures if you can learn Zip codes, direct distance dialing area codes, a new version of Part 19 (oops, Part 95) every few months, a new auto tag number every year; you won't be too upset with new CB calls.

S9



Use it... mobile... base... or portable!



MESSENGER III

Fairbanks

Cape Horn

Cape Horn to Fairbanks, Alaska
 "Messenger III" goes all the way on Mercury Comet 16,200 mile durability run! Comet drivers report: Over 40 continuous days and nights, through rain, fog, sleet and snow . . . on washboard roads, some scarcely more than a trail . . . in tropic heat and frigid Arctic weather—the "Messenger III" never let them down!

For unmatched quality and dependability—GO JOHNSON!

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



E. F. JOHNSON COMPANY
7026 10th Ave. S.W. • Waseca, Minnesota 56093

WRITE TODAY for full color brochure, or see your Dealer/Distributor and ask for a demonstration!



MESSENGER TWO
Ten channels and tuneable receiver. Excellent receiver sensitivity and selectivity. Plenty of features. Delivers a penetrating signal with solid punch!



PERSONAL MESSENGERS
100 Milliwatt and 1½ Watt hand-held units: Twice the sensitivity and 40% more range than similar units with conventional circuitry!



MESSENGER
To date—one of the biggest sellers in the Citizens Band field! 5 channels—long on performance, short on cost.

BROWNING . . . for CB'ers in the know.



One to stay.



One to go.

The Browning Eagle CB base station is perfectly happy to stay at home or place of business. The receiver has RF gain control, selectivity switch for broad or narrow selectivity, cascode nuvistor front end, 12 tuned I.F. coils. The transmitter has clipper-filter stage, built-in SWR meter and 23-channel operation. Everything's complete, no extras to buy. Best performing base station you can get . . . at any price. It's bound to be better, it's by Browning!

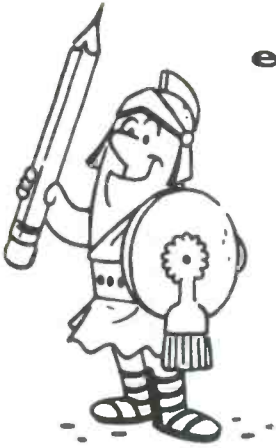
The Browning Drake M-523 likes to travel . . . by car, truck, boat, or other vehicle. It's the 23-channel mobile transceiver with the Browning base station quality features that mean perfect performance and amazing range. Compact unit measures 8" x 9" x 3". Reliable tube circuitry. Unit is complete with universal mounting bracket, 12V power supply, microphone, full set of matched crystals factory installed. Drake M-506 six-channel unit also available.

See this equipment at your franchised Browning Service Center or write factory for free color brochure. Valuable franchise territories open in Oakland, Col.; Boise, Idaho; St. Louis, Mo.; Wichita, Kans.; Nashville, Tenn.; and many other cities. Send for details.



browning
LABORATORIES, INC.

DEPT. 56 , UNION AVENUE, LACONIA, NEW HAMPSHIRE 03246



editorial

KBG4303 rides again!

by TOM KNEITEL
EDITOR, S9

FCC: AFTERMATH

I write this editorial amidst stacks of reader mail commenting on the FCC's most recent action concerning the Citizens Radio Service. One stack is from readers who think that the revised CB rules are great, another is from CB'ers who think that the rules are the worst possible fate which could possibly have befallen our little band.

The basic question remains unanswered. It's the old question of constitutional rights—whether the people have the right of free speech in the instance of Citizens Radio; plus the sub-question of whether the FCC, run by a group of less than 10 appointed public employees, can impose their will against the wishes of hundreds of thousands of citizens.

I don't want to get embroiled in any long political dissertation here, for one thing I'm no expert on constitutional law, and, in addition, little S9 is not in the business of tilting at windmills a la Don Quixote—anyway it apparently doesn't really make much difference what you or I want.

It does, however, seem to me that the individual today is, little by little losing the power to control his fate and achieve the American dream of the "pursuit of happiness." Your letters, and the FCC's action in the CB matter, bear this out.

What can you or I do about the CB rules? If you think they are "great," then you can enjoy them—and good luck to you. If you *don't* like them (and you folks are in the majority) then good luck to you too. We've tried reasoning with the FCC, we've tried petitions, letters and telegrams to congressmen and senators, here at S9 we've done editorials ad nauseum on the subject.

I guess that we're all pretty hard headed. We CB'ers are just old fashioned enough to think that it might make a difference

to the FCC if we told them what we thought would be the best ways of setting up guidelines for a service which *we* are using, especially since the law states that the FCC *must* ask for public comments on proposed rule changes.

As I said here in S9 last month, the "new" rules aren't really that much different than the "old" rules in intent—they are little more than a strongly worded restatement of the old rules with a few *relatively* minor changes. They aren't what we wanted, they aren't what we needed, they aren't going to do for the service what the FCC hopes they will do—in a word, they reflect the efforts of a small group of busy men who don't know about (or really care about) whether CB is good, bad, indifferent, or whether it exists at all, for that matter.

Well, we at S9 are *still* hard headed. As a citizen and a CB'er I still cling to the idea that somewhere in the FCC there *must* be someone who is willing to at least *try* to work out a set of CB rules which will be suitable to the needs of CB users while still measuring up to the standards necessary for Commission acceptance.

As I said, it *might* not make any difference to keep on trying to get CB a fair shake—but S9 will keep on trying. Eventually these rules *will* be made acceptable to the almost one million citizens who demand that their individual rights not be trampled upon.

URGENT?

One of the most interesting things about working in a magazine office is hearing from the readers—but the methods used to contact the magazine are even more interesting;

Continued on page 67

NOW... Courier 23

WITH

RANGE BOOST



23 CHANNELS 24 ~~23~~ FEATURES

DUAL CONVERSION • TRANSISTOR POWER SUPPLY

Still **\$189.50**
slightly higher west of Rockies

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

Send for details . . .

Name
Address
City State


eci. electronics communications, inc.
dept. S6, 56 hamilton ave., white plains, n. y.

World famous manufacturers of quality CB & BB equipment including Courier 1M, Courier 23, Courier 12, Courier 30B, Courier 50 FM, Port-A-Lab, Transistorized Power Supply, Linear Amplifier.



THE FCC'S POLICE FORCE

ARE THEY LISTENING TO YOU?

by WILLIAM S. GRAVES, KX14118

A licensed ham radio operator, faces a maximum penalty of two years in prison and/or \$10,000 fine for his violation of the Communications Act and the Federal Communications Commission's Rules and Regulations.

The first in a series of complaints came to the FCC on January 21, 1965. From then on they began to pile up at the Commission's Washington, D.C. headquarters. They all told of obscene, vile and threatening radio messages being heard on the ham band—more specifically, the frequencies assigned to MARS.

The broadcasts allegedly involved accusations against the President of the United States, the U.S. State Department, the Central Intelligence Agency and the FCC—along with extreme obscenities. Ham operators who went on the air answering the unidentified sender immediately became the targets of additional venom.

Complaints came in from such widely separated locations as Washington, D.C., Georgia, New York, Illinois, Maryland and Texas.

The FCC's nationwide network of monitoring stations was notified via teletype out of Washington and immediately went to work. Using direction finding equipment, it was just a matter of days and the point of signal emanation was established to be near Bridgeport, Ohio.

FCC mobile units, with their special electronic homing devices, then took over to zero in on the offending radio operator.

FBI agents, with a federal search warrant in hand, entered the home of 32-year-old operator on March 8, 1965. He was arrested in the act of broadcasting.

Only six weeks had elapsed from the receipt of the first complaint to the arrest of the offender. However, the FCC had done its job of fixing the location of the station in just five days.

Such is the efficient operation of the FCC's Field Engineering Bureau which has the responsibility of policing the air waves with its electronic "detectives" spotted throughout the country, Hawaii, Alaska and Puerto Rico.

Their job is protecting a valuable natural, national resource.

The 425 engineers, technicians and clerks of the Field Engineering Bureau are rightly called the guardians of the air waves or the "police force" of the FCC. (Though it is interesting to note that they have no power of arrest or seizure beyond that of any other citizen.)

Their task is to enforce and administer the laws, regulations and treaties relating to radio communications in the United States. Their concern is just as great for the off-frequency citizen's band operator as for the over-powered commercial broadcast station.

To accomplish this, the Bureau has a annual budget of more than three million dollars and operates 24 district offices, four sub-offices, two marine offices, three mobile TV vans along with 18 monitoring stations.

Heading up the Bureau, which employs one-third of all FCC personnel, is Frank M. Kratokvil. A veteran of 37 years in the business, his headquarters are in Washington, D.C.

Kratokvil and his staff of 58 moved into a bright new office building in downtown Washington on March 1st. One of the mementos of the past that moved with him is a four-foot model of a 1927 Packard panel truck—a replica of the first mobile monitoring unit. "We went first class in those days," he jokingly tells visitors. "Today it is strictly the low-priced three."

As of mid-March this year, there were more than 100 modern mobile FCC units operating throughout the country, many of them crammed



Information from the teletype is passed to the monitor on duty so that he may take swift action in coordination with other FCC monitoring stations.

with special electronic equipment designed for a myriad of tasks.

Kratokvil points out that the equipment in his 1927 Packard was way ahead of its time. But in those days their mission was much more restricted and specialized. What is now the Field Engineering Bureau of the FCC was the enforcement arm of the Radio Division in the U.S. Department of Commerce.

The field engineering operation was absorbed by the FCC when it came into being in 1934. The field force then numbered a little more than 100 with seven monitoring stations.

Electronic communications have come a long way since the FCC was set up 31 years ago this month. (JUNE) And the FCC's "police force" has moved along with the times.

The monitoring stations constantly "comb the air waves," is the way Kratokvil explains it. "They light on one service for a period of time and then move on." The CB frequencies take their turn along with the rest.

This monitoring of the radio spectrum is accomplished by nine primary monitoring stations operating 24 hours a day and nine secondary stations which have varying schedules depending on the number of personnel available.

When a violation is picked up the engineer on duty gets the particulars and records them. The offender may get a warning in the form of an advisory notice or he may get the more serious violation notice.

Violation and advisory notices are mailed out directly from the monitoring station. Local licenses are all on file there. Information on more distant stations is available almost instantly via teletype from Washington.

If the violator is interfering with communications which concern public safety, such as police or aircraft radio, he may even get a phone call from a monitoring station, though these instances are very rare. The FCC has no power short of a court order to close a station down, but Kratokvil points out that most violators voluntarily stop their operation when they are informed of the problem their station is creating.



Frank M. Kratokvil, Chief of the FCC Field Engineering Bureau, admires a replica of a 1927 Packard which was the first mobile radio monitoring unit of the U.S. Government. Kratokvil has the model on display in his Washington office.

The FCC mails out between 500 and 600 violations to CB'ers every month. This is usually more than all the other radio services combined.

Kratokvil says that most of the violations are for improper communications such as hobbing and communicating merely for communications sake. Next in line are violations for exceeding the five minute time limit on inter-station calls or failure to allow five minutes between these calls.

Technical violations such as off-frequency are also common.

The monitoring facility in Laurel, Maryland is typical of the FCC primary stations. It operates around-the-clock and has a full crew of 12 people. Hobart Johnson, the Engineer in Charge, estimates that his facility has about \$175,000 in electronic equipment.

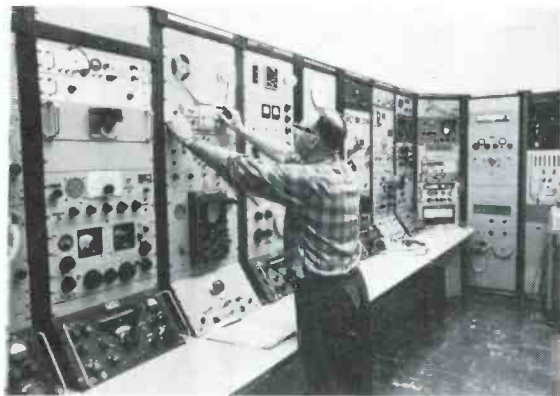
Understandably, Johnson does not wish to be pinned down as to how much time in a 24 hour period his station is monitoring the Citizen's Band. However he is quick to point out "at any moment we can be there in a hurry."

His equipment can measure frequencies, band width and the percentage of modulation of any radio transmission received. He can also determine the direction from which a signal is emanating. With the help of other monitoring stations, the exact location can be fixed within a few miles. This determination is accomplished through triangulation—the converging of three or more lines at a point.

The relative signal strength of a station can also be established by monitoring stations, but the FCC must actually test the station's equipment to determine if in fact it is over-powered.

It would appear that an over-powered station is the most difficult offense to pin down and prove. The FCC admits at least that it is the most time consuming violation to investigate, but far from difficult to prove.

Field strength meters, with which most FCC mobile units are now equipped, may give the first indication of a CB'er who is operating with more than legal five watts—or the meter may reinforce a previous suspicion. Portable equipment is then used to establish the block, the



A tape recording is often made to obtain the particulars on a violation.

building and even the room within the building where the transmitter is operating.

Once the location has been fixed, the FCC engineers then move in to test the suspect station's equipment.

No invitation and no warrant is needed to enter a suspect station. The FCC Rules and Regulations provide that the station must be available for inspection at any reasonable hour. If it is 3:00 A.M. and the station is broadcasting, the FCC considers this a reasonable hour and can demand entry.

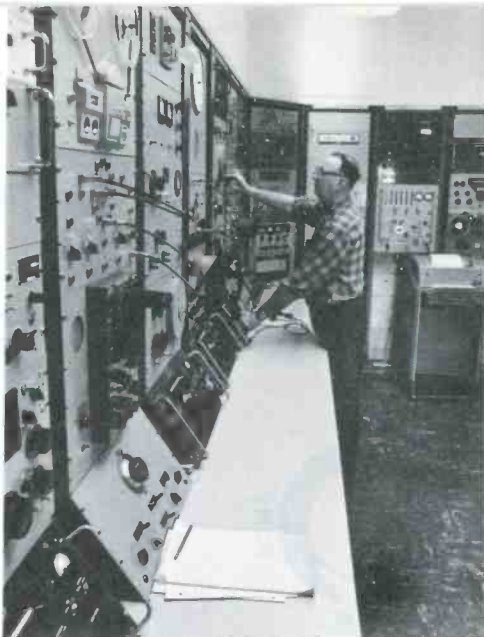
However, even when it has been established that a violation has taken place, a field engineer can not close a station or prohibit its operator from going back on the air. Only a court injunction can accomplish this.

The case of Charles Kulabonish is an example of how a federal warrant made it possible for the FCC not only to close a station but to seize its equipment. FCC officials point out that these instances are extremely rare and to date, such drastic action has never been necessary against a CB'er.

The FCC handles most offenses administratively through fines and the revocation of licenses. However, the more serious offenses—such as broadcasting obscenities—usually go directly into court. These offenses fall within the jurisdiction of the FBI which steps in with litigation when the FCC completes its investigation.

"Evening seems to be the period of the greatest frequency of inappropriate activity," Johnson explains. It is assumed that it is during these hours that the Citizen's Band receives its greatest attention by the FCC monitors. But it is also the period when some of the secondary stations are closed up and the primary ones may be operating with less than a full complement of people.

The station in Laurel has monitored CB'ers as far away as Oregon and Florida. With highly sensitive equipment and the finest in antennas, the network of monitoring stations can actually "tune in" on almost any spot in the U.S., depending on atmospheric conditions. Mobile monitoring units also extend the range of the fixed monitoring stations.



Monitoring is a 24 hour job. This monitor makes an adjustment while in the process of measuring the "drift" in frequency of a radio signal.

Johnson tells of one incident where the tape recordings made over a period of time permitted him to identify a violator. When the CB'er was broadcasting his illegal transmissions, he would never give call letters or otherwise identify his station. Comparing previous recordings Johnson was able to establish the identity by voice characteristics. He was able to prove the violation which resulted in a license forfeiture.

FCC officials stress the fact that they are not one side of the battlefield with CB operators on the other. Many FCC officials are CB'ers themselves and proud of it.

In fact the Field Engineering Bureau often goes to bat for the Citizen's Band. Kratokvil says that 50 percent of all complaints regarding TV interference received by the FCC are attributed to nearby CB operators. The FCC maintains that this problem can be corrected by the owner of the TV set in most cases. The installation of an inexpensive high-pass filter usually takes care of the problem. Most sets today have them already built in.

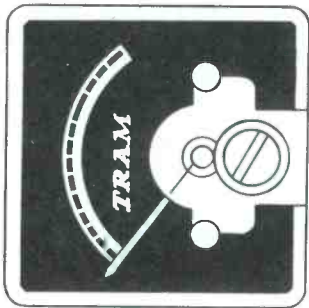
No ball game can be played without a referee. Nor can the Citizen's Band continue to operate without the Field Engineering Bureau.

Kratokvil feels that it is his function to see that the Citizen's Band Radio Service does the job for which it was intended, and that goes equally for all the other radio services operating under the authorization of the FCC.

"For every privilege there is a responsibility," Kratokvil explains. "Most CB'ers recognize this use of the air waves as a privilege and treat it accordingly."

Those who do not understand their responsibilities to the FCC and to fellow CB'ers are sure to have trouble with both.





MOD



RF

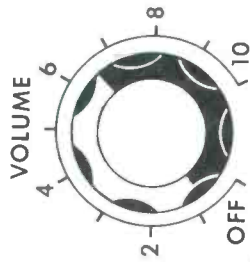


TRAM XL



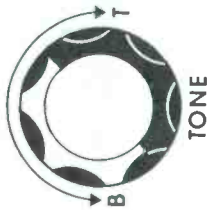
OFF

LIM

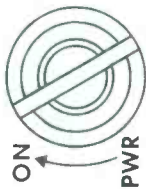


VOLUME

MIC

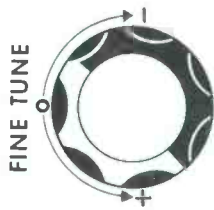


TONE

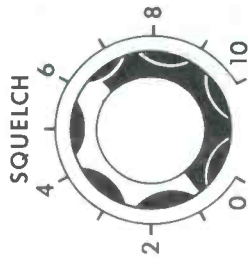


ON

PWR



FINE TUNE



SQUELCH

(ACTUAL SIZE)



"AGENT 109 REPORTING . . . HERE IT IS . . . LIFTED FROM THE DRAWING BOARD . . .
THE ALL NEW TRAM XL—23 CHANNEL MOBILE. IT'S REALLY LOADED! THAT'S ALL FOR NOW!"

F.C.C. station license required. All use must conform with Part 95, F. C. C. regulations.

TRAM  **ELECTRONICS INCORPORATED**

P. O. BOX 187, DEPT. A6 WINNISQUAM, N. H., 03289 TEL. 603-524-0652

McGURK'S LAW

SIMPLIFICATION OF ONE OF RADIO'S BASIC LAWS

THE OL' TIMER

Most of us are relatively familiar with some of the basic principles of radio theory and the application thereof. Vacuum tubes, transistors, electronic circuits behave according to natural physical laws, knowledge of which may be acquired from any good textbook. However, as we all know, puzzling problems frequently arise, and in attempts to find the solution to these problems, one important natural law is almost invariably overlooked. This is *McGurk's Law*, which if thoroughly understood, will help to explain many previously baffling phenomena, and when put to proper use, may at times be a powerful tool, as valuable, if not more so, than mathematics, physics or the screwdriver.

Through the ages, scientific brains have worked at discovering, formulating and applying the basic physical laws, and it seems incredible to this writer that *McGurk's Law* has been completely overlooked by so many so-called experts in the radio field. In fact, its existence has only been hinted at in a few now out of print references.^{1, 2}

McGurk's Law, for the uninitiated, is simply the inborn hostility of inanimate objects. The reader need only reflect for a moment to realize that inanimate objects *are* hostile—that they frequently have minds of their own, which at all times are striving to confuse us and make our path in life more difficult.

Let us take a few simple examples, familiar to everyone: Toast always falls on the floor buttered side down. It doesn't rain when you carry an umbrella. The telephone always rings when you are in the shower. The reader may call these phenomena just coincidences. Ha! Any engineer can tell you that electrical phenomena are the results of *definite causes*. The same is true of all other phenomena, even if the cause is not completely obvious.

The foregoing examples are only general illustrations of the basic applications of *McGurk's Law*. Let us now concentrate on the functioning of *McGurk's Law* in the field of CB radio, and use a somewhat more complex example.

You regularly work your mobile unit for a range of 12 miles. You have been able to accomplish this, without fail, for the past two years. One day your uncle Wilberforce gets wind of this and asks for a demonstration. He's always wanted to talk over the radio, he's hinted that if you can provide him with this thrill he might buy you that super all-channel rig with all the buttons, Nuvistors, transistors, lights and knobs. Naturally you are only too eager to co-



"... never did believe in all this tomfoolery ..."

operate, being full of CB spirit (plus the fact that Uncle Wilberforce is quite well heeled and getting along in years). The moment of truth arrives. The worst power line noise you've ever heard blankets the entire band and nothing can be heard except one of those crazy "boop-boop-bee-boop-boop" signals on Channel 23. Uncle Wilberforce goes off muttering in his beard how he never believed in all this tomfoolery of yours anyway and what did you think he was, telling him that you could talk to your mobile unit 12 miles away when the only sound your equipment could make was a second rate imitation of a buzz saw.

Next day, of course, you copy your mobile unit in another county.

Next we will consider another example familiar to all.

After six months of patiently monitoring Channel 9 so that you can be the first one to help a motorist in distress, someone (a YL, in fact, with a southern drawl) pops on with a 10-33. She's lost, out of gas, and has a flat tire. You hear her on her first call and, trembling, you answer. With baited breath you hear her reply, "Would y'all come back and repeat yoah callsign that station 'KKE76' somethin'-or-otha." Trying to be calm, you press the mike button. And here, *McGurk's aw* enters the picture. For no known reason, a fuse blows. (Subsequent investigation will show that there is nothing wrong with the rig.) BUT—having been on the air for many years and a box of fuses has been kept permanently on the table directly behind you. Without the turning of a hair (except for gray), you reach for the fuses and discover they are no longer there. After it is too late you find them on the floor behind the table. How did they get there? *McGurk's Law!*

These are not isolated cases, as one remembers that invariably long-planned-for jamborees always turn out to be on weekends during hot

1. "On the Mathematical Probability of Throwing 27 Consecutive Double Sixes." True Suicide Stories, April 1913.

2. "How to Beat The Stock Market," Investment Weekly, edition of October 12, 1929.



“. . . allow for stretching. It is guaranteed not to stretch.”

spells, cold spells, hurricanes—or the combination of all three. That such things happen at the worst of all possible times can only be attributed to *McGurk's Law*.

The reader may now say that this is all very true and unfortunate, but nothing can be done about it. Not so! If you are willing to make a few minor compromises with *McGurk's Law*, *McGurk's Law* can be made to work for you! By the application of three simple rules, you can take full advantage of *McGurk's Law*. Of course perfection is not guaranteed, but a little practice will produce surprising results. The basic principle is to ride with the tide and try not to fight it.

The following rules should be thoroughly memorized:

1. Always endeavor to make things as inconvenient for yourself as possible.
2. Assume that in whatever you are trying to do the results will be exactly opposite of what you expect.
3. The solution to any problem will be the one you wish it wasn't.

Let us see how these rules may be applied to CB radio.

I. MONITORING FOR CALLS ON 9

Problem: *You're still trying to hear that mobile YL in distress. This time you've got spare fuses in your pocket. Everyone else hears emergency traffic while you are off the air, but when you're sitting there, dazed by static, nobody needs you.*

Solution A: Apply Rule 1. Invite your boss to dinner. Buy the biggest, thickest steak you can find—money no object. The boss arrives on time and the steak is done to perfection, ready to serve. Just at this point, excuse yourself on the pretext of washing your hands. Sneak into the shack. Take a quick look for the emergency call. She'll be there.

Solution B: A similar approach. Buy tickets for a plane trip. Schedule yourself so that by the time you dress you have only ten minutes to make the airport. Just as you are leaving, turn the rig on for a second. She'll be there.

II. CARDSWAPPING

Problem: *How can you extract QSL's from those hard-to-get foreign swappers?*

Solution A: Rule 2 may be applied as follows. You have several addresses in the same rare country—let's say four. With the first three, give the full treatment—air mail, International Reply Coupons, your custom designed six-color QSL card, photographs of you at the rig, etc. According to Rule 2, no results will be forthcoming. On the fourth swap, do *not* apply the full treatment. Don't even send him a QSL. Take an old cruddy piece of notebook paper and write to the fellow. Tell him that you *aren't* a swapper, you have no QSL's, so if anyone should pass along your name to him, he shouldn't send one because you'll throw it away. Card from Number four will arrive in one week.

Solution B: If the swapper happens to be the only fellow who swaps in the entire country, the approach would be more like this: Send him a card in the ordinary way. Casually remark that you would like his card. After the first year has gone by give up and decide that a more radical approach is needed. Send him a ten year subscription to S9. Take that spare CB rig, put it in a box and mail it to him.

When you return from the post office, you find that his card was in the last mail delivery—you hadn't seen it lying on the hall tale.

III. SERVICING EQUIPMENT

Problem: *You turn on the rig and smoke comes out.*

Solution A: Apply rule 3. The smell tells you that it's a carbon resistor—but which one? (It could be found out by normal servicing means, of course, but by the use of *McGurk's Law* the trouble may be located without instruments.) Look beneath the chassis for the can with the greatest number of leads to be unsoldered. Remove this can and all of the parts inside it. The last resistor you take out will be the one you are looking for.

Solution B: Rule 3 again. Take the rig's parts list to all local CB shops. Find out if replacements are available. You will find one component

which cannot be obtained for at least eight weeks. That's it.

IV. CONSTRUCTING EQUIPMENT

Problem 1: To hang a long wire antenna which will not stretch and sag.

Solution: (By now this ought to be a cinch.) Cut the antenna about a foot too short, to allow for stretching. It is guaranteed not to stretch.

Problem 2: (This is an important application of Rule 2.) To build a mike preamp which will not oscillate.

Solution: Select a schematic for an oscillator. Nothing under the sun will make it oscillate. Conversely, all oscillators you wish to construct should be built as amplifiers.

If the reader has carefully studied the above rules and examples, the basic principles of *McGurk's Law* should be at his command. Further examples should suggest themselves. However, no course is complete without homework, so the following problems should be worked out.

The answers, barring *McGurk's Law*, should appear on page 66.

HOMEWORK QUESTIONS

1. How will you find the correct answer to that sticky technical question you have regarding the length of antenna lead to use?

2. A CB'er moves to a new town. Where will he be able to find a house which is readily available and within his income bracket?

3. By some apparent failure of *McGurk's Law*, you locate a house to buy which has an ideal CB location and possesses a nice high roof. What will happen on the day the mortgage is signed?

4. Neighbor A is 5'3" and weighs 115. Neighbor B is 6'6" and tips the scales at 250 pounds—a former boxer. Which will have severe TVI?

5. Determined to avoid TVI, you move to a town where there are no TV stations. Soon thereafter you learn that a new TV station will go on the air within a month. Which of the 82 TV channels will it use?

6. You have one last coax connector to solder before completing your antenna installation. When the job is completed, where is the tubular screw-on "collar" portion of the connector?

7. For two weeks your rheumatism has been keeping you in agony but your doctor is away on vacation. But by the day he returns you feel fine, take a drive, run out of gas on the outskirts of town. What happens when you call for help on the CB rig?

8. You finally get up enough courage to write a stinging letter to S9 complaining about an editorial. The letter is a triumph of wit and sarcasm—really withering, something which will make Kneitel tremble and you big man on the band when it is published in the "Reader Mail" column. What happens?

9. After spending 3 hours calling on Channel 9 for someone to bring gas for your stranded mobile unit, your battery finally dies. How come you got no reply?

10. A faulty tube in your rig is replaced by a new one, right out of a carton. What is the mathematical probability that the new tube will also be defective?

S9

send for New FREE

CRYSTAL CATALOG

... with New
TRANSISTOR OSCILLATOR CIRCUITS

Citizen Band Class "D" Crystals

CITIZEN BAND CLASS "D" CRYSTALS

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

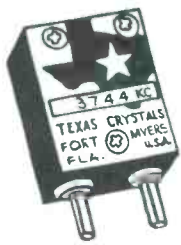
\$2.95
EACH

All 23 megacycle frequencies in stock: 26.965, 26.973, 26.985, 27.003, 27.013, 27.023, 27.033, 27.033, 27.063, 27.073, 27.083, 27.103, 27.113, 27.123, 27.133, 27.153, 27.163, 27.173, 27.183, 27.203, 27.213, 27.213, 27.223, 27.233, 27.253,

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 21 MC	\$4.50 ea.
	22 to 29 MC	\$3.85 ea.
	30 to 52 MC	\$4.50 ea.
	52 to 100 MC	\$6.00 ea.
FUNDAMENTAL FREQ. SEALED	From 1601 KC to 2000 KC	\$5.00 ea.
	From 2001 KC to 7000 KC	\$3.50 ea.
	From 7001 KC to 10,000 KC	\$3.25 ea.
RADIO CONTROL	Specify frequency .05 pins spaced 1/2"	
	(Add 15¢ for .093 pins)	\$2.25 ea.



QUARTZ CRYSTALS FOR EVERY SERVICE

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

FT-243 holders Pin spacing 1/2" Pin diameter .093	MC-7 holders Pin spacing 3/4" Pin diameter .125
CR1A/AR holders Pin spacing 1/2" Pin diameter .125	FT-171 holders Pin spacing 3/4" Banana pins

MADE TO ORDER CRYSTALS . . . Specify holder wanted

1001 KC to 1600 KC: .005% tolerance	\$4.50 ea.
1601 KC to 2000 KC: .005% tolerance	\$3.55 ea.
2001 KC to 2500 KC: .005% tolerance	\$3.25 ea.
2501 KC to 9000 KC: .005% tolerance	\$2.75 ea.
9001 KC to 11,000 KC: .005% tolerance	\$3.25 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

IF YOUR PARTS DEALER DOES NOT STOCK TEXAS CRYSTALS, OR IS OUT OF STOCK, SEND TO THE FACTORY NEAREST YOU! Minimum order, check or C.O.D., is \$5.00. Remember to add postage and handling. 5¢ per crystal—10¢ for airmail.

3 PLANTS TO SERVE YOU BETTER

ORDER FROM CLOSER PLANT
TEXAS CRYSTALS

DEPT. 5
1000 Crystal Drive
FORT MYERS, FLORIDA
Phone 813 WE 6-2109

Division of

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



MAJESTIC MOBILES

WHAT'S NEW IN MOBILE RADIO

Our two news-gathering gals, Lilia and Sue took a trip to the recent International Automobile Show to see how the new cars were doing in respect to being two-way radio equipped. Here are some of the new gadgets they discovered.



In the rear seat of this Ford LTD Executive they found not only a telephone, but a tape recorder, a bar, and what they call "very fuzzy carpeting."



Listening to her British Telephone Company handset, Susan tenses as she receives a confidential message from James Bond, Agent 007. This radio telephone was located in the door of Bond's super fantastic Aston Martin DB-5 which was featured in the film *Goldfinger*.



The gals discovered a CB rig tucked away under the dash of a nifty looking Excelsior SS sports car. It took quite a bit of coaxing to pry Sue from this elegant chariot.



A big hit with both gals was this fire-engine red Ford Mustang 2+2, which lends itself to very exotic mobile CB'ing. Lilia patiently awaits her turn behind the wheel and mike.

***se·lec·tive** (sĭ lĕk'tĭv) *ad.*

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



*CONTACT!-23

AT LAST! SELECTIVITY THAT REALLY SELECTS!

The Contact!-23 has achieved exceptional selectivity through the use of a true Mechanical Bandpass Filter — similar to that found in far more expensive ham equipment.

AND THERE'S LOTS MORE TO THE CONTACT!-23

You get crystal control on all 23 channels, both Transmit and Receive, via a synthesized circuit — all crystals included.

- Illuminated, angled front panel
- Built-in speech compressor
- Fine tuning
- Illuminated S & RF meter
- Modulation indicator
- Transistorized power supply, 12V and 110V
- Cigar lighter plug-in
- Electronic switching
- Earphone jack
- PA system jack

Complete with: microphone, cords and snap lock mounting brackets.

USL CONTACT!-23 \$19950



USL CONTACT!-8 \$14950

Illuminated, angled front panel. 23-Ch. tunable receiver with illuminated dial. 8-Ch. crystal-controlled transmit & receive. 1-Ch. external crystal socket—transmit & receive. Transistorized power supply. Illuminated S & RF meter. Crystal spotting. Electronic switching. PA system jack. Complete with: microphone, cords, 1 pr. of crystals and snap lock mounting brackets. Cigar lighter plug-in, easy to install. Nuvistor low noise front end.

USL T 1050 A \$11995

23-Ch. tunable receiver with illuminated dial. 6-Ch. crystal-controlled transmit & receive. Illuminated S & RF meter. Crystal spotting. Earphone jack. Nuvistor low noise RF front end. 6V or 12V power supply available (optional extra). Unit comes complete with: microphone, AC cord, 1 pr. of crystals and mobile mounting brackets. Squelch & full series noise limiter. TVI trap. Signal-to-noise ratio: better than 10 db at 1 microvolt. Full plate modulation.



UNITED SCIENTIFIC LABORATORIES, (KKD5719)

Division of Vernitron Corporation

35-15 37th Avenue, Long Island City 1, New York

Dealership inquiries invited

CB'S

INS AND OUTS

WITH APOLOGIES TO
ESQUIRE AND CAR & DRIVER MAGAZINES

Last January, in the Editorial, we ran a few of the "in" and "out" things in CB. To say that this was a success would be an understatement—we had suggestions for additions to our list. We put them all together, combined them with some suggestions from staff members, and here's what we came up with.

Knowing somebody at the FCC by their first name is In.

DISTRIBUTING JOHN BIRCH SOCIETY LITERATURE AT YOUR CB CLUB MEETING IS OUT, UNLESS YOU LIVE IN SOUTHERN CALIFORNIA, WHICH IS IN ONLY IF YOUR MOBILE UNIT IS A 1957 T-BIRD.

Owning a Rutherford or Lakeshore CB rig is In.

Getting a very angry letter printed in S9 is In, but if your name is spelled wrong in the issue, that's even more In.

Pronouncing John Krejc's last name correctly the first time is most definitely In.

WEARING YOUR QSL CARD PAPER-CLIPPED TO YOUR LAPEL AT CB JAMBOREES IS OUT.

CB'ers who say that you're off frequency are Out, unless they measured your frequency on a Heath "Lunchbox" rig. The Heath "Lunchbox" is, by the way, about the most In rig you can use.

ACDA member number 9987 is In.

Sets which work only when you bang on them with your fist are In, especially if they are botched up as a result of a modification which worked great in your friend's unit.



Telling Tom Kneitel that you drive a Jaguar is about as In as you can be with TK—if you should want to be In with him in the first place (by the way, being In with TK is Out).

The most In thing you can steal is a QSL card from either Frank Karcher or Dan Guthrie.

A CB equipped Volkswagen with a 102 inch whip is In, but people who drive VW's (and pre-1965 Corvairs) are Out.

OWNING A COMPLETE BROWNING BASE STATION AND NOT TELLING ANYONE ABOUT IT IS IN.

Coming up with ideas to improve CB is In, doing it six months after the same idea ran in S9 is Out, unless you read CB Magazine, which is also Out.

Calling the S9 office just to try to get a date with Lilia or Sue is Out, except if they say "yes," which is In.

Wearing an ACBA lapel pin is Out, except when appearing at an FCC Show Cause hearing, which makes it so far Out that it's In.

Knowing the nickname the girls in the S9

office call Tom Kneitel behind his back is In, but calling it to TK is Out.

People who use the expression "10-100" are Out, so is everyone who says "a BIG 10-4" and "what can I tell ya?"

Digging the sounds on WMCA or KSFO while mobile is In. Living in areas where these stations aren't heard is Out.

ATTEMPTING TO GET LILIA TO TELL YOU ABOUT CHINQUINQUIRA OR CARTAGENA IS IN. BUT ACTUALLY DRAGGING THE STORY FROM HER IS OUT. SAME GOES FOR SUSAN AND HER ROLLER DERBY TROPHY. HER STORY ABOUT THE KARATE WITH THE GIANT RABBIT. ALSO ASKING SUE ABOUT P.J.'S IS IN (UNLESS YOU'RE UNDER 25).

Having a complete file of all issues of CB Horizons is In. Knowing the whole story behind the magazine's brief and stormy history is almost as In as you can get, but only if you heard the story from someone who worked there.

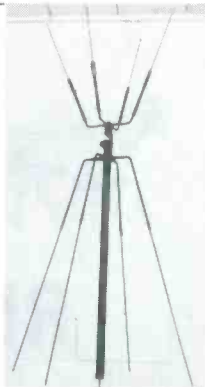
If you had to read this article to find out which things are In and Out, you're Out.

\$9

New Concept in a BASE STATION ANTENNA

Area need for mounting is less than 4". Small mounting area makes a compact, damage free base antenna. Manufactured of highest grade aluminum.

LIST **\$54⁹⁵**



... new in electrical superiority ... New in mechanical superiority. new in signal-to-noise ratio. new in optimized angles ... new in size, weight and wind resistance ... new in ease of installation ... new in design.

EFFECTIVE RADIATED POWER USING 5 WATTS INPUT		
Ground plane	3 watts	SWR 1.10:1
End fed half wave	4 watts	1.10:1
End fed 5/8 wave	5.2 watts	1.15:1
RANGEMASTER	7.1 watts	1.20:1



DEALERS WANTED

RESEARCH

BRIGHTON, MICHIGAN

NOW... You can have your PR's Calibrated .002%



CB operators who have switched to .002% PR CRYSTALS are more than enthusiastic about the advantages of closer tolerance. They agree it is worth many times the extra dollar it costs. If your CB dealer doesn't have them in stock, he can get .002% PR CRYSTALS for you in a hurry. Ask him.

Z-9R — .486" pin spacing; .050" pin diameter; .758" above pins; width .720"; depth .309".

