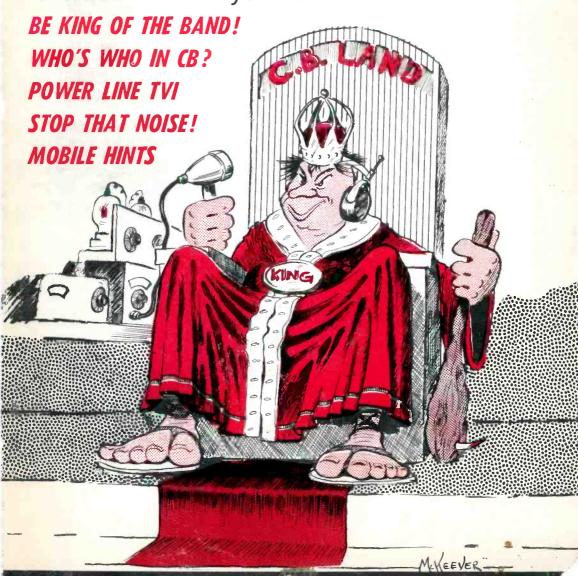
SPECIAL SECTION: CB INTERFERENCE



FEBRUARY 1965

the citizens band journal



The OFFICIAL CB RADIO MAGAZIN

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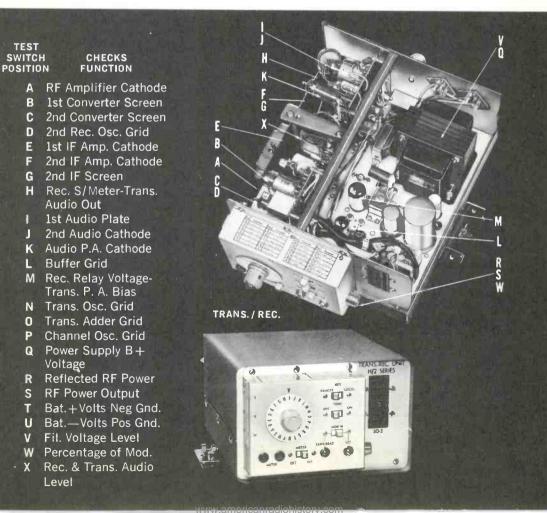
a\sensitive and selective dual conversion receiver combined with a highly stable and efficient transmitter. The 23-channel crystal controlled transmit and receive frequency selector circuits are housed in the remote console. • Features include a new delayed / expanded AVC, new speech clipper/filter amplifier, new built-

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PEATHDEC

Vol. 5, No. 2

February, 1965

the citizens band journal 14 Vanderventer Ave., Port Washington, N. Y.

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Washington Outlook	. 56	prod. mgr.	Cary L. Cowan, KBG4036
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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. 11050Telephone: (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: \$9, 14 Vanderventer Ave., Port Washington, L. I., N. Y. 11050.

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READER MAIL

DEFECTIVE DETECTIVE

How many CB'ers purchase a brand new set only to find that there is something wrong when putting it on the air for the first time? Within the past two years I have purchased three sets at different times only to find some minor, but annoying, defect in each. My case is not unusual and many others will back this

When purchasing a new set many of us have to travel a considerable distance. In the instance of a defect it is therefore not only a time-consuming hardship to make the trek to the CB dealer all over again, but it is even more difficult to have to be without the CB rig you had purchased to enable you to communicate. Buying a CB rig can be like buying a car-once you pay for it it's yours for keeps. Many of us, to save time and trouble, take the defective rig to local repairmen for patching up, and while this usually corrects the problem, it also voids the set's guarantee.

So please, Mr. Manufacturer, please give each and every set you ship a careful bench check instead of a quick once-over lightly. I know that some manufacturers take great pains to make certain that all of their rigs must pass a stiff operating test before being placed in the box (one manufacturer I know puts the sets through an unmerciful third degree and I have never heard of one of these sets failing to operate perfectly right from the box). The other manufacturers know who they are, and this

letter is addressed to them.

Fred Bastian, KKD7444 (ex-KBG7116) Wallkill, N. Y.

HOOKED ON SKY HOOKS

As a new CB'er, I'm extremely pleased with your articles on building home-brew antennas. Keep them coming.

Ray Busick, KLK5955 Covington, Ind.

We'll keep them coming as long as we have some antenna home-brew antennas in our manuscript file. What about you readers who have devised your own antennas for base and mobile use. Write them up (it's easier than you might imagine to be a writer), send them in and become one of CB's immortal authors. If you can, snap a picture of the thing. And don't forget, S9 pays top rates for all articles published-on any subject.

NEWSSTAND BLUES

Dear Tom,

I always enjoy S9 and have bought as many copies as possible over the past few years-I missed a few as they vanish from the newsstands as soon as they go on sale here.
R. C. "Digger" Shanks, KCI1386
Columbia, S. C.

Sirs:

Enclosed is 50¢ to cover costs of your last issue of S9. All of the newsstand copies of S9 in the Utica-Frankfort area are sold out. To buy a copy of S9 here means participating in a wild stampede on the day it goes on sale.

Komical Kube Box 241 Frankfort, N. Y. 13340

As mentioned previously in S9, we have upped our newsstand copies by quite a few thousand per month. Apparently we can't keep up with the demand (while flattering to the ego, it, nevertheless, creates many local problems with potential readers). It's still so much cheaper to subscribe than to buy them indi-vidually that it's difficult to understand how anyone who reads S9 each month puts up with the monthly newsstand hunt. Being a subscriber brings you S9 for less than 42¢ per copy, it gives you free decals, membership certificates, entitles you to get special advance bulletins regarding FCC flashes-and a survey showed us that about 80% of our newsstand readers have not intentionally missed any of the past 12 issues. Oh well, some people insist on doing things the hard way.

IN GENERAL

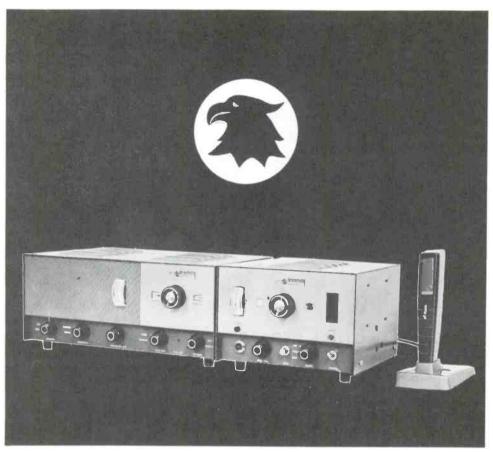
Dear KBG4303.

A few random thoughts. I like the SWL column very much, I have been listening for quite some time now. I monitor the Coast Guard frequencies 2182, 2662, and 2670 kc/s on a 24-hour basis for our local REACT Team, and in many instances we have helped out vessels in distress. The receiving gear here is a National NC-46 and a Hallicrafters S-41W. So far I have copies USCG stations in Goose Bay (Labrador), Alaska, New Orleans, Hono-lulu, and Galveston. I have also swapped QSL's with 56 of the foreign swappers listed in your August issue. I received a new address of a swapper which I would like to pass along: OK-2-3316, Pavel Parak, Zukalova C.14, Opava, Czechoslovakia.

Robert J. Deming, KFD4865 Pacifica, Calif.

Readers who swap QSL's with foreign stations are reminded that it is common courtesy to enclose an "International Postal Reply Coupon" with the swap request. These "IRC's" are sold by most post offices in the free world and may be exchanged in any other post offices in the free world for sufficient postage for the other station to send you a reply. Many, in fact most, foreign swappers ignore requests which do not include return postage-they receive hundreds of swap requests from Americans and Canadians and could not possibly ever hope to finance the postage it would take for them to answer them all without the return postage subsidy. And remember, boys and gals, these foreign stations have many North American cards—they can live without you. If you want a card from them it must be on their terms

More people read more things in S9!



My name is Browning Eagle and I've got a secret.

Shhh! If you would like to belong to the world's most exclusive CB radio club, just write to us and we'll send complete details and a free copy of our latest catalog. Recently someone wrote and asked, "Is the Browning Eagle base station expensive?". Heck, no! Not when you consider that you're buying the best there is. Everything's built in, no extras to buy. The Eagle gives you more features than any other make. You can send and receive over greater distances on the same amount of power. It's a depend-

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editorial

KBG4303 rides again!

by TOM KNEITEL EDITOR, S9

FIZZLE?

Last December's editorial was entitled "Weak Little Minds" and was concerned with the small but violent segment of the ham radio brotherhood which is comprised of gnarled fuddy-duddies who hate CB'ers solely for lack of something better to do with their energy. That editorial had a dual purpose. It was mainly intended to be a brief discussion of a subject which is (or should be) of interest to CB'ers. Secondarily I was hoping that it would act as a catharitic to elicit some typical comments from these fellows so that you could see, by their own words, exactly what many CB'ers face when entering these isolated regions of the ham world.

A smattering of letters from the angry legions did arrive here, none with any really new thoughts on the subject-they all said the same thing: "CB'ers are stupid," "You guys don't do anyone any good," etc., in other words, the same old schtick we've been hearing for years now. The only hornets nest to be stirred up was actually in response to an editorial in the October S9. That editorial brought forth upon this premises the club bulletin of the Tallahassee Amateur Radio Club (Florida) which devoted about 90% of its text to a scathing, irrational, and badly spelled denunciation of CB'ers in general ("CB'ers show a total lack of respect for the privledge [sic] they have been given) and S9 in particular ("If you are like most hams, you wouldn't be caught dead with a copy of S9, even if you know it exists."). The writer called us "vigorously anti-ham" and went on to say that we seem to be a "loud proponent for the creation of a class of exam-free radio amateurs." No specific examples for the basis of either charge were given, although how anyone can merely seem to be something while loudly talking about it escapes me (either you seem to be because you are hinting at it, or loudly proclaim it because you have taken a definite stand on the subject).

Well, this whole train of thought from the Tallahassee Amateur Radio Club was the perfect example of the attitude I wanted to show you—in fact it is typical of most of the so-called "nut mail" we receive here (right down to the always present request that the particular piece of writing be run in its full text in S9). As an interesting sidelight, one member of this ham club wrote to me privately to apologize for the apoplectic rantings of their esteemed spokesman in the club paper.

Anyway, we didn't get the volume of response expected, so either the violent "hate-CB" contingent of ham radio is smaller than I had imagined, or else these fellows figure it's easier to condemn CB over the air than to write about it. I prefer to think that it's the former rather than the latter. Ham radio is too fine a hobby to have even one bad-will ambassador to discourage potential newcomers. Come to think of it, the author of the Tallahassee editorial has already said that "If you are like most hams, you wouldn't be caught dead with a copy of S9 . . .". Since he has become a critic of S9, we can assume that he has been "caught" (alive, hopefully) with a copy-hence, by his own definition, he is not like "most hams."

By the way, many of S9's "stupid CB" readers are hams.

LICENSE FEES

Amidst all manner of protests and court appeals, it certainly looks as if the \$8 CB license fee is a permanent fixture of our service—yes, it is an unrealistic price to pay for a license (especially when compared to the fees in other radio services); yes, for your \$8 you should be allowed to have many more operating privileges than you are now given—you must know all of the bad things about these fees because if you

Continued on page 57

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February 1965 • 7



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KING OF THE BAND

by CARL W. McKEEVER, KHC7850

The following article turned up at our offices in a very sedate brown envelope. For several days we had no idea of the wild things contained, however the envelope eventually started to twitch and smoke after a week of sitting in the manuscript file. It is our hope that it will create some twitching in those areas of CB to which it refers. The author has really jabbed the old needle into some exposed and sensitive nerve endings of CB operations and has created an article of subtle humor coupled with an understanding of the situations referred to not heretofore seen in any publication. Hope you agree.

By the way, the author of this article is responsible for the cartoon on our cover this month. The illustrations appearing with the article were done by "Rodrigues," a top-noth professional whose work appears regularly in Electronics Illustrated, Popular Electronics, and

other publications.

KBG4303

It has been brought significantly to my attention, these past months, that the great majority of the 700,000 license holders in the 27 megacycle group, do *not* know how to obtain the maximum enjoyment of their Citizens Band radio equipment.

One need only to listen to determine that a very sparse number of CB'ers in each community are hep to this maximum enjoyment routine. We will discuss some of the more successful methods of this few so that all may participate.

First, one must realize that the use of Citizens Band radio for practical communications is secondary, if, indeed, of any importance at all!

Maximum enjoyment comes when the medium is used to promote the user to a predominant position in the CB community, to raise his prestige and illustrate his superior electronic knowledge along with his ability to circumvent legal obstacles.

Secondly, to qualify, one must have a desire to be the "Top dog"—an uncontrollable obsession to dominate the scene! If you can not, through some psychological quirk, admit to this goal, I fear you are doomed to a CB world of clean, efficient, practical communications and will therefore be destitute of local recognition as a dominant station.

There is no glory in practicality. To be outstanding you must differ with the conventional. You must, by all means, dominate.

There is nothing very spectacular or dominating about five watts. The vast majority of the

Illustrations by No drugue

700,000 still operate with five watts or less. There is, of course, some type of FCC ruling limiting the wattage. Also, a great many of the 700,000 finesse their equipment to such a high degree of efficiency that, even with only five watts, they will out-range and out-receive the more spectacular stations.

We shall forget these quiet, efficient, rangy stations for it is certain that they will slide into the bottomless chasm of nonentity.

They are not the stations that are repeatedly discussed at club meetings or coax pinning conventions.

It is far more exciting, and a great deal more progressive, to be the main topic of discussion at a midnight meeting of red-faced, tight-lipped, incensed CB'ers, with wire cutters in their hip-pockets.



"I'm using a 6 volt rig on a 12 volt battery—my tubes don't last long but I figure I'm putting out a whopping 8 watts . . ."

The use of only five watts or less demonstrates a fear or, at best, respect for the FCC rulings. Even worse, it may be construed as an indication of respect or even courtesy for other CB'ers. It is obvious that one cannot attract full attention if he abides by FCC rulings and one can certainly not dominate an area if he extends any courtesy.

Don't be weak. Get going hard. Always remember, the more stations you can clobber, the more you will be talked about. This is free publicity and you need it to advance your career as the most recognized and most domi-



"Do me a favor, Charlie—stop calling me every day to find out how you're coming in!"

nating operator in your area. One can not be-

come a star without publicity.

Wide open modulation is a very important source of enjoyment and will greatly increase your notoriety. Many, many CB'ers have installed power modulators but have failed to use them to gain recognition. They merely use them to increase their effective range. These are being operated at only 25 to 30 percent of their maximum output. This does, naturally, increase their effective range, but, it delivers a nice clean, easily understood signal with no spurious side effects to present the power-house image.

This is FOOLISH! Run it wide open! Of course nobody will be able to understand a word of your transmission but *nobody* will

sound as powerful.

Wide open modulation has some very interesting and useful side effects which will greatly aid in the advancement of your career.

Coupled with a significant increase in wattage, wide open power modulation should enable you to blank out all the receivers in your immediate area. With a little hap-hazzard screw-driver work, you should be able to get some modulation on all 23 channels for several miles out. You will then be taking out about six channels for an additional two or three miles.

Assuming that your area is about as populated with CB rigs as mine, you should be now wiping out about 50 rigs completely, and rendering an average of 6 channels useless on an additional 200 rigs. A little mathematics show a total of 2350 local channels which you can now dominate at will. Not Bad!

This will certainly cause the lesser CB'ers to sit up and take notice of your prowess over the CB community.

There are ways to determine if over-modulation is working well for you. If it is, you will very likely begin to receive timid little landline calls saying that "you are splattering a little." Should this happen, tell these obnoxious little nobodys to get their receivers tightened up. Also a couple of the more bold locals may suggest, on the air, that you are off-frequency. If this should occur, turn your modulator and linear full on and recite the Gettysburg Address. This sustained blast of incomprehensive raucous power should be sufficient to subdue the most aggressive of these small-timers.

Antenna height is another source of enjoyment and very purposeful when properly done. high antenna does not contribute much toward the audio power of your station but it is visible and does raise your prestige in direct proportion to its height. It is assumed, among some of the technical minded CB'ers, that a prescribed height such as one wavelength, brings the antenna to a matching impedance, lowers the radiation angle, and causes the directional antenna to become more directional. This may be true, but it does absolutely nothing for their prestige. So, get that antenna up in the air if you are going to get the most from it. Incidentally, the higher you go, the more ORM you will encounter but nobody will know it but you. The road to fame is not through your receiver-it's through your transmitter. In other words, it is not what you can hear, but rather, how many can hear nothing but you!