Calibrated .005% \$2.95 Net

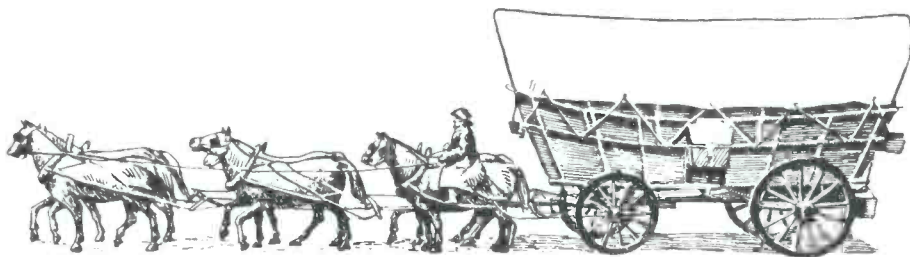
Calibrated .002% \$3.95 Net



Z-13 — New small size, for transistorized and compact equipment. .192" pin spacing; .530" height above pins; width .402"; thickness .150"; .040" diameter pins.
.005% \$2.95 Net
.002% \$3.95 Net

PR Crystals

PETERSEN RADIO COMPANY, INC.
2800 West Broadway, Council Bluffs, Iowa



READERS' BONANZA!

TAKE YOUR PICK OF THESE GIFTS!

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

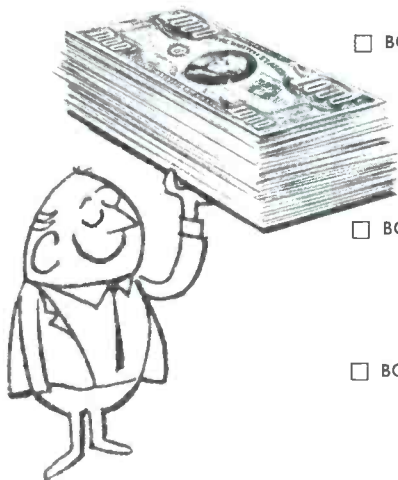
BONUS ITEM #1 — Large 3 inch, 3 color, "Monitor Channel 9" decal. Regularly sells for 50¢.

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

BONUS ITEM #3 — Membership in the Association to Condemn Detrimental Associations (ACDA), now the world's largest do-nothing CB club. No officers, no program, it was patterned after one of the so-called "national" CB clubs. You get a big red and gold certificate for your wall with this one.

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

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



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

THE TRUTH ABOUT SELECTIVE CALLING

By HERB FRIEDMAN, KBI1957

One piece of equipment often overlooked by the average CB'er, but which can be a decided asset, is a selective calling adaptor: a device which turns the receiver "on" only when keyed by a specific tone. Sure it's nice to be able to monitor a channel continuously but there are times when one can't have the receiver going continuously; a conference or discussion should not be chopped up by every call on a monitored channel. Or perhaps the wife would like some peace and quiet but still be able to receive family calls.

Perhaps you've been touted off selective calling devices by well intentioned but incorrect advice that these devices prevent you from receiving "standard" non-coded signals. Well it's not true. Selective calling is an option used at the user's discretion and in no way interfere's with a transceiver's "standard" performance.

For example, consider a typical unit, Lafayette Radio's "Priva-Com." The Priva-Com is a combination encoder-decoder; it transmits the key tones when you want to *activate* another station, and it activates your transceiver when you are called with the proper tone pulses.

The Priva-Com is passive, that is, there are no tubes or transistors to go out-of-wack, so repairs and maintenance requirements are almost non-existent.

A three position switch controls all functions. In the center position the receiver works just as it always did; as far as you're concerned the Priva-Com doesn't exist. By throwing the switch to *standby* the receiver is muted (squelched) and no signals can be received. When the calling station transmits the correct tone sequence the Priva-Com releases the muting and you hear the paging tones. The calling station can even trip the tones several times to produce a string of paging beeps at the receiving station. Once the Priva-Com is activated by the tones you receive and transmit in the normal manner. When the contact is

completed you simply reset the function switch and the receiver mutes until the next controlled signal is received.

The Priva-Com also has provision for remote signaling. An internal relay is pre-wired to sound the car horn or a remote office buzzer or bell when the device is tripped.

To use your transceiver to originate a call you just pull the function switch down to the call position and your transmission will be preceded by a tone burst to open up the receiving station.

As in the receiving mode the Priva-Com doesn't interfere with normal transmitter operation. When the function switch is set to *normal* you use the push-to-talk just as always.

Connecting the Priva-Com is a rather easy task, and generally doesn't require a serviceman. All new Lafayette transceivers are pre-wired for the Priva-Com so you just have to plug it into the factory installed socket on the transceiver's rear apron. On transceivers of other manufacture you must install an octal socket on the rear apron and connect a few wires—no major modifications, and only the audio circuits are affected. Complete wiring instructions which apply to—as far as we can tell—all transceivers are provided (carbon mikes excepted), and the modifications do not affect normal transceiver operation.

The Priva-Com can be removed from the transceiver circuit at any time by just disconnecting the plug and substituting a *jumper plug*.

To avoid the possibility of everyone in the same area tripping all selective calling equipped rigs, the tone sequence and control can be user selected.

So you see, selective calling does not preclude general channel monitoring or interfere with standard transceiver performance. Rather, it is just another way to improve radio communications.

S9

DEMCO "Travelier" transceiver



23 channels

specifications

TRANSMITTER

- 23 channel crystal control switching (Channel 9 supplied)
- High efficiency 5 watts input. 6417 R. F. amplifier.
- Calibrate and spotting switch for alignment of receiver with transmitter frequency.
- Heavy duty push-to-talk relay with positive action.
- Modulator designed for 100% distortion-free audio power with "punch."
- Ceramic microphone with magnetic dash mount.
- 12 volt DC Transistorized Power Supply.

RECEIVER

- 20 tube performance with 12 tubes
- 5 diodes
- A unique .1 microvolt ultra-sensitivity and selectivity of 3.5 KC at 6 DB down.
- Tunable on all 23 channels with 4 crystal receive channels for precise communication.
- Dual conversion IF
- Squelch will open at much less than 1 microvolt.

unbelievable . . . but true

—the performance you will get with the Demco 23 channel Travelier Transceiver.

Try it for yourself. Compare its sensitivity; note the 100% modulation, talk power, and range. Its superior performance is no accident. The Demco Travelier is designed better and built better to bring you the only mobile rig that will do everything.

Good looking, too. Triple plated chrome cabinet for lasting beauty; large, easy-to-read, illuminated dials. Even the mounting bracket is heavily chrome plated.

Thousands of discriminating CB'ers have acclaimed Demco quality. Once you, too, have tried the Travelier you will understand the reason. Visit your Demco dealer or mail in the coupon for further information.

(Ask about the Satellite Base Station and other fine CB products from Demco, too.)

Demco Electronics, Inc. / Bristol, Indiana

Please rush details and specifications on Travelier Transceiver.

Name _____ CB Call _____

Address _____

City _____ State _____ Zip No. _____

S' WONDERFUL

THE SIMPLEST TUNING METER CIRCUIT

by RONALD L. IVES

Most receivers incorporating a tuning meter also have a diode detector—AVC rectifier, and obtain signal strength indications by measuring the AVC voltage by some means. This voltage, with most receivers, has a maximum value of up to 40 volts with the strongest signals; and the AVC voltage varies approximately as the logarithm of the signal strength.

Inspection of a number of diode detector—AVC rectifier circuits shows that the resistance between AVC takeoff point and ground is from about .5 to about 2 megohms. In consequence, maximum current in the circuit, resulting directly from signal rectification, is from 80 to 20 microamperes—well within the range of a standard panel meter—so that direct measurement of signal strength is entirely feasible. All that is needed is a microammeter having a range of 20 or more microamperes, some sort of an AF filter, and a shunt (in some instances) to reduce the meter reading somewhat.

Connection of the meter to various diode circuits are shown in Fig. 1. The most common circuit is shown in 1A, with the meter connected at the ground end of the resistor string. Audio pulsations are kept out of the meter by use of an 8 uf. 25 volt capacitor; and the range of the meter is reduced, if necessary, by a resistive shunt. As the meter movement has quite a bit of inertia, the damping capacitor need not be as large as a simple R-C computation would suggest.

Where a separate AVC diode is used, meter connection is as in Fig. 1B, the same value of damping capacitor being adequate. With the relatively new and highly effective Makino detector—noise limiter, meter connections are shown in Fig. 1C. The meter will work equally well with this circuit if it is inserted in series with the upper 27k resistor, will read slightly higher on a given signal if so connected, but will also respond slightly more to noise pulses. As both of these effects are very slight, convenience, rather than theory, will tell where to connect the meter.

Choice of the tuning meter range to specify depends upon the current in the diode circuit and is quite simply computed by use of Ohm's Law, once the AVC voltage on the loudest signal likely to be received is measured. Use a VTVM for this measurement, not a 1,000 ohms per volt test set.

If the current in the diode circuit is 20 microamperes or more, as is almost always the case, insertion of a tuning meter is practicable. Standard calibrations are 0-20 and 0-50 microamperes. Most small receivers will be in the 20 microampere range, while larger receivers (RF and 3 IF) are likely to have over 50 microamperes in the diode circuit. Because a 50 microampere movement, which has a resistance approximating 4750 ohms, has a better damping characteristic

Continued on page 68

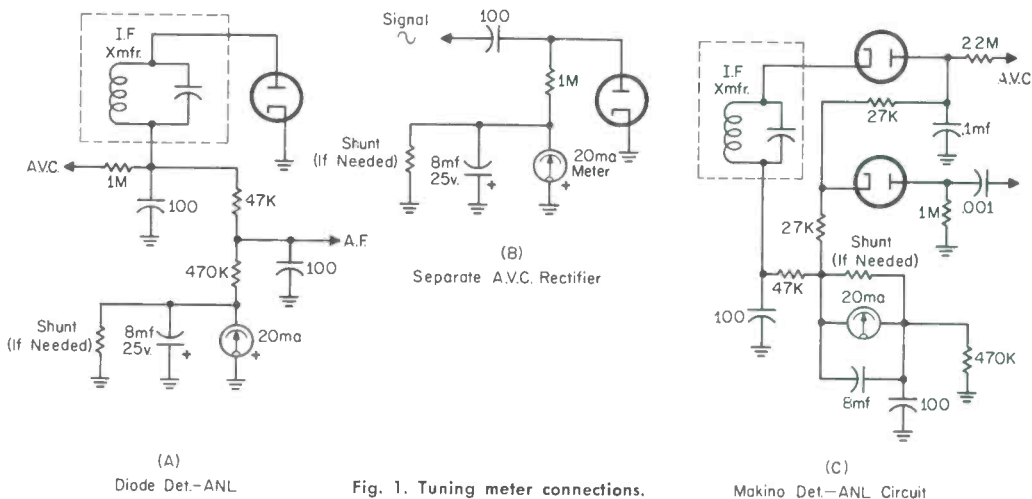


Fig. 1. Tuning meter connections.

Write to our advertisers for special product news

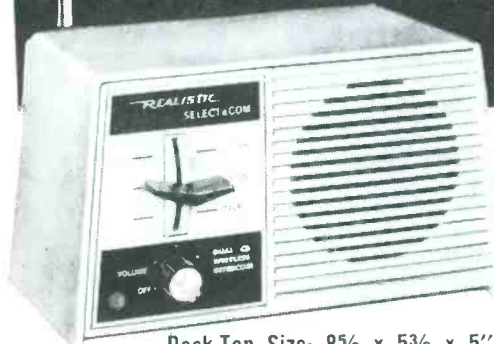
WOW!

RADIO SHACK HAS CB FOR UNDER \$50

REALISTIC

SELECTaCOM

WORLD'S FIRST DUAL-POWER CB TRANSCEIVER & WIRELESS INTERCOM



Desk-Top Size: 8 3/8 x 5 3/8 x 5"

The SELECTaCOM — attractively office-styled in a high-impact beige case, and the only NEW intercom to appear in 15 years! SELECTaCOM Order No. 21-1160; Ship. wt. 6 lbs.



it's a wireless 100mw intercom!

House electrical wiring is NOT used to transmit! SELECTaCOM transmits the wireless CB way with crystal-controlled stability on Ch. 5. Use it with any number of similar units for an intercom "net"; also receive Ch. 5 signals from mobile or walkie-talkie CB sets! No license; no mike needed.

it's a dual 100mw/3W CB transceiver!

Low power (100 mw) operation with built-in telescoping antenna gives you NO LICENSE communications. Flip to high power, plug in external antenna for full 3-watt operation on quiet Ch. 5. It's a versatile "telephone" for the space-age.

it's sold only by Radio Shack stores!

And the Realistic SELECTaCOM is actually priced below "close-outs". The only desk-top CB on the market—and the world's first "CB intercom"! Order by mail or buy it at your nearest RADIO SHACK store. External antenna \$9.95, no. 21-9011.

49.95

PAIR
99.50

YES... You can buy "ON TIME"

AT ALL 55 RADIO SHACK STORES Coast-to-Coast

Mail to the Radio Shack Nearest You

Introductory Special! We Will Fill Your SELECTaCOM Order for 50c a Unit (Postage & Handling) Anywhere in the U.S.A.

Send Free Radio Shack Bargain Catalog #PE-465

Name _____

Street _____

City _____ State _____ Zip _____

- CALIFORNIA
 - BAKERSFIELD — 1308 19th St.
 - DOWNY — Stonewood Shop. Ctr.
 - LA MESA — Grossmont Shop. Ctr.
 - LONG BEACH — 127 W. 7th St.
 - LONG BEACH — 3976 Atlantic Ave.
 - SAN LEANDRO — Bay Fair Shop. Ctr.
- CONNECTICUT
 - HAMDEN — Hamden Mart. Shop. Ctr.
 - MANCHESTER — Manchester Shop. Parkade
 - NEW HAVEN — 92 York St.
 - NEW LONDON — New London Shop. Ctr.
 - STAMFORD — 29 High Ridge Rd.
 - WEST HARTFORD — 39 So. Main St.
- ILLINOIS
 - CHICAGO — Evergreen Plaza at 95th St.
- NEW HAMPSHIRE
 - MANCHESTER — 1247 Elm St.
- NEW MEXICO
 - ALBUQUERQUE — 6315 Lomas, N. E.
- NEW YORK
 - NEW YORK — 1128 Ave. of the Americas
 - SYRACUSE — 3057 Erie Blvd. East

- MASSACHUSETTS
 - BOSTON — 167 Washington St.
 - BOSTON — 594 Washington St.
 - BOSTON — 110 Federal St.
 - BRAINTREE — South Shore Plaza
 - BROOKLINE — 730 Commonwealth Ave.
 - CAMBRIDGE — Fresh Pond Shop. Ctr.
 - FRAMINGHAM — Shoppers' World
 - LOWELL — Central Shop. Plaza
 - SAUGUS — N. E. Shop. Ctr.
 - SPRINGFIELD — 1182 Main St.
 - WORCESTER — Lincoln Plaza
- MAINE
 - PORTLAND — Pine Tree Shop. Ctr.
- MINNESOTA
 - ST. PAUL — 16 E. 6th St.
- OKLAHOMA
 - OKLAHOMA CITY — Mayfair Shop. Ctr.
 - TULSA — 317 South Detroit St.
- OHIO
 - CINCINNATI — 852 Swifton Ctr.

- PENNSYLVANIA
 - PHILADELPHIA — 2327G Cottman Ave.
 - PHILADELPHIA — 1128 Walnut St.
- RHODE ISLAND
 - CRANSTON — 1301 Reservoir Ave.
 - EAST PROVIDENCE — Shoppers' Town
- TEXAS
 - ARLINGTON — Collins at Park Row
 - DALLAS — 1601 Main St.
 - DALLAS — Medallion Center
 - DALLAS — 125 Wynnewood Village
 - FORT WORTH — 1515 So. Univ. Dr.
 - FORT WORTH — 900 East Berry St.
 - FORT WORTH — 3524 East Denton Highway
 - HOUSTON — 2315 Travis St.
 - HOUSTON — 322 Northline Mall
 - HOUSTON (Bellair) — 4759 Bissonnet
 - SAN ANTONIO — Wonderland Ctr.
 - WACO — 1016 Austin Ave.
- VIRGINIA
 - ARLINGTON — Washington-Lee Shop. Ctr.
- WASHINGTON
 - SEATTLE — 2028 Third Ave.

A QUICONVERSION

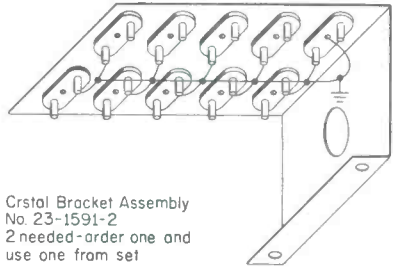
CONVERT THE JOHNSON 5 CHANNEL INTO A 10 CHANNEL UNIT FOR UNDER \$10.00

by JON NOLAND, KLK6484

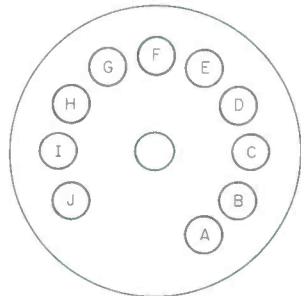
One of the most popular if not the most popular transceivers up to a couple of years ago is the Johnson Messenger 5 channel. Even today, the basic circuitry of the unit has been incorporated into Johnson's Messenger Two with two notable exceptions: the Messenger Two is a 10 channel unit with 23 channel tunable receiver and it has two additional I.F. amplifiers. In less than 3 hours I converted the 5 channels of my Messenger into a 10 channel unit for \$8.00—less crystals of course!

The parts needed are listed as follows and can be ordered through your local dealer or directly from the F. F. Johnson Co. of Waseca, Minn. One each of the following is needed; crystal hold down assembly, cat. no. 23-1384-1; crystal bracket assembly, cat. no. 23-1591-2; switch, cat. no. 22-1922-1; and if you want some method of indicating the 10 channels, Johnson makes a plastic piece called a channel indicator, cat. no. 23-1594-1. In addition to the above, two 470 ohm $\frac{1}{2}$ watt resistors will be needed. Order these parts at least two weeks before you plan to make the conversion, for it was my experience that it took that long to receive the parts.

After removing the cabinet from the set, proceed to disconnect the original switch and crystal bracket assembly. Three wires will be found going to the original unit—a yellow wire which goes to the transmit crystals, a white wire which goes to the receive crystals, and a black wire which is grounded. When removing these wires, try to keep them as close to their original lengths as possible. The 1964 ARRL handbook gives some leeway when they



Crystal Bracket Assembly
No. 23-1591-2
2 needed—order one and
use one from set

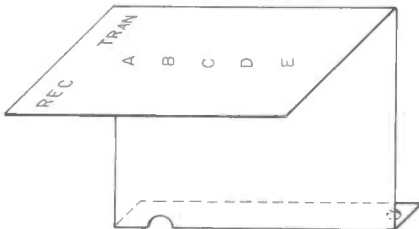


Channel Indicator
No. 23-1594-1
optional—order

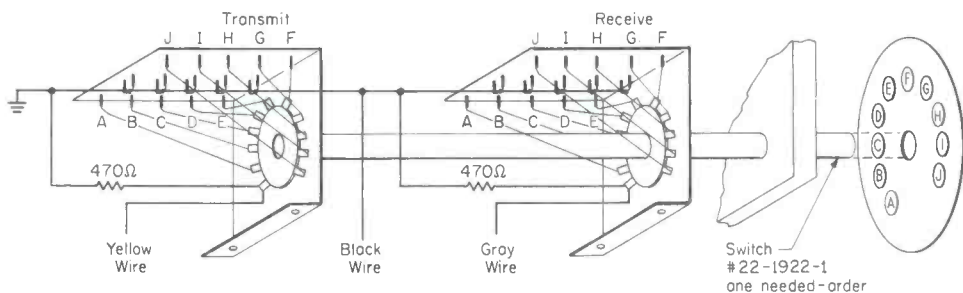
say on page 143 “. . . frequency depends almost entirely on the dimensions of the crystals . . . the other circuit values have comparatively negligible effect.” Either unsolder these wires from their terminals on the switch or else snip them with pliers as close to their switch terminals as possible.

Remove the crystals hold down assembly if you haven't already done so and proceed to remove the two bolts holding the crystals bracket assembly to the chassis. Remove the channel selector knob from the front panel and remove the switch and crystal assembly from the set. Before going further, enlarge slightly the hole in the front panel, as the shaft of the new switch is slightly larger than the old one.

Unsolder the wires which run from the crystal sockets to the switch. There will be 10 wires in all, and unsolder them where they connect at the switch. Also disconnect the 680



Crystal Hold Down Assembly
No. 23-1384-1
2 needed—order one and use one from set



ohm resistor and discard both switch and resistor for only the bracket assembly will be used from the original equipment.

Loosely assemble the double gang switch with the two crystal bracket assemblies and check their alignment with the hole in the

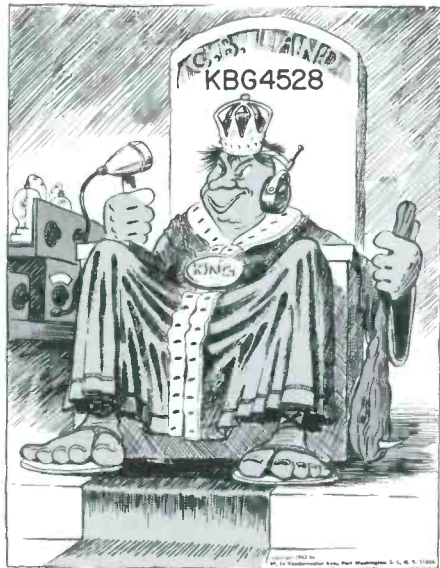
front of the panel. The hole in the new bracket will have to be lowered, as it is too high for the original hole in the panel to be utilized.

After all mounting holes have been properly lined up, connect the inner or center two rows of the new crystal socket terminals with a common wire as was done on the original bracket assembly at the factory. Hook up the wires from the outside two rows of socket terminals on the original bracket assembly to the terminals on the new switch. Do the same with the new bracket assembly after measuring the new wires to be as close to the lengths of their counterparts on the original bracket assembly as possible. Be sure that socket "A" in the original unit will be on when socket "A" in the new bracket assembly is on, and so forth. Take one of the 470 ohm resistors and connect it from the pole terminal of one switch, and ground the other end, and follow suit with the other resistor on the other switch. Connect the yellow wire to the rear bracket assemblies pole terminal and the white wire to the front bracket's pole terminal. With a length of wire connect the grounded terminals on one bracket assembly with those of the other bracket assembly, and then connect the black wire to some point of this grounding.

Bolt down the brackets in their respective positions. Use the original holes for original bracket assembly, and holes are already provided for the new bracket assembly. Two holes will have to be drilled for the new crystal hold down assembly. Place the receive crystals in the forward bracket assembly, and the transmit crystals in the corresponding sockets in the rear assembly. Fasten the crystal hold down assemblies over the crystals.

Finally, if you ordered the channel indicator plate, take it and remove the metal piece from the plastic. With a grinding wheel grind down a small portion of the plastic so that it will fit over the switch shaft on the outside of the panel, since it will not fit inside the set. Glue this piece in place, turn on your set, and you're on the air!

HEY BUDDY!



If this doesn't shake up visitors at your shack, nothing will. It's a big 8½ by 11 three color poster showing S9's famous "King of the CB Band." Your callsign or name is personalized across his majesty's throne.

Want one? Send 50¢ in coins (no stamps or checks please) to: "King of the Band," S9 Magazine, 14 Vanderventer Avenue, Port Washington, N. Y. 11050.



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



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

channels; dial marked in both channel numbers and frequency

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

...HOW COME THE NEW MARK NINE IS WORTH \$20⁰⁰* MORE?

It has all the Mark VIII features—PLUS these additional features...

- Combination “S” Meter and Relative RF Output Meter. “S” Meter indicates the relative strength of incoming signal in “S” units. RF Output Meter (EO) indicates relative strength of the signal being transmitted.
- Spotting Switch. Permits precise manual tuning of receiver without use of receiver crystals. Receiver can be tuned (or “spotted”) quickly to any incoming channel for which you have a transmit crystal. This means, when you buy crystals for extra channels, you can (if you wish) omit the RECEIVE crystals and buy only TRANSMIT crystals. This feature alone pays the price difference if you use a number of channels.
- External Speaker Jack. Lets you connect an external speaker to the set, so incoming calls can be heard in remote locations.



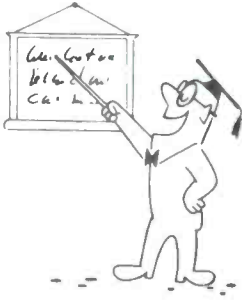
GET THE FACTS. Write for free descriptive folder on either the Mark VIII or Mark Nine to: Commercial Engineering, Department F 132 R, RCA Electronic Components and Devices, Harrison, N. J.

Available Through Your Authorized RCA C-B Radio Distributor



The Most Trusted Name in Electronics

*Optional distributor resale price.



KYLE'S KORNER

WRITE TO:

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

It's that time again—and you all are really beginning to get into the swing of things. This month, for the first time since this department began, we aren't going to be able to make room for everybody!

However, all of the questions are good ones, and none of them are going to get thrown out. We may have to wait a month or so until most of you are off on vacation trips, but everybody is going to get answered sooner or later.

With that in mind, let's get right down to business:

DOUBLE DOSE OF QUESTIONS

I have two problems; perhaps you or one of your readers may be able to help. The first one is simple. Who, if anyone, makes separate CB transmitters and receivers, instead of transceivers? If you have an address on them, I'd like that too, please. Second problem: I have a ----- transceiver. The thing was poor as it came from the factory and it's worse now. Anybody successfully modified one of these things to make a half-way decent rig out of 'em? Where could a schematic be found? Does anybody stock these or replacement parts anymore? Your help is appreciated.

J.S., Watsonville, Calif.

As luck would have it, I can bat 1000 on this one (or should I say on this pair?). You can get separate—the usual term is “modular”—units from several firms. Browning is one; Demco is another. Almost any communications receiver with a handsread knob on it will make a fine CB receiver; even better, get a converter (from Ameco, WRL, or any of several other firms) and use a salvaged auto radio. The results will be better even if it doesn't look as fancy. Now to the second problem. You must have gotten hold of a lemon, for your rig has a fairly good reputation under its “other” name—the Lafayette HE-15! Yours was sold by the outfit which built them for Lafayette; the rigs are virtually identical, and any modification for the HE-15 will work just as described on yours. Schematics for both are in Howard W. Sams' Citizens Band Radio Manual, Volume 1, which you can buy for \$2.95 from any

Sams distributor. For parts, look in the Lafayette catalog under “HE-15” (page 160 of my 1965 edition). Does this help some?

DECIBEL EATER

My rig has stumped me. It seems to want db to eat. It has a db of 4 now. What could I do to increase it? My rig is a ----- . It once was a 10-2er; now its output is eck!

B.M., South Holland, Illinois

And you, Bill, have stumped me! I can't figure out what you mean by “a db of 4,” since db are a relative measure of power. If it is 4 db above 1 watt, then it's putting out $2\frac{1}{2}$ times as much power as a 1-watt rig, or $2\frac{1}{2}$ watts. If, on the other hand, you mean it gives you a reading of 4 on a power meter, this still doesn't mean much unless you know what it used to read on the same meter with the same load. I assume, though, that the trouble is a weakening of power compared to older days. The trouble could be a weak final tube, a weak oscillator tube, a misadjustment of either the oscillator or final tuning (these adjustments, though, can only be made by a licensed technician!)—or it might not be in the set at all. A corroded antenna connection would give this kind of trouble. Try several crystals, from Channel 1 to Channel 23, and see if the power tends to peak up at either end of the band. If it does, an adjustment has probably slipped. If it peaks in the middle, or doesn't peak at all, weak tubes or power-supply troubles are the most likely causes.

TYPICAL WORKING RANGE — MORE DATA

I felt prompted to write you a short note concerning the distances that we are able to talk from base to mobile in my area here in Ohio. At present I am able to talk from a stock Johnson Viking mobile back to a stock HE-20C base using 3-element beam 35 feet above ground at a distance of 50 miles under most normal weather conditions. A higher antenna makes me able to knock off distances of 60 to 75 miles. Mobile to mobile, we get 40 to 50 miles. I feel that this is all due to a proper installation, necessary

checking of equipment, and common courtesy on the air. Thanks for your concern on this matter.

M.F., Ashland, Ohio

Range such as this is, as you no doubt suspect, extremely good. I'd be happy if I could get 25 miles reliably with a completely legal installation—and you get 50! In California, 25 miles was no pain. I hear from around Detroit that 5 or 6 miles is more near *their* average. The important thing is that you have to know what the band will do *in your area* before you can tell if your equipment is working well or poorly. Many thanks for the data on the Ashland area. If some of the rest of you across the country will drop me a card and tell me your area's average range (fully legal gear, please) I'll see about working up a map to show these averages all around the country. Might be of some help, come vacation time.

STYMIED BY ABBREVIATIONS

I have a problem which you have, without a doubt, heard many times before. I am brand new in the CB world, and am having a hard time with abbreviations, symbols, technical terms, etc. I read my first issue of S9 through, and understood only about 3/4 of it. Some of the things I am referring to include: QSL, 0.5 mv for 1/2 watt audio, 10 DB at 1 mv, AVC, 40DB down, knee of AGC occurs between 3 & 5 uV, 60 db plus. Can you give me some help?

L.H., Lake Luzerne, N. Y.

It's actually a pretty rough problem, and there isn't any real quick solution. I can and will define the terms you list—but this may not help much when you run into the rest of them. From time to time T.K. compiles a list of common abbreviations and runs it as a feature; maybe it's about time for another one. Howard W. Sams, the technical publishers, have a book in their line on "How to Read Schematic Diagrams" which will help with the symbols. The Radio Amateur's Handbook, published every year by American Radio Relay League and on sale at most ham stores, has a section on simplified theory up at the front which may or may not help you out, but the price is low enough to make it worth a trial. Simplest, but slowest, is to try to figure out the meaning of the phrase from the context—but to do this you have to have a starting place. Maybe these definitions will help a little: QSL is actually one of the international "procedure signals" used in CW (Morse Code) transmissions, and means "I acknowledge receipt of your message." In practice, a "QSL" is a post-card-sized card which one ham sends to another to confirm the contact between the two stations. In CB, such contact is on the borderline of legality, and the FCC has ruled that QSL cards as such are not legal. CBL cards, the CB equivalent,

are simply to be collected and swapped, in the spirit of friendliness. "AVC" stands for "automatic volume control," a circuit which keeps the set running at top volume for weak signals but keeps it from overloading on strong ones. It's also known as "automatic gain control," which is a more accurate term, and this is what the "AGC" that troubled you means. The "knee" of the curve is the point at which the circuit begins to operate. "uV" means "microvolts," which are millionths of a volt. In general, "u" is used for "micro" which means "millionth of a"; similarly, "m" stands for "milli" which is "thousandth," "k" is for "kilo" which is "thousands of," and "M" is for "mega" which is "millions of." So your 0.5 mv for 1/2 watt audio means 1/2 millivolt, or 0.0005 volt, of signal will produce 1/2 watt of audio output. DB is for "decibel," which is gone into in the previous answer. "40 db down" means 40 decibels weaker than whatever reference is used; this is 1/10,000 the power, or 1/100 the voltage. "60 db plus" means "more than 60 db" and the rest of the sentence should say which way.

SURPLUS TRANSCEIVER DATA NEEDED

I would like some information on these other CB channels—the 460-470 Mc band. I would like to know where I can get a schematic for the army-navy surplus transceiver BC-645 ABA. I also need the two coils, plug-in type, for this transceiver. I would appreciate it very much if you would let me know where I can get the coils and schematic.

L.C.P., Galina, Illinois

For a start, the BC-645 can't be used on CB. The 460-Mc channels include two types of licensees, Class A and Class B. Class A equipment is identical to that used in commercial two-way; getting on the air this way is about as complicated (in the paperwork) as putting a broadcast station in action. Class B gear can be used only on the spot frequency 465 Mc, give or take 5 kc, which is far more accuracy than the BC-645 can give. Anyway, all gear used by either Class A or Class B stations must be type-approved, which effectively eliminates building or modifying your own! The schematic, if you still need it, is in the Surplus Manual put out by the publishers of S9; write to the Book Division, Cowan Publishing Co., same address. Parts may or may not be available from surplus dealers; here, you just have to hunt around and see.

NEEDS MORE SELECTIVITY

I have just assembled and aligned a new - - - with very good results except for the selectivity. Lafayette has a mechanical filter out that I hear is very good, but it is for 455 kc and my rig has 1650 kc IF. Will this work, and if not does somebody make a comparable unit for 1650 kc? What

10-4

all the way...!

NOW... punch
through QRM
with NEW...

Waters

CLIPREAMP™



Give your CB signal up to 4 times the talk-power and intelligibility with new Waters CLIPREAMP. Punch through the hash of QRM with this solid-state clipper-preamplifier. Compact and self-powered, CLIPREAMP connects externally between microphone and transmitter (mobile or fixed station) in just minutes. Front panel control adjusts Compression-Level to individual requirements. At your distributor now.

\$21.95 (less 9-volt battery)



WATERS
MANUFACTURING INC.
WAYLAND, MASSACHUSETTS

would be the net result if I added your "Signa-Gainer" from the June, 1964, issue? Incidentally the double-conversion unit described not long ago makes for a rather cumbersome arrangement which the wife does not appreciate. I'd rather try to squeeze another IF stage into the case.

J.L., Tonawanda, N. Y.

Unfortunately, the quick answer to your first two questions is "no and no." The 455-kc unit won't let the 1650-kc signal through, and I've been trying for some 5 years now to stir up enough interest to get somebody to make one of these for 1650 kc. Maybe if everybody who wants one writes to just one manufacturer (Lafayette is a good place to start) we can show enough demand to get one made. Until then, about the only way to use mechanical filtering with 1650 kc is to use double conversion, with a second injection frequency of 1195 kc ($1650 - 455 = 1195$). This, as you note, is cumbersome. But have you ever tried to squeeze two rigs (one B, one ham) under a dash already occupied by a large air-conditioner??? Can't recommend the "Signa-Gainer" unless you want to take some time to play with it; some fellows have had troubles.

PROTECTION FROM INTERFERENCE

Is it right that the FCC says we cannot interfere with any other service like TV? And is there anything that says TV cannot interfere with CB? The past seven months a TV set next door to me has been coming through on my receiver or any CB receiver I put on my antenna. It comes through on my mobile rig. I get it from 26.965 up to 27.085. Sometimes I can get a little interference as high as 27.115. Hope to get some kind of answer.

E.L., Webster, N. Y.

All licensed radio services are required to keep their signals clean so as not to interfere with other services, and in this respect CB is prohibited from interfering with TV reception. About the only exception is diathermy, which has prior claim on the 11-meter band—we have to just sit and take it from these devices. However, since TV receivers are not licensed, this part of the regulations doesn't apply to them. All is not lost; another part does! It's "Part 15," the same section that authorizes unlicensed operation of low-power hand-held units. The real purpose of Part 15 is to set limits on the amount of crud which TV and broadcast receivers are permitted to let loose to interfere with other services. If your neighbor's TV is putting out more than Part 15 permits, he is (in the eyes of the FCC) operating an unlicensed transmitter every time he turns it on, and so is subject to a rather stiff penalty. Most TV watchers don't know anything about this, and few will believe it when we tell them. It takes an

FCC official to make it stick. If the interference is widespread, over at least a city block in area, file a complaint with the nearest FCC office and let them take it from there. Be sure to tell them it's "apparently excessive radiation in violation of Part 15" so they know what to look for—and be prepared for them to inspect you while they're in the neighborhood.

IGNITION NOISE DETAILS

You suggest, in regard to ignition noise, to "bypass the coil primary" and to "use good capacitors." What value should the capacitors be and how should I wire them—one from each of my coil's primary leads to ground? I'm new at this.

B.L., Corpus Christi, Texas

The capacitors should be at least 0.1 mf (microfarad) in value, with voltage rating of at least 600 volts DC. If you can find a coaxial capacitor with this high a rating, use it—but my collection of catalogs fails to list one. In lieu of a coaxial, I would recommend mylar-dielectric units, such as Mallory's PVC line. They are bulky, but they're good. You're right about the hookup; one from each of the primary leads to ground. This should be done right at the coil itself, using the mounting bolt of the coil for the ground point, and the leads of the capacitor should be kept as short as possible. And remem-

ber, you'll probably have to re-time the engine by adjusting the distributor. If you're not a Saturday-afternoon mechanic, take it to an ignition specialist before you put in the capacitors, and let him get it going again after you put them on (he will probably argue with you about putting them in, but explain to him about the radio noise—if he tells you we're both crazy, find another specialist!).

MORE CARBON MIKES

Could you advise if the circuit that you mention in the March issue entitled "Replacing Carbon Mike" can be used to replace the carbon mike on a Webster 440?

R.S.P., Alameda, Calif.

So far as I can determine, yes. Incidentally, the people at Aircraftmen, Inc. (mentioned in March as the supplier of the complete unit) tell me that they have discontinued it after finding a commercial unit selling for \$40 on which they could do better; their price was \$35. The boards, however, are still available from ECA.

LOOKING FOR A SHOCKER

I'm tired of ordinary bike chains that are so easy to break. I'm looking for some ingenious electrical way that is probably easier to break. Some time ago I saw an article in some magazine



THE BIG SIGNAL! Q5 and S9+

with PEARCE-SIMPSON'S new

GUARDIAN 23

23 Channel CB Radio • \$299.50



GUARDIAN 23—23 CHANNELS—featuring Pearce-Simpson's exclusive HETROSYNC® circuitry. Two signals are combined instead of the usual three providing outstanding stability and maximum protection against spurious signals. For that BIG CB signal see the Guardian 23 at your dealer today!