This is, perhaps, the place to warn the carcer operator that he may receive an occasional obnoxious little slip from the FCC suggesting that he is guilty of certain alleged malpractices. These are simply designed to impede, or if possible halt, the advancement

toward CB fame



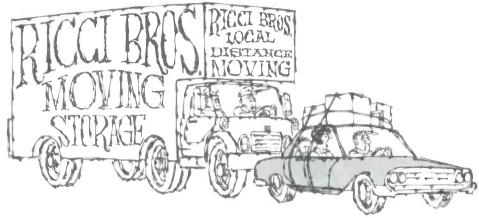
"Dear Sir; you are cited for violating FCC regulations in communicating with a Citizens station in Seattle. P.S. Congratulations, your 2200 mile hop is a new record."

One can turn these little instances to an advantage by showing the citations to a select few of the local yokels. (It is most dramatic to do this in a furtive fashion.) The word will soon spread and the locals will be awe-struck by the impunity with which you by-pass these obstacles. This will greatly enhance your prestige! It may even be whispered in dark corners that you have a few strings attached to Washington. If so, you have passed the first milestone on the road to becoming an unqualified success.

Should the FCC continue its harassment of your career, your license may be, eventually, revoked. There is one accepted face-saving maneuver that you should execute immediately.

DO conduct all modulation, linear, and antenna tests on the monitoring channel. This demonstrates the tremendous power and versatility of your station to all. An unidentified dead carrier is always a winner—it creates a fantastic amount of interest in you.

DO be sure that all transmissions consist mainly of tests in which you continually ask the other end such things as: "how am I coming in now?" or—"is that any better?" and—"what did that do?" or—"do I have upward modulation now?" These transmitted questions suggest that you are applying your superior ingenuity to constant subtle changes in your gear to further improve its already outstanding superiority.



"Well, Mr. Phantom Dead Carrier, are you satisfied now?"

Before you are completely taken out, be sure the local CB community understands that you feel that you have gone as far as possible on II meters and you are now going to accept your general license and operate only as a bonafide ham. Of course you couldn't possibly get a license but they won't know this. Now, erect a huge tri-bander beam above your roof and take down your 11 meter antenna. The aura of mystery surrounding the great silent tri-bander will only increase your prestige and respect for your magnificent ability. Therefore, even though you are not on the air any more, in any manner, you are still the King-Pin. Don't forget to occasionally change the tribander's direction to maintain the illusion.

If, however, the FCC has failed in its attempt to shoot you out of the saddle, there are several do's and don'ts in operating procedures that should be strictly adhered to. This collection of procedures has been determined as the most effective, by continually monitoring the great powerhouses in my area.

DO at all times work only and incessantly on Channel 9, the monitoring channel. This will assure your being the most listened to station in the area.

DO conduct frequent tests, on the monitoring channel, consisting of a great deal of blowing and whistling into the microphone. This maneuver has the distinct advantage of not requiring a station on the other end—which you probably can not now get anyway. This is most effective if performed during severe snow and ice storms, or other calamities, when the channel could be used for emergency messages and signals from distressed mobiles. Your domination is best demonstrated in this instance.

DO be sure to get your transmitter going when ever you hear any base to mobile communications attempted. Keep yelling "Break, break!" This will knock out one or both units and will not permit the communications, erasing any doubt as to who controls the 11 meter band in your area.

DO NOT get involved in horizontally polarized transmission. This system is highly directional with a great deal of side and rear rejection. It is used by some of the technical minded lesser CB'ers for quiet efficient transmissions and has a range over 125 miles. The directional qualities make it nearly impossible to splatter the entire area, even with all possible over modulation. Even worse, you can

what qualities to look for in a CB microphone

If you're an active CB'er, there are three qualities you should expect in a good CB microphone - convenience, durability, intelligibility. Sonotone Ceramikes T combine all three at a surprisingly low cost. CONVENIENCE-Center positioned, push-to-talk switch can be used for left or right hand operation. The Magnet Mount permits you to place the microphone anywhere on your dashboard without groping. DURABILITY-Light, shorttravel switch tested to last over 100,000 contacts. A rugged ceramic transducer with a sturdy ceramic bimorph element held in a floating or living suspensionshock-mounted in neoprene rubber. INTELLIGIBILITY - Specifications point up the sharp and clear transmission you achieve. Finally, a most pleasant surprise, the low cost. The new low impedance 'CM-3050' designed to bring out the best in transistorized CB radios. \$15.00; with Magnet Mount, \$17.50. The high impedance 'CM-30' only \$14.00; with Magnet Mount, \$16.50.

Sonotone offers a complete line of Ceramikes for CB, PA and tape recording. See them at your Sonotone distributor. Write for free catalog SAH-76. Sonotone Corp., Electronic Applications Div., Elmsford, N.Y.







"Yeah, I realize that transistorized sets run cooler, Al, but tube sets have their advantages too."

not be heard by all the vertical stations and you will rapidly lose your predominance.

DO NOT become discouraged if nobody will call you, or, answer your call. This is to be expected. This does however present another fine opportunity. Simply, and frequently, call some hypothetical station in some town about 60 miles out. Carry on a conversation with your make-believe station. Now you really have the locals snowed! The horizontals with the range can't hear your make-believe station and will assume that it is vertical. The local verticals can't hear it and assume it is out of their shorter vertical range. Again, you are far

superior to the little stations!

DO develop your "on the air image," that is, see how loudly you can eat an apple or slurp coffee next to the mike. See how many ways you can use the expression "10-4," or, if you have been licensed for over a year you are entitled to use the expression "a big 10-4." Teach your wife to shout witty comments from the other room while you hog the channel. Be identified with a unique and original "catch phrase" such as "what can I tell ya," "oh my achin' back," or "mamma mia." Best of all, you must have a callsign which could not possibly be confused with any other CB station. For instance, if the FCC assigned you a "KBG' prefix, you must identify yourself as "Kelly's Bar and Grill," other combinations are possible, and anything with an off-color flavor is preferred. Top all of this off with a loud raucous laugh, frequently interspersed in the proceedings, and you have created for yourself your own on the air image and personalitywhenever your carrier appears, everyone will immediately give the channel over to you for your exclusive use.

Continued on page 58

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INCREASE PERFORMANCE QUALITY ENGINEERED with ND MOIL



Giant Q-11 BASE STATION CUBICAL QUAD

For Class D, 27-mc operation Light but rugged, it increases CB range. SPECIFICATIONS: 8 db Forward Gain; 40 db Front to Back; 52 ohm coax Feed; horizontal or vertical polarization; Longest Element, 9'3"; Boom, 651/2"

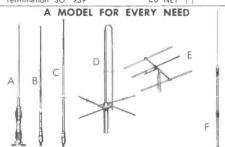
CB-5 GROUND PLANE

Half wave gives more gain than 1/4 wave without bulky transformers. SPECIFICATIONS: VSWR (50 ohm cable) 1.3:1 • Bandwidth (under 2.1 VSWR) + 4%

• 750 watts max. power input • 50 ohm nominal input imp

. Intnl. feedline RG-8A/U Termination SO. 239





A CB-1 Air Sentry "Shorty" - 23" overall with 18" whip — top loaded fiberglass — complete with 1095 spring, mount and 12 ft. coax cable. For auto CB use.

B CBS-311 mounts on top, fender or trunk lid. 52 ohms, 60 watts, RG 58 or equiv., 1.5 mc min., **5** 25 1.1 to 1 at resonant frequency. For auto, plane or boat.

FG-103 universal 103" fiberglass whip with 3/8" x 695

24 thread base fitting. (Not Shown) 100-1035 Stainless Steel 103"

with 3/8" stud threaded to fit all mounts. D SR-600-11 base station monopole for 11 meters. 2450 Radiating and ground plane elements grounded to reduce lightning damage. Write for specs.

E SR-500-11 3-element beam antenna with power gain approx. 21/2 (8DB) in forward direction — about 2495 rear. Handles up to 1 Kw input. 11 Meters

F CB RANGE BUSTER with stainless layover extension weathered-sealed center loaded coil. Universal installation. CB-35 6' 33", 19.95; CB-29 104" to 119", 15.95; CB-32 83" overall, 16.95; CB-33, 57" overall, 16.95.