- Transistorized universal power supply • Dual conversion superhet receiver with low-noise Nuvistor front end • RF gain control, tone control, and noise limiter switch • Automatic speech clipping • Illuminated "S" meter, channel selector and modulation indicator • Superior squelch circuit • Two stage TVI filter • Special close tolerance crystals • Full 5 watt legal input operating at 50% of capacity, insuring long component life and tremendous power reserve for overload protection.

OTHER PEARCE-SIMPSON AWARD-WINNING CB MODELS

The "ESCORT"
8 channels
(23 channels
trans/receive
socket)
W/ext. xtl socket
\$229.95



The "COMPANION II"
5 channels
(23 channels
trans/receive
socket)
W/ext. xtl socket
\$189.50



PEARCE-SIMPSON, INC.
MIAMI, FLORIDA

PEARCE-SIMPSON, INC. S-665
2295 N.W. 14th Street • Miami, Fla. 33125
Please send full information and model specifications for the Guardian 23, Escort and Companion II.

Name
Address
City State



ON THE COUNTERS



A Bi-Directional wattmeter has been brought out by the Antenna Specialists Co., 12435 Euclid Ave., Cleveland, Ohio 44106. This unit, the ASWM-1, remains in the transmission line of any transmitter running even as much as 5,000 watts (that makes it suitable for just about every CB'er except some of those Indiana stations we've been hearing about). It checks both power output and S.W.R. and weighs in at only 7 lbs. Neat!

The Band Spanner 565 is a new 5 channel rig from Webster Manufacturing, 317 Roebling Rd., South San Francisco, Calif. Fully transistorized, and designed for mounting in even the smallest of compact vehicles, the Band Spanner 565, the unit is but 1½" high and less than 6½" wide. Power consumption is .8 amps receiving and a lightweight 1.3 amps when transmitting, although it still manages to run a full 5 watts in



the transmitter. The suggested retail price is \$129.95. Jim Adams at Webster can give you additional details.

In the marine antenna field, we have a new antenna this month from Mosley Electronics, Inc., 4610 N. Lindbergh Blvd., Bridgeton, Mass. Their new entry is the Silver Dolphin; an 8 foot 5 inch slick, streamlined beauty which should jazz up the family vessel. Easily installed on any boat, it may be easily peaked on any desired channel. One feature we like is the fact that you can fold the thing over when it might foul in an overhead obstacle. The Silver Dolphin features an SWR of 1.5:1 over the entire band. Mosley's got an informative brochure on this antenna if you're interested.



Our old friends at Hallicrafters have produced a new addition to their fine line of CB gear. This time it's the CB-12, a 12 channel, fully transistorized rig which lists for \$179.95. Power drain for this mighty little rig is .2 amps on receive and 1 amp on transmit. The receiver can drag in signals less than a microvolt thanks to its dual conversion. A nice little Hallicrafters "extra" is a provision for an external paging speaker. The rig is less than 3 inches high and about 6 inches long. An accessory for 110 VAC power use is available for \$34.95. Hallicrafters address (as if you didn't know) is: 5th & Kostner, Chicago, Ill. 60624.

For those of you who fear the sinister "Citizens Bandits" we have come up with a mobile burglar alarm from Aqualarm, Inc., 14238-S South Prairie Ave., Hawthorne, Calif. 90250. When this thing goes off it can be easily heard 300 feet away. When the alarm is set it will go off whenever the hood is raised, a door is opened, or the trunk lid lifted. The little devil is easily set by a tamper-proof lock in a front fender well,



hallicrafters now brings you
a new measure of CB transceiver performance—

Maximum Effective Range

Announcing a major breakthrough in noise reduction... new techniques in talk power... combined to provide more miles per watt than ever before!



The quiet one... the powerful one... the compact one... the one with 12 channels, a built-in P.A. system and illuminated channel selector... the *all-solid state*

CB-12

**Solid State—12 Channel
Citizens Band Transceiver**

Hallicrafters • 5th & Kostner Aves. • Chicago, Illinois 60624
Export: Int'l. Div., Hallicrafters • Canada: Gould Sales Co., Montreal, P.Q.

LAFAYETTE DELUXE SOLID-STATE 5-WATT DUAL CONVERSION CITIZENS BAND TRANSCEIVER MODEL HB-500



139⁵⁰

99-3027WX

It's Small . . . Quiet . . . Powerful!

THE PERFECT UNIT FOR MOBILE

- Full 5-Watt Performance
- 12 Crystal Transmit and Receive Positions
- 23 Channel Tunable Receiver With Spotting Switch
- Multi-Stage Automatic Noise Limiting Circuit
- Dual Conversion Receiver with 5/10 μ V Sensitivity
- Mechanical Filter For Razor Sharp Selectivity
- "S" Meter and 5x3" front-mounted Speaker
- 15 Transistors, 4 Diodes, plus 1 Thermistor
- Dependable Sealed Relay Switching
- Panel-controlled Variable Squelch
- $\pm .003\%$ Crystals Exceed FCC Spec.

LAFAYETTE DELUXE 23-CHANNEL CB TRANSCEIVER MODEL HB-400

DUAL CONVERSION—ALL CRYSTAL CONTROLLED WITH ADVANCED FULL WAVE "RANGE BOOST" CIRCUIT



169⁵⁰

99-3001WX

Double Side Band Full Carrier

LETS YOU GET THROUGH WHERE OTHERS FAIL!

- 17 Tube Performance With 13 Tubes And 8 Diodes
- Low Noise Nuvistar "Front End"
- Frequency Synthesized Circuit Provides 23 Crystal-Controlled Transmit & Receive Channels—No Extra Crystals to Buy!
- Dual Conversion Receiver With 3/10 μ v Sensitivity
- Triple Crystal Delta Tuning Offers "Fine Tuning" of ± 2.5 KC on Receive
- Push-to-Talk Microphone & Electronic Switching
- Variable Squelch, Variable Noise Limiter
- Built-in 117V AC & 12V DC Power Supply
- "Vari-Tilt" Mounting Bracket for Easy Mobile Installation Imported

LAFAYETTE DUAL-CONVERSION DELUXE CB TRANSCEIVER MODEL HB-200

109⁵⁰

42-0118WX

**SUCCESSOR TO
THE FAMOUS HE-20C**



- 9 Tubes plus 3 Silicon Diodes plus 2 Crystal Diodes for 17-Tube Performance
- Super Sensitivity—1 Microvolt or Less • 8 Crystal Receive Positions plus 8 Crystal Transmit Positions plus 23-Channel Tunable Receive • Push-to-Talk Microphone • Dependable Relay Switching • Illuminated Meter with 3-Position Switch
- Adjustable Squelch • Spotting Switch • Built-in 117 Volt AC Power Supply with 12 Volt DC Mobile Transistorized Power Supply • With Bracket Handle, Push-to-Talk Ceramic Mike, Pair of Transmit and Receive Crystals for Channel 15 plus Crystal for Dual Conversion

LAFAYETTE HB-115A PUSH-TO-TALK CITIZENS BAND TRANSCEIVER

59⁹⁵

42-0101WX

FULL 5-WATT INPUT!



- 12 Tube Functions, Plus 1-Diode, Plus 2 Silicon Rectifiers • 8 Crystal-Controlled Transmitting Positions • Tunable Superheterodyne Receiver Over All 23 Channels • Electronic Push-to-Talk Switching • Push to Talk Ceramic Microphone • Pi-Network for Maximum Power

- Output • External Speaker Earphone Jack on Front Panel • Full-Wave Variable Noise Limiter • Separate On-Off Power Switch • Supplied with Channel 14 Transmitting Crystal • Attractively Styled, Ruggedly Built

LAFAYETTE 2-WATT 2-CHANNEL CB "WALKIE-TALKIE" MODEL HA-300

99⁹⁵

2-for-194.95
99-3006L



BATTERY CHARGER

NICKEL CADMIUM BATTERIES

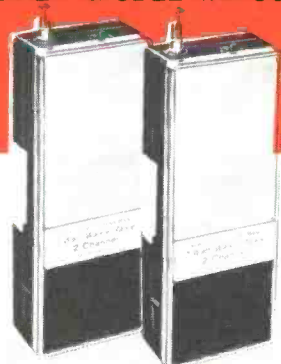
WITH VARIABLE SQUELCH

- Range up to 10 Miles • Plug-in Battery Charger with Self-Contained Rechargeable Batteries • 13 Transistors, 2 Diodes • Fully Crystal Controlled • Full-Time Automatic Noise Limiting Circuit • 10-Section Telescopic Antenna • Complete with Nickel Cadmium Batteries, Battery Charger, Earphone, Crystals for Channels 10 and 15, Leather Carrying Case • Imported



EARPHONE

CARRYING CASE



FREE!

**Mail Coupon For
1965 Catalog No. 650
Over 500 Pages!
Featuring Everything In C.B.**

Lafayette Radio Electronics
Dept. S9F-5, P. O. Box 10
Syosset, L. I., N. Y. 11791

- Send me the FREE 1965 Lafayette Catalog 650
- \$..... enclosed; send me #..... (Prices do not include shipping charges).

Name
Address
City State Zip

it can be installed by any automotive electrician in an hour and a half. Two models are available, one at \$49.95 (rings continuously until turned off by key, regardless if a door has been opened and then closed), and another at \$10 less (sounds only when the door is opened, stops when door is closed but sounds again if door is reopened). This looks like pretty inexpensive insurance for your mobile unit's contents, better check into it.

Here's an invitation for all CB'ers in the New York Metropolitan area who think that there "ain't no setch animule" as a CB shop with *everything* from Antennas to Zener diodes—there is such a little place under the sun and it's located at 79-12 Parsons Blvd., in Flushing, Queens. Drop in to Stuart Electronics and see what's cooking. No matter what it is, if it can resonate on 11 meters, they've got it. Ask for Pete Guggenheim, he'll make sure the price is right.

A note from Continental Marketeer, Bill Wunderlich, KIC5430, Herkimer, N. Y. 13350, tells us that he can make you some nifty personalized ball point pens (your name, call, address, zip) at the fantastic rate of 20 pens for only \$3.75. A pocket rubber stamp (any 3 lines of copy) is \$1.

Microtran Company, Inc., 145 East Mineola Avenue, Valley Stream, N. Y. announces the availability of a new microphone matching transformer for using low and medium impedance mikes with high impedance input circuits. Input impedance is from 150 to 250 ohms, output is 40,000 ohms nominal. User net is \$9. For details, write to the manufacturer and request brochure F-203.

Latest member of the International Crystal EXECUTIVE family of precision transceivers is the EXECUTIVE 880 which is a 23 channel frequency synthesized rig containing a Zener diode speech clipper. Like this set is about the living end for ultra-sophistication in CB gear. Look at some of these features: The rig has 24 built in test circuits to make tune up and servicing problems a thing of the past, an adjustable squelch, an illuminated channel selector, transistor power supply, 1/2 uv sensitivity, selectivity is 50 DB down at 10 kc/s, and too many more features to list here. Weighing 27 lbs. (it was designed for base station use, obviously), this BIG RIC sells for \$379.50. Want more details? Drop a request to ol' Uncle George at International Crystal, 18 North Lee, Oklahoma City, Okla.



Raytheon Company, 213 East Grand Avenue, South San Francisco, Calif. has a new set which

is described as being "thin as its own microphone." This set is dubbed the TWR-7 and offers the motorist 5 channels of CB'ing for a list price of \$129.95. A convenience for motorists is the large channel selector switch which is illuminated, also an illuminated transmitter output light.

You CB'ers and clubs who have been looking for expensive but distinctive ways to dress up your mobile units and rigs with an identifying insignia should take a look at the wares of the Seton Name Plate Co., Inc., 50 Fitch St., New Haven, Conn. 06515. A partial listing of their *huge* assortment of products includes: self-sticking vinyl emblems in all colors, personal identification badges and pins in plastic or metal, a full line of aluminum, bakelite, porcelain, mylar, etc. name plates which can be attached to all manner of gear, auto license plates of every possible size, shape, color, and description, and silk-screened pressure sensitive labels. For details, send a note to Mr. P. Z. Seton, Vice President, at the company address given above. They like CB'ers at Seton and will go a v-e-r-y long way to accommodate you.



United Scientific Labs, 59 Central Avenue, Farmingdale, N. Y. has brought out a CB rig to be used in conjunction with the new "H.E.L.P." highway radio program. Named the "USL Contact HELP," the rig is a full blown CB unit made to sell for less than \$100—and that includes a squelch, sensitive receiver, 5 watt megacycle maker, selection of either the HELP channel (Ch. 9) or several others, mounting bracket and quite a bit more. A clever CB'er might decide that this unit is a sneaky way to get on regular CB at a very low cost. Hmmmmm?

Hey, look what we have for you folks who are always squawking about adjacent channel spatter! You've all heard of Collins Radio Company which makes all the dazzling super duper electronics gear for Hams and the armed services, well they've brought out a new low-cost mechanical filter especially for CB equipment. Center frequency is 455 kc/s nom., the frequency response is a bandwidth of 6 kc/s nom. at 3 DB attenuation, 20 kc/s nom. at 60 DB attenuation. If you've ever had any experience with Collins gear you'll be able to appreciate the quality of their components and will beat a path to your mailbox to ask for the complete set of schematics, graphs, specs and all that which they will be happy to send to you if you just ask. Write to Collins Radio Company, Components Div., 19700 San Joaquin Rd., Newport Beach, Calif. The low price will completely flip you. Oh, don't forget to say that S9 sent you!

A new transistorized VHF converter enables you to monitor radio signals in the range of 108 to 170 mc/s—and this includes aviation, police, fire, 2-meter hams, taxi, ships, emergency, and

other communications services. The device hooks up easily without any special knowledge of electronics—just connects to any household radio. Two models are available (both under \$40), one is a fixed frequency unit, the other enables you to tune across an entire band of frequencies within the VHF range. Write to Scientific Associates Corp., P.O. Box 1027, Manchester, Conn.

Remember that nifty little Pace Communications rig we tested a few months back? Well they've come out with a new *portable* 5 watt rig which is centered around their Model 5000 transceiver which has been teamed up with a 48" whip and rechargeable nickel-cadmium batteries which give 48 hours of continuous field service and can be brought up to full charge overnight. It features 6 channel operation and smashing talk power. The unit is called the Model 500-P, it sells for \$320, and is available from Pace Communications Corp., 520 W. 182nd St., Gardena, Calif. 90247. Literature is available on request from Pace.

Also from California we received word of the ELECTRO-SHIELD FILTER and shielded cable device, announced by Ester Engineering Company, 1639 West 135th St., Gardena, Calif. 90249. You all know the dickens of a racket your mobile unit's engine generates into the receiving end of a CB through the rig's power cable; well, this device ends the problem. It's as simple as that! If you've got mobile noise problems we suggest that you find out what's going on at Estes Engineering.

The Spitfire V is a 14 transistor 5 watt rig featuring 12 channels of CB'ing with better than 1/2 uv reception and a 5 kc/s bandwidth at -6 DB. Receiver is a superhet with a RF stage, 3 IF stages, squelch circuit and noise limiter. It's all neatly packaged in a relatively small cabinet which will fit attractively in any mobile unit. For more details write to Columbia Radio Co., 8748 Remmet Ave., Canoga Park, Calif.

A bold, beautiful and forcefully effective "Emergency" sticker has been brought out for CB'ers by the well known "Rambling Redskin," (KBC2874) S. Russell, 514 62nd Street, West New York, N. J. Printed in very official looking dark blue, it is made of 100% weatherproof and durable material which may be adhered to the outside surface of any part of the car. They are 50¢ each (or you can get 5 for \$2). Interested? Contact Rambling Redskins for heap big good idea for official looking mobile unit!

ARC Electronics, 364 Main Street, East Orange, N. J. has something most interesting to offer—an automatic record changer for your mobile unit. It plays 12 records (45 rpm) at a clip, operates with either 6 or 12 volts, can be installed in minutes by anyone, is not affected by bumps, cornering or sudden stops. Designed to fit under your dash, it comes with all brackets and complete instructions. We've heard this unit in action and it really sounds nice. Price is \$79.95 (list) and dealer and distributor inquiries are invited. A free descriptive brochure is available if you mention S9 Magazine.

How "Gung Ho" can you get? Well Haral Associates, 1133 Broadway, New York, N. Y.

New

EICO

"SENTINEL 23"



23 CHANNEL DUAL CONVERSION CB

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

WIRED ONLY

\$169.95

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

tion in both fixed and mobile locations with equal ease. At your dealer now, the EICO Sentinel 23 is the new CB rig with every wanted and useful feature!

- Transistorized 12 VDC & 117 VAC dual power supply eliminates vibrator hash.
- Super-selective dual conversion superhet requires 1/4 uV for 10db S/N.
- Crystal-controlled 6mc IF and three 455kc IF's.
- Effective automatic impulse noise limiter, wide-range AGC.
- Delta tuning for receiving off-frequency transmissions.
- Adjustable squelch and standby switch.
- Illuminated "S" meter/RF output meter.
- Single knob channel selector with illuminated dial.
- Converts to 3.5 watt PA system with remote speaker.
- TURNER 333 noise-cancelling ceramic p-t-t mike.
- Headphones/external speaker jack.
- Scuff-proof textured blue vinyl finished steel cabinet.
- Anodized extruded aluminum panel with polished edges.

EICO Electronic Instrument Co. Inc.
131-01 39th Avenue, Flushing, N. Y. 11352

S9-6

Send for 1965 Full-Line Catalog

Name _____

Address _____

City _____ State _____ Zip _____

Add 5% in West

*short, short story
about a great new mobile cb antenna:*

Capacity-matched
to car body for
excellent, low
VSWR.

Fine-tuning
adjustment

brand new loading
techniques for
more effective
center loading

rugged, professional-
type 2½" stainless
steel shock spring

the
beauty of
this baby
is its
18" length!

At last—a high-performance mo-
bile CB antenna you can mount
on your roof where it belongs,
without making your car look like
a space satellite!



M-130
"Mighty Mite"

¾" snap-in mount—
no soldering

M-131
"Maggie Mite"

Gutter clip mount—
hang it anywhere



M-130
"Mighty Mite"

18" Mobile CB antenna

the antenna



specialists co.

12435 Euclid Ave., Cleveland, Ohio 44106

A division of A/S Industries, Inc.

Export Div.:
64-14 Woodside Ave.,
Woodside 77, N.Y.

"stripes of quality" ®



**U.S. GOVERNMENT
OFFICIALLY
LICENSED
RADIO COMMUNICATIONS UNIT**

10010 has an answer to that with their smashing good mobile window card—white stencil type letters on a bold black background announcing “U.S. GOVERNMENT OFFICIALLY LICENSED RADIO COMMUNICATIONS UNIT.” Printed on heavy quality card stock, it attaches to your mobile unit’s sun visor and is one of the slickest looking items we’ve seen yet along these lines. Price is 50¢ each, or 3 for \$1, postpaid. With each order Haral throws in FREE a very realistic looking 2 color “U.N.C.L.E.” identification card and also a completely idiotic and wild sticker for your front door (it’s a surprise so we won’t give it away here).



The boys at Pearce Simpson, P.O. Box 308, Riverside Station, Miami, Florida 33135, have devised a new AM 30 watt business band radio which operates in the frequency range of 25 through 54 mc/s. Known as the IBC 301, it operates on any single channel and may be installed as a complete transceiver, or the front control panel may be slipped out and used as a separate remote control head (with the rest of the rig in the trunk). An all transistorized receiver assures low power drain (.6 amps) and the power supply is solid state too. Other features are a telephone type handset (why doesn't anybody put handsets on CB rigs, by the way?), a squelch, and illuminated function indicators. Price is \$329.90. An AC power supply is optional.

The Rubber Stamp Division of Royer Studio, 417 North Main, Taylor, Texas, is making a specialty of numerous styles and design of rubber stamps for CB'ers. Actually they have about 15 different and distinct designs in various type styles and sizes and in many price ranges. They'll be happy to send you an illustrated folder of their offerings. By the way, they promise to ship your rubber stamp to you the same day your order is received. Please mention S9 when writing to Royer.

Write to our advertisers for special product news

S9 Lab Reports

HARMON MORSE CB-15

Transistorized CB equipment is fast becoming popular. Not only does such gear represent the most advanced state of electronics, but it also provides reliable service, produces less heat, can be made lightweight for portability as well as small in size and it requires exceptionally low current drain during receiving periods and moderately low current during transmissions, the low-current requirements being especially desirable for mobile service.



Among the newcomers in this field is the Harmon Morse CB-15 transceiver the size of which is only 2½" H. x 6½" D. x 6¼" W. and it weighs a mere 3 lbs. It is a six-channel crystal-controlled job on both receiving and transmitting with solid-state circuitry throughout using 15 transistors and 5 diodes. The transistors and four of the diodes are the silicon type for maximum reliability of operation under conditions of extreme temperature variations.

We don't have a circuit diagram of the unit, but from the manual we find that the receiver is a single-conversion superhetrodyne which uses ceramic double-tuned filters in the IF section in order to provide fine adjacent-channel selectivity. The first mixer and first IF stages are designed with silicon diodes to minimize overload distortion on very strong signals. The unit has a built-in noise limiter and an adjustable squelch. A 4-inch speaker also is self contained.

A useful feature is a switch on the squelch control that makes it possible to use the CB-15 as a 3 watt public address system for which an external-speaker jack is provided on the rear of the unit. At normal settings of the squelch control the external speaker may be used for receiver monitoring at points away from the set location. The built-in speaker is automatically disconnected when the arrangement is used.

The receiver sensitivity is rated at .4 microvolts for 10 DB signal-to-noise ratio and selectivity is given as 50 DB down at the 3 db points. Audio power is 3 watts.

The transmitter in the CB-15 operates at a full 5 watts input with an efficient circuit that gives

FOR \$99.95
YOU CAN BUY A CB KIT
AND SPEND HOURS SOLDERING
TEENY-TINY CONNECTIONS,
AND POURING OVER DIAGRAMS
AND LOSING PARTS
AND SCREAMING AT YOUR KIDS
OR...

BUY A PACER
(and be on the air in seconds)

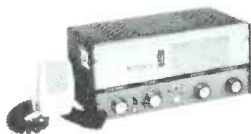


You've never seen an American made transceiver like this. Pacer not only comes fully assembled, you get eight crystal-controlled channels. And a 23-channel, tunable, superhet receiver (just like the high-priced spreads). Plus plenty of other important features: positive squelch control, illuminated "S" meter, spotting switch, ANL, quick-change external crystal socket.

But that's only half the story. Pacer comes complete with everything you need for base or mobile operation (AC and DC power cords, mobile mounting bracket, PTT mike). And you get all this for less than \$100. Put away that soldering iron. Put your money in a Pacer. Complete and ready to operate \$99.95

NOW... GET STARTED IN CB FOR JUST \$74.95

Here's everything you need to get on the air in one low-priced package. Our Mustang features six-channel crystal-controlled transmit, and a 23-channel tunable receiver. Other features include: PTT mike, positive squelch control, ANL, built-in speech clipping. Complete, ready to operate, AC cord \$74.95



METROTEK ELECTRONICS, INC.
a subsidiary of Regency Electronics, Inc.

7900 Pendleton Pike • Dept. S-6 • Indpls., Ind. 46226

an output of at least 3 watts. A class B push-pull modulator is used for full modulation, automatically limited to 100%. A Pi-output coupling network automatically matches the final amplifier to 50-ohm loads and together with a second-harmonic trap attenuates the harmonics by 60 or more db. A permanently hooked-up ceramic microphone, with push-to-talk button and coiled cord, is supplied with the set.

Separate crystals are used for the receiver and the transmitter.

The CB-15 is designed for use only on 12-14 VDC with negative ground systems only. The current drain on receive is .1 ampere, on transmit .85 ampere, considerably lower than required with vacuum tube gear.

PERFORMANCE

In many respects the performance of the CB-15 is comparable to that of its vacuum tube counterparts. Receiver measurements came up to specifications, and the squelch tripped at less than .25 uv input signal. Transmitter carrier output measured 3.5 watts @ 13.5 VDC input and modulation went up just to 100% with good waveform to deliver a peak-envelope power of 14 watts. With PA operation the noise-cancelling mic made it easy to get away from audio feedback when working in close quarters.

As may be seen from the photograph, the Harmon Morse CB-15 is simply styled with only three controls, namely: Squelch/PA, Channel Selector and Volume Control Power On-Off. The CB-15 is a nifty little job that is most suitable for mobile applications. Its compactness is shown in comparison to the size of the microphone next to it.

Delivered with microphone and a set of crystals for one channel (one for receive, one for transmit), the CB-15 is manufactured by Harmon Morse Radio, Division of Electronic Development & Manufacturing Corp., Holton, Kansas.

EICO SENTINEL 23

The Eico Sentinel 23 CB transceiver provides frequency-synthesized crystal-controlled receive and transmit operation on all 23 CB channels merely by the flick of the channel selector.

The receiver is a dual-conversion superhetrodyne that uses a first IF of 6 mc/s for high image rejection (rated at better than 60 db) and a

PART 15 GROUNDPLANE

TERRY TENNA 15

At last a Part 15 Ground Plane. Talk skip! Talk as long as you want! It's legal on Part 15. No height limits. Terry Tenna 15 has 30" vertical radiator and radials, equal to 60" vertical. All elements loaded. Aluminum elements. Mtg. bracket takes 3/4" pipe. SO-239 connector. Instructions on how to convert your CB set to Part 15 operation included. Switch allows use of 5W or 100MW.



\$18.95 PPD.
 MO. RES. ADD 3%
 SALES TAX - DEALERS INQUIRIES INVITED.

TERRY ELECTRONICS
P.O. BOX 121, ST. CHARLES, MO.



second IF of 455 kc/s, with six tuned circuits, that provides a high degree of selectivity (rated as 6 kc/s at the 6 DB points) to minimize adjacent-channel interference. This selectivity is achieved without sacrificing audio quality or intelligibility.

Sensitivity that is rated at .25 microvolts for a 10 DB signal-to-noise ratio enables you to dig out the weaker signals, while bandsread (delta) tuning makes it possible to receive slightly off-frequency signals on the nose. There are no self-excited oscillators (that might drift), crystal control being used throughout for the maximum possible frequency stability.

An effective automatic impulse-noise limiter, with a fixed threshold, is permanently connected and an adjustable squelch quiets the receiver during no-signal periods. A feature on the squelch control is a standby switch that cuts off the high voltage, but leaves only the tube heaters in operation to cut down current drain during standby, yet which holds the set in readiness for immediate operation. This is especially attractive in mobile service particularly when the car motor is not running.

The modulator delivers 3.5 watts of audio power to provide a high degree of modulation with low distortion. In this respect, an indicator lamp on the panel shows you when you're speaking into the mic at the right voice level for producing the proper degree of modulation. A speech amplifier ahead of the audio driver and the modulator furnishes additional amplification for the microphone which is a noise-cancelling type that has a push-to-talk button and a coiled cord. The mic is supplied with the unit.

The panel meter automatically indicates the relative output power during transmissions. No manual switching is needed. The antenna is electronically switched between the receiver and transmitter.

The Sentinel 23 may be operated from 117 VAC or from 12 VDC (negative ground only). High-voltage rectification is obtained with silicon diodes and power-transistor switching is used during d.c. operation. Individual cords with plugs are supplied for AC and DC use.

PERFORMANCE

The performance of the Eico Sentinel 23 measured up closely to specifications. The receiver sensitivity was only slightly less than given, image rejection was 5 db better and selectivity as rated. The noise limiter was found very effective and the squelch operated smoothly, tripping with input signal levels as low as .25 microvolts. The audio quality sounded clean and crisp and

the selectivity provided excellent rejection of adjacent-channel signals, even the very strong ones. PA operation worked out very nicely, except that there is no mic gain control to minimize feedback you might encounter if the PA setup were used indoors.

Automatic gain control (AGC), applied to three amplifier stages, prevents overloading on strong signals and provides a uniform audio output over a wide range of input-signal levels. A full-view S-meter is illuminated, as is the channel-selector dial on which only the number of the channel in use is seen through a small, window on the panel.

A built-in 4-inch loud speaker is driven by the audio output amplifier that delivers 3.5 watts of power. A panel jack also is furnished for headphone or external speaker use, during which time the self-contained speaker is automatically disconnected.

Another feature of the Sentinel 23 is that it may be used as a 3.5 watt public address (PA) system for which a phono-type jack on the rear apron of the set is supplied to plug in the PA speaker or a bull horn. All you have to do for PA work is to slide a function switch on the panel to the PA position, press the push-to-talk button on the mic and speak. In addition, when the mic button is up, you can hear incoming signals on the selected channel of the receiver on the PA speaker. This is a convenience that allows you to monitor, or just listen to, the channel from remote corners at a fixed base, or in the case of mobile service, it provides monitoring when you're out of the car.

TRANSMITTER SECTION

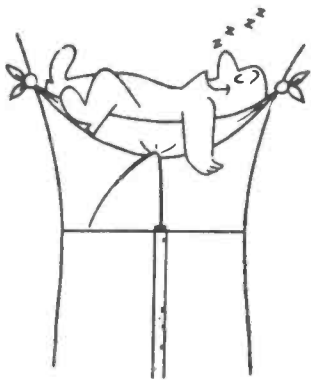
The transmitter operates at the maximum legal input power of 5 watts with good efficiency that produces at least 3 watts of carrier power. The output amplifier is matched for maximum power transfer into antenna loads of 30 to 100 ohms by means of an adjustable Pi-network which also minimizes harmonics. Included is a harmonic trap that can be precisely adjusted for maximum effectiveness in eliminating TVI with specific cases.

The transmitter carrier output measured 3.25 watts (using a power source of 117 VAC) and modulation peak-limiting and clipping took place near 90%, resulting in high *average* modulation.

The Sentinel 23 is housed in a steel case which is finished in scuff-proof vinyl for durability. Mobile-mounting brackets and a microphone bracket are supplied with the unit. A heavy-gauge extruded-aluminum panel is cleanly styled and is brush-polished and epoxy coated. The unit weighs 14 lbs. and its size is 4¾" H. x 12" W. x 7½" D. The depth is shallower than usually found, which in many cases might make it more suitable for mobile installations.

The price of the Eico Sentinel 23 is \$169.95, wired and complete with microphone, mounting brackets, AC and DC power cords. It is manufactured by Eico Electronic Instrument Co., Inc., 131-01 39th Ave., Flushing, N. Y. 11352.





ANTENNAS

by LEN BUCKWALTER, KBA4480

TRENDS

It's tough to come up with antennas that work on entirely new principles. Most basic ideas were pinned down about a half-century ago. So how come today's antenna makers continuously introduce a stream of improvements? That's easy. They concentrate on mechanics, as well as electronics. Unlike most other electronic equipment, antennas lead a rugged, outdoor life. Only the physical Spartans keep pointing skyward.

This was apparent during a recent trip we made to a big electronics show where manufacturers gathered to show their wares. Had any one challenged Dr. Hertz and Prof. Yagi, those venerable pioneers in the antenna field? No, but healthy signs of progress were in evidence. Take, for example, some new models just now being introduced by B&K/Mark.

I asked Milt Mann, an engineer for the company: "Any breakthrough in antennas, like 50 db gain in the size of a hairpin?" He replied negative to that one, but generated plenty of enthusiasm for the new units. Watch out for the "Jay" jobs—a couple of new antennas for base-station use. One's a "Jay Beam," a 3-element vertical beam, the other's the "Mighty Jay," a vertical base unit. These aren't named for the birds. "Jay" refers to the letter "J" which relates to the shape of the vertical element. Why this configuration?

Seems that "J" gets rid of the familiar insulator at the base of the antenna. This is the usual point for matching the line. In the new Mark units, matching is up near the center of the antenna, with an internal sleeve arrangement. Thus the bottom of the antenna is a solid base of metal that fastens directly to the mast. There's no insulator to bear the load. Also, a direct ground is established for lightning protection. The "J" will also appear in a beam being brought out by Mark. The advantage, as pointed out by the company, is that fragile insulators are eliminated from any point of mechanical support. So there you have the novel twist: the antenna maker employing

electronic techniques to improve mechanical reliability.

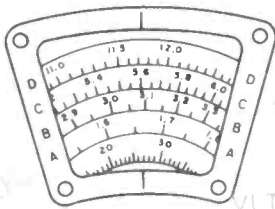
Other trends are creeping into the antenna field. Old-Timers might remember how CB antennas began back in 1958; mostly ground planes for base and full-length or base-loaded whips for the car. Some say that the mobile whip is getting shook up in its loading coil. It's generally planted down at the base of the whip where it behaves well from a mechanical standpoint. Here it can't cause wild swaying, as it would at the top of the whip. But the strongest signals are also dragged down with it. The base-loaded coil is especially prone to sending signals which strike obstructions on the car itself.

So the coil began to rise, taking signals up with it. Top heaviness is no longer a problem. You may have noticed that mobile whips feature slimmer, solid-state coils of little weight and wind resistance. In some models, the up-lifted coil is barely visible at all—reduced to a mere thickening in the antenna's top section. A close look at some fiberglass whips reveals that the wire is usually bunched up top for the top-loading effect.

The trend in mobile antennas has been to kick radiation upstairs where it can clear the car. The opposite direction is pursued in base-station models. Best thing on base is to lower radiation. The reason isn't difficult to pinpoint. Base antennas, unlike the car whip, are usually above very close obstructions. More important is aiming the signal toward the horizon. Let energy take off at high angles and plenty of power is wasted above the receiving station. The closer to zero degrees, the better. Early base jobs tended to have angles of 5 degrees and more. Most new base antennas flatten out signals so power once wasted is now concentrated along the horizontal where it counts.

What does the future hold for CB antennas? Getting more gain squeezed under the 20-foot height rule will probably dominate the field for some time to come.





THE SWL SHACK

BEST BETS FOR LISTENERS ON THE DX BANDS

by RICK SLATTERY

This month we have the chance to see some of the inner workings of a major international broadcasting station, WRUL, "Radio New York Worldwide," located right in the heart of New York City at 4 West 58th Street. The station has its 5 powerful shortwave transmitters (using 11 antennas) located in Scituate, Mass. Their programs are beamed to Europe, Africa, and Latin America, although reception reports have been



at 2115 EST; *Voice of America*, Monrovia, Liberia, on 7195 kc/s at 1735 EST; *Radio Lome*, Togo, on 5047 kc/s at 1610 EST; *Radio Belgrade*, Yugoslavia, weak signal on 9505 kc/s at 2210 EST; *Radio Americas*, the "mystery" station on Swan Island (they still refuse to announce their location on the air) on 6000 kc/s at 2245 EST. Ira also racked up a healthy number of DX hams.

S9 Contributing Editor Jim Kyle, who lives in Oklahoma City, reports XERR, Mexico City, on 15110 kc/s; *Radio Havana* on 15135 kc/s; *ORTS*, Paris, 15190 kc/s; *Canada Calling Africa*, Montreal, on 15320 kc/s. All of these stations heard at Jim's 10-20 between 1400 and 1530 EST.

Don Huntley, KDD1522, Asheville, N. C. reports *Radio Bucharest*, Romania, 9590 kc/s at 2330 EST; *Switzerland Calling*, Berne, 9535 kc/s, 2015 EST; *RAI*, Rome, 5960 kc/s, 1930 EST; *Deutsche Welle*, Cologne, W. Germany, at 0000 EST on 6160 kc/s; *Radio S. Africa*, at 2115 EST on 2340 kc/s; *Radio Santa Maria*, Dominican Republic, at 1945 EST on 2380 kc/s; *Radio Caraja Anapolis*, Brazil, 2330 EST on 2420 kc/s; *Radio 4VEH*, Cap Hatien, Haiti, drifting in frequency near 2430 kc/s at 2240 EST. Don sent along some of his CW loggings which sure look nice to us: *NEW* (U.S. Navy), Guantanamo Bay, Cuba, on 2158 kc/s at 2032 EST; *NPN* (U.S. Navy), Guam, at 1841 EST on 22430 kc/s; and *TFK65* at 1956 EST on 12165 kc/s.

James H. Burton III, Staunton, Va., has been pulling in that DX like mad and sends along information for you on the following: *Finnish BC Corp.*, 15105 kc/s at 0715 EST; *Danish BC Corp.*, 15165 kc/s at 0730 EST; and a number of "utilities" the mystery station reported widely on various frequencies in the 3 and 4 mc/s bands. While the mystery station has been heard reading numbers in Spanish, Jim has heard them on about 12 mc/s in English around 1400 EST.

Reader Vaughn DeMerchant, XM5150, Perth, N. B., says to look for Royal Canadian Mounted Police stations on 49.98 mc/s. This should be a snap for anybody who can monitor 6 meter Hams.

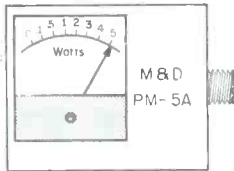
S9

received from listeners in all parts of the world—and a real nice looking QSL card goes to each correct and detailed reception report. As a special service to SWL's, the station presents a special DX-tips broadcast each Saturday at 1400 EST. A complete schedule of frequencies in use for the SWL program (and all other broadcasts, too) is available upon request to S9 readers (don't forget to mention S9!).

Our mail sack this month brings us a letter from an avid reader in Key West, Fla., Dave Rosso, who tipped us off to a local CB'er who has zillions of QSL's from foreign CB'ers. Every Sunday he listens to a station (on CB) in Bogota, Colombia. We are trying to get in touch with this DX'er and possibly we can do a story for you on him.

Our devoted reader and reporter Irv Stoler of Brooklyn is sportin' a new CB call this month, KMD1433. Hope you don't desert SWL'ing for CB altogether, Irv. Irv reports reception of *Windward Islands BC Service* with a fair signal on 3280 kc/s around 1900 EST; *Radio New Zealand* on 9540 kc/s at 0300 EST; *Trans World Radio* in Bonaire, Netherlands Antilles, on 5985 kc/s

POWER METER



CB'ers! Check your RF Output Power with the M & D PM-5A Five Watt RF Power Meter Built-In Dummy Load—Nominal Accuracy 5%, SO-239 RF Connector (others available on request). PM-5M Checks Modulation Too. PM-5A RF Power Meter \$7.50 ppd. PM-5M RF and Modulation Meter \$9.50 ppd. (Texas residents please add 2% tax).