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232		232C	232	Series	445
BASE					
MOUNT		DI	ESCRIPTI	ON	CB NET
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		Spec. St	aihless		14.95
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				onn.	10.85
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GUTTER MOUNT CG-275

Eliminates hole drilling. Positive locking, retractable and adaptable for any 3/8" 24 thread whip. 7 95 NET



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LOS ANGELES, CALIF.



Meet "Miss S9"

WINNER OF OUR CONTEST

A few months back we ran a "Miss \$9" contest—we were looking for a pretty gal CB'er to help display some new CB gear. The entries poured in from Florida to Fairbanks, from Ottawa to Oahu. The S9 staff spent a few enjoyable afternoons trying to select a winner, but we knew that eventually we would have to make our choice. By a merry coincidence, our Miss \$9 happens to toil away in the electronics industry, being a secretary at the Raytheon Company's Patent Department in Lexington, Mass. We thought you'd like to know a few facts about one of the better looking members of our CB fraternity (or is it sorority?), so here's who won the vote.

Whether on the air responding to 1Q7422 or fielding telephone calls for Raytheon's Patent Department, lovely Lyn Lester comes through just fine. Lyn, our new "Miss S9", is close to CB activities at Raytheon Company's Executive Offices at Lexington, Mass., where CB is used in company cars and offices.

Music-lover Lyn collects records—likes Barbra Streisand and Sinatra—and can accompany herself on the piano. A choir singer and poular vocalist, she once appeared on Milton Berle's net work TV show.

For those long lonely evenings between dates—and we don't believe this one bit—she is an avid reader. Loves to curl up with Harold Robbins ("The Carpetbaggers") or Herman Woulk ("Caine Mutiny," "Marjorie Morningstar," "Youngblood Hawke") or even Tom Kneitel (S9). During the week she bowls and on winter weekends you're apt



A Ford Mustang fan, Lyn communicates on her Raytheon RAY-TEL TWR-5 (you thought maybe she wouldn't use Raytheon CB gear?). She monitors CB channel 9 while enroute.



to find her dancing or out on the ski slopes at Mt. Snow or Wildcat.

On summer weekends Lyn spends most of her time at the family's cottage on the shores of Lake Winnisquam, New Hampshire. In addition to swimming and sunning, she monitors Channels 9 and 13 which are very active in this area since the state set up its emergency CB facility to serve boatmen and motorists in the Lakes Region.



And don't forget, guys, she monitors "9"—need a better reason to "switch to 9"?

Although she's *not* shopping for a husband, Lyn has her sights set for a "gentle gentleman." "I don't care about his income," she says, "as long as he's a hard worker and he's steadily employed."

Lyn has a coveted endorsement from her fellow workers at Raytheon. It's a real achievement for a pretty girl: she's the choice of the other girls as the most popular girl in the office! (And she has a few fans around the S9 offices too).

This kind of CB'er we like!

S9

WHO ARE YOU, FELLA?

Ever wonder about that CB'er who gave you road assistance recently—what is his occupation, what are his hobbies, does he swap cards? Or that cute YL you met at the Jamboree or club meeting—is she single? It isn't always easy to dig up this and other data on your CB acquaintances. Sure, so-called "callbooks" run reams of names and addresses, but if you have ever used them you would know that a great many of the listings are outdated or are messed up in other ways—and, at best, they don't give you any real information on the operator.

What about the possibilities of a "Who's Who" type directory of CB'ers; an accurate listing of the many pertinent facts about CB'ers—monitoring channels, club affiliation, previous calls held, etc. Why not gather this information via S9's facilities which give extensive coverage throughout the U.S.

and Canada?

We asked ourselves these questions, and as a result, just such a book is currently in production here at S9. We now need the information about you to include in the directory—and you are the only one who can give us this. To obtain this information, we offer here a questionnaire which you may complete and return to our offices so that we may "set you in type." This form will be published in the next three issues of S9, and CB clubs are requested to run it in their newsletters. If you don't wish to cut your copy of S9, you may duplicate the form in ink or typewriter. The deadline to have these back at the S9 offices is April 18th, 1965.

Each CB'er listed in the directory has a chance to pass along to the CB world a 50-character message (letters, numbers, and spaces count as one character). This message might be something like: "The coffee pot is always on," or "All QSL swap requests answered 100%," or "Let's swap tape recordings," or "Give us a buzz when passing through Omaha." We reserve the right to edit any messages which in our opinion are either in questionable taste or outside the scope and spirit of the publication.

We are making every effort to include in this directory only those CB'ers who are going to list accurate information and not make attempts at being funny with clever answers to the questionnaire. We are therefore asking that when you return the form, you enclose \$1 in cash, check, or money order (which will be put towards printing the book). This \$1 will be deductible from the final sale price of the book—so if the final price should turn out to be, say, \$3—those listed in the book would pay only \$2. Husbands and wives wishing two separate listings can submit both together for \$1.50 (this would still allow \$1 off the price).

In order to be listed in the 1965 "Who's Who in CB" Directory, do the following, and do it NOW! Fill out the form which accompanies this article (you may skip any questions which you don't want to answer), enclose \$1, send this to: "Who's Who in CB," % S9 Magazine, 14 Vanderventer Avenue, Port Washington, N. Y. 11050. Remember, the faster we get this information from you, the faster we can go to press!

"WHO'S WHO IN CB" QUESTIONNAIRE

IT IS NOT NECESSARY TO ANSWER EVERY QUESTION, BUT PLEASE TYPE OR PRINT PLAINLY IN INK FOR ALL QUESTIONS YOU DO ANSWER. TO BE LISTED IN THE 1965 "WHO'S WHO IN CB" DIRECTORY, RETURN THIS FORM AS SOON AS POSSIBLE (BUT NOT LATER THAN APRIL 18th, 1965) TO "WHO'S WHO IN CB," c/o 59 MAGAZINE, 14 VANDERVENTER AVENUE, PORT WASHINGTON, N. Y. 11050. ENCLOSE \$1, WHICH YOU MAY DEDUCT FROM THE FINAL SALE PRICE OF THE BOOK SHOULD YOU DECIDE TO PURCHASE IT.

	_, Name:		
Address:	5		T I M
			, Tel. No
Wife/Husband's name:		, Do	you swap QSL's? Yes □, No □.
			, I monitor channel:
			, band:
			count as 1 each); all messages

*se-lec-tive(sǐ lěk/tǐv) ad having the function or power of selecting; making selection characterized by selection. 1 Radio.having good selecti

TACT! - 23 *CON

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. Now, for example, when you tune Channel 7, you get Channel 7 — and nothing else but. Once and for all, you triumph over adjacent channel interference.

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- · Fine tuning
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- 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



Illuminated, angled front panel.

Illuminated, angled front panel.
23-Ch. tunable receiver with illuminated dial. 8-Ch. crystalcontrolled transmit & receive.
1-Ch. external crystal sockettransmit & receive. Transistorized power supply. Illuminated S & RF meter. Crystalspotting. 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

23-Ch. tunable receiver with il-

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 and DC cords, 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.





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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-totalk Easy access for crystal changing 	\$119.95 \$6.00 MONTHL' MANY DELUXE FEATURES: ALL CHANNEL TUNING 12 CHANNEL TRANSMIT CRYSTAL SELECTOR UNIQUE CRYSTAL "SPOT- QUICK" CONTROL
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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	IMPROVE CB RECEPTION SATISFACTION GUARANTE \$11.95 CB Preamplifier Model NA-27 NewCompactCB PreamplifierGuaranteed to improve reception of any CB receiver. Uses two 6CW4 nuvistors offering up to 200B gain on RECEIVER SIGNALS. Ready-to-install into any CB unit. MONEY-BACK GUARANTEE!

CLIP AND MAIL

CLIP AND MAIL

FIND THAT NOISE! SPECIAL CB

LOCATING POWER LINE INTERFERENCE

One of the most common sources of radio interference is the electrical power distribution systems, particularly overhead power lines. Experience is an important factor in locating such interference but luck and a systemized method will greatly aid the investigator in his search. The necessary tools are a general coverage receiver, battery-operated portable or mobile equipment. loops for various bands, a sledge hammer

ume that a meter will readily indicate. There are three means by which energy travels; conduction, induction and radiation. Figure 1 illustrates how interference can be

and an output meter. The ear is not sensi-

tive enough to detect slight changes in vol-

radiated and inducted.