M & D PRODUCTS

P.O. BOX 523, FORT DAVIS, TEXAS 79734

WE NEED CB DEALERS!!

AS distributors handling all Major brands of CB equipment, antennas, and accessories we can offer local dealerships to aggressive CB dealers and installers. Write at once for information and your costs on the brands you prefer to handle. Dept. 624

KNOX ELECTRONIC SUPPLY, INC.

67 N. Cherry St., Galesburg, Illinois.

New YL Pin & Tie Clip

Only \$1.50 each



Apollo Engraving Co.

P.O. Box 81, Brooklyn, N. Y. 11204

actionCITI-FONE SS

Microphone Preamp • "Dual" Function Panel Meter • Pulse Tuned ANT. Selector • Squelch • Double Tuning • Noise Immune

FULL 23 CHANNEL

AC/DC Power Supply • Triple Tuned RF • Double Tuned IF's • Illuminated Meter and Channel

Compact 8" x 11" x 4 1/4" • Ready to Operate.

WRITE, WIRE or PHONE TODAY FOR COMPLETE INFORMATION. COMPLETE \$169.50



MULTI-ELMAC COMPANY

21470 COOLIDGE HIGHWAY OAK PARK 37, MICH.

Name

Address

City Zone State

CB IN ACTION



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

"CB Clubs and the Community"—by guest author, Fred M. Schloss, Order Dept., Manager.

The average CB'er is a public minded individual who is usually eager to serve his community by donating his time, equipment and experience. However, as an individual his services are limited. Place the individual into a situation where he works with other CB'ers, provide him with leadership and organization and you have the nucleus of a CB Club prepared to swing into action within seconds.

The CB'ers approach to a club should be a two-sided affair. A CB Club can bring many benefits to each and every one of us and many pleasant hours can be spent at the "Club House" but we can only get out of this endeavor what we put in. It is best explained by stating that he can expect a return only by putting in time and hard work. Organizing and running a well organized club must be a joint effort in order to succeed.

Now let's balance the ledger and describe some of the more important benefits that can be obtained from club membership: better knowledge of CB equipment and regulations, proper and most efficient use of transceivers, antennas, etc., the exchange of ideas, fostering better relations between CB'ers and the community, setting up of community projects such as Civil Defense, Mobile Assistance, Patrols, etc., publishing a club newspaper, a swap shop and, last but not least, social functions, ranging from jamborees to a Saturday night dance.

In addition we read every day of the services CB clubs perform in their respective communities during time of local disaster, such as snow storms, floods and accidents. A well-organized, well-disciplined CB club can be an added arm of local authority in time of need.

Our services may never be needed but by keeping our CB club on the alert and well-organized, we will be ready to serve when needed most. See you at the next meeting.

WIN A COMPANION II

You can win a new COMPANION II with your CB in Action story. Simply tell us how you helped an individual or your community with CB. Write to Les Hench, National Sales Manager, PEARCE-SIMPSON, INC., Box 308, Riverside Station, Miami, Florida 33135.

CB CHIT-CHAT

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

Address correspondence to:

**JOHN KREJC, KB18077
60 DIVISION AVENUE
GARFIELD, N. J.**

A.P.R.E. BULLETIN BOARD

New appointments to the A.P.R.E. (Area Public Relations Editor) Staff this month include: Sheldon Showalter, Routel Harrisonburg, Virginia 22801; Lewis E. Prine, KLN1975, 11717 Hollingsworth Way, Cincinnati, Ohio 45240; Mr. Lynn M. Miller, KLE2442, 1006 Camino Redondo, Santa Fe, New Mexico; Boyce E. Williams, KKV0718, 3418 Harvey Road, Martlesville, Oklahoma.

WESTERN

Recently organized is the Communications Inc., REACT Team operating in Tulsa County, Oklahoma. The newly reporting unit operates on channel 9. President, L. J. Johnson, KEH1430; Vice President, Roy Hester, KEH7627; Secretary-Treasurer, 10Q0858.

The Mountain "Airs" held their elections the first of March and the new officers have been installed. President, Larry Looy; 1st V. President, Tom Frazier; 2nd V. President, Evertt Beatty; Secretary, Jeanne Self; Treasurer, Bill Klahn; Committee Chairman, Evertt and "Bert" Beatty; and Sgt. at Arms, Lew Self.

The Mountain "Airs" celebrated their first anniversary 3/7/65. This has been a very active year and many fine projects have been completed. Assisting fishermen around Lake Isabella has been the biggest project, most of the people getting stranded on the lake due to running out of gas or getting caught in an early wind.

They noticed in the March issue of S9, listed under the western area, another club with the name the same as theirs. They would like to know a little of the history of this group and extend an invitation to them to make it a point to come to the Kern River Valley if any of their members are in California this summer or at any time. In fact this invitation is extended to all CB'ers.

Remember for good fishing, hunting and the fine outdoors, visit the Mountain "Airs" Citizen Band Radio Club located in the beautiful Kern River Valley of Southern California, gateway to the High Sierras . . .

The new officers of the El Camino Real CB are President, Fred Wallace; Vice-President, Lauren Welch; Secretary, Louise Welch; and Treasure, George Sommer. Many plans for the future were discussed. They hold their meetings at the Aztec Hotel in Monrovia.

At the General Meeting of January 19th, 1965, members voted complete approval of the proposed Articles of Incorporation and By-Laws changing the Salt Lake Chapter of the Utah Citizens Band Association from an informal association to a legal non-profit incorporation. These legal forms now have been filed with the office of the Secretary of State of Utah for final approval by the State.

Consummating months of organization of thought, writing, meetings, debates, debates and debates, conferences with the Legal Counsel, Attorney Jay Richard Bell, and work, work, work (plus no little perspiration) by the Committee headed by Dr. E. Evans, and Dr. R. Anderson, the goal has finally been reached. To be known henceforth as "Utah Citizens Band Association, Salt Lake Chapter Inc.," UCBA has offered final copies of these legal forms to the Squaw Peak Chapter, and the Weber Citizens Radio Association, and to any and all other organized CB groups in Utah for their use in deciding upon the values of incorporation for their groups, and to make the work of such a legal move easier and less time-consuming. Both the Squaw Peak



The Kinzua Valley CB Rangers of Warren County, Pennsylvania organized last August were chartered December 4, 1964. Monitoring Channel 9, the Rangers have 53 club members from all parts of Warren County and have regular meetings in Warren on the second Tuesday of each month.

and the Weber Clubs have indicated their intent to consider this move, and also to work toward an eventual meeting or congress of the individual groups to consider formation of a State Association with equal representation of all autonomous groups. A special commendation for the time, money and energy spent by the Committee on Incorporation was voted unanimously by the membership, and the Editor and Staff of "Ten-Eight" add thanks and congratulations for a job MORE than well done.

UCBA and non-member CB Radio Operators have been officially commended by the United States Marine Corps Reserve for "Outstanding assistance in the highly successful 1964 'Toys for Tots' Program." The Certificate of Appreciation is signed by Major Walter C. Hay, and Captain Earl S. Maeser.

Members of the Salt Lake Jeep Club, under President Hal Covington also received an identical certificate for their participation in the program.

By acclamation, the membership of UCBA approved for election to the Board of Directors for 1965 all Officers and Board Members who acted in 1964. The first Board of Directors therefore of "UCBA," Salt Lake Chapter, Inc. is composed of James Velotis, KGC-0885, Roger Frost, KHA4980, Normal Steele, KLE-0399, JoAnn Steele, KLE0399, Bruce Baker, KLE2602, Wm. Boldt, KLE2186, Dale Smelser, KGC1006, Lorrin Mabus, KGC1915 and Bob Peterson, KGC2780.

Meeting immediately after the General Meeting of January 19th, the new Board appointed as President, Jim Velotis; Vice President, Roger Frost; Treasurer, Norm Steele and as Secretary, JoAnn Steele. These Officers carry forward from 1964 their positions, experiences and continued goals to make UCBA one of the top respected CB groups in the nation.

3000 Citizens Band radio operators gathered in Arlington, May 8, for a "Coffee-Break," a mass meeting of area "CB'ers" sponsored by the Arlington Citizens Band Radio Club.

The event drew attendance from all over Texas and the Southwest. The purpose of the meeting, according to Club President C. E. Kahe, was to "allow CB'ers to meet old friends and make new ones."

Highlight of the event was the awarding of a 1965 Chevy II Nova automobile at a drawing which included many other prizes. Proceeds from the drawing went



"The Marshalltown, Iowa Police Department had assistance in patrolling the city streets Friday and Saturday, October 30 and 31, 1964 by the Marshalltown Corn Belt Citizens Band Club Inc.

to the Arlington Club's emergency equipment fund, which is used to purchase Civil Defense Equipment. One of the club's main purposes is to aid Civil Defense authorities in local or national disasters by furnishing communications to stricken areas.

At the event, which was held in the National Guard Armory on Randol Mill Road, displays of Citizens Band equipment were set up by dealers.

New officers for the coming year for the Kern County Citizens Radio Association of Bakersfield are: President, Joe Hartline, 11Q4342; Vice President, Frank Neal, KFB0248; Secretary, Ruth Neal, KKK6184; Treasurer, Howell Long, KFA1740; Committee Chairman, Kenny Williams, KKK7755. A very good turn out came for the Pot Luck and Installation. Your APRE Gene Grant and wife attended and never saw so much good food. Congratulations to the new officers for the coming year.

Henry Truelock raced from the roller rink and jumped inside his pickup. With a mobile Citizens Band radio he called for help at a highway accident down the hill.

Sunday, Price Sandlin, Paducah fire chief, answered the call and arrived at the scene of a pickup-automobile collision about six minutes later. Sandlin hosed down gasoline spilled from the overturned pickup but found no need for an ambulance.

Apparently no one received serious injury. Had medical treatment been necessary, the call would have brought it too, for two-way radios in area homes and cars have assisted in similar emergencies before.

To promote better communications with Citizens Band radios, the Cottle County CB Radio Club was organized last September. "All the other towns for formed clubs," Secretary, Bob Powell said. "We began with 10 members and now have 41. The number of radios in the county has at least tripled since our organization formed."

Other officers include Joe Cook of Cee Vee, President; Randall Tucker, Vice-President; and Howard Powell, Treasurer.

The Caney Valley CB Radio Club of Bartlesville, Okla., was formed in mid-1963 and now has a membership of 45 families. President, Vice-President, Secretary, Treasurer and three trustees form the Board of Directors, all elected annually except the retiring President, who automatically becomes a trustee. The club meets on the first and third Friday night of each month. Coffee and rolls are served after each meeting with an hour or so of socializing. Any visitors interested in CB Radio are welcome.

The club was formed to try to improve the use of CB Radio for all licensees, and to render service to the community.

Being in the Tornado Belt, our most common function is our Tornado Watch. KWON Radio of Bartlesville, being the official Civil Defense and Weather Station for this area, alerts us when severe weather seems imminent, and we man nine mobile stations in a semi-circle from northwest to southeast of town, plus manning the CB rig in the radio station and one in the police station. However our most important function to date was when a lumber yard in the downtown business

district caught fire, with a northeast wind blowing at 35 MPH, and burned all of the telephone lines connecting the Fire Department with the Police Department and the KWON Radio Station. We were called upon for help and set up our portable base station at the site, plus mobile stations at the Police Station and Radio Station, helping materially in containing the fire to less than a square block area. The fire for a time, threatened the entire business district, with burning embers blowing several blocks on the strong wind. During the past few months we have assisted the Jaycees in a fund drive for a baby girl to be sent to an out-of-state hospital for a kidney transplant, the Jaycees in coordinating their city-wide paper drive, and furnished communications for a joint Army Special Forces and Explorer Scout anti-guerilla exercise.

March 20, the Marion County CB Club sponsored a Chile Supper for CB'ers and non-CB'ers. The supper was held at the American Legion Hut at Jefferson, Texas. The supper was free to all.

According to Mrs. Marie Thomas, Club Reporter, there were over 180 in attendance. Mutt Thomas told us that the CB club sponsored several such events throughout the year free of charge to all.

Over 700 CB'ers from East Texas and throughout the United States attended the Coffee Break and Equipment Show, March 28, at the Rose Center Building in Tyler, Texas. The meet was sponsored by the Rose City Five Watters CB Radio Club of Tyler, Texas.

The St. Anthony Hospital CB Emergency Group was formed a little over two years ago by Denver CB'ers for the purpose of using CB Radio as a supplement to Civil Defense. Relays are established at St. Anthony Hospital, on the west side of Denver with other relays at Bergen Park, Squaw Mountain, Empire, and Georgetown (these towns and communities are located in the mountains west of Denver). They are to pass information regarding routes, escorts, and road conditions for the doctors, nurses, and other hospital personnel moving from Denver to the underground hospital established in Georgetown. The staff, escorted by the CB'ers, will operate this emergency hospital in case of a national emergency. The hospital is completely supplied for emergencies—supplies, beds, water, food, drugs, operating equipment, surgical supplies, and other vital needs.

Members of the relay are registered with the Civil Defense officials, are licensed to operate CB transceivers under CD and FCC regulations, and are qualified first aiders, and are strictly volunteer.

The Denver Area CB'ers hold a coffee break, every Saturday, at the Old South Restaurant on West Alameda, at 6:30 P.M. For a coffee break, this is a dandy—and if you ever get into the Denver area, you'll want to make this one of your stops—and bring plenty of QSL's you'll need them.

Recently elected officers of the CB Bent Whips of Barstow, Calif. are: President, John Hamblin, KMX0304; Vice President, Buddy Clifton, KHI8992; Secretary, Gail Schwartz, KKK9606; Treasurer, Larry Logan, KKK9506. Meetings are held the 1st Thursday of every month at the Southern California Edison Auditorium. Monitoring channel is 11.

NORTHERN

Officers for the Hiawatha CB'ers club of Owego, N. Y. They are Pres., Cal Spaulding, KIC4451; Vice Pres., Ray Manzer, KJI3309; Sec., Mrs. Marie Slate, KIC-3396; and Treas., John Kasapian, KID2480.

Our meetings are held every month, usually the first Sunday. At the Goodrich Settlement Grange Hall. Meeting time is 7:30 P.M. We monitor Channel 4, anyone passing through this area give us a shout or drop in at one of our meetings. You will always be welcome.

The Glens Falls Area CB'ers Club Inc., announced that monitoring signs are being made to indicate to motorists with CB radios passing through the area that channel 9 is to be used in the event of an emergency.

A pennant with the club insignia will be purchased for the meeting rooms at 101 Warren St. The club meets on the second Sunday of the month.

Herb Colvin, KIC2999, President; Harley Hermance, Jr., KJI2772, Vice-President; Edward Pratt, KIE0139, Treasurer; Ruth Colvin, KIC2999, Secretary.

Members of the Adirondack Radio Club of Glens Falls and the Schenectady Radio Assoc. provided two-way radio communications during the two-day event of the

Lake George Winter Carnival sports car races on the ice, Feb. 6 and 7.

The course was covered by five radio stations placed at flag positions and at the start-finish line.

The radio system provided race officials, police and emergency services with immediate contact with any location on the ice during the two-day event.

The Penobscot Bay CB Club of Bucksport, Maine hold their meetings the 1st Monday of every month at the Hall in Bucksport. Meetings start with a pot-luck supper which are enjoyed by members and visitors. President, Daryl Lord, KBC4080; Vice President, Paul Corer, KBA6334. All CB'ers are invited to attend their meetings.

The Citizens Emergency Radio Team (C.E.R.T.) was recently organized in Bangor, Maine to give aid when and where needed to CB'ers, local police and CD. All members carry emergency equipment in their cars. C.E.R.T. monitors channel 9, 24 hours. They meet the 2nd and 4th Sundays at the Brewer Maine Police Station. Director of the club is Frank Jones, KKA9339; Ass't Director is Don McCann, KBC0810.

Central Vermont CB'ers officers for 1965 are: Board of Directors, Harold Grout, KBD0940; Jack Thygesen, KBD1477 and Henry McBride, KBD1395; Secretary-Treasurer, William Buskey, KKA6126.

Recently elected officers of the Interstate Emergency Communication Team include: President, Jack Ethier; Vice President, Leslie Hall; Recording Secretary, Bernard Caswell; Corr. Secretary, Ronald Menard; Treasurer, Paul Tyler; Communications Officer, Marcel Weiss.

The Beacon Communication Squadron, under the leadership of the Beacon Police Dept., Chief Woods, the squadron was formed to help the police on all emergencies. Meetings are held every other Tuesday at 7:00 P.M. at the Court Room, Beacon, New York. Officers elected include: Captain, Edward Litke, KKD-2992; Lt., Steve Ewanish, KKD5925; Sergeant, Joseph Peller, KKB8713; Sergeant, Larry Potter, KKD9556.

At the monthly meeting of the Keystone CB Club of America, held March 21, 1965, the newly installed officers with Ben DeRosa presiding held a snappy but informative meeting.

Several items were on the agenda as soon it will be summer and fun time. Of these items was the acceptance of 7 new members and reinitiating of the old coffee break afternoons held on Sundays. These were highly successful last year and now are being reinstated. Plans were made to increase the clubs building fund with a 50/50 raffle and one is to be held in the near future. It was announced that during the summer some of the Sunday coffee breaks would be held at a members summer home. This was well received.

REACT is now under the members consideration and is being carefully studied.

The club is also running raffles at every meeting in order to purchase a new set for the club's exclusive use.

The Mobile 11 CB Club, Inc., which was started by George Varney, 2W9601, has been in operation for 5 years. Meetings are held the 2nd Friday of each month at the State Armory in Hudson, New York, 8:00 P.M. with the following officers: President, Bette Christman, KBG1665; Vice President, Carl Stoner, KBG3180; Secretary, Sharon Larsen, KKD2594; Treasurer, Judy Bell, KBG0276. Club monitoring channel 11. Club paper is the CB Hive. Clubs wishing to exchange, contact: Pam Varney, Editor, Box 223, Philmont, New York 12565.

The Crystals Citizens Band Club recently held an election of their officers. Jay Dubner, KKD2495, was re-elected as the President, Gary Epstein, KKD6257, was elected the Vice-President and Treasurer, Richard R. Rios, KB12123, was re-elected as the Secretary and Brian Davis, KKD5927, was elected as our Public Relations Manager. At the same time of the elections it was announced that we had a total membership of 19. This total includes a member in Hertfordshire, England and a member in British Columbia, Canada.

Our club newspaper, The Crystal Corner, is published monthly by the members of the CBCB and can be swapped with other CB Clubs at the following address: 2897 Ardsley Road, Wantagh, Long Island, New York 11793.

The Springfield Five-Watters Club was organized January 30. It has its meetings every two weeks on Saturday at 1:00 P.M. Our meetings are held with parliamentary procedure. The main purpose of our club is to further interest in CB radios and "Promote Friendship and Good Will to All." We have a fine board consisting of four members. Their job is to see that all of

our members obey the rules of our club. If they seem to over-look one of our rules they are usually fined 25¢. If this fine is not paid in the month of notification it is doubled every following month until it is paid. We also have informal meetings where we usually just talk and relax. These are not held at regular meetings, they are set aside on week days when possible. Even though the rules and regulations must be followed, there is still fun and enjoyment in belonging to our Springfield Five-Watters Club.

The Endless Mts. CB Club of Pa., wishes to thank S9 for its invaluable help in promoting its jamboree. They would also like to thank the many CB'ers who ventured to the Jamboree and made it the success that it was.

Recently organized is the Long Island Channel Masters CB Club. Officers are: President, Larry Freed, KMD0268; Vice President, Ken Obletz, KKD9251; Treasurer, Howie Laskow, KKE0365. Major goal of the club is public assistance. Meetings are held once every 2 weeks.

CENTRAL

The Greater Omaha CB Club is now in its 5th year of progress with the following newly elected officers: President, Chuck Safarik, Jr., KLH4145; Vice President, Richard Dix, KGJ0650; Secretary, Connie Cain, KGJ0332; Treasurer, Lavanne Carroll, KGH4130. Meetings are held the 1st Friday of each month at 1st Federal of Lincoln, 2104 South 42nd Street in the Community room. Membership is presently at 60 active. Many members live in the Douglas County area and do much work with the CD.

At the annual election meeting, Lew Prine, KLN-1975, was elected one of the two coordinators of the Emergency Communication Team located in the Greenhills-Forest Park area of Ohio (Cincinnati). Bill Braun, KHI9519, is presently filling the post as the other coordinator. This group has been most active in the past assisting the Forest Park and Greenhills police departments on Halloween Patrols, stake outs and other activities.

An open letter from S. C. Field, KNJ1652.

Only those who have experienced such stupidity can appreciate the feeling when my auto went, "put, put." Rolling to a stop I first pondered the 2 P.M. business appointment I had in downtown Springfield, it was 12:45 P.M. Well, that appointment was shot and it took me two months to break this store down to the point of even making an appointment. Then, my mobile CB set came to mind (ever present since receiving my first license in Nov. 1964). Promptly scanning the Official National CB 10-Code, courtesy of S9 Magazine, my eye fell upon "10-34" and deciding that was my situation, I set the dial at Channel 9, National CB Calling and Monitoring Channel as well as Springfield's (Ill.) main standby channel.

Emitting my call with a "10-34" I was immediately contacted by Springfield station KHC9463, operated by Pauline Cader, secretary of the Springfield (Ill.) CB Club. After determining my situation didn't require immediate emergency aid such as first-aid, she moved me off channel 9 to free it for other calls.

Recontacting on Channel 20, I asked her to call a service station for aid and at that point we were broken by Springfield station, KLK6136, operated by Daibert Whitman (U.S. Army). He had followed my "10-34" from Channel 9. Sarge said no on calling a service station. He stated his office was only 7 miles away and he would be right out with a can of gas. KHC9463 said she would be standing by on Channel 20 until Sarge reached me and I was on my way.

Following these calls and during the interval until Sarge reached me, 3 State Trooper Patrol cars, none with emergency lights flashing or moving at high rates of speed, PASSED ME WITH NARY A GLANCE . . . and, here I was parked on an Interstate shoulder which permits no parking other than emergency and being I was so parked obviously indicates some nature of an emergency. Finally the 4th State Trooper Patrol that came by stopped and inquired as to my problem. Sarge then had called and said he was only a few minutes away so I politely told the Officer, CB had everything under control and he could be on his way as the prior three squads who hadn't stopped.

In summary, within 25 minutes from the moment I finished with my "10-34" I was on my way into town with my business appointment kept as scheduled . . . thanks to the Sarge and Pauline who kept in touch until

my problem had been relieved. Springfield CB Club can proud of these members. As for me, I was fortunate such stations are about and more than ever recognize the value and importance of this finely engineered instrument mounted below my dash.

On March 13, the Crystal Wizzards Club of Muskegon, Michigan, had their regular business meeting. Officers attending: President, Doc Blood, KNM2473; Vice President, Ralph Hern, KLO2466; Secretary-Treasurer, Shirley Hern, 19Q1178; Activities Chairman, Andy Wagner, KHG8499.

Also, at this time, Orville Bluhm, KLN9961, was elected Publicity Chairman.

Emergency stickers were sold during the meeting. The topic of having a CB Blast in our area was brought up for discussion.

A joint exercise in civil defense was staged by the U.S. Civil Air Patrol, Greenville Squadron 638-11, and the Central Michigan Quinwatters Citizens Band radio group, Sunday, using the Barryton Rod and Gun club as the headquarters.

The Grand Rapids, Newcosta (Morley and Ingham County CB clubs, Morley Boy Scouts, the Mecosta county sheriff's department and Conservation Officer Bill Gannon also took part in the operation, which simulated a situation where military aircraft of a foreign power had been reported over Reed City airport and shot down late Saturday night just north of Laingsburg.

In the mock set-up it was learned from a captured pilot that his mission had been to parachute agents and saboteurs into the area, and that six men had parachuted from the plane at such time that they would have landed somewhere in the Mecosta county area.

The problem of the civil defense organizations was to find the "enemy" agents, probably posing as hunters and trying to escape on foot. They were distinguished by a red or yellow patch on the left side of their coats.

Six CAP airplanes, landing on Chippewa Lake, took part in the search, and Charles and Connie Torry, both of Mecosta, Joe Clemente, Evert, and Clifford Smith, Barryton, loaned two-man ski-mobiles. Other searchers were on foot. Communication was maintained through

Citizens Band radio units and walkie-talkies.

CB'ers and Clubs are urged to send QSL cards to the following fellow who would appreciate them: Sherrill Morgan, Elizabethtown, Kentucky 42701. The gentleman, who has had the misfortune of having both legs amputated above the knees, has been helped by community CB'ers, which purchased him a CB rig, would really feel quite happy if CB'ers would send him a card.

Officers of the Fox Valley Citizens Band Sentinels are: President, Harry Vose, KHA4741; Vice President, Robert Tolley, KHD3159; Secretary, Anne Fairchild, KHD9727; Treasurer, Donald Haacker, KHD4993; Corresponding Secretary, Linda Westphal, KHC7655. Membership is approximately 70-75. The club meets the first Friday of the month. The club monitors channel 13 and always welcomes CB'ers to visit their meetings and get acquainted.

Newly formed club—11 Meter CB Club from Dundee, Carpenterville, Algonquin and Crystal Lake area, Ill., boast the following officers: President, Lee Drew, KLO-3442; Vice President, Elmer Soltow, KLK4193; Treasurer, Jim Murphy, 18B1093; Secretary, Irene Kosikar, KHD9414. Meetings are held the 4th Sunday of each month at the home of the President. Club monitoring channel 11.

Another formed club in the area is The Live Wires in Elgin, Ill. Meetings are held at the Carpenter Union Hall the 4th Wednesday of the month at 8:00 P.M. Guests are welcome. Monitoring channel 9.

The Tri-County Five Watters recently held a dance at the Marengo, Ill., VFW Lodge. A good turn-out of CB'ers, resulting in a full house, and a good time.

Officers of the CB Ass'n of Omaha recently elected are: President, Jan Pospichal, KLH2006; Vice President, Jack Noah, KLH0349; Secretary, Bill Gruhn, KLH8716; Treasurer, Dick Tryon, KLH8362. Radio theory and procedure classes are being held for the membership. Monitoring channel is 9 and meetings are held the 2nd Friday of each month.

Meetings of the Twin Cities CB Radio Club are held the first Saturday of every month at 1:30 P.M. and social meetings are the third Thursday of each month at the Producers Creamery, Empire Ave., Benton Har-

FCC EMERGENCY NOTIFICATION CARDS ONLY 2¢ EACH!

Section 95.85(1) of the CB rules states that if you use your CB gear for any emergency, even for calling for help for a stranded motorist, you must notify (in writing) both the FCC in Washington and your local FCC office. You must do this for each time you use your CB rig for emergencies. These FCC Notification cards were specifically designed to cut to a minimum the paperwork necessary for well meaning clubs and individuals—they contain all of the necessary wording (and are even addressed)—all you do is fill in a few blanks, stamp, and drop into the nearest mailbox. They come with a list of addresses of local FCC offices. Available postpaid in packages of 50 for only \$1. Thousands of these cards are already in circulation. Order now from:

**Project Aid
S9 Magazine
14 Vanderventer Avenue
Port Washington, N. Y. 11050**

HALT!

CB'ers & CLUBS! CH. 9 DECAL ONLY 50¢ ppd.

Get this big, easy-to-see, 3 color Channel 9 Monitoring decal for your car window! Boost better communications on CB by pushing and using Ch. 9 as the National CB Calling and Monitoring Channel. Immediate delivery. Only 50¢ each, bulk orders of 10 or more, 30¢ each. Dealer inquiries invited. Order NOW from:

**Channel 9
S9 Magazine
14 Vanderventer Avenue
Port Washington, N. Y. 11050**

bor, Michigan, Conference Room. All CB'ers are welcome. News from Stella Hardin, KHG4644.

ATLANTIC

Recently organized is the Master CB'ers of Augusta, Georgia, which started with 27 members and have grown, as of this writing, to 76 strong. The club was organized as a public service through CB to their community.

The Yadkin Valley Radio Club of Salisbury, N. C. recently elected new officers, they are as follows: Pres., Bob Knotts, KCJ4078; Vice Pres., Harry Fortner, KKK-4240; Sec., Roberta Correll; Treas., Irene Walsler, KKK-4299; and Sgt. of Arms, Larry Allen, KKK8296. The Club recently voted to change to channel 9 as a monitor channel as of April 26. They are also interested in getting back all of the previously allocated 23 channels we had if you can get Legislative support in your area write to Yadkin Valley Radio Club, P.O. Box 95, Salisbury, N. C.

The Arlington Metropolitan Citizens Band Radio Club, was organized five months ago in October, 1964. They would like to adopt a "pen-pal" or "sister" club. The thought is to correspond with a club that was formed approximately the same time we were. We could exchange plans, progress, club papers, QSL's, and ideas. Each club could compare its growth.

Recently members of the REACT Radio Patrol of Hagerstown, Maryland conducted a roadblock "drill" using autos of several members of the team to pose as the "getaway" car. Mobile units were dispatched to numbered intersections to be on the lookout for a description of the auto involved. All the members participating were very much in favor of the idea and since the team will be working with the Maryland State Police in such a roadblock if and when the real thing happens, many problems, both visual and communication were worked out for better "drills" in the future.

On Sunday, March 28th, 1965, units of the Hagerstown REACT assisted the Washington County Fire Departments by furnishing communications during a practice fire and Civil Defense exercise by the burning of several lodgings of the famed Pen Mar Park, will known resort throughout the 1930's. The buildings are being removed for improvements and will offer very good practice for the County Fire Departments and the Civil Defense team. Due to the height of Pen Mar, on Pen Mar mountain, the use of the fire FM radios would have interfered with other Fire Dept.'s as far as 100 miles. Each county truck will have a CB mobile unit assigned to communicate with other trucks in the area. Excellent 8mm movie shots were obtained by Jim Cross, KCP0823, who with the aid of Ed Benedict, KCF2574, are making a feature home movie of the REACT team and its functions. The Hagerstown team is number 2 in the state of Maryland and the first with Tri-State Communications, working Maryland, Pa. and W. Va. over a 3 year period. Channel 9 in the monitor channel, available 24 hours a day to the traveler through "The Hub City," where routes 11 and 40 meet. The REACT Radio Patrol Inc. meets on the 2nd Sunday of each month at 2:00 P.M. and all interested persons in the Hagerstown area are invited to stop at 914 Corbett St. and meet an interesting bunch of CB'ers.

The Tri-State CB Club of Hagerstown, Maryland had its first meeting on March 14th, 1965 at 730 Virginia Ave. in Hagerstown and Club By-Laws, purposes, meeting dates, membership forms and a Board of Directors were voted on. Selected by member vote to hold the key positions were: Gene Walkley, KKI4348; Paul Kline, KCG0769; Jack Mills, KM10718; Dean McNamee, Fred Smith, KK11402; and Carl Hook, Jr., KM10167. The Club will be a social type organization with discussion on CB the basic problem. The Club will have their meetings on Mondays between 7 and 9 P.M. All persons interested can contact the above mentioned persons. Good luck with the Club Gene and we'll try to get to your meetings soon.

March 3, 1965, A.P.R.E., Bob Smith, KKK6249, was guest at the social hour before the business meeting of the Dismal Swamp CB Club. An informal discussion was held on the stand S9 has with the new FCC rules. Although almost missed, the coffee was really excellent thanks to Jack Lowther, KCJ7865, club President, remembering to bring the pot. Mr. Lowther informs me that the new club house almost completed will be a real dream.

Congratulations are sent out to the Tidewater CB Clubs of which there are now seven participating clubs and to all the individuals who helped make the Cerebral Palsy drive such a great success. Executive Director, Mrs. Meyers was well pleased by the wonderful cooperation of the clubs.

The Norfolk CB Club that meets the 2nd Thursday of every month at Priest Electronics is really proud of the progress made on their radio trailer and especially the club emblem on it which was painstakingly made by Alan Ives, KCJ3283. The meetings conducted by "Chrome Dome" Nixon, KCJ2549, Club President and the new Vice President, J. C. Lake, KC11558 are made most enjoyable by their informality and interesting and informative by the movies regularly shown by Bob Walker, 5W2921.

Effective March 13, 1965, new officers for TERRAC are: Fred Bryant, KKK7179, President; Chuck Bismark, KKP2521, Vice President; and C. R. Poythress, Jr., Communications Officer. The club extends to Past President, Blake Fritz, KKK3915, the best of 73's on his new duty station and heartiest thanks for a job well done in forming TERRAC.

The Jamboree held in Suffolk, Virginia at the Shrine Club Building on March 27th and 28th was a tremendous success and was enjoyed by everyone. Over one hundred prizes were given away to the 1700 people attending. E. P. Aldridge of Norfolk, Virginia won the Grand Prize. CB'ers from all over were there but the furthest traveled was the "Lone Ranger," KCD1728, who drove down from New Jersey.

CANADA

Le 10 février, les 79 membres de l'Association Radio Riveraine Inc. ont choisi leurs administrateurs permanents pour l'année 1965. Et, le 18 février, ces derniers se réunissaient, par le truchement de leur radio-téléphone, pour former le conseil d'administration qui se compose comme suit: président Yvan St-Laurent (XM-55-1654), Mont-Logan; vice-président, Jean Michaud (XM-55-1655), de Rimouski; secrétaire, Réal Beaudoin (XM-54-126); de Baie-Comeau; trésorier, André Fournier (XM-54-346), de Baie-Comeau; directeurs: Robert Desjardins (XM-55-1842), de Matane; Mlle Irène Beaulieu (XM-55-1882), de Rivière Blanche; Mike Hacala (XM-54-363), de Baie-Comeau; Isidore Beaudoin (XM-54-127), de Baie-Comeau. A titre de président provisoire depuis la fondation de l'association, Yvan Ouellet (XM-54-137), de Baie-Comeau, fait aussi partie du conseil d'administration comme président ex-officio.

Le 28 février, les membres du conseil d'administration se réunissaient de nouveau, par la voie des airs, pour la voiedes airs, pour la formation des comités qui sont les suivants: Relations extérieures: Gérard Lefrançois (XM-54-343), de Baie-Comeau; Recrutement Jean-Louis St-Laurent; (XM-55-1825), de Rimouski; Surveillance: René Langlais, (XM-55-1695), de Mont-Joli, Bernard Rioux (XM-55-125), de Trois-Pistoles, Maurice Léveillé (XM-54-508), des Escoumins; Technique: Patrick Gagnon (XM-55-413), de Rimouski, Léo Bernier (XM-55-1278), de Saint-Fabien, Aril Coté (XM-55-1105), de Sayabec, P.-P. Thérien (XM-54-111), de Baie Comeau; Activités et Loisirs: Gaby Vaillancourt (XM-54-467) de Baie-Comeau; Recherches culturelles: Jocelyn St-Pierre (XM-51-344) de Les Méchins.

Plan a Canadian Vacation at Straffordville, Ontario on July 2, 3 and 4th for the CB Campout, sponsored by the South Western General Radio Association and Straffordville Channel Jammers. You now can obtain permission from the Department of Transport to use your set in Canada free of charge through "Tourist Radio Service." Apply to Regional Superintendent of Radio Regulations, Department of Transport, 25 Sinclair Ave., East, Toronto, Ontario, Canada. Many prizes will be given away, camping grounds, trailer spaces, light lunches, refreshments, safe play area, motel accommodations, children's rides, hot and cold running water. All are invited. Direct all inquiries to: Peter W. Harding, 26 Grosvenor St., London, Ontario, Canada.

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

SOUTHERN

The Five Watt Wonders Citizens Band Club of New Orleans now has a permanent mailing address of Post

Office Box 1083, Metairie, La. The New Orleans monitor KMR0679, licensed to the club and monitoring channel 12, went on the air for the first time on Mardi Gras Day, March 2nd. This monitoring station handled emergency traffic for twelve hours, communicating with CB mobiles that were stationed at six different Red Cross emergency first aid stations spread out along the routes of the Mardi Gras parades.

The swift handling of 113 emergency requests for supplies and ambulances left the New Orleans Red Cross and New Orleans Police Department in amazement. Community agencies utilizing CB in the New Orleans area now include the New Orleans Police Department, the New Orleans Red Cross, Jefferson Parish Cross, St. Bernard Parish Civil Defense, Jefferson Parish Civil Defense and the Jefferson Parish Sheriff's Office.

Worthy of special mention is the Jefferson Parish Civil Defense which has two complete disaster communication centers which line up amateur, citizens, police, State police, fire, power, Department of Roads and Bridges, Water Department, and Marine Radio transceivers side by side.

Club members monitoring on Channel 12 assisted dozens of out-of-town mobiles. Every one of the Mardi Gras Parades relied heavily upon CB frequencies.

The Strawberry Center CB's Inc. Club was organized in 1963 to provide an emergency communication service for the Plant City, Florida area and to attempt to regulate the use of the CB Service among the CB users of the area.

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

The membership has grown to where there are about 40 today.

The present officers are: President, Tom Moody, 7W-3227; Vice President, Fred Kelley, KDH3031; Secretary, Dick Duncan, KD11393; Treasurer, Bob Cuddy, KKP-2180; Reporter, Carl Kendrick, KD11341.

The Club has in its hands today a 26' house-trailer which serves as an emergency communication and rescue Headquarters. The trailer is equipped with: Pierce Simpson CB Transceiver, Civil Defense Radio, Police Monitor, can be equipped with a ham rig in time of need, 3,000 watt bottle-gas emergency portable generator, telephone, portable CB antenna, and the central parking place for the trailer is inside a chain-link fence next to a 200' water tower on top of which is mounted a Mag. CB Ant. The Club can cover 4 county areas in time of need. (Hillsborough, Pinellas, Pasco, and Polk Counties.)

The monitoring channel for the club is "4." The emergency channel is "18." The Club's call letters are: KKP8840.

The Club mailing address is: P.O. Box 2, Plant City, Florida.

By the time this article is printed, the club will have participated in the Strawberry Festival, March 8-13 in Plant City. The emergency trailer will be parked at the fair grounds and will monitor channel 4 from 1 P.M.-11 P.M. The trailer will serve as an emergency communication center, aid station to the weary fair-goer, and as an exhibit of the Club.