Conduction is the term used when energy flows along the lines, through the transformer and into the receiver power supply. Induction occurs when the power line carrying the interference is near enough to the antenna to couple the interference into the receiver. Radiation describes the energy sent into space from the overhead power line which then act as a transmitting antenna. In this way the signal can be radiated from a nearby fence, metal building, or other power lines. Radiated interference does not travel along a line any great distance but covers a broad area on both sides of the line. Conducted interference decreases with distance but in a more complex way and conducted and induced energy may follow a line for many miles. Interference of this type is common in rural areas.

Impedance changes in the line will cause noticeable changes in the width of the area affected by the induction field. Figure 1 shows, relatively, the area affected by direct radiation from the source of interference. Radiated interference does not rely on the power lines to carry the energy and conse-

quently affects a broader area.

Power line noise is chiefly due to three factors: 1. Defective insulation in a piece of equipment. 2. Loose connections in the primary or neutral circuit. 3. Leakage due to an ungrounded piece of hardware which is too close to a grounded item. The repair and correction of the trouble is the responsibility of the power company and no ad-

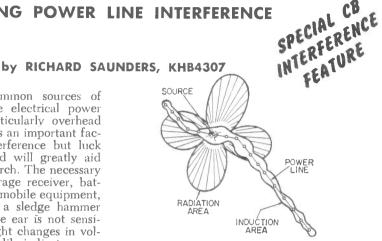


Fig. 1. Approximate areas affected by radiation and induction. This sketch originally used by Navy Civil Eng. Lab. publication.

vice will be given here on that subject. Warning ... do not attempt to correct the

trouble. Stay off the pole.

No expensive gear will pinpoint a source of interference or identify the trouble. A plan usually must be followed, and at times it can be a long procedure. The isolation of an interference source is the result of gradually narrowing the suspected area. When a suspected pole is located hit it with a light tap of the sledge at first. Quite often the noise will disappear immediately. In all probability you have isolated the interference source. If no change is noticed, strike harder, and observe any delay in response. If the trouble is not on the pole which you are striking, but a change is detected, it indicates that the shock affected a more distant pole. The longer the delay in response the more distant the faulty pole.

Standing waves on the line may mislead you in locating the source. This is characterized by the maxima and minima in signal strength as the car is driven along the power lines. (If possible, maintain the same distance between car antenna and power line at all times.) Peaks appear in equal strength at intervals of 400 to 500 feet for 800 kc and closer together at higher frequencies. On eleven meters the standing waves will appear every 25 to 50 feet and the distance between standing waves decreases as the source is approached. They will eventually appear every ten feet or so. However, in some cases the proximity of the interference source is not always indicated when closely spaced standing waves are apparent, but, it

is the rule rather than the exception. Locating power line noise is tricky, and rules and theories cannot always be relied upon 100%.

There are many sources of power line interference and the most common are conductors, insulators, hardware, utility equipment and "foreign lines." Conductors include the line wire, the tie wire (they hold the power line to the insulator), ground wires and connectors. Lightning arrestors are also a common source of trouble, and are responsible for two types of interference. The first is the intermittent spark discharge due to high-voltage breakdown at a given point. This condition frequently occurs during high winds. This type is not only very annoying but is also very difficult to locate due to its intermittent nature. The second type is a localized corona discharge due to the air becoming ionized in the vicinity of the conductor. It is much easier to locate due to its constant buzzing sound. Spark discharge also occurs when corrosive material such as salt deposits, sand or other foreign matter intrude and form a path between a conductor and some other metalized part on the pole. As the voltage increases during the cycle the value is high enough to cause the insulation to break down for an instant and discharge through the low resistance path. This type of interference is coupled into the line which will in turn conduct and radiate. Corona discharge occurs when the voltage at a conductor surface causes the air near the conductor to ionize. Other ions are formed and, since they are charged particles, their motion through the air establishes a current flow from the air to the conductor. This type of interference is not difficult to locate. In some cases it may even be visible at night.

INSULATORS

Interference due to faulty insulators is similar to that caused by conductors. Breakdown can occur in several ways; leakage paths caused by dirt, salt or moisture on the insulator, by a crack in the glazed material on the insulator, or when the insulator is loose on the insulator pin. Interference has occurred where a grounded neutral wire was installed on a bare metal bracket without an insulator. In factory and industrial areas, fumes, dust and other foreign material collect on the insulators and cause interference. In regions where there is sufficient rain to keep the insulators clean, interference normally does not develop.

And now, hardware; one of the greatest causes of power line interference and creator of the most difficult types to locate. This includes crossarm braces, bolts, nuts, wash-

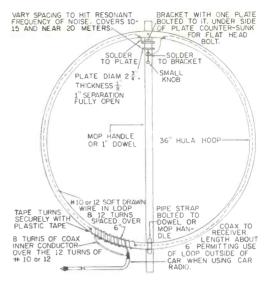


Fig. 2. Suggested arrangement for 11 meter loop. 8 turns of 72 ohm coax wrapped over the 12 turns of #12 rubber covered, soft drawn wire. Remove enough shield from coax for 8 turns. Do not remove center conductor insulation except at tip. This is soldered to end of shield at beginning of coax turns. The #12 wire is easily guided through holes drilled in hula hoop with aid of icepick. The loop will tune from 18 to 30 mc.

ers and staples or any other metal item on the pole. The noise is usually intermittent and due to a small gap, poor insulation or the corrosion previously mentioned. The hardware is located in the midst of a strong electric field. Often, correction can be made by merely moving a wire a few inches, tightening the bolts on the crossarm or driving a staple into the pole which may have worked loose from a ground wire.

UTILITY EQUIPMENT

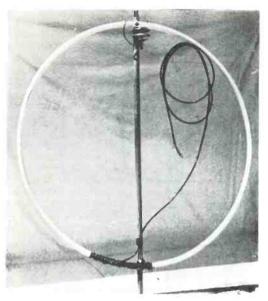
This type of interference is caused by other than faulty construction or failure in poletop components. Vacuum cleaners, motors, household appliances and many other types of equipment can be the cause. Neon signs are the No. 1 source of radio interference in this category and quite easily located.

Also of concern are foreign lines not connected directly to the power lines; such as a military installation that might maintain their own power generating system. Interference from such a source can be detected for a considerable distance by radiation and induction but not by conduction as the lines are not tied in with the local power system.

LOCATING THE SOURCE

The writer has found most sources of

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



The 11 meter loop made of hula hoop and the XYL's mop handle. Note neutralizing capacitor near top for tuning resonant frequency of noise. Inductive coupling of coax feedline to loop can be seen at bottom. See Fig. 2 for construction details.

trouble with an eleven meter loop by circling a fairly large area and working toward the center. Triangulation is another method that can be employed. The sketch shows 11

meter loop in Fig. 2.

If the source of interference is not on the power line, the directional antenna will indicate the direction from which the noise originates. If it appears that the noise is originating on the lines the loops will not indicate the direction from which the noise is radiated unless a strong signal is present. The use of the output meter, and traveling the neighborhood in your car will direct you to the general area. When the signal appears to be strongest change to other bands. Often the disturbance will be heard on more than one band. This is an excellent indication that the faulty pole is close by.

There are many confusing factors that must be contended with in hunting power line interference and one of the most misleading is the change in line impedance which will cause new standing waves, which in turn may cause an increase or decrease in interference voltage. This impedance change may be due to taps on transformer primaries, changes in the height of the line and "deadend" lines where an extension line has been constructed from the regular line of poles. Usually, but not always, the pole which seems to transmit the loudest signal

is not the one from which the trouble is radiating. Your receiver and meter may indicate an increase in signal strength when you approach from opposite directions, and a notable decrease as the suspected pole is neared. This is due to the fact that a source on the line is placing interference into the line in both directions with the result that the impedance to the interference source is low at that point.

Be alert to pieces of wire that children have thrown into the air and that have become entangled in the wires overhead.

Familiarity with sounds will be helpful to the investigator although this comes with experience. A hissing sound might be corona. Defective insulators may sound buzzy or perhaps exhibit a heavy rasping noise. Loose hardware can cause both an intermittent buzzing and a popping noise, depending on the proximity of the offending wire and the wind gusts.

Most CB'ers are familiar with neon signs

and appliance noises.

I had one baffling experience which had no answer. The interference was traced to a particular home. The main switch was pulled, the noise ceased. Each and every individual appliance was disconnected but the noise continued. After several exhaustive trips through the house the source was located in the fishbowl pump which was radiating for two blocks.

Another source was traced to an outdoor doorbell transformer that was faulty.

A high-voltage transformer in a TV set was the source of interference to a hi-fi set.

Be sure to check the electric meter outside the home. These have been found to cause trouble. Thermostats, Christmas-tree accessories, medical apparatus, traffic lights, etc. There are many sources of interference, many of which are unjustly attributed to the power company.

Interference can be caused by electrostatic discharges from unused power lines which are in the electrostatic field of a power system. Lines which are temporarily or permanently disconnected from the power system should be grounded at regu-

lar intervals.

Never attempt to climb a pole. If you shake a guy wire do it gently. A slight shake will suffice and if the action is violent it can cause two wires to contact each other, burn in two and fall to the ground seriously burning or electrocuting a bystander or yourself.

After you believe you have located the trouble notify the local office. Remember,

they want their lines clean, too.

EXCITIGATED?



YOU CAN JUST BET WE ARE...

'cause we're set to go with the

BEST CB MOBILE IN THE WORLD!

If you're a little curious about TRAM'S new all-out development, write us and we'll send you the advance dope, quick-like-a-bunny!



The following disclosure paragraph is in compliance with request by Federal Trade Comm.: "F.C.C. station license required. All use must

"F.C.C. station license required. All use must conform with Part 95, F.C.C. regulations. Hobby-type communications or aimless small talk prohibited."



Where It's Habit To Improve

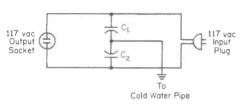
STOP THAT NOISE!

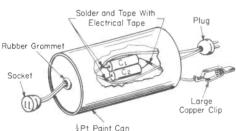
HERE'S HOW TO END IT FOR GOOD!

by VAY S. MEER

If you want to have a go at putting together some power line interference eliminators, here are some handy gadgets which CB'ers have used to torpedo such interference. None are radically new, they are all tried and proven devices.

For instance, we had a sticky problem with an oil burner causing a racket to CB communications. We used the following noise eliminator with excellent results.





Capacitors C₁ and C₂ are both .25 ufd 600 volt types, and the entire circuit may be housed in a small metal can (such as a quarter pint paint can), as in the illustration. Make certain that all connections are soldered and well insulated with electrical tape. The wires which pass through the holes in the can should be protected with rubber grommets so that the metal from the can will not cut through the insulation and cause a short circuit. I suggest that you use heavy duty insulated electrical wire and use a large copper clip to ground the unit to a cold water pipe. The gadget gets connected directly between the errant oil burner and the wall outlet.

If you are *still* experiencing noise in your CB receiver you can try this device (which should also help you rid yourself of just about *any* noises coming through the power lines—even if they are not being caused by electrical appliances within your home).

Using a small plastic pill bottle as a con-

R GOOD!

SPECIAL

SPECIAL

INTERFERENCI

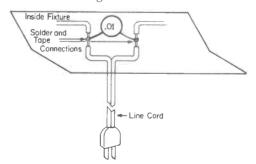
FEATURE

To CB Rig

OSufd
600v.

tainer for the circuit (or a plastic tube for holding stacks of 50¢ pieces-these tubes are sold by most coin shops), the whole deal consists of the circuit shown in the accompanying illustration. We also obtained satisfactory results using a .001 ufd 400 volt capacitor as a substitute for the one shown in the diagram. Solder and tape all connections. You can use regular lamp cord ("zip cord") for this one, which is installed in the power cable going to the CB rig. If the appliance which is causing the noise is a small one located in your own home (such as an electric razor, fan, etc.) you can use a second one on the power cord of the appliance for double protection.

Perhaps the most common cause of household power line annoyance is the buzzing caused by the common fluorescent lighting fixtures in kitchens, and also in desk lamps. This interference is easily cured, that is, unless the lamp happens to be within a few feet of the CB rig.



To quiet down the noise from fluorescent desk lamps, first pull the power cord from

Continued on page 58

Subscription form between pages 48 and 49!

February 1965 • 23

DEMCO "Travelier" transceiver



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 Satelite Base Station and other fine CB products from Demco, too.)

Jenneo Electronio	s, Inc. / Bristol, Indi	and
Please rush details	and specifications on	Travelier Transceiver.
Name		CB Call
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	State	Zip No

IF FILTERS DON'T HELP, YOU MAY BE CAUSING

POWER LINE TVI

by MARK TAPLEY, 10W3140

SPECIAL CB SPECIAL CB INTERFERENCE FEATURE

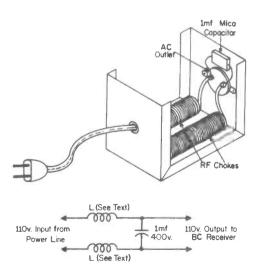
We frequently hear a tale of woe which goes, "I put a low pass filter on my CB rig and a high pass filter on the TV set but I still have TVI." One thing, of course, has been overlooked—the fact that your CB rig can pump signals into the power lines and the offending CB signals can then enter the innocent TV set or radio by means of the same lines, bypassing the usual high and low pass filters.

With not too much effort you can whip together a power line TVI filter which should take care of this problem, or an extra strength model for those really difficult

cases.

BASIC UNIT

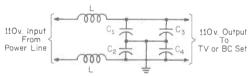
The basic unit was made as shown in the diagram. A short piece of broomstick handle was obtained and two coils were made from #16 insulated bell wire close wound each five inches long. Duco or Testor's cement is then smeared over the coils to give them "body," and after the cement hardens, the coils are slid from their forms.



A 1 ufd, 400 volt, paper capacitor is placed across one end of each of the coils and left ungrounded. The whole unit is then mounted in a small metal box about 5½" x 3½" x 2". At one end of the box a single AC outlet is fastened by cutting a hole to fit a receptacle. An AC male plug and a short piece of zip cord is run through the other end of the box to the coils to complete the unit. The TV or broadcast receiver is then connected to the gadget and the gadget connected to the power line.

EXTRA STRENGTH PAIN RELIEVER

While the foregoing unit should prove efficient, there will undoubtedly be cases which will still defy cure. That's when we drag out the heavy artillery, in the form of the TVI filter now described.



We still use the major components of the "basic circuit," at least the coils, chassis and receptacles.

The new components are capacitors. C_1 and C_2 are .22 ufd, 600 volt, types. Capacitors C_8 and C_4 are .1 ufd, 600 volt, jobs. Wire them into the circuit as shown in the schematic and attach the ground lead to a cold water pipe.

This unit may be used at either end of the problem, the TV/BC set, or at the CB rig—or you can even put one unit at the TV set and a second one at the CB rig. If that doesn't do the trick, you might consider communicating via megaphones.



NEW! LAFAYETTE DUAL-CONVERSION DELUXE 9-TUBE C. B. TRANSCEIVER Model HB-200

Successor to the Famous Lafayette HE-20C



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42-0118WX

Imitated but never duplicated . . . Lafayette scoops the industry again with the finest in Citizens Band Communications at a price you can afford.

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

NEW! LAFAYETTE MODEL HA-115 AUDIO COMPRESSOR AMPLIFIER FOR CITIZENS BAND-TRANSCEIVERS

3 ACCESSORIES IN ONE COMPACT UNIT

6, 12 or 117 Volt For Mobile or Base Transceivers Illuminated Meter Directly Reads Modulation Percentage Completely Pre-Set and Pre-Tested Printed Circuitry — Advanced Design Works With All Popular CB Units Simple Installation Increased Intelligibility Over Static, Noise, Adjacent Stations Better Modulation for Older Units Increased Talk Power For CB Operation





NEW! LAFAYETTE 2-WATT 2-CHANNEL C. B. "WALKIE-TALKIE" Model HA-300 WITH VARIABLE SQUELCH

2-for-194.95

EARPHONE

CARRYING CASE

Range up to 10 Miles

Plug-in Battery Changer 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



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FULL 5-WATT INPUT! FULL VALUE

Made In U.S.A.