The Hub City Radio Club of Crestview, Fla., recently participated in "Project Aid" for the annual March of Dimes. Working with a local radio station, (WJSB) the club collected called in donations. By keeping one unit at the radio station and operating the rest as mobile units, the club had constant radio contact with all members. This project gave our citizens a better attitude toward CB Radio in general. Also the station constantly gave plugs for our club. We are a young club and would like to hear from some older clubs. We monitor channel 11, and take great pride in helping traveling CB'ers with road information, etc. Our members QSL 100%.

Jefferson Parish Civil Defense now has two control stations for emergency operations. Both emergency centers are equipped with Browning Eagles operating primarily in emergencies. The call letters are KEB-1515 and KEB1516. These two stations can cover the entire greater New Orleans area.

The Jefferson Parish Sheriff's Auxiliary is now using the Citizens Radio Service in the field of law enforcement. The Sheriff's radio system is being paralleled to provide communications for the Deputies of the Auxiliary.

Rumor has it that the 5 Watt Wonders and the Metro-

politan CB Club of the greater New Orleans area are making a study of CB Jamborees to find out if the two clubs working together could have a good Jamboree. Maybe some of the clubs that have had successful Jamborees could make matters easier by sending their tips to either of the two clubs.

The officers for the 5 Watt Wonders for the year 1965 are: Pres., George Vraney, KEB1504; Vice Pres., Don Karetz, KEB3900; Sec., Francis Denton, KEB3401; Treas., Frank Forestore, KKR3750.

This club monitors channel 12. Club call letters are KMR0679. Club paper is the Carrier, edited by Lovie Campbell, KEB0267. Mailing address: 4105 Williams Blvd., Kenner, Louisiana.

The officers for the Metropolitan CB Club for 1965 are: Pres., Al Schubert, KEB3440; 1st Vice Pres., Roy Todd, KKR4784; 2nd Vice Pres., Mickey Ogle, KKR-4900; Sec., Ann Burns, KKR0438; Treas., Betty Moran, KKR1118.

This club monitors channel 11. The club paper is the Modulator, Editor Dana Todd, KKR4784. Mailing address: 324 Elsa Drive, Avondale, Louisiana.

The 5 Watt Wonders QSL and both clubs swap news papers.

PACIFIC

An open letter from Millie Turner, KFJ2368.

This letter is not to brag about one club in the Pacific Northwest, but to tell you what a great bunch of people there are in this area that belong to various radio clubs.

On January 27th of this year our son had an unfortunate accident with a BB gun, he dropped the gun and it discharged hitting him in the eye. He lost his left eye as a result of this accident. The Evergreen CB Club, of which we are members, saw to it that this 12 year old boy did not lack for company in the hospital and also got permission to put a CB radio in his room.

They got together and plans began to take shape to help raise money to pay for his artificial eye. The clubs in this area joined forces for a benefit dance that was a huge success. Those participating in the ticket sales were the CB Minutemen of Seattle, the North End Club of Seattle, The Westerners of Everett, The Skagit Valley CB Club of Mount Vernon and our home club the Evergreen CB Association of Everett.

Mr. Orrin Russell, KFJ0759, the Vice-President of the Evergreen Club was chairman of this dance, and with the help of all the other CB'ers in this area, it is my belief that they helped convince the general public that CB'ers aren't just hobbyists.

I know you can't print my letter, but would you just give these people, who deserve it so much, a small article in your column.

An Open Letter From Hank Velkinburg, KLC1776, President of the McKenzie Citizens Band Radio Ass'n.

At the March meeting yours truly finally had a long standing dream come true. The Association voted to accept one hundred per cent one of the truly fine programs ever offered to Citizen Band Ops., REACT. It has been a long struggle, but well worth the effort. A survey will be taken to assign days and hours best suited to each member. Jerry Tinsdale, KFG0730, Herbert Hoover, KLC1590 and myself along with Bill Platt, KLC-2150 have volunteered to do the monitoring until assignments are made. Hal Reno, KLC0693 has accepted the position of team captain on a temporary basis. The team is called the Emerald Empire REACT team. We will work in conjunction with several other affiliated teams in the Lane county area headed up by Herb Hoover, our area co-ordinator. So, all you CB'ers may rest assured we will be ready to assist you in any way when passing through our area. Our end goal is to develop a REACT system the length of the Willamette Valley in Oregon.

Special Guest Story from S9, A.P.R.E. C. R. Comfort, KFD2121.

WHAT DID THIS COST?

As you read this story I should like you to keep the title in mind.

PLEASE HELP ME!! This was the start of a series of events that took place on the evening of Dec. 19, 1964, in the Santa Clara Valley area of California. Traffic on the roads and streets of this heavily populated area was at its worst with Christmas shoppers. The weather was miserable, it was raining and had been for a number of days.

This plea for assistance was heard on channel 11 by a number of CB'ers both on the roads and in their homes, people busy shopping, people weary from a week of rain

and work, resting in the warmth of their homes.

At a time when a lot is being said and published about people in distress who have asked for help, and have been ignored by a passive public. Could this person, this stranger, a voice in the night, receive help?

YES. In a staggering amount. After the first transmission for help other somewhat garbled calls from the same person followed. Stating there had been a tire failure. The car had skidded and gone off the road, somewhere near Laurel Canyon in the rugged Santa Cruz Mountains. It was understood by those listening that the person calling (a woman) was trapped unable to leave the car.

Help came in many ways, first groups of CB'ers, then the various police agencies of the area joined the rapidly growing search. By midnight a large area had been covered with no result. Two channels were reserved for REACT and the volunteers working on the search. Channel 11 was also kept clear in hopes that any further calls from the wrecked car would help to pin-point its location. The calls had faded out earlier.

Efforts to find the car and its occupant continued all the next day, every means available were used. In weather that was unsuitable for flying, airplanes and a helicopter took off to search the fog shrouded mountains.

The search now included nearly 500 CB'ers organized under REACT, and a large number of others from various public agencies.

On the evening of Dec. 20th a little more than twenty-four hours after the first call started the mass search, the calls were declared false and the search came to an end.

Looking back on the incident now, I wonder if the next time a call for assistance is made will help come? Or will the plea go unheeded by the people who remember the injustice done them by the false call.

Yes, I think a call for aid would be answered. But I hope your life and mine will never depend on it.

One other thought comes to me as I think about that hoax call. What of the person who makes such a call? Consider the heavy burden on their conscience. To be sentenced to face, possibly each day some fellow man to whom they owe a debt. A debt that can not be repaid, for there is no way to pay back the time, work, discomfort and anxiety suffered by the men and women and their families, whose only wish was to help another person in need.

There is also the legal aspect of transmitting a false call for help. I will not go into that part of the subject any more than to say that the Federal Communications Commission rules clearly state that such an act is illegal. And the law provides penalties for those who do not respect it.

WHAT DID THIS COST? . . . CAN YOU OR I OR ANY CB'er AFFORD IT?

The local area in Central Montana is comprised of three CB clubs, the Cascade County CB Radio Club Inc., the officers are Bill Sporeleader, KLD0570, President; Marv McDons, 14Q1347, Vice-President; Darrell Thomas, KFJ1966, is Secretary; Henry Reihl, KFJ1604, is Treasurer. The purpose of this club is to help with radio communications of any nature which they may be called upon to do so.

The second CB club is the Mountain Patrol which is a Four-Wheeled Jeep Club. This organization is the basic rescue unit, it is primarily made up of individuals who are trained in Mountain rescue and first aid, these individuals are called upon any hour of the day or night to help with any emergency which may occur. The officers are: Lloyd Mohn, KF11497 is the Commander, Roy Hall is Dept. Commander, KFJ1998, Ray Heisler, KF11203, is Secretary and Tom Cummings, KF11582, is Treasurer.

The third CB club is the Cloverleaf Emergency Volunteers, this organization, like the Cascade County Club is here for the purpose of communication in the area. The officers are: President, Rock Minister, KFJ-0298; Vice-President, Don McRoberts, KB18954; Connie Minister, KFL0298 is Secretary and Treasurer of the club.

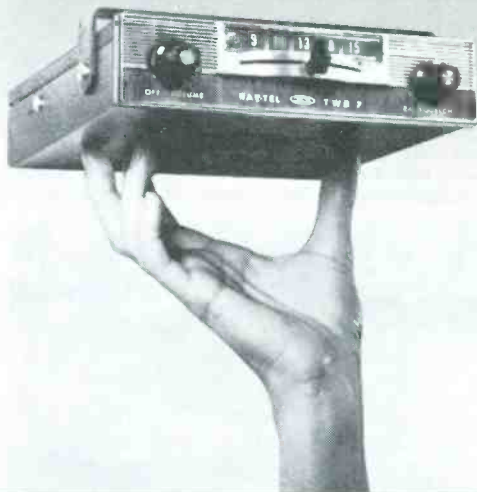
The Falls area monitors channel 9 and channel 2 just about 24 hours a day and have two wrecker services and ambulance service on CB for certain emergencies whenever they arise and also listen for traveling CB'ers when passing through the Falls area, at present, they are in the process of putting signs at the entrance of Great Falls in order that the out of town guests will know just what channel to monitor and to receive aid and advice when needed.

The Oregon Grapevine, Inc., was organized five years ago by a small group of people desiring more knowledge of CB radio and its use. Today they number twenty-three members and perform a variety of civic activities,

RAY-TEL BY RAYTHEON

TWR-7

GREAT
NEW
CITIZENS BAND
RADIO



Advanced solid-state technology... all planar silicon transistors... slim-line styling permits easy mounting in any car. TWR-7 is the economical answer to highway emergency radio for every motorist.

\$129⁹⁵

HIGHLIGHTS: 5-channels • 5-watts power input • Usable for Public Address • Zener diode regulated • RF output and modulation indicator light • Two-stage noise limiter • Exceptionally low standby current drain • Size: 1½" high, 6¼" wide, 7½" deep.

RAY-TEL 213 E. Grand Ave., So. San Francisco, Calif.

Please send full information on TWR-7, C-B radio...

Name _____
Number _____ Street _____
City _____ State _____ Zip code _____

Write to our advertisers for special product news

June 1965 • 51

including furnishing all communications for the Delta Park Rose Cup Race, and Go-Kart races at Ocean Lake and Sandy, Oregon; controlling crowds and traffic at the Pacific International Parade; dispatching and operating radio equipped cars for TW marathon fund drives; and last but not least, putting on the annual open house and radio show.

This year the open house and radio show has outgrown itself and will be held in the Portland Civic Auditorium, a far cry from the first year when we had only two-hundred guests. We expect this year to number in the thousands with a live floor-show, comedian Monte Ballou, and Johnny West, well-known DJ from KPOJ radio as M.C. The show will open at 2:00 P.M., May 8, 1965, and continue until 11:00 P.M. with the main entertainment and door prizes at 8:00 P.M. Displays will include merchandise manufactured by firms in the U.S.A. as well as some foreign countries.

They utilize a local monitor to keep our club members alert. This radio is manned almost 24 hours a day on Channel 9.

Our officers are: Mr. Dave Beadle, President; Bob Wilkinson, Vice President; Cricket Jones, Secretary; Jo Rasmussen, Treasurer; Curt Fenney, Alan Erickson, Martin DuBois, Board Members.

Any visitors from out of town are welcome to contact any member for a visit to our regular monthly meeting, held on the first Tuesday of each month.

EXTERIOR

Southcentral Alaska Chapter of Mobile Communications Emergency Unit (MCEU, Inc.) participating in the Anchorage Fur Rendezvous parade Feb. 20. Members in the car are Tom Moore, KKN0808, Chapter President; Jerry Miller, KLN9149, Vice Pres.; Rick Croan, KLU0173, Treas.; Mike Carpenter, Member. Photo by Jim Taylor, KCG2687, Chapter photographer.



On Saturday, January 29, fire broke out in the Standard Oil Company yards near the Anchorage City Dock area. The fire was spotted and reported by Julian McCalla, KJC0223, at approximately 2:45 P.M. Our chapter president, Tom Moore, KKN0808, heard the call and proceeded to the area of the fire and put out a 10-45. Tom Gregory, KLU0198, Chuck Lowery, KLU-0347, Jim Taylor, KCG2687, Vern Davis, KG18472, and Evert Fellows, KLU0245 responded. Brad Levy, KLQ-0889, heard the call but was unable to participate because he was on his way to work. However, he placed a call to the Anchorage Daily News and arranged for a mobile unit to position at the News office and for another unit to make contact with reporters already at the scene to relay information to editor Joe Rothstein. Vern Davis, KG18472, was the unit dispatched to the News, while Tom Moore, KKN0808, established contact with the reporters and also provided a communications link for newscasters from radio stations KFQD, KENI and KENI-TV.



During World War II, members of the U.S. Armed Forces discovered that mechanical malfunction of military equipment was caused by goblins called "Grem-lins."

According to "Bill" O'Neill (2Q3196) a gnome called a "Bumlin" is the culprit when radio sets go awry. Bumlins carry call books to locate their victims, and with hammers, snips and meters they carry out their nefarious deeds. They are reputed to be no more than six inches tall—but invisible to the human eye. This one was spotted with the aid of a Mythoscope.

CB CLUB PROFILE

DELAWARE VALLEY CB ASSOCIATION

CELEBRATES ITS FIFTH BIRTHDAY THIS MONTH

DELAWARE VALLEY CB ASSOC. INC., P.O. BOX 1986, WILM., DELAWARE, celebrates its 5th birthday anniversary at the February 25th meeting of its members. It is the oldest CB Radio Club in this area. Founded in February, 1960, the first meetings of its 12 charter members were held in the conference room of the News Journal. Membership is now well over 200 with Delaware, Maryland, New Jersey and Penna., all represented in the active membership of the club.

This club is one of the many groups throughout the United States, banded together by a common interest in Citizens Band Radio Communications assigned the 11 Meter frequency by the Federal Communications Commission in 1958. Radios used in this service must be operated under a license issued by the FCC. Transmitters are limited to 5 watts maximum and transmissions are usually limited to under 150 miles. Citizens Band Radio is used for reliable two-way voice communications of business or necessary personal messages.

Meetings of our club are now held at 8:00 P.M. on the last Thursday of each month, except July and August, at the Wilmington Post #1, Delaware Veterans of World War II, Inc., 2535 Veterans Drive, Wilm., Delaware, meeting hall. The club always has a well planned and interesting meeting, with refreshments served afterwards. The meeting hall is located approximately 8 tenths of a mile on Naamans Rd. above Faulk Rd., or one mile south of Rt. 202 (at Brandywine Raceway) on Naamans Road.

An Emergency radio network is functioning from the Claymont Mire Co. where our radio room is located. The Clubs own radio antenna was installed on the siren tower of the firehouse building by our members. The radio room is operable at a moments notice when called upon. The club has long had its own call letters which are KCD2791.

Even before we had our own radio room, the club has worked and still does, behind the scenes for local gov't agencies. Members helped patrol local communities on Mischief and Halloween nights, locating a stolen car in Penna. and reporting a shooting in Del. The club has also helped control traffic at parades and fireworks displays, helped search for lost children, and helped in rescue operations on the Delaware River, worked very close with our District Attorney's office on a few occasions. The club has a roster of radio equipped automobiles standing by to help in any local or national emergency for which they might be called.



CLIP AND MAIL CLIP AND MAIL
**PLEASE RUSH THE ITEMS CHECKED
 BELOW! YOUR CB SELECTION IS GREAT!**

(FILL IN COUPON AND CHECK ITEMS WANTED, SEND TO WRL)

NAME _____ CALL _____

ADDRESS _____

CITY _____ STATE _____

CASH CHARGE (new customers please send credit info for charge orders)

RUSH ME
THIS ITEM

**WRL'S GREAT NEW "DX'ER"
 2-WEEK HOME TRIAL!!!!**

MONEY-BACK GUARANTEE*

*Less transportation charges

**THE BEST CHOICE FOR
 BASE OR MOBILE STATION**

- Full 5 watts power—fully modulated
- Built-in 3-way power supply
- One model for 6V/12VDC/117VAC operation
- Illuminated "S" and modulation meter
- Double conversion superheterodyne receiver
- Plug-in ceramic mike, coil cord, push-to-talk
- Easy access for crystal changing



\$119.95

\$6.00 MONTHLY

MANY DELUXE FEATURES:

- ✓ ALL CHANNEL TUNING
- ✓ 12 CHANNEL TRANSMIT
- ✓ CRYSTAL SELECTOR
- ✓ UNIQUE CRYSTAL "SPOT-QUICK" CONTROL

RUSH ME
THIS ITEM

**NEW WRL WT-1000
 3 TRANSISTOR
 PLEASURE TIME
 WALKIE TALKIE!!!**

**\$10.95 NO MONEY DOWN
 \$20.50 FOR MATCHED PAIR**

- FACTORY WIRED—no soldering—no mess
- No license needed—no age limit
- Handsome, compact—weighs 10 oz.
- Offers up to 1/4 mile on-the-move communications
- Includes battery & telescoping antenna



RUSH ME
THIS ITEM

POSTPAID



**IMPROVE CB RECEPTION
 SATISFACTION GUARANTEED**

\$11.95 CB Preamplifier
 Model NA-27

New...Compact...CB Preamplifier
 ...Guaranteed to improve reception of any CB receiver. Uses two 6CW4 nuvistors offering up to 20DB gain on RECEIVER SIGNALS. Ready-to-install into any CB unit. **MONEY-BACK GUARANTEE!**

WRL

**WORLD RADIO
 LABORATORIES**

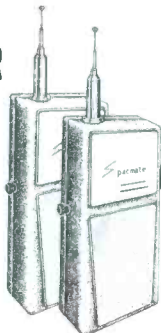
3415 WEST BROADWAY
 COUNCIL BLUFFS, IA. 51501

RUSH ME
THIS ITEM

**WRL "SPACEMATE"
 DELUXE 9 TRANSISTOR
 CB WALKIE TALKIE**

**\$34.95 NO MONEY DOWN
 \$29.95 EA. IN PAIRS**

- FOR HOME—PLEASURE—SPORTS—INDUSTRY
- Operating range—1 to 5 miles under ideal conditions
- No license or test required
- Includes leather carrying case, battery & antenna.



CLIP AND MAIL CLIP AND MAIL

COMING EVENT CALENDAR

SPECIAL S9 JAMBOREE APPEARANCE

A special Jamboree appearance of S9 Club Editor and Mrs. John F. Krejc, is planned for the Southwestern Ohio CB Ass'n Jamboree Third Annual SWOCBA Nationwide CB Jamboree) Saturday and Sunday, August 1st and 22nd, at Warren County Fairgrounds, State Rt. 48, Lebanon, Ohio. SWOCBA Jamboree Chairman, Gene Lebanata, tells us that this is one of the most spectacular Jamboree's in the Midwest. They have planned excellent live entertainment, and as of this writing, \$3,500 in prizes to be given away, which includes 8 CB rigs. Camping grounds are available to those with tents or camping trailers free of charge. All proceeds will again go to the retarded children. Also tentatively expected to attend is the Honorable Governor of Ohio, James Rhodes. Tentative plans of the S9 troupe, at this writing, is to arrive August 20th, probably around 9:20 p.m. Definite launching plans will follow in the July and August issue. Stay tuned to S9 for the count-down. Interested CB'ers wishing to attend contact: Nationwide CB Jamboree, Box 231, Mason, Ohio.

Lancaster County CB Radio Club will hold their annual Jamboree, July 4th. More info forthcoming.

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

The Lake City CB Club and the McDowell County Rescue Squad will sponsor jointly the 2nd Annual Grandfather Mountain CB Jamboree, June 11, 12 and 13th. Place: Mac Rea Meadows on the slopes of Grandfather Mountain. Contact: Blanche Wilkerson, 308 Vale Street, Marion, N. C.

June 26th and 27th, the Illinois Valley CB Club will be celebrating their 5th Annual Get-To-Gether. More info will be coming as to site.

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

The Southeastern Michigan Jamboree will be held at Swiss Valley Park, Utica, Michigan, June 5th and 6th. Chairman: Stanley Skoczen, 17542 Nine Mile Rd., East Detroit, Michigan.

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

The Delaware Valley CB Ass'n will hold the Grand National Jamboree in September, 1965. More info forthcoming. Contact: P.O. Box 1986, Wilmington, Delaware.

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

Lake Erie CB Radio Club will hold its 1st Annual National Jamboree, July 17th and 18th at El Ray Grotto Park, at the corner of state routes 113 and 58, just south of Lorain, Ohio. Contact: Michael Salzman, P.O. Box 5, Lorain, Ohio or Jon Batley, 29803 Lake Road, Bay Village, Ohio.

The Space Capital CB Jamboree Ass'n, Inc., will hold its 2nd Annual Jamboree at the Madison City Coliseum, Huntsville, Ala. May 29th and 30th. Contact: P.O. Box 1184, Huntsville, Ala.

The Rock River Valley CB Club is going to hold their Jamboree, May 23rd, Illinois National Guard Armory, 606 N. Main St., Rockford, Ill. Contact: Earl Swanson, 918 Blenheim Drive, Rockford, Ill.

The Tri County CB Radio League of Akron, Ohio will hold its Jamboree, June 6th at Chippewa Lake Park, near Medina, Ohio. Contact: P.O. Box 1301, Akron, Ohio.

Giant National CB Jamboree and Campout, July 17th and 18th. Location . . . Routes 58 and 113, West of Elyria, Ohio, at the beautiful Grotto Park. Contact: Lake Erie CB'ers, Inc., P.O. Box 5, Lorain, Ohio.

Tri-County Citizens "D" Banders, Inc. will hold their

gigantic Jamboree, July 18th at the Mannington Fairgrounds, Mannington, W. Va., on US 250. Contact: Route 3, Box 173, Bridgeport, W. Va.

The Sioux Empire Citizens Communication Ass'n will sponsor the 2nd Annual Great Plains CB Radio Convention at the Fairgrounds at Sioux Falls, South Dakota, June 18 to 20. Contact: A. C. Sando, 1100 Sunset Drive, Sioux Falls, S. D.

The Town and Country CB Radio Club, Inc., will sponsor a 2 day coffee break and pancake supper on May 22nd and 23rd at the Fairgrounds in Hemlock, New York. More info to follow.

Kern County Citizens Radio Ass'n is again planning its 3rd Annual CB Jamboree, at the Kern County Fairgrounds, Highway 99 and Casa Loma in Bakersfield, California. May 29th and 30th, are the big dates. Jamboree will be held inside 25,000 sq. ft. building with air conditioning.

Wayne County REACT will hold their Jamboree May 29th and 30th, Wayne County Fairgrounds in Wooster, Ohio. Rain or shine. Contact: Wayne County REACT, P.O. Box 281, Wooster, Ohio 44692.

The Fort Findlay CB Club, Inc. of Findlay, Ohio will hold their Annual CB Jamboree, June 6th at the Hancock County Fairgrounds. Contact: P.O. Box 123, Findlay, Ohio.

The Five Watters of Lake County, Willoughby, Ohio, are planning a Jamboree for July 30, 31, and August 1st to be held at the Fairgrounds in Painesville, Ohio, Route 20, Mentor Avenue one mile west of the town. Contact: P.O. Box 489, Willoughby, Ohio.

The Shiawassee County CB Club, Inc., will sponsor the Central Michigans largest Jamboree, June 19th and 20th, County Fair grounds, Corunna, Michigan. Contact: James Hardwick, 1507 Lynn St., Owosso, Mich.

The Citizens Band Radio Club of Fresno, California will hold their Jamboree, June 5th and 6th at the Wildwood Beach Country Club. More info coming.

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

The Cee-Banders Radio Phone Club of Birmingham, Alabama will hold its 2nd Annual Jamboree, June 5th and 6th at Camp Cosby. More info coming. Contact: P.O. Box 563, Birmingham, Ala.

The Chenago County CB Radio Club Inc., will hold its CB Rally and get-to-gether, Sunday, June 27th, on Route 12, Community Field, Green, New York. Big attraction, skydivers. Contact: P.O. Box 141, Oxford, New York.

June 13th, the Bradford CB Radio League Inc., will hold a COFFEE BREAK, 12 till 5 p.m., Marshburg GO-KART track on Route 59 Main Route, New Kinzua Dam, Penna. Trophy for largest Club Caravan. Monitor Channels 9 and 11.

The Texas CB Ass'n and local Texas area clubs are planning the first Texas National Jamboree, tentative dates, June 11th, 12th, and 13th in Dallas, Texas. More info coming. Contact for further info. P.O. Box 678, Carrollton, Texas. Tentative door prize—a 1965 auto. They say things are big in Texas.

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

The Jacksonville CB Radio Club of Jacksonville, Ill., sponsor their Jamboree, June 6th at the Morgan County Fairgrounds. Contact: Albert H. Gourley, 2010 Plum St., Mound Heights, Jacksonville, Ill.

The Five Watters of Lake County in Painesville, Ohio is holding their Jamboree, July 30, 31, and August 1st at the Lake County Fairgrounds, Route 20, Mentor Avenue, Painesville, Ohio. Contact: P.O. Box 489, Willoughby, Ohio.

The Tri-County CB Club and Emergency Unit will hold their 3rd Annual CB Jamboree, Sunday, June 13th at the 4-H Fairgrounds, 3½ miles south of Bedford, Indiana near junctions of highways 37 and 50. Monitor Channel 11. Contact: P.O.

Box 21, Heltonville, Indiana, or Orval McLaughlin, 222 Lincoln Avenue, Bedford, Indiana.

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

The Civil Air Patrol and the 90 Meridan Citizens Band Radio Club Rally Fly-In, Drive-In, Breakfast, Sunday, June 6th, Reedsburg Airport, Reedsburg, Wisconsin. 7:00 a.m. to 12:00 A.M.

The Manchester Radio Aid is holding a CB Carnival, June 13th. Contact: 335 Lake Ave., Manchester, N. H. As per correspondence received here, no place was mentioned. Site should be sent to this writer, so proper credits can be given.

The Grape Belt CB Radio Club will hold its first Coffee Break, Sunday, June 13th, County Fairgrounds, Dunkirk, New York. The Fairgrounds are easily reached by the N. Y. Thruway, exit 59, straight ahead at the exit, thru the Dunkirk-Fredonia Plaza to the end, turn right, then 300 feet on the left is the site. The Club will monitor Channels 9 and 11. Contact John W. Hall, 420 Swan Street, Dunkirk, N. Y.

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

Music City CB Jamboree, sponsored by the Donelson CB Radio Club, June 25th, 26th and 27th at the Tennessee State Fairgrounds Coliseum. The Coliseum is located in Nashville, Tenn. Many should remember the 1964 Dixie CB'O Ree. This should be even better. Contact: Music City CB Jamboree, P.O. Box 2301, Nashville, Tenn.

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

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

Land of Lincoln CB Radio Club Jamboree, June 5th and 6th at Macon County Fairgrounds, Decatur, Ill. Contact: President, Frank Reed, P.O. Box 152, Dalton City, Ill.

The "23" Citizens Band Radio Club of N. Central, Mass., will hold their gala CB Jamboree, June 20th, Notre Dame Athletic Field, South St., Fitchburg, Mass., on June 20th. Contact: Jamboree Chairman, 76 Chester St., Fitchburg, Mass.

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

The Little Washington CB Radio Club of Washington, Penna. will hold their 2nd Annual Jamboree, June 6th at the Washington County Fairgrounds. Jamboree control channels 9 and 21. Contact: P.O. Box 251, Washington, Penna.

Big Jamboree, sponsored by the Tupelo Signal Tracers of Tupelo, Mississippi. Tupelo Fairgrounds, June 19th and 20th. Jamboree control on channels 1-11 and 13. Contact: Signal Tracers, P.O. Box 1084, Tupelo, Miss. 38801.

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

The Michigan Water Wonderland Jamboree, sponsored by the CB Communicators of Berrien Springs, the Twin City CB'ers of Benton Harbor-St. Joseph, and the Tri-County CB Club of Coloma, Michigan, will be held Sunday, June 6th at the Berrien County Youth Fairgrounds, Berrien Springs, Michigan. Entertainment all day. Contact: Ed Newton, 2120 Irving Drive, Benton Harbor, Michigan.

Aurora Five Watters CB Jamboree, June 13th, at Phillips Park, Route 30, Aurora, Ill. Monitoring channels 9 and 12. Admission is free. How about that. Contact: Kathleen Turner, 2330 Brentwood, Aurora, Ill. Remember June 13.

The Airways CB Club of East Central Missouri will hold its 1st CB Jamboree and Equipment Show, May 28th, 29th and 30th at Wright City, Missouri. The Jamboree will be held in Wright City's recently completed city park, parallel to US 40 and interstate 70 about 50 miles west of St. Louis. Contact: C. H. Vogelsang, 1437 Plaza Place, Wentzville, Missouri.

Mid-States CB Jamboree to be held at the Wayne County

4-H Grounds, Centerville, Indiana, June 13th. The event is sponsored by the Wayne County CB Club of Richmond, Indiana. Contact: Mid-States CB Jamboree, 422 S. 14th St., Richmond, Indiana. Prizes galore. Live entertainment.

CB Picnic of the Springfield Area Citizens Radio Ass'n and REACT of Clark County, Ohio, May 23rd at the Clark County Fairgrounds, Ohio. Monitor channel 11. Contact: Mona E. Garland, 518 Ludlow Avenue, Springfield, Ohio 45505.

Monmouth County Emergency Aid Network, Inc., will sponsor their 2nd Annual Picnic, Saturday, June 13th at the Shady Rest Inn Picnic Grove. The location is 3 miles east of the freehold traffic circle on N. J. Highway 33. Admission will include food, beverage and entertainment. Contact: MCEAN, P.O. Box 712, Freehold, N. J.

The Montclare CB Club of Chicago will hold their annual Father's Day Picnic and Jamboree, Sunday, June 20th at Fox River Grove. Because of the huge attendance last year, they will consume groves 2 and 3.

The Beaver Valley Citizens Radio Ass'n will hold its CB Jamboree, Sunday, June 13th at Economy Park, Ambridge, Penna. Monitor channel 9. Main prize: color TV.

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

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

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

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

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

The Citizens Band Radio Club of Fresno, California is planning its 3rd Annual Jamboree, June 5th and 6th, at Wildwood Beach Country Club, Highway 41, at the San Joaquin River. Contact: Jamboree, 614 N. Sierra Vista, Fresno, California.

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

The Hall of Fame CB Radio Club will hold Ohio's largest CB Jamboree Picnic, June 13th at Meyers Ocean Lake Park, 12th Street, N.W., Canton, Ohio. Contact: Roiland and Mary Dill, 1410 Vive Ave., S.W., Canton 6, Ohio.

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

11 Meter Monitor CB Radio Club, Inc., of Mechanic Falls, Maine, 2nd Annual Jamboree, May 29th at the Oxford County Fairgrounds, corner of Fair and Paris Sts., Norway-So. Paris, Maine Line. Contact: Elaine Pray, Secretary, 21 Highland Avenue, Mechanic Falls, Maine 04256.

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

CB Festival, May 1st, at the Nicholson Fire Co. Fairgrounds, just off Route 11, Nicholson, Penna., sponsored by the Endless Mountain CB Club. Contact: P.O. Box 162, Waverly, Pa. Monitor channel 9, 21, and 11.

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

The 3rd Annual Interstate CB Radio Jamboree sponsored by the Queen City 5 Watters of Cumberland, Maryland will be held, June 20th. Activities begin at 11:00 a.m. until ????

The Mahoning County CB Club, Inc. will hold its annual picnic, July 11th at the Holy Trinity Pavilion, Struthers, Ohio from 10:00 a.m. There will be continuous entertainment, prizes, children's games, prizes for distance and QSL judging. Contact: Art Lewis, KLN3536, 2934 1/2 Roosevelt Dr., Youngstown, Ohio.

Decoration Day Jamboree, May 29th and 30th, Hayes Park,

Lockport, New York. The event is sponsored by the Western New York Pioneer CB Ass'n. Prizes galore.

The Hiawatha CB'ers of Owego, New York are holding their Annual Rally two big days, June 12th and 13th at Sky-line Park, Owego, New York. Monitor channel 11. Contact: Everet Howe, 35 River Street, Owego, New York.

The Citizens Band Relay League, Inc. will hold a Jamboree, rain or shine, June 20th, at Beachcombers Picnic Grounds in Staten Island, New York. Admission \$1.50. Contact: Harvey Hector, 299 Hendrix St., Brooklyn, New York 11207.

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

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

1965 Field Day Picnic at the Clark County Fairgrounds, May 23rd in Springfield, Ohio. Plenty of door prizes and fun.

Sedalia Citizens Band Radio Club, Inc., 4th Annual Jubilee, June 20th, Agriculture Building at the Missouri State Fairgrounds. Contact: Sedalia CB Radio Club, Att.: Ralph Steinkuhler, 1317 South Harrison, Sedalia, Missouri.

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

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

The 3rd Annual Inter-State CB Radio Jamboree sponsored by the Queen City 5 Watters of Cumberland will be held June 20th at Constitution Park Pavilion, Cumberland, Maryland. Contact: R. W. Long, 711 N. Mechanic Street, Cumberland, Maryland. (Ed. note: S9 will attend.)

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

First Annual National CB Southwestern Jamboree, August

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

The CB Radio Club of Decatur, Alabama is planning a Jamboree, June 12th and 13th at Malone Park in Decatur. Contact: The CB Radio Club, P.O. Box 2084, Decatur, Alabama.

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

June 13th, the Manchester Radio Aid CB Club of Manchester, New Hampshire will sponsor a CB Carnival. Special menu—New England style—Site: MRA—CB Carnival, Bodwell Road, Manchester, N. H. Plenty of action, so go where the action is. Contact: MRA, 335 Lake Ave., Manchester, N. H.

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

Jam-Com-Inc. in Silvis, Illinois in association with the Iowa-Illinois CB Club announces June 19th and 20th for the Midwest Jamboree, at the Rock Island County Fairgrounds, Route 2, East Moline, Ill.

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

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

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

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

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

East Coast CB Jamboree, Sunday, June 6th at the Parkway Beach Club, Route 202, Mt. Ivy, New York. 5th year sponsored by the Citizens Radio Ass'n of Rockland, Inc., (CRA). Monitor channel 11, for directions. Contact: CRA, P.O. Box 295, Nanuet, New York.

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

The Coastal Carolina Radio Club will hold its 2nd Annual Jamboree, July 17th and 18th at North Charleston, South Carolina.

The Tri-States Citizens Band Radio Club will hold their Jamboree, June 26th and 27th at the Houston County Farm Center in Dothan, Ala. Contact: Tri-States CB Radio Club, Dothan, Alabama.

Second Annual Air Capital CB Jamboree, will be held in Wichita, Kansas, August 28th and 29th in conjunction with the First Annual NCBCB (National Coffee Breakers Coffee Break) and the Thirty First Annual National Semi-Pro Baseball Tournament. Contact: Pete Nosler or Jamboree, Box 441, Wichita, Kansas.

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

June 12th and 13th, five clubs in the Dallas, Texas area are sponsoring a Texas Size CB Fair at the Fair Park in Dallas, Texas. Contact: Texas CB Fair, 3500 Emerald, Mesquite, Texas.

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

Continued on page 68

Choose from 3 short fiberglass whips.

**CB 48 SHOUTER,
CB 42 ESS-NINE,
CB 41 E-Z OUT,**

**and MOUNT WITHOUT NEW HOLES
in your car with our M 31 MOUNT.**

**SAVE \$\$'s—our shock absorbing fiber-
glass OBSOLETE SPRINGS.**



**Our upcoming 15,000 sq. ft. plant on
our 6-acre antenna farm.**

Francis Industries, Pataskala, Ohio

BUY AT WHOLESALE!

For a limited time we can offer you the following CB items at wholesale prices:

1. Our special transistorized vibrator unit—simply plugs into any mobile rig. No tools. Specify pos. or neg. ground. **\$5.95!**

WITH THIS AD ONLY \$4.95!!!

2. Coaxial feed-thru capacitors for cutting down the noise in your mobile rig. .5 at 50 VDC.

now only \$1.95

ELECTRA, Inc.

Box 464, Somerville, N. J.



23'er



the perfect mobile unit...

The 23'er is the perfect mobile unit for POSITIVE CONTACT Citizens Band communication ● SMALL SIZE – it fits anywhere even in the compacts ● ALL TRANSISTOR – the least possible drain on the battery ● SS NOISE SILENCER – makes solid copy of weak signals under impulse noise conditions that make other sets virtually helpless (no elaborate suppression gadgets are required) ● FRONT FACING 3 x 5 SPEAKER – lots of clean audio directed right at your ear instead of into the rug ● SIMPLE TO OPERATE – only three control knobs ● SMOOTH SQUELCH – set it and eliminate the distracting background ● ALL 23 CHANNELS – Complete unit to unit and station to station channel capability. The 23'er is the choice for car, trucks, boats. The AC power supply accessory makes it perfect for base station too.

FEATURES

- Full 23 channel coverage – crystal controlled, all crystals furnished ● Completely solid state – 25 silicon transistors, 6 diodes, 1 Zener ● Exclusive Squires-Sanders impulse (ignition) Noise Silencer ● Ultra sensitive receiver ● Crystal band pass filter for exceptional selectivity ● Big 3 x 5 front facing speaker – with provision for external speaker ● Clean, clear audio, 4 watts max. ● "High talk power" transmitter with SS Speech Booster ● Transmitter-On Indicator ● Provision for instant conversion to Public Address service ● Power 12V DC-Negative Ground – Separate 115 VAC Power Supply ● Compact 8" x 3½" x 7" - light weight - 4 lbs. ● Mobile mounting bracket and ceramic cartridge microphone included. ● FULL 5 WATTS INPUT TO TRANSMITTER \$235.00, AC Power Supply \$24.50



Write for information today

Squires-Sanders, Inc.

Martinsville Road, Millington, New Jersey 07946



Manufacturers of
HF Amateur Equipment and *Clegg* VHF Amateur Equipment

CARD SWAPPERS UNLIMITED

Swappers Awards are given to those readers who have sufficiently proven that they have reached certain specified levels of achievement in QSL card swapping. There are 19 different and distinctive Swappers Awards, and if you would like a complete set of rules, address your request together with a stamped, self-addressed envelope, to: Swappers Awards, S9 Magazine, 14 Vanderverter Ave., Port Washington, N. Y. 11050. Here are the winners of the black, red and gold certificates for the past month.

- SACA 224 Fred Kimbro, Jr., KEH1105, Muskogee, Okla.
225 Larry Maiden, KKK0717, Raleigh, N.C.
226 Henry Sowa, IQ4271, Holyoke, Mass.
227 Eugene Elhard, KLF1888, Bismark, N.C.
228 Ronald Fulp, KHD1385, Greenwood, Ind.
229 B. Buffington, KID8628, Crayville, N.Y.
230 Chuck Sylvester, KLK5617, Chicago, Ill.
231 Tim Hamilton, KHJ9961, Wooster, Ohio
- PX-25 449 Jay Devries, KLP9030, Rochester, N.Y.
450 Mark Byrum, KLM2481, Steubenville, Ohio
451 Jack Barbour, KKK2366, Hampton, Va.
452 Skye Wittig, Monistee, Mich.
453 Ronald Fulp, KHD1385, Greenwood, Ind.
454 George T. Ballod, Jr., KKN2392, Memphis, Tenn.
455 Robert Crigger, KCF2446, Baltimore, Md.
456 Lad Nogurney, KLQ1059, Scranton, Pa.
457 Paul Miller, KLP3111, Canton, N.Y.
458 Jeff Gordon, WPE2NLP, Bronx, N.Y.
459 George Wiles, KKB4015, Williamstown, Mass.
460 William Hughes, Mebane, N.C.
461 Wm. Bergman, KKD9486, Bellerose, New York
- PX-50 382 Randy Hittle, KHJ8203, Defiance, Ohio
383 Beulah Cassell, KHI6760, Clendenin, W. Va.
384 Donald Schmitt, KKG3229, Gettysburg, Pa.
385 Alan L. French, KKA8764, Lynn, Mass.
386 Robert Haught, KKB2813, New Britain, Conn.
387 Jim Thompson, KKD7623, Morristown, N.J.
388 Ronald Fulp, KHD1385, Greenwood, Ind.
389 George T. Ballod, Jr., KKN2392, Memphis, Tenn.
390 John Walmsley, KKA1204, Manchaug, Mass.
391 Edward J. Kostin, KNJ0329, Walkerton, Indiana
392 George Wiles, KKB4015, Williamstown, Mass.
393 William Hughes, Mebane, N.C.
394 Wm. Bergman, KKD9486, Bellerose, New York
395 Charles & Martha Sisler, KNM2322, Mingo Jct., Ohio
- PX-75 294 Donald Schmitt, KKG3229, Gettysburg, Pa.
295 Henry Sowa, IQ4271, Holyoke, Mass.
296 Milton Seibert, KHB2112, Mt. Carmel, Ill.
297 E. Litke, KKD2992, Beacon, N.Y.
298 Terry Wright, KIM6265, Piqua, Ohio
299 George T. Ballod, Jr., KKN2392, Memphis, Tenn.
300 Gerry Schechter, KBG7387, Bronx, New York
301 George Wiles, KKB4015, Williamstown, Mass.
302 Julian McCalla, KJC0223, APO Seattle
303 Steven Scherer, KLK3190, Fowler, Indiana
304 Robert Haught, KKB2813, New Britain, Conn.
- PX-100 268 Dick Fuhrman, KBH1789, Dubuque, Iowa
269 Donn Stoneburg, KG17912, Omaha, Nebraska
270 Ruth Charon, KBC0533, Holyoke, Mass.
271 Henry Sowa, IQ4271, Holyoke, Mass.
- 272 Roy Gould, KLM3971, Kalamazoo, Mich.
273 Vincent Cavicchi, KKD7623, Morristown, N.J.
274 Gerry Schechter, KBG7387, Bronx, N.Y.
275 Marje Engel, KLK5976, Berwyn, Ill.
276 William Hughes, Mebane, N.C.
277 George Sherman, KBC4768, Rutland, Vt.
278 Julian C. McCalla, KJC0223, APO Seattle
279 Robert Vance, KLN4913, Cleveland, Ohio
- PX-125 200 Dick Fuhrman, KBH1789, Dubuque, Iowa
201 Ruth Charon, KBC0533, Holyoke, Mass.
202 Chuck Sylvester, KLK5617, Chicago, Ill.
203 George Miller, KBG6190, No. Plainfield, N.J.
204 George Sherman, KBC4768, Rutland, Vt.
- PX-150 166 Bill Stroud, KJH1090, Corning, N.Y.
167 Fred Kimbro, Jr., KEH1105, Muskogee, Okla.
168 Ruth Charon, KBC0533, Holyoke, Mass.
169 Chuck Sylvester, KLK5617, Chicago, Ill.
170 William Hughes, Mebane, N.C.
171 M. Leonhardt, KHJ9558, Cincinnati, Ohio
- PX-175 137 George Hunt, KBJ1722, Middletown, N.Y.
138 M. Leonhardt, KHJ9558, Cincinnati, Ohio
139 Byron Orge, XM23597, Alberta, Canada
- PX-200 123 Larry Maiden, KKK0717, Raleigh, N.C.
122 Ralph Sorenson, KGE2638, Bay City, Wisc.
124 John Dillard, KDB3123, Monterey, Tenn.
- PX-225 112 Ralph Sorenson, KGE2638, Bay City, Wisc.
113 John Dillard, KDB3123, Monterey, Tenn.
114 Ed. Becker, Alexandria, Va.
- PX-250 167 Ralph Sorenson, KGE2638, Bay City, Wisc.
168 John Dillard, KDB3123, Monterey, Tenn.
169 Ed Becker, Alexandria, Va.
- PX-275 102 Ralph Sorenson, KGE2638, Bay City, Wisc.
103 Lee Willick, KCJ3880, Raleigh, N.C.
104 James Cross, KCF0823, Hagerstown, Md.
105 Walt Wise, KFA4659, Anaheim, Calif.
- PX-300 102 Lee Willick, KCJ3880, Raleigh, N.C.
103 Walt Wise, KFA4659, Anaheim, Calif.
- PX-325 101 Stanley Penc, KJ13337, Uicoa, N.Y.
102 Walt Wise, KFA4659, Anaheim, Calif.
- PX-350 101 Walt Wise, KFA4659, Anaheim, Calif.
- MSA 164 George Hunt, KBJ1722, Middletown, N.Y.
165 Fred Kimbro, Jr., KEH1105, Muskogee, Okla.
166 Ronald Fulp, KHD1385, Greenwood, Ind.
167 B. Buffington, KID8628, Crayville, N.Y.
168 J. P. Wasson, KEE2031, Freeport, Texas
169 Chuck Sylvester, KLK5617, Chicago, Ill.
170 Larry Maiden, KKK0717, Raleigh, N.C.
- SSC-1 183 Fred Kimbro, Jr., KEH1105, Muskogee, Okla.
184 Tim Hamilton, KHJ9961, Wooster, Ohio
- SSC-2 145 Fred Kimbro, Jr., KEH1105, Muskogee, Okla.
146 Chuck Sylvester, KLK5617, Chicago, Ill.
147 M. Leonhardt, KHJ9558, Cincinnati, Ohio
148 Byron Orge, XM23597, Alberta, Canada
149 Larry Maiden, KKK0717, Raleigh, N.C.
- SSC-3 122 Bill Scamelli, KFC2921, Vallejo, Calif.
123 M. Leonhardt, KHJ9558, Cincinnati, Ohio

SSC-4 116 Harold Handley, KHA0733, Lockport, Ill.
117 Ed Becker, Alexandria, Va.

SSC-5 110 J. P. Wasson, KEE2031, Freeport, Texas
111 Ed Becker, Alexandria, Va.

SSC-7 109 Wayne Shumway, KHA5298, Chicago, Ill.

SSC-8 109 Wayne Shumway, KHB2239, Chicago, Ill.

SSC-9 107 Wayne Shumway, KHB2239, Chicago, Ill.

SSC-10 107 Walt Wise, KFA4659, Anaheim, Calif.
108 Wayne Shumway, KHB2239, Chicago, Ill.

SSC-11 103 John Dillard, KDB3123, Monterey, Tenn.
104 James Cross, KDF0823, Hagerstown, Md.

SSC-12 103 John Dillard, KDB3123, Monterey, Tenn.

SSC-13 103 John Dillard, KDB3123, Monterey, Tenn.

SSC-14 103 John Dillard, KDB3123, Monterey, Tenn.

SSC-15 103 John Dillard, KDB3123, Monterey, Tenn.

SSC-16 103 John Dillard, KDB3123, Monterey, Tenn.

SSC-17 103 John Dillard, KDB3123, Monterey, Tenn.

SSC-18 102 John Dillard, KDB3123, Monterey, Tenn.

SSC-19 101 John Dillard, KDB3123, Monterey, Tenn.

SSC-20 101 John Dillard, KDB3123, Monterey, Tenn.

19Q8152 John Kasten, 5916 Westbrooke Dr., Brookpark, Ohio
19Q9470 Adrian Fallert, 121 N. "C" St., Hamilton, Ohio
19W7489 Dick Holman, 1917 Murdoch Ave., Parkersburg, W. Va.
20Q1360 Ivan Smith, 419 Water St., Danville, Pa.
KAG2486 Dave Buda, 717 Centre Street, Nuddy, N.J.
KAG2607 Ernest Sawyer, P.O. Box 146, Marshall, N.C.
KAK1840 Francis Penotte, 63 Eastholm Ave., Akron, Ohio
KAR0738 The Card Swapper, P.O. Box 411, Westfield, Mass.
KBA0231 Charlie Adams, 691 Marlboro St., Keene, N.H.
KBA2894 Charlie Ambush, 31 Pleasant St., Cambridge, Mass.
KBA5049 Robert Morin, P.O. Box 91, Dracut, Mass.
KBA5557 Ted Cummings, Bellflower Road, Billerica, Mass.
KBA6883 Andy LaMarche, 8 Perrotto Ave., Claremont, N.H.
KBA8595 Lee Aspinall, 20 Forest Ave., North Haven, Conn.
KBA9919 Al Trask, RFD 2, Laconia, Gilford, N.H.
KBC0734 Steven Feyman, 79 Banks Rd., Swampscott, Mass.
KBC6510 Ralph Bryant, 716 Riverside Drive, Fairfield, Conn.
KBC6692 Mert Swett, RFD 1 Raymond Hill Rd., Uncasville, Conn.
KBC6819 Robert Giustina, 68 Dunmoreland St., Springfield, Mass.
KBC8093 Dennis Cicale, 17 Water St., Stonington, Conn.
KBC8494 Ray Blanchard, 4 Chelsea St., Worcester, Mass.
KBC9193 John Weigel, 119 Shaw Street, New London, Conn.
KBD0423 Ernest Ford, 28 Bowdoin St., Providence, R.I.
KBD0585 Paul Roy, 225 Elm St., Southbridge, Mass.
KBD0747 Herb Girard, 348 Carrington Ave., Woonsocket, R.I.
KBD0784 Jack Suplicki, 2 Willey Pl., Norwich, Conn.
KBD1300 Ray Grele, 9 Argyle Circle, Seymour, Conn.
KBD2925 Ronnie Sauiol, 62 Circuit Ave. N., Worcester, Mass.
KBG1595 Gary Weber, 133 Branton St., Brooklyn, N.Y.
KBG4667 John Krueger, 23 Standpipe Road, Freehold, N.J.
KBG6576 Charles Arnwine, 725 South Broad St., Trenton, N.J.
KBG7180 Pat Purcell, 99 Harvard Dr., Hartsdale, N.Y.
KBG7387 Gerry Schechter, 3535 Kings College Pl., Bronx, N.Y.
KBG7687 Robert Thatcher, R.R. 1-Box 59B2, Hudson, N.Y.
KBG8079 Alvin Allen, 610 Prospect Ave., Spring Lake Heights, N.J.
KBG8153 Betty Krueger, 23 Standpipe Road, Freehold, N.J.
KBH1426 Fred Stearman, R.R. #1 - Box 16, Erie, Ill.
KBH1571 Morrie Goldman, 8046 South Euclid Ave., Chicago, Ill.
KBH1578 Dick Hill, 399 Maplewood Dr., Antioch, Ill.
KBI0275 Hank Mancura, 164 Meadow Lane, Levittown, L.I., N.Y.
KBI0854 George Raybin, 1367 Sheridan Ave., Bronx, N.Y.
KBI1349 Jack Hopp, 240-19 144 Avenue, Rosedale, N.Y.
KBI2123 Richard Rios, 2897 Ardsley Rd., Wantagh, L.I., N.Y.
KBI2251 Mona French, 19 Essex Lane, Old Bridge, N.J.
KBI3455 John James, 299 1/2 Lark St., Albany, N.Y.
KBI3792 Alan Geidosch, 1314 Bright St., Hillside, N.J.
KBI5592 George Gross, Waring Road M.D. No. 15, Newburgh, N.Y.
KBI6325 Richard Kamper, 2 Lenox Ave., Congers, N.Y.
KBI6373 Charles Bennett, 89 Valley Road, Haworth, N.J.
KBI6480 Art Scheid, 2 Essex Place, Hartsdale, N.Y.
KBI8077 John Krejc, 60 Division Ave., Garfield, N.J.
KBI8797 Jo-Jo Tybush, 20 South St., Albany, N.Y.
KBJ0326 Joan Tybush, 20 South St., Albany, N.Y.
KBJ1722 George Hunt, 353 Highland Ave., Middletown, N.Y.
KBJ2055 Harmon Heller, 610 East 20th St., New York, N.Y.
KCA0102 Frank Askinazy, 1034 Ralph Ave., Brooklyn, N.Y.
KCA0312 Tony Formichelli, 46 Glenwood Blvd., Hudson, N.Y.
KCA0396 Tex Trubadot, 176 Clarkson Ave., Brooklyn, N.Y.
KCC1541 Donald Berle, 289 California Rd., Quakertown, Pa.
KCC2969 Bob Stouch, R.D. 1, Box 120, East Stroudsburg, Pa.
KCC3957 Lee Headley, 309 St. Louis Ave., Pt. Pleasant Beach, N.J.
KCD0117 Albert Friedrich, 421 East 24th Ave., N. Wildwood, N.J.
KCD1896 Howard Taylor, South DuPont Road, Penns Grove, N.J.
KCD3398 May Miller, R.D. 2, Kempton, Pa.
KCD4022 Hiram Wickward, 802 York Ave., North Wildwood, N.J.
KCD4352 Marge Headley, 309 St. Louis Ave., Pt. Pleasant Beach, N.J.
KCD4540 Mike McClatchy, Bowker Road, Medford Pines, N.J.
KCD4579 Delores Lefever, R.D. 2, Box 28, Dover, Penna.
KCD5154 Earl Rogers, 224 Tuscany Rd., Maple Gardens, Chester, Pa.
KCD5178 Bernie Thomas, R.D. 3, East Stroudsburg, Pa.
KCD5222 William Wright, R.D. 1, Green Lane, Penna.
KCD5385 William Wright Jr., R.D. 1, Green Lane, Penna.
KCD5491 Bernie & Phyllis, 1509 Pondridge Rd., Wilm., Del.
KCD6125 Neil O'Connell, 22 Cassatt Ave., Berwyn, Penna.
KCF0692 David Clowser, Plainfield Dr. Rt. 3, Winchester, Va.
KCF0823 Jim Cross, 755 S. Potomac St., Hagerstown, Md.
KCF1224 Harold Channell, P.O. Box 4124, Alexandria, Va.
KCF2446 Bob Crigger, 411 S. Mount St., Baltimore, Md.
KCG0706 Eddie Becker, 5606 Franconia Rd., Alexandria, Va.
KCG1087 Barney Ross, 425 Garden St., Washington, D.C.
KCG1648 J.W. Smith, R.R. 2, Jane Lew, W. Va.
KCG1835 Edsel Peacemaker, Route 2, Winchester, Va.

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

Here are this month's swappers:

1Q0044 Jerry Bogan, 218 Academy St., Laconia, N.H.
1Q4271 Henry Sowa, P.O. Box 571, Holyoke, Mass.
1W6216 Errol Engraving, 36 Hampden St., Westfield, Mass.
2Q0152 Karl Weiss Jr., 245 Ashmore Ave., Trenton, N.J.
2Q1147 George Delaney, 308-47th St., Union City, N.J.
2Q1911 William Plog, 11 Gould Rd., Centereach, L.I., N.Y.
3Q1618 Everett Lindsey Jr., R.D. #1, Mount Holly, N.J.
4B5372 Jim Cross, 755 South Potomac St., Hagerstown, Md.
4Q0632 Ralph Dull, Greenmont, Maryland
6Q0054 Glenn Poore, 1316 Hixson Pike, Chattanooga, Tenn.
6W7263 Bill Orton, 905 Altamaha St., Chattanooga, Tenn.
6W7515 Terrrell Craven, Route 1, Box 32, Royston, Ga.
8Q1009 Sid Coryell, 4502 W. 29th St., Little Rock, Ark.
11Q1313 George Strainline, 1171 W. Miracle Mile, Tucson, Ariz.
11Q2714 Eileen Inns, 530 Catalina Dr., Newport Beach, Calif.
11W8551 Bob Blakeley, 3064 Royce Lane, Costa Mesa, Calif.
11W9751 George Strainline, 1171 W. Miracle Mile, Tucson, Ariz.
12Q1341 Dave Jensen, 815 "B" St., Yuba City, Calif.
12Q2545 Jim Bull, 7423 Rolling Wood Blvd., Citrus Heights, Calif.
17W5449 Henry Hawkins, Rural Route 1-Box 86, Fair Grove, Mo.
18B2648 Glenn Davis, 6143 North Rockwell St., Chicago, Ill.
18Q3779 L.A. Morrow, 2210 N. Gayman Ave., Davenport, Iowa
18Q4913 Tom Leadbetter, R.R. 4 - Box 40, Muncie, Ind.
18Q8866 Richard Cary, Route 4 - Box 176, Russell Springs, Ky.
19A5551 Steve Yankee, 357 1st St., Manistee, Mich.
19A5964 Stan Sickler, 2310 Commor. Hamtramck, Mich.
19Q0707 Jim White, Box 108, Syracuse, Ohio
19Q4842 James Humburg, P.O. Box 647, Benton Harbor, Mich.

Write to our advertisers for special product news

June 1965 • 59

KCG2419 Park Bedford, 4903 Asbury Lane, Bethesda, Md.
KCG3068 Ricky Lowman, 1001 W. Addition St., Martinsburg, W. Va.
KCG3236 Bob Gallery, 5013 Westport Rd., Chevy Chase, Md.
KCG3569 Charles Berry Jr., Nornre Rd. Rt. 3, Sallsbury, Md.
KCG3689 Edward Ross, 1967th Comm. Sqdn. APO San Francisco, Calif.
KCG4106 Dave Royer, Route 1, Box 133, Finksburg, Md.
KCI1656 Allen St. Clair, 2847 Cannady Rd., Roanoke, Va.
KCI2842 Clarence Moore, Route 4, Box 34, Thomasville, N.C.
KCI5991 Hillery Twine, 2815 Norfolk Rd., Suffolk, Va.
KCJ0869 Jim Nix, 2621 Plum St., Charlotte, N.C.
KCJ2292 Hazel Stubbs, P.O. Box 1076, Rockingham, N.C.
KCJ2621 Sam Moser, Rt. 7, Box 154, Nylon Dr., Winston Salem, N.C.
KCJ2780 R. K. Harris, 513 McDonald Ave., Charlotte, N.C.
KCJ3076 Jim Hilton, 3806A Roads View Ave., Hampton, Va.
KCJ3880 Lee Willick, 3709 Hester Circle, Raleigh, N.C.
KCJ4079 Jack Kirby, 3601 North Ave., Richmond, Va.
KCJ4187 Joel Smyre, 747 S. Brady Ave., Newton, N.C.
KCJ4911 Jearl Bishop, 1801 Chatham Ave., Charlotte, N.C.
KCJ5002 J. L. Kirkland, Route 7, Raleigh, N.C.
KCJ5092 Doug Paynter, 1001 East Jefferson St., Charlottesville, Va.
KCJ5244 Joe Tuttle, Route 1, Rural Hall, N.C.
KCJ5269 Lawrence Paysour, Box 591, Dallas, N.C.
KCJ6180 Buddy Williamson, 604 Gillespie St., Greensboro, N.C.
KCJ6682 Ken Booth, Concord, Va.
KCJ6987 Tommy Pollok, Gladys, Virginia
KCJ8021 E. B. Baker, Box 2660, Va. Tech Sta. A, Blacksburg, Va.
KCJ8638 Roger Duncan, 610 Church St., Spray, N.C.
KCJ8782 Wilma Nix, 2621 Plum St., Charlotte, N.C.
KCJ9372 Gene Andrews, Route 5, Box 204, Glen Allen, Va.
KCJ9742 J. A. Gupton Sr., 3242 Selwyn Ave., Charlotte, N.C.
KDB7921 Jack Calvert, 278 Moreland Way, Hapeville, Ga.
KDB9372 Claude Hooper, RFD 3, Box 130, Sylva, N.C.
KDC0930 Jerry Pater, 1195 Dale Road, Hamilton, Ohio
KDC0614 Clarence Hnanicek, 10809 Prince Ave., Cleveland, Ohio
KDC0843 Raymond Sheely, Box 95, Petersburg, Ohio
KDC1255 Ben Hefner, 1804 Lennox Ave., Lima, Ohio
KDC1358 W. L. McKeever, 408 Lynn Ave., Lakeside, Ohio
KDC1371 Fred Matyas, 1220 S. River Ave., Toronto, Ohio
KDD2134 Michael Ashby, 316 S. Franklin St., Tullahoma, Tenn.
KDD7921 Charles Lee, 1455 13th Ave. East, Tuscaloosa, Ala.
KDD8403 Lloyd Coop, 506 E. General St., Tullahoma, Tenn.
KDD9708 Stuart Cash, 1109 Mississippi Ave., Chattanooga, Tenn.
KDE0565 Rodney Yew, P.O. Box 2953, Asheville, N.C.
KDE1277 George Geriner, 4087 Leweir St., Memphis, Tenn.
KDE2266 Richard Bolding, 805 W. Crawford St., Dalton, Ga.
KDE2420 Berry McDaniel, 703 Ponce deLeon, Montgomery, Ala.
KDE4328 Gene Knight, P.O. Box 331, Haleyville, Ala.
KDI3211 Donna Wiley, 1601 Cimarron Trail, Wichita Falls, Texas
KDJ0332 Nick Miller, Box 3006, St. Petersburg, Florida
KEB1659 Ed Field, P.O. Box 481, Gautier, Miss.
KEB1661 Bob Fancher, Darling, Miss.
KEB4002 Al Mayer, 306 West 8th, North Little Rock, Ark.
KEB4614 Carlos Bailey, Route 6, Box 400, Pine Bluff, Ark.
KEE0939 Joe Navratil, 801 S. Washington, Bryan, Texas
KEE2099 Bill Hills, 181 Linda Circle, Ocean Springs, Miss.
KEE3243 Jesse Meadows, 7307 Adelbert St., Houston, Texas
KEH1105 Fred Kimbro Jr., 213 N. Edmond, Muskogee, Okla.
KEH4157 Bill Shoemaker, Route 1, Box 144, Skiatook, Okla.
KEH5846 Kenneth Bales, Box 295, Guymon, Okla.
KEH7088 Don Lesly, 2718 Beech St., Abilene, Texas
KEH7235 John Glover, 2428 Hugo St., Dallas, Texas
KEJ0071 Melvin Nutting, 932 Western Ave., Colton, Calif.
KEJ1341 E. H. Rogers, 24950 E. 6th St., San Bernardino, Calif.
KEJ5828 John Hamner, 12350 So. Fern Ave., Ontario, Calif.
KEJ5869 Johnnie France, Box 4146, Riverside, Calif.
KFA0654 Gary Enderle, 6219 N. Sultana, Temple City, Calif.
KFA1739 Eddie Davis, 1609 W. 10th St., Santa Ana, Calif.
KFA2338 Frank Whetzel, 916 Larker Ave., Los Angeles, Calif.
KFA3071 Dennis Van Hook, 391 Freear Drive, Buellton, Calif.
KFA4077 Smitty Smith, 11142 Penn St., Lynnwood, Calif.
KFA4167 Mike Daugherty, 2736 E. Fairmount, Phoenix, Ariz.
KFA4659 Walt Wise, 613 No. Glenwood Place, Anaheim, Calif.
KFA9144 Thomas Couch, 9422 Blackley St., Temple City, Calif.
KFA9923 Helen Morse, P.O. Box 1395, Ontario, Calif.
KFB0396 Ron Federico, 815 No. Palisade Dr., Santa Maria, Calif.
KFB0686 Dick Veren, Box 403, Midway City, Calif.
KFC3866 Rex Mathews, 407 Potomac Ave., Sacramento, Calif.
KFD1525 Chuck Watrous, 421 W. 12th St., Tracy, Calif.
KFD2055 Chuck Boehnke, P.O. Box 223, Los Gatos, Calif.
KFD2822 Leon Bagdad, 844 W. Dayton, Fresno, Calif.
KFD3353 Jane Gomes, 195 West 12th St., Pittsburg, Calif.
KFD3924 Steve Seteroff, 380 "B" St., Hayward, Calif.
KFD4230 Neil Sweetland, 2505 Arthur, Fresno, Calif.
KFD4351 Steve Kurf, 1755 29th Ave., San Francisco, Calif.
KFD4870 Bud Fischer, 1525 Blackstone, Fresno, Calif.
KFD4886 Wayne Heimsoth, 26355 Esperanza Dr., Los Altos Hills, Calif.
KFD5111 Larry Kluender, P.O. Box 183, Orville, Calif.
KFD5994 Howard Daub, 3335 Moon Ave., Stockton, Calif.
KFD6256 Sparky Pinola, 3335 Mabel St., Sacramento, Calif.
KFF1315 Martin Pshigoda, Box 272, Wasco, Oregon
KFI1219 Jack Sudduth, 8103 16th S.W., Seattle, Wash.
KFJ0479 Agnes Sudduth, 8103 16th S.W., Seattle, Wash.
KGC2576 Gene Gdsose, 1406 Onelda St., Denver, Colo.
KGF1675 Earl Wertz, 79 Kincheloe St., Kincheloe, AFB, Mich.
KGG0131 Chuck Feldt, 8449 Blaisdell Ave., Minneapolis, Minn.
KGH2584 Joseph Rose, 1009 Figg, Wichita, Kansas
KGI1977 Greg Malmstrom, 3228 Sixth Ave., Sioux City, Iowa
KGI6082 W. F. Wilson, 900 South Madison, Plainville, Kansas
KGI6100 Robert Schminck, 357 No. Waco, Wichita, Kansas
KGI6979 Don Marshall, 301 Circle Drive, Carrollton, Mo.
KGI7618 Dick Mollentine, 19 Edgemere Court, Olathe, Kansas
KGI7912 Donn Stoneburg, Box 221 Ames Ave., Omaha, Nebr.
KGI8201 Robert Foster, 2936 Balmittmore, Kansas City, Mo.
KGI8733 Donald Griffin, 6840 Winchester Ave., Kansas City, Mo.
KGI8903 Ralph Williams, 3420 Nickell Dr., St. Joseph, Mo.
KG19136 Don Sorrels, 8317 Horst Dr., St. Louis, Mo.
KG19206 Bud Ward, 968 Lindeman Des Peres, Mo.
KHA0733 Harold Handley, 13800 W. 145th Place, Lockport, Ill.
KHA3503 Ove LaPlante, 2978 N. Teutonia Ave., Milwaukee, Wis.
KHA5150 Virg Mansfield, 600 West 7th, Muncie, Ind.
KHA5591 Jim Wilson, R. 1, Box 117, Round Lake, Ill.
KHA7523 Kay Kagel, P.O. Box 3504, South Bend, Ind.
KHA7883 Jim Phillips, 4 Alleyne Dr., Muscatine, Iowa
KHA8276 Gordon Velpel, 801 S. Franklin St., Garrett, Ind.
KHB1210 Larry Rost, R. R. 2, Muscatine, Iowa
KHB1535 Bob Kagel, P.O. Box 3504, South Bend, Ind.
KHB5356 John Ernstberger, 3516 S. Hermitage Ave., Chicago, Ill.
KHB3971 John Parkhurst, 1000 West 11th St., Muncie, Ind.
KHB4794 Larry Sadoff, 1409 Clinton St., Round Lake, Ill.
KFC0280 Dick Dill, 505 W. Cherry, McLeansboro, Ill.
KHC4185 Lou Chappell, 3644 E. Minnie St., Decatur, Ill.
KHC4377 Dave Price, 2026 Schuyler Ave., Lafayette, Ind.
KHC4968 Roger Gilday, Rt. 1, Box 512, Grass Lake Rd., Antioch, Ill.
KHC5348 Barry Fehlberg, 1801 Summit Ave., Racine, Wisc.
KHC8111 Dick Edwards, 411 Fairlawn Dr., Round Lake Park, Ill.
KHC8347 Jim Taylor, Rosine, Kentucky
KHC9000 Bob Curths, P.O. Box 5, Vermont, Ill.
KHC9439 Jim Bazata, 89 Center St., Ingleside, Ill.
KHD1806 Capt. Seaweed, 8874 So. Main, Homerton, Ill.
KHD2772 Irene Webber, Spring Grove, Ill.
KHD4705 George Newberry, 1027 W. Douglas St., Freeport, Ill.
KHD5345 John Neyer, 1111 W. Grace St., Chicago, Ill.
KHD5367 Harley Dell, 414 Augusta St., Janesville, Wisc.
KHD5777 Jim Carey, R.R. #1; Sylvan Lake, Rome City, Ind.
KHD6168 Leo Hazen, 1224 - 14th St., Rock Island, Ill.
KHD8505 Lucile Webber, Box 421-A-1, Spring Grove, Ill.
KHD9210 Judy Beard, Bristol, Wisc.
KHD9379 David Jacobs, 5048 Laurel Dr., Indianapolis, Ind.
KHD9847 Lionel Curths, P.O. Box 5, Vermont, Ill.
KHE0875 Weldon Jones, Box 26, 504 W. Kirkwood St., Bloomington, Ind.
KHE0968 Mick Newton, 634 Madison Ave., Evansville, Ind.
KHG1923 Bob Gillespie, 31805 Denmore Rd., Willowick, Ohio
KHG3450 Ernie Ruben, 1757 Nightlight Dr., Akron, Ohio
KHG4945 C. M. Cooley, 1006 Hooven Ave., Hamilton, Ohio
KHG6176 Herman Werfele, 3121 Jacob St., Wheeling, W. Va.
KHG6303 Walter Dodds, 4216 W. 22 St., Cleveland, Ohio
KHG9069 Herb Riggle, Route 5, Zaniesville, Ohio
KHG9534 Kenny Roberts, 1584 Stewart Road, Lima, Ohio
KHG9621 Wallace Dykes, 2108 Clyde Park S.W., Grand Rapids, Mich.
KHH1363 Geo. Radenheimer, 3121 Andrew St., Middletown, Ohio
KHH2828 Frank Hall Jr., 711 Water St., Baraburville, W. Va.
KHH3134 Flint McCullough, 800 12th St. S.W., Massillon, Ohio
KHII561 Dot Good, R.R. #2, Marshall, Michigan
KHI2786 Mike Steinmetz, 125 N. William, Marine City, Mich.
KHI2916 Larry Bauder, 120 Bradley Rd., Midland, Mich.
KHI2952 Bill Culver, 119 East Brooks, Howell, Mich.
KHI3835 John White, R.R. 1, Middle Point, Ohio
KHI7901 John Statan, 260 W. Locust St., Mt. Sterling, Ky.
KHI8834 Chester Otis, 310 Harrison Ave., Mt. Sterling, Ky.
KHI9979 Gene Taylor, 121 N. Adolph Ave., Akron, Ohio
KHJ1206 Herb & Marty Snyder, 1516 Lockwood Rd., Barberton, Ohio
KHJ1858 Norm Owings, 505 N. Clairmont, Springfield, Ohio
KHJ2314 Grant Hunt, Red Oak Rt., Lewiston, Mich.
KHJ3477 Donald Belitz, 13474 Enid Blvd., Lake Fenton, Mich.