12 Tube Functions, Plus 1-Diode, Flus

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Pi-Network for Maximum Power Output

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Attractively Styled, Ruggedly Built



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LAFAYETTE

NEW! LAFAYETTE 23-CHANNEL CRYSTAL-CONTROLLED DUAL CONVERSION 5-WATT CB TRANSCEIVER

WITH ADVANCED "RANGE-BOOST"



▶ 17-Tube Performance with 13 Tube

- Low Noise Nuvistor "Front End"
- 5 Double-Tuned If Transformers
- ✓ Meets All FCC Requirements
- Frequency Synthesized Circuit Provides 23 Crystal-Controlled Transmit & Receive Channels-No Extra Crystals to Buy!
- Continuous One-Control Channel Tuning
- Full 5-Watt Input
- Push-To-Talk Microphone & Electronic Switching
- Dual Conversion Receiver With 3/10 μν Sensitivity
- Delta Tuning Offers "Fine Tuning" of ±2.5Kc on Receive
- Illuminated "S" and RF Output Meter
- Variable Squelch, Variable Noise Limiter, AGC
- Built-in 117V AC & 12V DC Power Supply
- "Vari-Tilt" Mounting Bracket for Easy Mobile Installation
- Plug-in Facilities For Lafayette Selective Call Unit

Efficient, dependable 2-way communications in any fixed or mobile application is assured with this rugged, new 5-watt CB transceiver. A military-type frequency synthesizing circuit makes it possible to transmit and receive over the full range of 23 channels with crystal-controlled accuracy-no extra

99-3001WX

of 23 channels with crystal-controlled accuracy—no extra crystals to buy and install!

Efficient circuit with 13 tubes and 8 diodes offers maximum transmitter power output..., high receiver sensitivity—plus every feature CB users want!

Operates in a fixed or mobile location with equal ease ... has built-in power supply for either 117V AC or 12V DC.

Specially designed "Vari-Tilt" mounting bracket simplifies a parties feat removal of the transceiver. mobile installation—permits fast removal of the transceiver too! And, there's nothing else to buy—you get all crystals, push-to-talk ceramic mike, and a built-in vibrator for 12V DC, plus 2 power cables. Measures a compact 12Wx5Hx10"D.

ADVANCED "RANGE-BOOST" CIRCUIT

Increases Your Effective Range—Lets You Get Through When Others Fail!

Want to effectively increase your range? You can—with Range-Boost! A simple turn of a switch on the HB-400 increases the average percentage of modulation and lets your voice cut through QRM and noise to reach further gives you more "talk-power" when you need it—without overmodulating!



WITH RANGE-BOOST

Average Percentage of Modulation Higher-Sideband Power is Increased



Headquarters For Citizens Band Equipment

NEW! LAFAYETTE ALL-TRANSISTOR DUAL CONVERSION 5 WATT CB TRANSCEIVER

HENTIC MECHANICAL FILTER



100% Solid-State . . . Full 5-Watt Performance! Small, Compact-Only 11-7/16Wx6-11/16Dx3"H

Low Battery Drain-Less Than 350 ma on Receive, 850 ma on Transmit!

12 Crystal Transmit plus 12 Crystal Receive Positions 23 Channel Tunable Receiver with Vernier Tuning Dual Conversion Receiver with 5/10 µV Sensitivity

15 Transistors, 3 Diodes, 2 Zener Diode plus 1 Thermistor Zener Diode Voltage Regulated Receive Oscillator for Superior Frequency Stability

Dependable Sealed Relay Switching

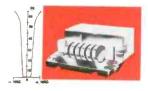
Automatic Noise Limiter

Variable Squelch

For 12 Volt DC Mobile Operation (Negative or Positive Ground) or for 117V AC Operation when used with Matching Solid State AC Power Supply (Optional)

Meets All FCC Regulations

HIGHLY SELECTIVE MECHANICAL FILTER



With CB channels only 10 Kc apart, selectivity is important! In the HB-500, ultra-sharp selectivity is achiev-Sou, utra-snap selectivity is achieved by means of a true mechanical bandpass filter in the 455 Kc IF section. At 10 Kc on either side of the center frequency, the filter provides 60 db of attenuation—an extremely high rejection ratie that assures complete adjacent channel rejection! SISTORS USED IN ALL CRITICAL

EPITAXIAL SILICON, MESA TRANSISTORS used in Transmitter Oscillator, Driver and Final Stages.

SILICON MESA TRANSISTORS used in Receiver Oscillator, RF and IF Stages.

If you're looking for a high-performance CB transceiver in a small, compact size, you'll want the HB-500! Using advanced solid-state circuitry, this transceiver is small enough to fit conveniently into the most compact car. And, battery drain is really low! The transceiver draws no more than .35 amps on receive, .85 amps on transmit—an important advantage in mobile applications! This rugged transceiver offers instantaneous, cool-running operation and features printed circuit, all-transistor design. Equipped with mobile mounting bracket, push-to-talk dynamic microphone, crystals for operation on channel 12.

Model HB-501 Solid State AC Power Supply

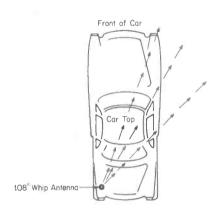
Matching solid state AC power supply for HB-500 for fixed station operation (at home, business, office). Transceiver rests on power supply to form attractive integrated unit. Size 111/6x611/6x311/32". 99-3028 Net 16.95

SPECIAL CB INTERFERENCE FEATURE

MOBILE HINTS

A FEW RANDOM IDEAS

by N. W. RUTHERFORD, KKX2268

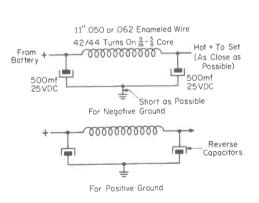


To Voltage Regulator

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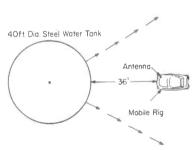
If you are bothered with a whining interference from your car's generator, this device will be of help in killing it. It can be constructed in a short time and has worked wonders for many locals who have tried it.

A beam for your mobile? No such thing you think? Well mount a 108" whip on your fender as shown here. Your signal will improve by as much as 2 to 4 "5" units in the direction across the top of the car. Receiving improves by as much as 1 to 3 "5" units in the same direction.



This circuit eliminates ignition, blinker light QRM from entering your mobile rig. It will not do anything to halt noise which is coming in through the antenna. Circuits for both positive and negative electrical systems are shown.





Another form of mobile beam was tried by using a nice big water tank near the 10-20 here. When the mobile unit was parked 36 feet away from the tank there was a marked increase in signal strength. Unfortunately the water company put up a fence past the 36 foot mark so I'm "out of business" with the idea. Perhaps you can try it in your area.

89

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



THE "FREE-WHEELER"
DIVIDEND PACKAGE ...

"550" transistorized C-B radio179.50
Universal mounting bracket N/C
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clear markings, aircraft-type
compensators, universal mounting
bracket 5.95
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Total value 243.50
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THE "CLOVERLEAF" PACKAGE ...

Same as abo	ve exce	ept that		
Model 6200	Noise S	Suppressi	on Syster	n
is omitted .	Total	value		218.60
	Your	cost		184.50

To bring the "550", finest, feature-filled transistorized radio to the discerning C-B user in true, clear focus, WEBSTER offers an incentive in the form of an exceptional dividend, "the value wheel" comprised of such essential (and high quality) accessories as antenna and noise suppression kit in addition to other functional items—car compass, magnetic clip board, 84 page road atlas, 10-code card. (All illustrated above). Anyone who purchases a "550" radio can have these items, (valued at 64.00) for an additional 10.00—a 54.00 saving!

THE "550" ... A BRIEF SKETCH ...

Handsomely styled, book-size C-B radio with 11-crystal controlled channels, replaces vacuum tubes entirely with transistors and diodes. WEBSTER has applied advanced solid-state circuit concepts to achieve performance that is wholly outstanding in every respect. There are no compromises. "550's" transmitter is full-powered to the 5 watts allowable by F.C.C. It incorporates special high-level modulation techniques (pat. appd. for) that give 100% capability. Speech response is "shaped" for exceptional crispness and clarity.

The all-solid-state superhet receiver is highly sensitive, is particularly well suited for weak signal reception with 10 db signal-plus-noise/noise ratio at one-half microvolt! And it provides 60 db rejection to adjacent channel signals!

Here are just a few of the dozens of functional features: Speaker on front panel ... plenty of reserve audio power. Quiet, no-carrier operation is offered by an adjustable "Squelch" ... and there is a highly effective series-gate noise limiter with OFF switch. "550" uses no vibrators, operates direct from 12V car battery. Fixed station service is possible using separately available 117V AC supply. All "550's" are pre-wired to accept tone signaling units. Universal, cradle-type mounting bracket is standard equipment.

Please rush full information on "550" and "Free-wheeler" dividend deal.