KHJ3482 Robert Albright, R. 3, Alpena, Mich.
 KHJ3914 Ralph Jester, 564 Round Lake Dr., Michigan Center, Mich.
 KHJ4747 Don Senger, 2650 Mandale, Orchard Lake, Mich.
 KHJ5042 Harold Davis, 9575 Shell Beach Rd., Pinckney, Mich.
 KHJ5383 Denver Eckert, R. R. 1, Defiance, Ohio
 KHJ5485 Don Larabell, 14865 Stout, Detroit, Mich.
 KHJ6508 Ralph Husk, 1103 1/2 Olive St., Parkersburg, W. Va.
 KHJ6874 Richard Cady, P.O. Box 193, Winchester, Ky.
 KHJ7033 Max Green, 100 North Main St., North Baltimore, Ohio
 KHJ7270 Bob Wilkinson, 500 Magnolia Ave., Cuyahoga Falls, Ohio
 KHJ7892 Bouts Beaudry, Box 252, Trenton, Mich.
 KHJ8472 Doug Thrasher, 1164 Lindsay Ave., Akron, Ohio
 KHJ9183 Ed. Empies, 133 Spring St., Battle Creek, Mich.
 KHJ9411 Jim Waters, 28 S. Pembroke Ave., So. Zanesville, Ohio
 KHJ9482 Francis Garrett, 1226 Moxahala Ave., Zanesville, Ohio
 KHJ9508 Jim Fosnough, P.O. Box 674, Killeen, Texas
 KHJ9558 Ed Leonhardt, 3518 Smithfield Lane, Cincinnati, Ohio
 KHJ9618 Lou Orgovan, 3302 Cypress Ave., Cleveland, Ohio
 KHJ9961 Tim Hamilton, P.O. Box 572, Wooster, Ohio
 KIA0762 Leroy Butler, 1808 Lennox, Lima, Ohio
 KIC0655 David Aunkst, 504 Todd St., Pittsburgh, Penna.
 KIC1207 Arlene Warner, 2273 Mosser Ave., Williamsport, Pa.
 KIC2881 Mike Ripski, 72 Mooney Rd., Plymouth, Pa.
 KIC5642 Dave Klimeck, 218 Ottawa St., Johnstown, Pa.
 KIC6127 Bud Markland, 104 Court St., Jeannette, Pa.
 KID0007 Fred Martz, Davis-Lane Speedway, Hustontown, Penna.
 KID0182 Jack McFadden, 160 Water St., Fredonia, N.Y.
 KID0186 Kathy Reshetar, 102 1/2 Walnut St., Binghamton, N.Y.
 KID0435 Emerson Stanton, 609 Fern St., Clark's Summit, Pa.
 KID2617 George Thayer, 62 Clinton St., Salamanca, N.Y.
 KID3872 Herman Heuser, 3472 West 11th Ave., Tarentum, Pa.
 KID4563 Pete Gabrielli, 751 Parsells Ave., Rochester, N.Y.
 KID5144 John Fudge, 54 Dexter St., Wilkes-Barre, Pa.
 KID5225 Harry Platt Jr., R.D. 1 - Shaw Rd., Conklin, N.Y.
 KID5293 George Gould, Box 42, Hudson Falls, N.Y.
 KID5869 Robert Kolock, 844 Taylor Rd., Hamburg, N.Y.
 KID5968 John Norman, Box 249, Watkins Glen, N.Y.
 KID6004 The Krystaljammer Kid, Box 241-K, Frankfurt, N.Y.
 KID6004/3 Steve Kogut, Frankfurt, N.Y.
 KID6303 Ted Bluey, 422 S. Fifth St., Jeannette, Pa.
 KID6356 Roscoe Harrington, 5 Schuyler St., Hudson Falls, N.Y.
 KID6623 George Kline, 508 Monroe St., Jamestown, N.Y.
 KID7256 Stan Allen, 752 Grant St., Johnson City, N.Y.
 KID8232 Roy McGregor, R.D. 2, Central Square, N.Y.
 KID9018 Bonnie Oakes, 901 Chestnut St., Roaring Spring, Penna.
 KID9802 Bill Cron, South Ave., Crescent Heights, New Brighton, Pa.
 KIE0628 Al Gully, R.D. 3 - Box 392, Coraopolis, Pa.
 KJC0223 J.C. McCalla, 273-G Dyca Avenue, Fort Richardson, AK.
 KJH0080 Robert Grubbs, RFD #3, Winston-Salem, N.C.
 KJI0459 Larry Ward, 705 Cedar St., Elmira, N.Y.
 KJI0614 Joe Hamilton, R.D. New Millport, Pa.
 KJI0777 John White, 311 Owen Ave., Elmira Heights, N.Y.
 KJI1072 Len Siedinski, 18 Ames Ave., Tonawanda, N.Y.
 KJI1893 Andy Denko, 66 Monroe St., Saratoga Springs, N.Y.
 KJI2342 Fenton's, 125 A-W Lake Road, Penn Yan, N.Y.
 KJI2461 Lawrence Sensheimer, 1946 Phila. Ave., Chambersburg, Pa.
 KJI2748 Bob Gilmore, R.D. 2 Short Cut Rd., Weedsport, N.Y.
 KJI3114 Walter Bourne, 184 Ogden Center Rd., Spencerport, N.Y.
 KJI3461 John Garzel, Box 286, Austen, Penna.
 KKA0488 Cyril Wilson, 6 Collins Terrace, Lynn, Mass.
 KKA0658 Jerry Cote, 105 Old Walpole Rd., Keene, N.H.
 KKA1204 John Walmsley, Main St., Manchaug, Mass.
 KKA1333 Johnny Williams, 60 Coburn St., Lynn, Mass.
 KKA1997 Jim McSwain, RFD 2 Windsor, Vt.
 KKA3088 John Myott, 126 Washington St., Westfield, Mass.
 KKA4210 Dick Clogston, Starks, Maine
 KKA4511 Maynard Gerrish, West Peru, Maine
 KKA5305 George Chase, 175 Kitemang Rd., Uncasville, Conn.
 KKA5323 Mike Goddu, 168 Madison Ave., Holyoke, Mass.
 KKA5683 Sherlock Holmes, King Road, Monson, Mass.
 KKA6698 Shirley Castor, 22 Cottage St., Keene, N.H.
 KKA6868 Bill Hughes, 23 Maplewood Terrace, Pease AFB, N.H.
 KKA6885 William Lafond, Eagle Park Rd., Pascoag, R.I.
 KKA6894 David Goodwin, 68 South Broadway, Lawrence, Mass.
 KKA7269 Phil Newcomb, 59 Center St., Ballardvale, Mass.
 KKA7402 John Flynt Jr., c/o Royal Coach Motel, Weirs Bch., N.H.
 KKA7688 Bill French, 52 Pendexter St., Lynn, Mass.
 KKA7816 Anthony Silva, 9 Holway Ave., Provincetown, Mass.
 KKA7957 Robert Melnuq, Wiscasset, Maine
 KKA7986 Jon Chamblee, Jefferson, Maine
 KKA7994 Jim DeLude, 87 Woodward Ave., Middletown, Conn.
 KKA8101 John Moriarty, 86 Beacon St., Florence, Mass.
 KKA8218 Charlie Judd, 700 Marlboro St., Keene, N.H.
 KKA8456 Joe Cambo, 31 Woodbury Ave., Norwalk, Conn.
 KKA8764 Alan French, 470 Eastern Ave., Lynn, Mass.
 KKA9350 Morris Day, Medway, Maine
 KKA9629 Richard Hickson, 120 Pearl St., Thompsonville, Conn.
 KKA9690 Peter Flynn, 212 Allen St., Springfield, Mass.
 KKA9788 Steve Kaplan, 91 Valentines St., New Bedford, Mass.
 KKA9862 Pat Wallingford, 20 North Marriner St., So. Portland, Me.
 KKA9907 Alfred Rawley, P.O. Box 426, Camden, Maine
 KKA9926 Brian Benkosky, 343 Washington St., Keene, N.H.
 KKB0087 Walter Kealey, 46 Oread St., Worcester, Mass.
 KKB0156 Kevin Gobeille, 15 Wilson St., No. Wilbraham, Mass.
 KKB0170 Mike McClure, 486 Sabatrus St., Lewiston, Maine
 KKB0210 Ginny Weigel, 119 Shaw St., New London, Conn.
 KKB3485 Russell Ferland, 32 Arland Drive, Pawtucket, R.I.
 KKB0384 Kenneth Moravec, 40 Ronald Rd., New Britain, Conn.
 KKB0712 Steve Chmura, 268 Parkers St., Indian Orchard, Mass.
 KKB0748 Tom Pluta, 31 Stony Hill Rd., Indian Orchard, Mass.
 KKB0961 Bruce Carey, 3 Giffin St., Keene, N.H.
 KKB1170 George Hensel, 37 Fairview Ave., Thompsonville, Conn.
 KKB1195 Bud Geray, 183 East Main St., Chicopee Falls, Mass.
 KKB1198 Ben Shafer, 3 Cherry St., Windsor, Vermont
 KKB1522 Jim Milo, 26 Taunton St., Southington, Conn.
 KKB1587 Al LaPointe Jr., 60 Prospect St., New Britain, Conn.
 KKB2242 Peter Corcobilos, 42 Devens St., Indian Orchard, Mass.
 KKB2813 Robert Haught, 12 Sterling St., New Britain, Conn.
 KKB3548 John Monaco, 118 Ledgecrest Ave., New Britain, Conn.
 KKB3586 Ruth Gauthier, 227 Walnut St., Manchester, N.H.
 KKB3740 Donald Cone, Route 1 - Box 54, White River Jct., Vt.
 KKB3757 Harrison Cunningham, 71 Water St., Hallowell, Maine
 KKB3830 Bill Lovejoy, 33 Standish Way, Cape Cod, Mass.
 KKB3852 Gordon Mills, 36 Morin Ave., Danielson, Conn.
 KKB4058 Phil Gomez, Lebanon, N.H.
 KKD0117 Dan Weggeland, 173 Madison Ave., Morristown, N.J.
 KKD0349 Jack Golden, 5025 Broadway, N.Y.C., N.Y.
 KKD0491 Mike Kaplan, 37 Fairview Terrace, Maplewood, N.J.
 KKD1013 Rich Werner, Box 234, Port Ewen, N.Y.
 KKD1177 Christopher Ordal, 5 Shelley Rd., Short Hills, N.J.
 KKD1311 Don Brandt, 1 Farmstead Rd., Short Hills, N.J.
 KKD1699 Lou Gungami, 12 Shelly Ave., Hartsdale, N.Y.
 KKD1915 John Fernicola Jr., 13 Dryden Terr., Short Hills, N.J.
 KKD2495 Jay Dubner, 1072 Ruth Place, North Bellmore, L.I., N.Y.
 KKD2679 Charlie Schmeltz, 9 Middle Road, High Falls, N.Y.
 KKD2992 Edward Litke, 18 East Main St., Beacon, N.Y.
 KKD3296 George Masny, 299 E. 8th St., New York, N.Y.
 KKD3429 Cliff Share, 132 Greenway, Albertson, L.I., N.Y.
 KKD3441 Michael Papienuk, 20-2 Alois Pl., Paterson, N.J.
 KKD4223 Larry Wetchak, 17-20 Well Dr., Fair Lawn, N.J.
 KKD4640 Ronnie Berman, 1033 Anchor Dr., Wantagh, N.Y.
 KKD4804 Gary Simpson, 10-3rd Street, Sayreville, N.J.
 KKD5247 Edward Dart, Bay View Rd., Southold, L.I., N.Y.
 KKD5400 Bill Kuskin, 55 Norwood Rd., Springfield, N.J.
 KKD6219 Bob Reedy, 349 N. Boston Ave., N. Massapequa, N.Y.
 KKD6389 Jean DuBois, RFD #4 - Chestnut Hills, Middletown, N.Y.
 KKD6477 Mitch Pomerantz, 439 Hawthorne Ave., Newark, N.J.
 KKD6953 Peter Mozzone, 382 Morton Hwy., Mineola, L.I., N.Y.
 KKD7398 Vera Leitans, 246 Second St., Albany, N.Y.
 KKD7425 M. Onick, 11 Brewster St., Kingston, N.Y.
 KKD7499 Norman Bernstein, 90 Redwood Ln., Massapequa Pk., N.Y.
 KKD7623 Vinny Cavicchi, Lake Valley Rd., RFD 1, Morristown, N.J.
 KKD7750 Joel Fishman, 1810-80th St., Brooklyn, N.Y.
 KKD7950 Joseph Krzanik, Box 171, New Baltimore, N.Y.
 KKD8372 Mike Mazzone, 438 Livingston Ave., Albany, N.Y.
 KKD8383 Bob Peterson, 61 Crosshill Ave., Yonkers, N.Y.
 KKD8490 Jerry Piacente, 14 Hardy Place, Yonkers, N.Y.
 KKD8569 Tom Fox, 2208 Vanderveer Pl., Brooklyn, N.Y.
 KKD8811 Gino Pezzella, 853 Flatbush Ave., Brooklyn, N.Y.
 KKD8859 Charles McNally, 36 Marble Hill Ave., New York, N.Y.
 KKD9486 Willie Bergman, 248-02 76th Ave., Bellerose, L.I., N.Y.
 KKD9510 Ray Dame, 38 Viet St., Cohoes, N.Y.
 KKD9511 Mitch Zimmer, 1213 East 83rd St., Brooklyn, N.Y.
 KKD9588 Jack Allen, 1835 81st St., Brooklyn, N.Y.
 KKD9850 Lori Kozel, 30 Westminister Rd., Brooklyn, N.Y.
 KKE0438 Manny Fleischer, 510 Ocean Parkway, Brooklyn, N.Y.
 KKE0449 Al Farber, 2554 E. 29th St., Brooklyn, N.Y.
 KKE0663 Brian Zeky, Box 131, Crarryville, N.Y.
 KKG0046 Ira Pital, 17 North State St., Vineland, N.J.
 KKG0335 Larry Love, East Landis Ave., Vineland, N.J.
 KKG0371 Ken Yost, Sunset Lake Rd., Newark, R.D.1, Del.
 KKG0930 Lew Keen, South Chestnut St., Elverson, Pa.
 KKG0960 Robert Ream, 608 High St., Lancaster, Pa.
 KKG1280 Mary Diehl, 800 Mohican St., Bethlehem, Pa.

KKG2520 Norman Betty, 3801 Newport Gap Pike, Wilmington, Del.
 KKG2712 Claude Dye, R. D. 3, Pottstown, Pa.
 KKG3061 Ralph Stark, 146 Grape St., Reading, Pa.
 KKG3294 Ross Galloway, 7601 Pacific Ave., Wildwood Crest, N.J.
 KKG3616 Dom Viscuso, 2702 Green St., Feltonville, Chester, Pa.
 KKG3920 Rudy Freimann, 47 Barto Rd., Bally, Pa.
 KKG3987 John LeMay, 28 E. Water St., Gettysburg, Pa.
 KKG4062 Jeff Tytler, 526 Sixth Ave., Collegeville, Pa.
 KKG4472 David Bubeck, 109 East Main St., Schuylkill Haven, Pa.
 KKG4482 Lee Petrucci, 316 West Van Buren Ave., New Castle, Del.
 KKG4850 Peter Bernard, 508 Clark Ave., Folsom, Pa.
 KKG4967 Tom Worley, R. D. 1, Womelsdorf, Pa.
 KKI10233 Houston Mullins, 321 Yorkshire Lane, Manassas, Va.
 KKI10651 Charles Whetzel, Mt. Falls Route, Winchester, Va.
 KKI1418 Bennie Scarton, Bretz, West Virginia
 KKI1846 Rudy Sosna, R. F. D. 1, Strasburg, Va.
 KKI2000 Tom Termini, 4611 Langdrum Lane, Chevy Chase, Md.
 KKI2031 Bill Dunlap, Rt. 4 Mexico Farms, Cumberland, Md.
 KKI2063 Jack Mory, 2501 Washington Blvd., Balto., Md.
 KKI2997 Don Breitweiser, 947 Maryland Ave., Hagerstown, Md.
 KKI3355 Donald Vaughn, 318 Mulhenny St., Woodstock, Va.
 KKI3381 Marty Kessler, 676 Houston Ave., Takoma Park, Md.
 KKI3416 Eugene Frye, Box 47, Augusta, W. Va.
 KKI3745 Don Petri, 212 White Ave., Balto., Md.
 KKI4476 William Schrimsher, 1512 S. Columbus St., Arlington, Va.
 KKI0471 J. L. Kirkland, Route 7, Raleigh, N.C.
 KKI0745 Jimmy Chocklett, 504 Denby St., Wilson, N.C.
 KKI2869 Kelly Howard, 415 Broad St., Oxford, N.C.
 KKI4239 Bill Hovis, 334 Baldwin Ave., Charlotte, N.C.
 KKI4396 Lynn Bailes, 3033 Maywood Road S.W., Roanoke, Va.
 KKI4410 Smylie Grantham, P.O. Box 364, Raeford, N.C.
 KKI5782 Richard Mitchell, 403 E. Delaware, Draper, N.C.
 KKI6182 Gordon Galloway, 211 Butler Rd., Fredericksburg, Va.
 KKI6606 Don Dalton, Bland, Virginia
 KKI7871 E. W. Thompson Jr., Route 2, Harrisonburg, Va.
 KKI8094 Ron Lovern, Route 2, Box 292, Salem, Va.
 KKI8147 Lee Runion, 127 Alred Lane, Fayetteville, N.C.
 KKI8262 Patricia Harris, P.O. Box 6, Bethel, N.C.
 KKI0562 Bill Gibson, P.O. Box 2004, Macon, Ga.
 KKI0735 Ebbie Odum, 140 Dupree St., Chester, S.C.
 KKI0911 Grady Hill, 205 Walnut St., Union, S.C.
 KKI1253 Buford Richey, 225 Davis Ave., Florence, Ala.
 KKI1794 Johnnie Ramsey, P.O. Box 494, Cedartown, Ga.
 KKI2052 Linton Slappay, P.O. Box 52, Plains, Ga.
 KKI4156 Fred Monday, 77 Brownwood Ave., Asheville, N.C.
 KKI4713 Earl Geary Sr., Tracy City, Tenn.
 KKI7129 Carl Stapleton, Route 1, Box 179-N, Helena, Ala.
 KKI7376 Donald Wilson, 1529 Bush Blvd., Birmingham, Ala.
 KKI7482 Charles Cromer, Route 1, Box 282A, Newberry, S.C.
 KKI7742 Mike Satterfield, Route 1, Walhalla, S.C.
 KKI7788 Claude Witt, 814 S. Webb Ave., Crossville, Tenn.
 KKI8374 Oswald Gibson, 206 E. Baruch, Denmark, S.C.
 KKI9224 Robert Stephens, Route 12 - Box 409, Birmingham, Ala.
 KKI9441 Floyd Pool, 2007 McBrien Rd., East Ridge, Tenn.
 KKI9702 James Wolfe, 1707 Merrycrest Dr., Memphis, Tenn.
 KKI0258 Bill Powers, P.O. Box 104, Bowling Green, S.C.
 KKI0628 Glenn Owens, Route 3, Newport, Tenn.
 KKI0673 Rankall Thomas, Box 108, Boone, N.C.
 KKI0793 G. W. Page Jr., Box 398, Lake View, S.C.
 KKI0882 F. L. Parmenter, 229 Ridgeway Rd., Hueytown, Ala.
 KKI1444 Roy Snoc, 818 Baird Ave., Morristown, Tenn.
 KKI1566 Joseph Fail Jr., Troy State College, Troy, Ala.
 KKI1884 Raleigh Melborn, Box 293, Boone, N.C.
 KKI1900 Dwight Edmisten, Oakwood Motel, P.O. Box 544, Boone, N.C.
 KKI2631 Warren Stevens, 770 Longleaf Dr. N.E., Atlanta, Ga.
 KKI2690 Carroll Rogers, III, Box 178, Middletown, Conn.
 KKI2781 George Williams Jr., Walters St., Plains, Ga.
 KKI3229 T. J. Gibson, Box 564, Bennettsville, S.C.
 KKI3769 Steve Townsend, 305 Grand Blvd., Boone, N.C.
 KKI4088 Ken Roberts, 131 Alabama Ave., Macon, Ga.
 KKI0163 Jim Usry, 1206 Tennessee Ave., Lynn Haven, Fla.
 KKI1393 Jeep Rhoads, Rt. 6, Box 203, Lakeland, Fla.
 KKI2232 Carol Sanders, 3209 Cherokee Ave., Tampa, Florida
 KKI2242 Frank Wolfgang, 4729 Bay Vista Ave., Tampa, Fla.
 KKI4124 Gene Pairgin, 5111 68th St. North, St. Petersburg, Fla.
 KKI4835 Jimmy Dekle, 2502 Jamie Cir., Orlando, Fla.
 KKI5169 David Hood, 1001 S.W. 76th Ave., Miami, Fla.
 KKI5298 Greg Green, 3725 Dover St., Orlando, Fla.
 KKI2939 Bobby Sanford, 111 King St., Columbus, Miss.
 KKI2942 Wayne Williams, 1305 Marquette, Tupelo, Miss.
 KKI3042 Bill Tarvers, 3319 Poplar St., North Little Rock, Ark.
 KKI4656 Brad Brock, Route 1, Box 432, Vicksburg, Miss.
 KKI4284 Richard Neely, Harrisville, Mississippi
 KKI4586 Jack Shortt, 1511 Cottage Lane, Lake Charles, La.
 KKI4980 Bill Goads, 108 Wisteria Dr., North Little Rock, Ark.
 KKI6231 Mike Anderson, P.O. Box 2626, Laurel, Miss.
 KKI3677 Jerry Smith, B-4-Z College View, College Station, Texas
 KKI3680 Le Winder, 4204 Oaklawn St., Bryan, Texas
 KKI3774 Bill Freeman, 4000 Nagle, Bryan, Texas
 KKI0927 Dinky Hill, Route 1, Rising Star, Texas
 KKI2216 Donald Herren, 217 East Kansas, Blackwell, Okla.
 KKI3836 Clarence Norton, 512 W. Broadway, Longview, Texas
 KKI4589 Paul Drennon, 2402 Anderson, Irving, Texas
 KKI7475 Don Chamber, 1420 Koberlin, San Angelo, Texas
 KKI2834 KKI2834 Bessie Strainline, 1171 W. Miracle Mile, Tucson, Ariz.
 KKI5057 John Mercado, P.O. Box 5063, Santa Ana, Calif.
 KKI5201 Dale Fletcher, 54728 El Prado Trail, Yucca Valley, Calif.
 KKI5603 Steve Nelson, Box 477, Buellton, Calif.
 KKI7083 James Fuller, 405 Fillmore St., Taft, Calif.
 KKI0194 Perk Perkins, 24515 Vermont Ave., Harbor City, Calif.
 KLA0821 Frank Munoz, 1284 Crowley Ave., Santa Clara, Calif.
 KLA1014 Bob Balanco, 2183 Altamont Rd., San Leandro, Calif.
 KLA2060 Vic Pedro, 1637 23rd St., San Pablo, Calif.
 KLA3291 Paul Linehan, 2 Estabueno Dr., Orinda, Calif.
 KLA3648 Jim Cox, 1865 Michigan, Stockton, Calif.
 KLA4894 Robert Hash, 832 Marguerite, Mine Rd., Auburn, Calif.
 KLA5173 Chuck Hopper, 834 Florida St. Vallejo, Calif.
 KLA5339 Larry Horton, 2369 Mammoth Dr., San Jose, Calif.
 KLA5519 Cliff Anfinsen, 1830-32nd Ave., San Francisco, Calif.
 KLA5629 Carroll Hatchell, 2222 Sacramento St., Vallejo, Calif.
 KLA5847 Ray Broten, 40 Buena Vista, Vallejo, Calif.
 KLA6402 Bruce Farley, 3679 Bryant St., Palo Alto, Calif.
 KLA6569 Bob Wright, 1243 Sierra Mar Dr., San Jose, Calif.
 KLA7360 Larry Coxson, 1439 Terilyn Ave., San Jose, Calif.
 KLC1752 Steve Begley, Box 1417, Brookings, Oregon
 KLD0488 Ben Michel, 4616 So. Lucile, Seattle, Wash.
 KLD0953 Keith Howe, 9001-16th Ave. S.W., Seattle, Wash.
 KLD1817 Don Fletcher, 3432 So. 180 Pl., Seattle, Wash.
 KLD2339 Gene Morris, E8102 Valley Way, Spokane, Wash.
 KLD2362 Richard Spengler, Route 1-Box 48, Grangeville, Idaho
 KLF1410 John Johnson, 611 Packard St., Tomah, Wis.
 KLF1653 Larry McGuire, Box 12, Camp Douglas, Wis.
 KLF2980 Steve Butler, 822 North Glendale Ave., Tomah, Wis.
 KLH4994 Jack Doggett, 8060 Dema Dr., Des Moines, Iowa
 KLH6583 William Royal Jr., Syracuse, Nebraska
 KLH7066 Francis Schuetz, R. F. D. 2 - Box 65, Remsen, Iowa
 KLH7398 Bob Carr, 1507 Jefferson, Great Bend, Kansas
 KLH7458 Chuck Stagner, 3833 West 68th St., Kansas City, Mo.
 KLH7531 Max Meisel, 1328 Westview, Derby, Kansas
 KLH7945 James Price, 3409 East 7th St., Kansas City, Mo.
 KLH8133 Norman Royal, Syracuse, Nebraska
 KLI0112 Marv-Matt Wilkinson, 1100 31st, West Des Moines, Iowa
 KLI0397 Steve Nelson, 43 North 11th St., Kansas City, Kansas
 KLI1365 Glenn Earney, 928 Olympia Dr., Ferguson, Mo.
 KLI1432 Bob Kimbley, 812 Troost Ave., Olathe, Kansas
 KLI0255 Bob Pierce, 182nd St., Box 382, Lansing, Ill.
 KLI0440 Don Thielsen, 2803 Iroquois Trall, McHenry, Ill.
 KLI0585 Ralph Burkema, 97 Keystone Ave., Fox Lake, Ill.
 KLI1650 Dan Wright, 1336 Blaine Ave., Janesville, Wis.
 KLI2067 Butch Felmeten, 4401 West Shore Dr., McHenry, Ill.
 KLI2755 Marti Diwiel, 290 S. Wheeling Ave., Wheeling, Ill.
 KLI2946 Harold Bjorkquist, 8878 South 84th St., Franklin, Wis.
 KLI3291 The Mouse, 642 118th St., Whiting, Ind.
 KLI3945 William Turner, 1728 Ford Ave., Owensboro, Ky.
 KLI4142 Jon Kramer, R. 1, Box 45J, 606 Highland Dr., Trevor, Wis.
 KLI4661 Don Hyland, R. F. D. 6, Decatur, Ill.
 KLI4663 Bev Chappell, 3644 E. Minnie St., Decatur, Ill.
 KLI5993 Bob Frankowiak, 1722 Brown Ave., Whiting, Ind.
 KLI6057 Myrtle Hittle, 1601 So. 4th St., Richmond, Ind.
 KLI7357 Bud Bachman, 2725 Vinton Ave., Rockford, Ill.
 KLI8388 Tom Ebert, 2217 Cliff Rd., Burlington, Iowa
 KLI9180 Jerry Gaughan, 1826 Davis Ave., Whiting, Ind.
 KLI9786 Hank Maier, 722 Cummings Ave., Waukegan, Ill.
 KLI1217 Dick Fairheart, P.O. Box 66, Marion, Ill.
 KLI1408 Pat Adams, 509 May St., Sumner, Ill.
 KLI1581 Frank Hawley, 2313 Johnson St., Keokuk, Iowa
 KLI1623 Ada Gordon, 419 W. Grand Ave., Decatur, Ill.
 KLI1923 Tom Stables, Bethany, Ill.
 KLI1975 W. H. Willett, Lewisport, Kentucky
 KLI2079 Russell Smith, 107 So. State St., Louisville, Ky.
 KLI2149 Rexford Niccum, RFD 1, North Manchester, Ind.
 KLI2323 Joe Wajda, 3018 N. Nottingham Ave., Chicago, Ill.
 KLI2458 Lincoln Ide, 7842 So. McVicker, Oak Lawn, Ill.
 KLI2533 Wesley Hansen, 1619 W. Grandview Ave., Chicago, Ill.

KLK3138 Chuck Brown, 2817 Ruby Ave., Racine, Wis.
 KLK3190 Steve Scherer, 103 West 4th St., Fowler, Ind.
 KLK3310 Tom Wells, 911 Oakley St., Evansville, Ind.
 KLK3372 Don Minnerick, R.R. 6, Connersville, Ind.
 KLK3619 Matt Loeffler, 2169 South 64th St., West Allis, Wis.
 KLK3653 Art Prior, Rt. 1-Box 2, Camp Lake Garden, Trevor, Wis.
 KLK4588 Charles Cople, 1749 W. Ravina Park Rd., Decatur, Ill.
 KLK4593 Jerry Gentry, 7807 Yates Blvd., Chicago, Ill.
 KLK4886 Charlotte Stearman, P.O. Box 326, Albany, Ill.
 KLK4918 Carl Elpers, 338 Wheatland Ave., Logansport, Ind.
 KLK5005 Dave Karr, 320 Maplewood Dr., Antioch, Ill.
 KLK5031 Jon Jangle, 901 South Harlem, Freeport, Ill.
 KLK5502 Dick Crider, 3033 Ute Ln., Lafayette, Ind.
 KLK5617 Chuck Sylvester, 1629 East 86th Place, Chicago, Ill.
 KLK5768 John Paida, 2840 So. Kenneth Ave., Chicago, Ill.
 KLK5810 Irving Felzer, 2131 So. 15th Place, Milwaukee, Wis.
 KLK5898 John Krefz, 503 Ravine Dr., Round Lake, Ill.
 KLK6006 Bob Hertzberg, 5213 W. Parkview Dr., Mequon, Wis.
 KLK6181 Jim Lostien, c/o Artist Corp. Wis. Hotel, Milwaukee, Wis.
 KLK6419 Jerry Smith, Rt. 1, Box 28-A, Trevor, Wis.
 KLK6778 George Joslyn, 4819 Wright Terr., Skokie, Ill.
 KLK6914 Terry Vosepka, 2723 So. Karlov Ave., Chicago, Ill.
 KLK7004 Wm. Porath, 985 Reddin Ave., Neenah, Wis.
 KLK7288 Bill Ohnesorge, 551/2 Bluff St., Dubuque, Iowa
 KLK8104 Bob Chambers, Bloomington, Ill.
 KLK8300 Marlyn Kempf, Rt. #1-Box 298, Cambridge, Wis.
 KLK8405 Betty Dungan, 208 N. Main St., Dunkirk, Ind.
 KLK8815 Dick Hadley, 607 Wesley St., Huntington, Ind.
 KLK9539 Mike Geiger, Box 83, Culver, Ind.
 KLL0077 Don Field, 112 Monee Rd., Park Forest, Ill.
 KLL0146 David Greer, 708 Pevele* Dr., Russellville, Ky.
 KLL0228 Leonard Westemeyer, 509 1/2 W. 8th St., Dubuque, Iowa
 KLL0681 Dick Stichter, 851 E. Pleasant St., Freeport, Ill.
 KLL0809 Fritz Stearman, Albany, Ill.
 KLL1180 Doug Grimes, 2824 Downing Ave., Westchester, Ill.
 KLL1281 Tom Wilson, 1603 Ruth Ann Dr., Centralia, Ill.
 KLL1329 Bill Drews, 328 Bellevue Dr., Round Lake Park, Ill.
 KLM0922 Bill Kasprzak, 236 Ontario Rd., Niles, Mich.
 KLM1447 Lee Collins, 4814 Sundale, Drayton Plains, Mich.
 KLM3815 Frank Vargo, P.O. Box 275, Pontiac, Mich.
 KLM3893 Robert Elam, 714 Livingstone, Pontiac, Mich.
 KLM3971 Ray Gould, 1806 Kim Ave., Kalamazoo, Mich.
 KLM4842 Bessie Hazen, 231 North Mead St., Zanesville, Ohio
 KLM5051 Jim Swartz, 62 Stadium Dr., Tallmadge, Ohio
 KLM5233 Cecil Campbell, 5687 Eldridge, Pontiac, Mich.
 KLM7763 Jim Warner, 836 Pensacola, Pontiac, Mich.
 KLM7788 Charles Holland, 942 Lingle Ave., Owosso, Mich.
 KLM8313 Bob Sizemore, 7807 Hope Ave., Cleveland, Ohio
 KLM9197 Bob Fritz, 801 Chestnut St., Coshocton, Ohio
 KLM9517 Jim Rollins, 805 W. Lawrence Ave., Charlotte, Mich.
 KLM9934 Leonard Beaudry, 32821 River Rd., E. Rockwood, Mich.
 KLN1209 Ollie Ramey, 2922 Cypress St., Portsmouth, Ohio
 KLN1732 Art Lucas, 1011 W. Cherry Creek Rd., Mio, Mich.
 KLN1932 Rodney Brown, 1812 Woodland Dr., Coshocton, Ohio
 KLN2082 Bob Browning, 1217 North Ave. N.E., Massillon, Ohio
 KLN3127 Jim Stroud, 10 Huntington Place, Kettering, Ohio
 KLN3731 Norm Sieggreen, 1532 N. Bond, Saginaw, Mich.
 KLN4091 Clare Wilson, 94 E. Colgate, Pontiac, Mich.
 KLN4366 Grant Bryan, 669 Harvard St., Akron, Ohio
 KLN4898 Ernie Zam, 2737 Northvale Rd., Oregon, Ohio
 KLN5237 Ken Hess, 2005 Beal Ave., Lansing, Mich.
 KLN5410 Bill Schmidt, 734 N. 11th St., Miamisburg, Ohio
 KLN5598 Rawlings Funeral Home, London, Kentucky
 KLN5768 Jim Nooney, Falling Rock, W. Va.
 KLN5795 Mike Salzman, 2854 Lincoln St., Lorain, Ohio
 KLN5813 Keith Bowers, 6785 Banner, Taylor, Mich.
 KLN6130 Jerry Hayes, P.O. Box 1331, Sta. A, East Liverpool, Ohio
 KLN6155 Bob Mills, 3802 Ash St., Kalamazoo, Mich.
 KLN6235 Fritz Caccia, 3749 Longfield, Ravenna, Ohio
 KLN6367 Tom Getgood, 426 Mitchell St., Sanford, Mich.
 KLN6383 Robert Saltsman, 412 Water St., Salineville, Ohio
 KLN6563 Clyde Huskonen, Linna Drive Lake Road W., Ashtabula, O.
 KLN7841 Grace Beaudry, Route 1, Rose City, Mich.
 KLN8048 Bill Combs, R.R. 5, Iron Works Rd., Winchester, Ky.
 KLN8105 G Rodabaugh, 10078 E. Coldwater Rd., Davison, Mich.
 KLN8264 C Schroeder, 4016 St. Joseph Ave., Berrien Springs, Mich
 KLN9152 Carl Lockhart, Box 28, Cooville, Ohio
 KLN9155 Evans Johnson, 115 McKee, Manistee, Mich.
 KLN9288 Bill Roy, N17 Baseview Trailer Ct., Emerald, N.Dak.
 KLN9345 Jimmie Stephens Jr., 132 Lawnview Ave., Springfield, O
 KLN9798 Gene Neumann, Box 294, Bucyrus, Ohio
 KLN9961 Orville Bluhm, 1483 F. Bellum, Muskegon, Mich.
 KLO0175 Paul Manville, 1736 Lombardy, East Highland, Mich.
 KLO0598 William Lechner, 4441 Parnell, Pontiac, Mich.
 KLO0754 Marvyn Goff, 1524 Maryland Ave., Springfield, Ohio
 KLO1270 Bob McClellan, Box 51, Elberta, Mich.
 KLO2233 Mike Frodge, Box 196, Mt. Sterling, Ky.
 KLO2394 Howard West, 3711 Van Stone Dr., Milford R. 3, Mich.
 KLO2476 Barbara Race, R.R. 3 - Box 135, Vicksburg, Mich.
 KLO2622 Bob Massey, R.R. 4 - Box 305, Coldwater, Mich.
 KLP0319 Pete Hons, 614 Main St., Portage, Pa.
 KLP0990 Robert Eddy, Rt. #2, Guys Mills, Pa.
 KLP1285 Doug Williams, Eleven Oakdale Rd., Johnson City, N.Y.
 KLP1619 Joe Martin, 500 1/2 Porter St., Watkins Glen, N.Y.
 KLP1938 Gregory Dovey, 109 Iroquois St., Johnstown, Pa.
 KLP2846 Harold Greba, 610 Henry Lane, Irwin, Pa.
 KLP3111 Paul Miller, 8 Clark St., Canton, N.Y.
 KLP3284 Mike Phillips, 599 West 8th St., West Wyoming, Pa.
 KLP4032 Milan Abbott, R.D. 1 Geneva Rd., Lyons, N.Y.
 KLP4360 Earl Bonenblust, 515 Whiting Rd., Webster, N.Y.
 KLP4695 Dan Cunningham, 185 Ogden Center Rd., Spencerport, N.Y.
 KLP4976 Dick Todd, 157 Hobart St., Utica, N.Y.
 KLP5005 Bud Fowkes, 1031 5th Ave., Box 261, Duncansville, Pa.
 KLP5033 Tom Zawrotny, Rathbone, N.Y.
 KLP5552 Ronald Clark, 130 West Sawyer Place, Rochester, N.Y.
 KLP5686 Charles Johnson, 332 Huron Ave., Renovo, Pa.
 KLP5748 Butch Frazier, Halfacre, R.D. 3, Auburn, N.Y.
 KLP5750 Harlien Wood Sr., Box 526, Star Lake, N.Y.
 KLP6039 William McKenna, 1354 Davis St., Elmira, N.Y.
 KLP6053 Bob Clouser, 810 S. Wayne St., Lewistown, Pa.
 KLP6486 Harry Butler, West Fort Ann, N.Y.
 KLP6626 Wallace Nolen, 12 Chase St., White Plains, N.Y.
 KLP6639 Don Berman, 121 W. Ross St., Wilkes Barre, Pa.
 KLP6705 John Fox, P.O. Box 92, New York Mills, N.Y.
 KLP7228 Jim Elwood, R.D. 1, Rathbone, N.Y.
 KLP7290 Stephanie Kogut, Frankfort, N.Y.
 KLP7326 Robert Hurley, R.D. 1, Waynesboro, Pa.
 KLP7516 Millie Widmeyer, Box 99-A - Martha St., Hopwood, Pa.
 KLP7578 David Moss, P.O. Box 61, Endicott, N.Y.
 KLP7749 Ray Bronder, 416 9th St., Monessen, Pa.
 KLP7848 Bryan May, 147 Old River Rd., Wilkes-Barre, Pa.
 KLP7879 Clarence Peet, Box 73, Port Crane, N.Y.
 KLP7909 Al Gutfucht, 248 Spencer Rd., Rochester, N.Y.
 KLP8083 Howard Davidson, 26 Knight St., Glens Falls, N.Y.
 KLP8105 Alan Rubin, 12 Grandview Terrace, Cobleskill, N.Y.
 KLP8118 Stan Gordon, 81 Northmont St., Greensburg, Penna.
 KLP8509 Leonard Dotson, Monessen, Pa.
 KLP8570 Jim Moriarty, 220 Saint Clair Ave., Renovo, Pa.
 KLP8791 Jim Smith, R.D. 3, Fort Plain, N.Y.
 KLP8809 Don Shumaker, 147 Greenbrier Dr., Carnegie, Pa.
 KLP9135 Tom Bryan, 409 West 4th St., Erie, Pa.
 KLP9151 Robert Lance, 10 Fredella Ave., Glens Falls, N.Y.
 KLP9534 Steve Delorm, 258 Spencer Rd., Rochester, N.Y.
 KLP9557 George Booth, 971 Sweeney St., North Tonawanda, N.Y.
 KLP9618 Bill Lohnes, Box 176, Round Lake, N.Y.
 KLP9656 Irvin Kimmel, P.O. Box 14, Tire Hill, Pa.
 KLP9765 Lewis Valachovic, 110 Burton St., Johnstown, N.Y.
 KLP9773 Ron Crown, 764 Merchants Rd., Rochester, N.Y.
 KLP9789 Ed Kindervater, Box 404, Hopwood, Pa.
 KLO0114 Roger Hamm, 1447 Union Center, Main Hwy., Endicott, N.Y.
 KLO0343 Dave Rhodes, 30 Garden Terr., Pittsburgh, Pa.
 KLOQ0391 Jim Conners, 10 Tobes Hill, Hornell, N.Y.
 KLOQ457 Charles Goughnour, 207 Coldren St., Johnstown, Pa.
 KLOQ460 Ken Probst, 43 East Church St., Lock Haven, Pa.
 KLOQ888 Steve Pfaff, 204 S. Fairview St., Lock Haven, Pa.
 KLOQ1059 William Nagurney, 727 Marion St., Scranton, Pa.
 KLOQ1132 Gerald Bach, 206 Ottawa St., Johnstown, Pa.
 KLOQ1173 Lester Finnegan Sr., 8171 Main St., Williamsville, N.Y.
 KLOQ1273 Bill Gilligan, Box 171, Latrobe, Pa.
 KLOQ1294 Koffee Hound, Box 241, Frankfort, N.Y.
 KLOQ1459 Terry Wildey, 47 W. Montgomery St., Ilion, N.Y.
 KLOQ1560 Jud Kurlanchek, 242 East Dorrance St., Kingston, Pa.
 KLOQ1985 Ronnie O'Neill, 72 Academy St., Wilkes-Barre, Pa.
 KLOQ2202 Raymond Vonada, 304 James St., Flemington, Pa.
 KLOQ2217 Don Anderson, 528 Ridge Ave., Cannonsburg, Pa.
 KLOQ2302 Bill Caccia Sr., Box 67 - R.D. #4, Greensburg, Pa.
 KLOQ2319 Lee Williams, 123 Powell St., E. Pittsburgh, Pa.
 KLOQ2519 Dick Pomerleau, 88 1/2 Lincoln Ave., Saratoga Springs, N.Y.
 KMA0862 Joan Savides, 59 Baldwin Dr., Hampden, Mass.
 KMA1395 Ray Martel, 1443 Parker St., New Bedford, Mass.
 KMD0173 Monte Capri, 4622 - 16 Ave., Brooklyn, N.Y.
 KMD0219 C. Moskowitz, 755 Roger Ave., Brooklyn, N.Y.
 KMD0252 Mike Shannon, 637 C 2nd St., Somerville, N.J.
 KMD0428 David Bellask, 1159 E. 42 St., Brooklyn, N.Y.

**FOR THE VERY BEST
QSL CARDS**

It's FRANK B. MATHEWS ADVERTISING ART. All of our CB QSL cards are printed in full color, on glossy stock, using the latest in modern designs.



FRANK B. MATHEWS Adv. Art
1616 Rural St. Rockford, Ill. 61107

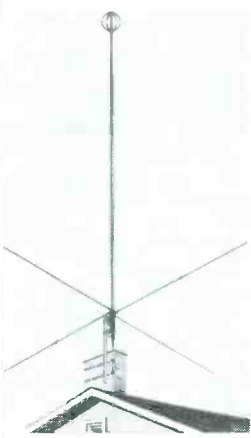
WRITE TODAY FOR FREE SAMPLES

- KMD0992 Howard Huneke, 518 Mountain Ave., Springfield, N.J.
- KMD1113 Richard Harvey, 133 Morris Ave., Summit, N.J.
- KMG0107 Dick Kreider, 374 S. Main St., Manheim, Pa.
- KMG0471 Charlie Stauffer, R.D. 1, Holtwood, Pa.
- KMG0791 Gregory Pace, 910 Redwood Dr., Carlisle, Pa.
- KMG0801 Don Mc Donald, 3713 Valleybrook Dr., Wilmington, Del.
- KMI0434 Dennis Fraley, 48 Broadway, Hagerstown, Md.
- KMK0568 Jack Pridgen, 408 W. 19th St., Lumberton, N.C.
- KMM0085 Eldon Potts, Iotla St., Franklin, N.C.
- KMM0731 Waymon Baltimore, 1519 Antioch Pk., Antioch, Tenn.
- KMM1049 Joe Harris, Rt. 1 - Box 128, Ringgold, Ga.
- KMM1175 Joe Doggett, 1409 St. Anne St., Lewisburg, Tenn.
- KMM1823 Joel Arnold, #47 Stewart Homes, Fort Stewart, Ga.
- KMP0458 Dave Pybus, 122 Keystone Plaza, Panama City, Fla.
- KMR1149 Linda Loftin, Rt. 1 - Box 429, Deridder, La.
- KMR1383 John Funk, Route 4, Paragoud, Ark.
- KMX0684 Dale Fletcher, P.O. Box 924, Yucca Valley, Calif.
- KND0168 Barry Simpson, 4819 So Fife, Tacoma, Wash.
- KNH0786 Bill Howard, 2700 Grandview Ave., Des Moines, Iowa

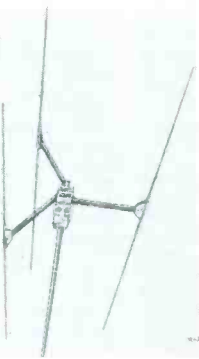
- KNH1047 Herb Heumann, 1850 South 49th St., Lincoln, Nebr.
- KNH1524 Bill Taylor, 7809 Arlington, Raytown, Missouri
- KNH2593 Dale Hartmann, 125 E. Holden, Lemay, Mo.
- KNJ0122 Glenn Flury, 936 Rock St., Dubuque, Iowa
- KNJ0939 Charlotte Baxter, R. 2 - Box 342, Sierrill, Iowa
- KNJ1364 John Incisi, 2817 Buckingham, Westchester, Ill.
- KNJ2321 Rick Rumick, 1032 Oak Ridge Dr., Glencoe, Ill.
- KNM0430 Roger Routzon, 4271 W. 23 St., Cleveland, Ohio
- KNM0578 John Fiediga, 30430 Eddy Road, Willoughby, Ohio
- KNM0946 Phil Routzon, 4292 W. 22 St., Cleveland, Ohio
- KNM1400 Gerald Kocher, Route 7, New Martinsville, W. Va.
- KNM1533 KNI Wright, Rt. 1 - Box 122 A-1, Hurricane, W. Va.
- KNM2202 Candy Duffield, 121 Laverne Lane, Akron, Ohio
- KNM2322 Chuck Sisler, 140 Montgomery Lane, Mingo Junction, Ohio
- KNM2398 Cy Sweger, Hamilton, Ohio
- KNM2840 Henry Warden, 1507 St. Clair St., Covington, Ky.
- KNM3486 Norm Van Heste, 601 T.C.S., DET 300, APO, N.Y., N.Y.
- KNM3839 Skye Wittig, 603 Spruce St., Manistee, Mich.
- KNM4121 Marion Houses, P.O. Box 357, Winchester, Ky.
- KNM4813 Jim Waters, 28 S. Pembroke Ave., So. Zanesville, Ohio
- KNP0061 Roy Reynolds, Box 14, Elbridge, N.Y.
- KNP0457 Jeff Ohlsson, 88 Bowen St., Jamestown, N.Y.
- KNP0567 Bob Ivanoff, 726 Ellsworth Ave., Jeannette, Penna.
- KNP1200 Chuck Kratochvil, 111 Cort St., Jeannette, Pa.
- KNP1444 Mary Clark, 863 Monaca Rd., Monaca, Pa.
- KNP1445 Earl Roehl, 861 Monaca Rd., Monaca, Pa.
- KNP2429 Bob Bialecki, 17 Roser St., Rochester, N.Y.
- KNP2915 John Bryant, Route #4, Brookville, Pa.
- KNV0070 Pat Parker, 1023-16 St. N.E., Washington, D.C.
- KNZ1903 George Abele, 220 Reese St., Sandusky, Ohio
- XM112045 Lloyd Tait, 2088 E. 26th Ave., Vancouver, B.C., Canada
- XM23597 Byron Orge, P.O. Box 1122, Medicine Hat, Alb., Canada
- XM41747 Captain Blood, R.R. 1, Orilla Ont., Canada
- XM411700 Skippy Massam, 66 Guthrie Ave., Toronto, Ont., Canada
- XM43614 Jacob Fehrman, R.R. 1, Port Colborne, Ont., Canada
- XM431259 Denis Dubois, Box 71, Welland, Ont., Canada
- XM522987 Lorne Rother, 5590 Beamister Pl., Montreal, Quebec

Continued on page 68


BUY YOUR CB NEEDS FROM ECHO AND SAVE




M-117
Famous Super Magnum complete with 60 ft. of RG8U Coax and 2 PL-259 Connectors.
Only \$29³⁴



M-119
Scanner Rotorless Beam Complete with Control Box, 60 ft. of RG8U Cable and 2 PL-259 Connectors.
Only \$64⁶⁶



Only \$11⁰²



Only \$13⁴⁵

ECHO COMMUNICATIONS INCORPORATED
1038 S. WASHINGTON AVE.
CEDARBURG, WISCONSIN

Enclosed find \$ _____
Please send model _____

Please send Free CB Catalog

Name _____

Address _____

City _____ State _____ Zip _____

SEND FOR FREE CB CATALOG

HANDSOME CALL-LETTER BADGE

Free WITH A SUBSCRIPTION
TO S9

\$2.00 VALUE
FREE with
2 year sub or
3 year sub



Actual Size



Actual Size

\$1.50 VALUE
FREE with
one year sub

Your choice of many different colors on your personalized badge. Ideal to wear at conventions and jamborees.

Style #

- 11 Black with White Letters
- 12 White with Black Letters
- 13 Red with White Letters
- 14 Blue with White Letters

Style #

- 16 Yellow with Black Letters
- 20 White with Red Letters
- 22 Green with White Letters
- 23 White with Blue Letters

S9 Magazine • 14 Vanderverter Ave. • Port Washington, N.Y. 11050

Enter my subscription to S9 for 1 year at \$5.00

To begin with the _____ issue. 2 years at \$9.00

Name _____ 3 years at \$13.00

Address _____ NEW

City _____ State _____ Zip Code _____ RENEWAL

Call to be engraved _____ Badge Style # _____

I have a subscription to S9, please send badge only.

\$1.50 incl. \$2.00 incl.



WASHINGTON OUTLOOK

The following FCC actions took place in CB land during the past month:

- The following CB'ers were told to show cause why they should not lose their CB licenses:
KEJ4557, Leon H. Jackson, San Diego, Calif.
KBA3308, Allan Greenier, Worcester, Mass.
IQ1967, Howard H. Morgan, Rutland, Vt.
KLN3827, Paul D. Sullivan, Chillicothe, Ohio.
KEE3397, Russell V. Siddell, Brazoria, Tex.
KKA1598, Bruce R. Sinclair, Hingham, Mass.
KLC1739, Daniel M. Danton, Milwaukee, Wis.
Oreg.
KFD1188, Robert L. Connelly, San Mateo, Calif.
6Q5895, J. S. Christian, Birmingham, Ala.
KIC0185, William J. Lewis, Rochester, N. Y.
KKP1292, Clyde J. Hill, Tampa, Fla.
KKX6742, David Kent Harrolo, Whittier, Calif.

• These CB'ers had their licenses revoked for the reasons indicated:

KID4732, David Petrilli, Rochester, N. Y. (repeated failure to respond to official notices concerning his failure to furnish the Commission with an address for receipt of correspondence as required).

KKB0392, Ralph B. Carter, Dorchester, Mass. (repeated failure to respond to official notices concerning alleged violations of rules by using a tone signal or signalling device for purposes other than to establish and maintain voice communications between stations).

KEB0622, Vernon H. Huff, Jackson, Miss. (repeated failure to respond to official notices concerning alleged violation of the rules by using station for communications to another station when not necessary for the exchange of substantive messages related to the business or personal activities of the individuals involved; by transmitting communications for other persons; by failing to restrict communications to the minimum practicable transmission time; and by failing to limit communications with other stations to five minutes and failing to allow a two minute

silent period between communications). Effective Oct. 1, 1965, pending reconsideration.

KLN2736, William D. Felton, Pontiac, Mich. (repeated failure to respond to official notices concerning alleged violation of rules by using station for the transmission of communications to another station when not necessary for the exchange of substantive messages related to the business or personal activities of the individuals involved).

KKK3777, Max F. Jones, Kingston, N. C. (repeated failure to respond to official notices concerning alleged violations of the rules for non-permissible communications; by failing to address communications to a specific station or person within direct groundwave coverage range; by failing to identify station; and by using a false call).

19A7086, Leonard Staten, Flatwoods, Ky. (for repeated violations of the rules by failing to reply to official communications requesting license to furnish certain information).

KDI3158, Michael S. Ross, Miami Beach, Fla. (for repeated failure to respond to official notices concerning alleged violation of the rules by operating his station beyond unauthorized frequency tolerance).

KHG9672, Donald Salem Sabadi, Canton, Ohio (for willfully violating rules by using his station to facilitate the commission of a crime).

KEJ4583, Emanuel Camilo Zavala, South San Gabriel, Calif. (for repeated failure to respond to official notices concerning alleged violation of the rules by operating his station with excessive frequency deviation).

• The following CB'er was imposed with a \$200 monetary forfeiture:

Otis Wightman, Canandaigua, N. Y. (non-permissible communications and for failure to identify station).

• The following CB'er had his original \$200 forfeiture reduced to \$50:

KDB5697, Carl Vanek, Dallas, Ga.

• The following CB'ers received notices of

apparent liability in the amount of \$100 each: KKR4304, Robert E. Wickes, Mobile, Ala. (for repeated use of his station for the transmission of communications to units of other stations which were not within the scope of permissible communications).

KJ10332, Richard L. Minier, Palmyra, N. Y. (for non-permissible communications).

• These CB's had their \$100 forfeitures reduced to \$25 each:

6Q1698, Mike Hiott, Round "O," S. C.

11Q0752, Costa Mesa Welding Supply, Costa Mesa, Calif.

KKX0316, James L. Keefe, Santa Ana, Calif.

KDI3060, Leslie S. Goldberg, North Miami Beach, Fla.

KEJ6195, William R. Burdett, San Pedro, Calif.

KID4055, Joyce Pisciotti, Wolcott, N. Y.

• Commission charges against the following stations were dismissed:

KEJ3634, Robert M. McKinley, Costa Mesa, Calif. (license cancelled).

KKX3795, Eagle Eye Armed Guard Service, Anaheim, Calif.

• The Commission stayed the license revocation of 7Q1601, Earl William Evans, Tampa, Fla., pending Evans' request for reconsideration.

\$9

KBG4303 RIDES AGAIN

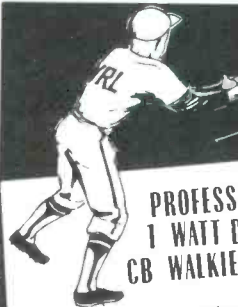
Continued from page 7

especially in the instance of "important" or "urgent" messages.

Hardly a day goes by without us receiving several "Certified," "Registered," or "Special Delivery" letters—letters which could have just as easily been sent via surface mail, or received here in the same amount of time by air mail. I like to see the Post Office take in some extra revenue as well as the next guy, but, take my word for it, gang, the fact that a letter is marked up with a dozen official looking stampings gets it read and acted upon the same as a regular letter. If it's a question of trying to impress us with this type of mail, then OK, we're permanently impressed.

The one other interesting phenomenon here is the "collect" phone call—of which we receive about 4 a week. I don't know about you, but a "collect" phone call usually means that my kid brother is stuck in some college town without enough cash for the coming weekend. In any event, we generally don't accept collect phone calls (even from my brother), so don't take a personal offense if you still insist on attempting to contact us "collect."

\$9



GRAND SLAM!

NEW

PROFESSIONAL
1 WATT DELUXE
CB WALKIE TALKIE!

- Built-in Squelch & Volume Control
- Built-in Battery Indicator
- Completely Transistorized
- External Antenna Connector for Base Station Use
- WIRED—Ready for Operation
- Ideal Conditions—Up to 5 mi. Range
- FCC License Required
- Supplied with Channel 9 Crystals Only

IN PAIRS
\$59.95 Each
SINGLY
\$64.95 Each

*RANGE UP TO
5 MILES



NEW

COMPRESSION AMPLIFIER

A TRUE COMPRESSOR
NOT A CLIPPER!

- CB/HAM/COMMERCIAL USE
- Provides up to 15DB Compression
- All Transistorized
- New Low Price

A true compression amplifier providing unequalled performance. 4 diodes - 2 transistors provide 25DB amplification - 15DB compression OFFERING HIGHER AVERAGE MODULATION LEVELS. Easy to install. Compact - 2" x 3 1/2" x 4 3/4". Requires 9V. Battery (Not Supplied). Wt. 2 lbs. 9-volt battery for above29c

ONLY
\$14.95
MADE IN
USA!

QUANTITY PRICES AVAILABLE

WORLD RADIO LABORATORIES

3415 West Broadway
Council Bluffs, Iowa 51504

WRL

WORLD RADIO LABORATORIES
3415 West Broadway
Council Bluffs, Iowa 51504

Rush me your new compressor at \$14.95

Rush me your 1 Watt Walkie Talkie at \$59.95 ea. in pairs. Singly \$64.95 ea.

Name _____ Call _____

Address _____

City _____ State _____ Zip _____

COMING EVENTS CALENDAR

Continued from page 56

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

Sunday, June 13th, **CB Round-Up** at the VFW Hall, Knickerbocker Ave., Roebling, New Jersey. The event is sponsored by the **Burlington County CB Radio Club, Inc.** Contact: Burlington County CB Radio Club, Inc., Box 241, Mt. Holly, New Jersey.

The **Cook County CB Radio Club** of Illinois will hold their **2nd Annual Jamboree**, Sunday, June 13th at White Eagle Woods, 40th and Harlem Ave., Lyons, Ill. Jamboree control channels 9 and 17. Contact: Cook County CB Club, 6655 W. Cermak Road, Berwyn, Ill.

MARS CB Club of St. Louis, Missouri is holding their annual Jamboree at Dupo, Ill. American Legion Park, June 25th, 26th and 27th. Contact: MARS, P.O. Box 3441, Maplewood, Missouri 63143.

Fly-In, Drive-In Breakfast, sponsored by Reedsburg CAP and 90th Meridian CB Club, June 6th at Reedsburg, Wisconsin, Municipal Airport. Monitor channel 11.

Northeastern Michigan CB Club, 3rd Annual Jamboree and CB Fair, June 12th and 13th at Caro Fairgrounds, Caro, Michigan. Over \$2,000 in prizes, displays and lots of entertainment.

The **Krystal Kraker Klub** of Oneida, N. Y. is holding a 2-day Jamboree at Marion Manor on Lake Oneida, June 26th and 27th. Marion Manor is located at the intersection of routes 13 and 31. Contact: P.O. Box 41, Oneida, New York.

June 6th, **1000 Islands CB Convention** at the Fairgrounds in Watertown, New York. Displays and fun for all. From 9 a.m. to 5 p.m. Be early. Contact: Ralph Gebro, Box 51, Adams Center, New York.

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

June 27th, the **Moby Dick Radio Communications Club** will hold their Jamboree at the American Legion Grounds, Route 79 in Berkley, Mass. Monitor channel 11.



S'WONDERFUL

Continued from page 23

when shunted to read 50 microamperes full scale than a 50 microampere movement used "bare-foot," a shunted 20 microampere movement is usually best for tuning meter applications, despite its slightly higher cost.

Insertion of a meter in the diode detector circuit of a receiver seems to provide the simplest tuning meter circuit, requiring only the meter, a damping capacitor, and (sometimes) a shunt resistor. It reads "forward," giving a higher reading on a stronger signal, and has the roughly logarithmic characteristic inherent in any AVC-controlled receiver.

Additional blessing with this circuit is the absence of any need for adjustment as the tubes

7.11.19 E

NUSSBAUM'S FOLLY! The printer goofed on our last order and ran off 3 times the amount of our famous wild CB QSL cards than we wanted. We refused to pay for the extras and can now pass these savings on to you. You never saw cards of this quality at \$1.75 for only \$1. All you do is add your name and call signs and they look better than cards costing many times this price. Order; enjoy, enjoy. S. Nussbaum, 1440 50th St., Brooklyn, N. Y.

age; and the similar absence of warmup surges which pin the pointer on so many bridge type signal strength meters. Once installed, a diode circuit tuning meter is very likely to operate continuously, without servicing, until the receiver is junked.



SWAPPERS UNLIMITED

Continued from page 64

XM53463 Francois Goyer. 259 Rue Moisan, Drummondville, P.Q.
 XM56066 Gilles Petit. 409 St-Joseph. La Tuque, P.Q., Canada
 XM65390 Allison Capson. 644 Rothesay Ave., St. John, N.B., Can.
 XM65391 Gregg Calkin. 174 Waterloo St., St. John, N.B., Canada
 Atl. 1515 Rob Dalton, Bland, Virginia
 Cent. 2340 Dave Coyle. 602 Elm, Coffeyville, Kansas
 Cent. 3250 David Sigo. Rt. 1 - Box 153. Goodland, Ind.
 North 3205 Hot Rodder. Box 824, Utica, N.Y.
 North 3206 Korky. Box 241. Frankfort, N.Y.
 North 3300 Tom Bolling Jr., 233 Temple St., Fredonia, N.Y.
 North 3558 George Masny, 299 E. 8th St., New York, N.Y.
 North 4066 Wayne Myers, 150 N. College St., Carlisle, Penna.
 Royal 42 Allison Capson. 644 Rothesay Ave., St. John, N.B., Canada
 WPE1GCC Terry Henry. 17 Kenworth Ave., Keene, N.H.
 WPE2HLK Bob Isele, P.O. Box 214, Gasport, N.Y.
 WPE2JPN George Masny, 299 E. 8th St., New York, N.Y.
 WPE2LUX Komical Kube. Box 241, Frankfort, N.Y.
 WPE2NHV Gerry Schechter, 3535 Kings College Pl., Bronx, N.Y.
 WPE3FSC Robert Ream, 608 High St., Lancaster, Pa.
 WPE4CNR Bill Orton, 914 Altamaha St., Chattanooga, Tenn.
 WPE4ENC Jimmy Bullock. 1628 Long Ave., Nashville, Tenn.
 WPE4HIL Glenn Strickland, Rt. 4, Box 205, Louisville, N.C.
 WPE4IIT Charles Johnson, 314 - 6th St. S.W., Charlottesville, Va.
 WPE6ETT Harry Okey Jr., P.O. Box 1526, La Jolla, Calif.
 WPE6FOS Jim Hope. 356 N. Fuller Ave., Los Angeles, Calif.
 WPE6GBC Henry Slade. 136 Tamarack St., Vandenberg AFB, Calif.
 WPE0DZY Bruce Kirkpatrick, 5633 W. 18th St., Topeka, Kans.
 VE1PE6X Andy McLellan. P.O. Box 631, St. John, N.B., Canada
 VE3PE1LO Keith Ryan, 1641 Grasmere Cres., Ottawa, Ont., Canada
 VCC1435 Frank Karcher. 3632 SW 7th St., Miami, Fla.
 WMK2R George Masny, 299 E. 8th St., New York, N.Y.
 Richie Krug, 11 Emmett St., New Hyde Park, N.Y.
 Ralph Bryant, 716 Riverside Dr., Fairfield, Conn.
 Ruth Charon, 109 Bowers St., Holyoke, Mass.
 Central Printing, 920 Vandeventer, Fayetteville, Ark.



ANSWERS TO MCGURK'S LAW HOMEWORK

- Carefully read all references on the subject. You will find varying answers. The one for you to use will differ from all of them.
- Immediately between the main highway and a high-tension tower.
- A sign will appear on the lawn of the house next door stating the property has been sold and that a 23 story building will be erected there to house a company which tests sparkplugs.
- Certainly not Mr. A.
- Channel 2.
- On the desk in the shack.
- Nobody in town can copy you through the diathermy.
- They run it alright, but with someone else's name and call sign at the bottom. Your name winds up beneath one of those corny letters saying how great the editorial was.
- From the driver's seat you couldn't see the "1" in front of the "9" on the channel selector.
- 95.377%.



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.

Crystals mailed prepaid \$2.30, QSL Cards, FCC Warning and ID Tags 2 for \$1.30, CB Radio Center, Box 12406, San Antonio, Texas 78212.

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

THIS MONTH'S S9 COVER design now available on your own QSL—in full color. Exclusively from F. B. Mathews, 1616 Rural St., Rockford, Ill. 61107. Free samples.

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

Creative QSL Cards—25¢ for catalog, samples 50¢ coupon. Personal attention given. Wilkins Printing, Box 787-9, Atascadero, Calif. 93422.

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

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

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

QSL's 2 & 3 colors 100 \$2.00 samples dime. Bob Garra, Lehighton, Penna.

The BIG Switch Is To S9

GUARANTEED 100%



**GOLDEN
LINE
C/B CRYSTALS**

FASTER DELIVERY

Count on JK replacement crystals: each crystal is tailored to the transceiver you own and exceeds FCC standards. Each crystal is triple-tested before prompt shipment from JK's huge stock, and 100% unconditionally guaranteed to you. JK GOLDEN LINE C/B CRYSTALS are priced competitively with makes of lesser quality, lower performance rating. See your JK dealer for the best-buy in crystals.

CTS KNIGHTS, INC.
Sandwich, Illinois

FOR MORE MAKES

Solid-state CB mate

The best way to ring up more 10-2s with the new solid-state transceivers is by using one of the new low-impedance Sonotone Ceramikes®. They are designed specifically for all-transistor transceivers. Transmission is loud and clear, and Ceramikes are built to take abuse. Get the low-impedance "CM-3050" or the "CM-3050M" with Magnetic Mount, today. Also Models "CM-30" and "CM-30M" for tube transceivers. Prices start at \$15.75. Write for Free catalog SAH-7.



Sonotone Corp., Electronic Applications Div., Elmsford, N. Y.

DON'T LOSE YOUR C.B. LICENSE!

At last, a way to protect this valuable document. How? With a Barbett wallet size reproduction, using our Photo Ply process.

YOUR CHOICE OF: Wallet size reproduction of your license . . . \$1.00 complete—OR—Wallet size reproduction of your license with miniature QSL or Club Emblem on back . . . \$2.00 complete.

All licenses processed the day received and returned by 1st. class mail.

Rush your license and QSL or Club Emblem with check or money order to:

BARBETT REPRODUCTIONS
P.O. BOX 1979 / HARTFORD, CONN.

CLUBS-TEAMS-SCHOOLS

SAVE MONEY
BUY FROM MANUFACTURER

Emblems • T-Shirts • Sweatshirts • Lettering
Banners • Jackets • Award Ribbons • Pennants

FREE PRICE QUOTATIONS.. SEND SAMPLE OR SKETCH.

State Name Of Club - Team - School

Send 35c For Catalog and Assorted Emblems.

American Knitwear and Emblem
PLAISTOW 14, N.H.

"Your Friendly Supplier"



OFFERS

THE *hallicrafters*
CB-9 CB TRANSCEIVER



The CB-9 is a six channel CB Transceiver, ready to operate either base AC or mobile 12 VDC, with all power cords and mounting bracket. It uses a new all-electronic push-to-talk circuitry. Features the same "drop-down" chassis as the CB-3A. Has built-in "S" meter and Receiver Variable Tuning for all channel reception plus a spotting switch. Accommodates CB-3A accessories. CB Net \$129.95

WE STOCK THE COMPLETE
HALLICRAFTERS LINE OF
EQUIPMENT AND ACCESSORIES
Time Payment Plan Available

We stock Leading Brands of New CB Transceivers; plus complete stock of Fixed Station and Mobile antennas & accessories. Check with us for your CB & Electronic requirements.

DEALER INQUIRIES INVITED

Evans RADIO

P.O. BOX 312 FONE 603-225-3358 CONCORD, N. H.

70 • June 1965

EARN \$\$\$\$ full or part time. Dealerships available for new Civil Emergency Monitor that adapts to car radio or CB rig to receive Police, Fire, etc. Write Design Marketing, Inc., Dept. "S," Box 8124, Dallas, Texas 75205.

QSL Cards—Full Color, Glossy Stock. Free Samples. F. B. Mathews, 1616 Rural Street, Rockford, Illinois 61107.

Almost 1/2¢ each for QSL's in orders of \$1.00 or more (175 for \$1.00). Send 25¢ for samples of many different styles. S. Nussbaum, 1440—50th St., Brooklyn, N. Y.

AC-DC CORDS. All makes CB sets \$3.95 ea. Plus 25¢ postage. Kamac Products Co., 325 E. Old Mill Rd., Corona, Calif.

You Name The State you want QSL's from. Send your QSL plus other extra QSL's and name a state. We will do our best to serve you. The more QSL's you send the more you receive. Send to Irving, 56 Warren St., Ellenville, N. Y.

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

QSL's by Brownie "W3CJI." Since 1939—Quality CB-WPE-QSL cards. Samples 10¢ with catalog 25¢. 3111 Lehigh, Allentown, Pa.

Cardswappers Attention!! Build up your card collection fast. Send a dollar today and receive 25 different CB QSL cards by return mail. Card Swap Shop, Box 59-B2, Hudson, N. Y. 12534.

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

Stolen: Lafayette HB-333 Ser. #4760. Unit was taken by forced entry from vehicle parked on military reservation between 8:00 P.M., March 13 and 8:00 A.M., March 14, 1965. Any information on unit should be sent to: Joel L. Render, Box 3403, 4756 Ave., Tyndall AFB, Florida 32403.

CB QSL cards. From 1¢ each to elaborate, embossed and personalized cards. Decals, card display packets. Catalog, samples 10¢. Sacandaga Press, Broadalbin, New York.

QSL's Gorgeous Rainbows, etc. Top Quality! Fast Service! Low Prices! Samples 10¢ (refundable). Harms, KDI1143, Mystery Hill, No. Salem, N. H.

TVI Filter for CB. 52 ohm Low Pass design giving more than 50 db attenuation above 53 Mc. with less than 0.3 db insertion loss below 30 Mc. UHF connectors for easy plug-in installation. 0.75 inches diameter by 3.75 inches long. Weights 3 oz. Money back guarantee. Only \$5.95 postpaid from Electrostatics, 5806 Mott St., San Diego, Calif. 92122.

"Generator Filter" 3-30 bcs. \$2.50. Voltage Regulator Filter \$2.50. Highest quality. Engineered Products Company, Springboro, Ohio.

Always say you saw it in S9

"Alternator Filters" By original designers and manufacturers. Established 1957. Non-tunable \$2.50. Tunable \$3.95. Highest quality. Engineered Products Company, Springboro, Ohio.

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

"Audio-Aid-All" Clipper-Filter kit, \$10.99; \$14.99 wired. Boosts modulation, aids reception. Postpaid. Holstrom, Box 8640-S, Sacramento, California 95822.

3-D QSL's—Top choice of leading card swappers. Spectacular spaceage samples, 25¢ (refundable). 3-D QSL Co., Monson 3, Mass. 01057.

CB Dealers new CB set American made hottest transmitter yet to be assigned on exclusive territory basis. G.M.P., Box 55, Millersville, Md.

CRYSTALS—I may have some frequencies you can use. Crystals sell at \$1.05 each postpaid—500,000 in stock send 10¢ coin or stamps for lists. Quaker Electronics, Hunlock Creek, Pa.

"Fantastic savings on C.B., Amateur, Hi-Fi equipment, and transistors. Catalog 10¢. B & G Electronics, 516-B Larchmont Acres, Larchmont, New York 10538."

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

Thrifty CB—QSL Rubber Stamps. World's largest supplier. FREE specimens. ROYER STUDIOS, Taylor, Texas.

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

F.C.C. Labels, Plastic Packets, Eyeball Cards, Call Sign Decals, QSL Cards—Free samples. Fluorescent and glossy card stock. Latest designs and ink colors. April Sign, 56290 Van Dyke, Washington, Mich.

"Looking? Shopping? Trading? Trying to save money? Write Bob Graham for special deals on new and reconditioned used gear. Cash or Budget. Graham Radio, Dept. E, Reading, Mass. 01867, Tel. 944-4000."

OFFICIAL LOOKING Sheriff Badge Stickers. Any one can use them legally, make them think twice before tampering with your equipment. Official gold, white and blue on self-adhesive vinyl plastic; weather resistant. Sold two for a dollar. Write: LAW AIDS, 516 S. Garfield Ave., Port Washington, Wisconsin 53074.

Jamboree Special! Be king of swappers. 5,000 semi-gloss CB cards, your originals, choice of several brilliant colors. Absolutely only \$19 plus postage. Offer extended to July 15. Happy customers everywhere. Bob Cleary, Box 468, Binghamton, New York.

WANTED: CB'ers wanting to make money at CB Jamborees. Write Lile Guill, Rustburg, Va.

Write to our advertisers for special product news

POWER in Miniature

The CB-15 Measures only 6 1/2 x 6 1/4 x 2 5/8 inches and it weighs only 3 pounds!

1/10th
the Power
Consumption
of Standard
Tube Units



The Ultimate in SOLID STATE Silicon Transceiver Design

Solid state circuitry uses silicon transistors only plus ceramic double tuned filters for improved adjacent channel interference rejection.

Features include external speaker jack, dust-proofed enclosed relay, 5-watt input, no interference with TV reception.

Price is only **\$1.75.**

TAKE THIS AD TO YOUR DEALER AND RECEIVE FREE AN EXTRA SET OF CRYSTALS.

Some Territories still available

HARMON MORSE RADIO

Holton, Kansas 66436 Phone 913-364-3126

New- CONVERTERS from CRESCENT ELECTRONICS

MONITOR -

- Fire
- Police
- Civil Defense
- Common Carrier
- Highway Patrol
- Public Service



CHECK THESE FEATURES—

- 3 Transistor Circuit
- Easy Installation (Hdwe. & Cables Supplied)
- DC Models for 12V. Auto Radios
- AC Models for 110V. AC-DC Sets
- Any One Mc. Frequency Range from -
 - 20-60 Mc. (C-50 Series)
 - 110-170 Mc. (C-150 Series)

C-50 DC	- - - - -	\$27.50
C-150 DC, C-50 AC	- - - - -	29.95
C-150 AC	- - - - -	32.50

Specify Desired Frequency or Range

CRESCENT ELECTRONICS
Route 4, Box 192, Rolla, Missouri 65401



advertisers index

American Sportswear	70
Antenna Specialists Co.	38
Apollo Co.	44
Barbett Reproductions	70
Browning Laboratories, Inc.	6
Channel 9 Decal	48
Crescent Electronics	71
Demco Electronics	22
Electra, Inc.	56
e.c.i. electronics communications, inc.	8
Eico Electronic Instrument Corp.	37
Echo Communications, Inc.	58
Evans Radio	70
Francis Industries	56
General Radiotelephone Corp.	Cover 4
Hallicrafters Co.	33
Harmon Morse Radio	71
Hy-Gain Antenna Products	Cover 3
International Crystal Mfg. Co.	Cover 2, 3
Johnson, E. F. Co.	5
Knights, C. T. S., Inc.	69
Knox Electronics	44
Lafayette Radio	34, 35
L-Coil Research	19
M & D Products	44
Metrotek Electronics, Inc.	40
Mosley Electronics	1
Multi Elmac Co.	44
Pearce Simpson, Inc.	44
Petersen Radio Co., Inc.	19
Project Aid	48
Radio Shack	24
Raytel Products	51
RCA	27
Sonotone Corp.	69
Squires-Sanders, Inc.	57
S9 Subscriptions	20, 65
Terry Electronics	40
Texas Crystals	15
Tram Electronics	12
United Scientific Labs	17
World Radio Labs	53

FREE CB QSL SAMPLES. From \$2.50 per 100. Radio Press, Box 24S, Pittstown, New Jersey.

Reduce Mobile Static with Skyway Static Straps. These are the bonding straps that the books on mobile units advise using to minimize road noise. Ten braided straps with heavy duty connectors. Install in minutes. Complete directions. \$2.50 postpaid or at your dealer. The Skyway Company, Box 51A, Hillsboro, Tenn. 37342.

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

Connect Your Mobile Rig To Your Battery using the most efficient connector available—a permanent professional connection to the center of your battery terminal without interfering with battery cables. Immediate disconnect and reconnect for battery servicing. Two Skyway Battery Connectors (one for your present battery and one for your next battery), Only \$1.00 postpaid or at your dealer. As with all Skyway products, money back if not satisfied. The Skyway Company, Box 51A, Hillsboro, Tenn. 37342.

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

"10" CODE ON CARDBOARD size 8 x 1 1/2 inches, easy to read. 50¢ ea. or 3 for \$1.00. Your "CB" call letters engraved on beautiful plastic desk plate. Size 9 x 2 1/2 inches with 1 1/2 inch call letters in white, with choice of blue, red, yellow and green background. \$3.00 ea. or 2 for \$5.00 prepaid. Jimmie L. Mitchell, Route 3, Box 134-S, Princeton, Kentucky 42445.

1,000 Deluxe QSL Cards on glossy kromkote post card stock. Only \$8.95 prepaid to reprint your present card in one color. \$10.95 for custom designed cards. Free samples. Metagraph Co., Box 124, Killeen, Texas.

CB QSL-SWL cards. Attractive designs, glossy white. Plastic card holders. Letters, warning and police decals. Many items for CB'ers. Catalog No. 108 FREE. Woody, 2611 Shenandoah, St. Louis, Mo. 63104.

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

Rubber Stamps—Best Quality. Your 3 lines of printing only \$1.25 including postage. Fast service! Harms, KDI1143, 905 Ferneld, Edgewater, Fla. 32032.

CB SPORTSMEN. The famous TR-SONIC FISH CALL—brings the fish right to your hook in fresh or salt water. Sold nationally for \$13.95, only \$8.25 to S9 readers. Complete including batteries. Offer good only until July 15th. Custom Electronics Co., 2929 Fulton St., Brooklyn 7, N. Y. Say you saw it in S9.

QSL'S—BILL'S 6W7263, 905 ALTAMAHA, CHATTANOOGA 12, TENN. SAMPLES 10¢.

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

Hy-gain breaks the CB range barrier again
 ... with **NEW CONCEPT**
DUO-BEAMS



**NEW
DUO-BEAM 4**
 Model 114DB
 \$39.95 Net



**NEW
DUO-BEAM 6**
 Model 116DB
 \$69.95 Net

THE MOST SIGNIFICANT ADVANCE IN ANTENNA DESIGN IN YEARS

New Hy-Gain Duo-Beams are uniquely designed twin-driven antenna systems that multiply the Effective Radiated Power of any efficient 5-watt CB transceiver...to 42 watts using the Model 114DB...to 93 watts using the Model 116DB. This tremendous increase in Effective Radiated Power (the only true measurement of antenna performance) means vastly increased range. At the same time, unparalleled directivity and over-all gain produce substantially increased receiving efficiency. For power...for range...there's nothing on the market that begins to compare with new Hy-Gain Duo-Beams.

**360 DEGREE DIRECTABILITY OF
MAXIMUM SIGNAL POWER**

Powerful new Duo-Beams are rotated mechanically allowing you to pinpoint your extra power in any of the 360 degrees surrounding your station - no compromise - no "dead spots" - no contacts, relays or switches to corrode or fail. For the Model 114DB, a standard TV rotator will do the job. For the Model 116DB, a heavy duty TV rotator is required.

RUGGED CONSTRUCTION

No stone was left unturned in building top quality into new Hy-Gain Duo-Beams. Heavy gauge all aluminum construction - built to withstand winds of 100 mph with all hardware multi-color iridite treated for lasting durability. They come complete with coaxial phasing lines pre-assembled for easy installation.

*For greatest possible range - for 360 degree pinpoint accuracy...
 get a **NEW HY-GAIN DUO-BEAM***

FREE

Technical Data/Comparison
 Report on new Hy-Gain Duo-Beams.
 Send for your copy today!

Available now from your Hy-Gain Distributor
HY-GAIN ELECTRONICS CORPORATION
 8445 N.E. Highway 6 - Lincoln, Nebraska



THEY'RE
SELLING
LIKE
HOTCAKES

GENERAL 24 CHANNEL

SUPER MC-8

Complete with microphone, 110 V AC cord, 1 transmit/
receive crystal, Channel 11, and instruction manual. **199⁵⁰**

Once again General has produced a new and original design to set the pace for the entire Citizens Radio Industry. The new 24 Channel Super MC-8 with Turret Tuning is years ahead of the field. Its 30 watt construction and super sensitive dual conversion receiver are the result of many years of development and testing.

General CB equipment has long been recognized as the industry standard of engineering quality and performance. A good example is the rugged VS-6, built for continuous heavy duty performance under the most severe conditions. The remarkable SS-5 Silent Service "squelsches" interfering conversations to give you your own private call system.

Move up to the professional level in CB radio. Try these outstanding units at your General Dealer today or Write General.



VS-6



SS-5



GENERAL RADIOTELEPHONE COMPANY

3501 West Burbank Boulevard, Burbank, California

Telephone: 849-6891, Area Code: 213

WIN

A 615-B
MULTIFUNCTION
BRIDGE



FREE IN GENERAL'S
MONTHLY DRAWING!

May Winner:
John Sullivan KB19265, Long Island, N. Y.

Name _____ CB _____
 _____ Call _____
 Address _____ Ham _____
 _____ Call _____
 City _____ State _____
 My CB Dealer is _____
 Dealer's Address _____
 City _____ State _____

My CB Club is _____
 Club Address _____
 City _____ State _____

Good for JULY drawing ONLY (\$9)

License and operational requirements subject to Part 95, FCC Regulations.



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

Controlled Circulation Postage Paid at New York, N. Y.

62M13-64DEC 65

AL BROWDY-1103968
 1962 S STEARNS DR
 LOS ANGELES 34 CALIF