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February 1965 • 31

From The Worlds Leading Manufacturer of Quality

CB Communication

. . Antennas

Especially Designed With The CB'er In Mind!

By Mosley Electronics.

The all New DEVANT-1 is the result of continuous research and development to bring you Superior quality at a New Low-Low Price. \$22.76. This field tested base station antenna is the newest advance in CB communications, performance guaranteed.

Many of the features of the DEVANT-1 are built into the base section. The vertical element terminates in a phenolic sleeve which has greater strength than the aluminum element. Radials terminate into a high strength "Cycolac" base, which again, has more strength than the aluminum element. The Coax female connector is part of the cation Distance: In (weather-proof) radial support tain optimum perform assembly. Antenna mounting is any antenna, the an simplified, just mount the antenna on your mast, tighten two screws and lock nuts. Tapering the ends of the aluminum tubing that nearly every (called swaging) is designed to station has transmit reduce wind load, and any possi- limitations. bility of vibrations which would limitations are placed cause metal fatigue. Loading and impedance matching of the DEVANT-1 is accomplished with In the case loops of one eighth inch alumi-limitations a num rods.

The Mosley DEVANT-1 anten-laverage CB state na is an omnidirectional antenna natives when an increase in cov- in

3.4 db.

Mounting antenna may metal objects.

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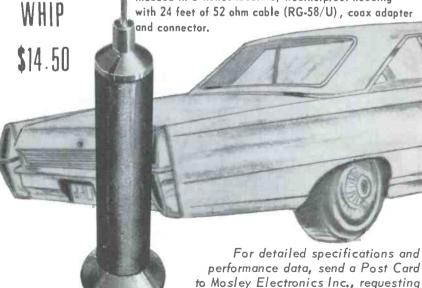
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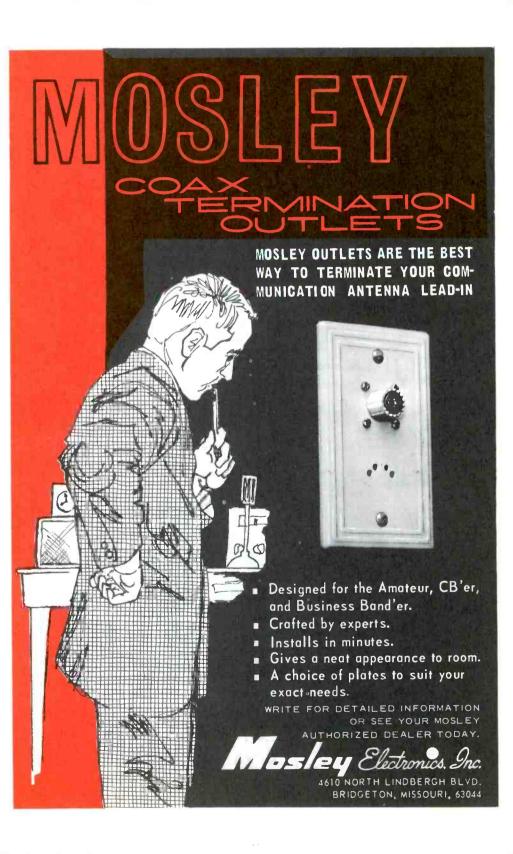
As the name "DEVANT (2)" suggests, the quality and performance of this live antenna is "Out-In-Front". "Ahead" of anything comparable on the CB market today. The success of this mobile wonder is no secret. The world famous Mosley quality in communication antennas, is a highly regarded and well known fact. Features include: Simplicity of installation, Adjustable resonance and length of coax cable used is. unrestricted. DEVANT (2) is a transformer matched antenna for use on channels 1 through 23. Antenna is mounted and secured directly to outer surface of mobile unit. Interior fabrics or hard to reach areas under rooftop, trunk and hood is absolutely no obstacle. Typical VSWR is 1.3 to 1 at resonant frequency. Resonant frequency may be changed by slightly adjusting the length of the whip section. All materials used on this antenna are corrosion resistant to insure maximum trouble-free performance. This antenna comes complete with High "Q" Transformer, incased in a nonconductive, weatherproof housing with 24 feet of 52 ohm cable (RG-58/U), coax adapter



Masley Electronics Inc.

4610 NORTH LINDBERGH BLVD. BRIDGETON, MISSOURI, 63044

literature No. C-112 and C-117.



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SCOTCH-MASTER

Here are two beams for the CB'er who wants the best point-to-point communications at lower costs. Mosley SCOTCH-MASTER A-311-S, three element and A-511-S, five element beams are designed for the economy minded CB'er who wants the world famous Mosley quality.

A-311-S

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- No. of Elements 3
- Antenna Weight 12.5 lbs.
- Boom Length 12'
- Maximum Element 18' 8%"
- Front-To-Back 20 db.
- Vert. Wind Load 65 lbs.
 Hor. Wind Load 35 lbs.
- Forward Gain 8 db.
- Type Matching-Gamma
- Impedance Point 52 ohms.
 Radiation Uni Directional

A-511-S

- No. of Elements 5
- Antenna Weight 16.5 lbs.
- Boom Length 24 ft.
- Maximum Element 18' 8%'
- Front-To-Back 20 db.
- Vert. Wind Load 112 lbs.
- Hor. Wind Load 62 lbs.
- Forward Gain 9.5 db.
- Type Matching Gamma
- Impedance Point-52 ohms.
 Radiation-Uni Directional

A-311-S STACKING KIT

Dependable communications result from a proper antenna system. Mosley's antennas are recognized for being tops in dependability.

Many CB stations today are stacking their antennas, creating additional gain. Two A-311-S antennas stacked, create 11 DB of total gain. Mosley quality parts plus easy-to-fellow instructions help you to do an effective stacking job.

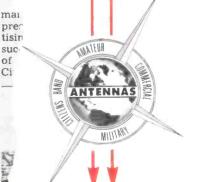
A pair of A-311-S beams vertically stacked creates an equivalent effective power to your CB transmitter of 63 watts.

Write for detailed specifications and performance data or see your Mosley authorized dealer.

From The Worlds Leading Manufacturer of Quality CB Communication Antennas.

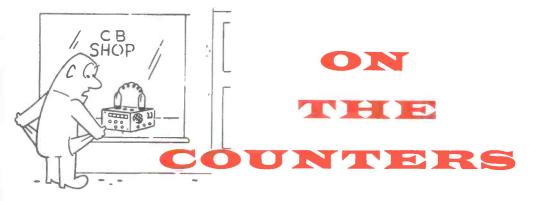
For Dependable Citizen Band Antennas

The result of continuous research and development to bring you Superior Quality at a New Low Price





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S9 Lab Reports

THE PACE-5000 RIG

The Pace-5000 is a high-quality 5-watt solid-state two-way CB radio providing six crystal-controlled receiving and transmitting channels. It is of advanced engineering design employing the latest techniques and high-performance silicon transistors throughout such as used in space and missile projects for effective and reliable solid-state operation under extreme environmental conditions. Power supply regulation is employed to insure proper and constant optimum performance during abnormal variations at the primary power source. Operation may be had from 117 V 60-cycle AC source or from DC sources ranging from 6 to 32 yolts.

from DC sources ranging from 6 to 32 volts. Very small in size, ruggedly built and attractively designed with simplicity, the Pace-5000 should be an ideal unit for the discriminating user in connection with desk-top, mobile

or portable CB service.

The unit is built with four separate modules mounted in a stack as shown in the accompanying photograph. An additional plug-in type module also is used as explained later. This type modular construction results in compactness and simplifies servicing. Pace distributors are equipped with an "instant service meter" which can be plugged into the microphone connector to check the performance of the individual modules. Thus, in the event the equipment becomes inoperative, the responsible faulty module can be identified and then be removed simply by unsnapping solderless connectors on the ends of color-coded interconnecting leads to allow the module to be slipped out of the assembly and be replaced with a new one.



The Pace-5000. It is trimly styled with simplicity and is small in size, as may be seen compared with the microphone, taking up little space. Tilt-up mounting feet are used for desk-top placement.

RECEIVER SECTION

One module is used for the receiver section and utilizes six silicon transistors and four diodes in a dual-conversion system. A double-tuned bandpass circuit couples an RF input amplifier to the first mixer where the CB signals are converted to approximately 7 mc/s. Following this, the 7 mc/s signal is converted to 455 kc/s in a second mixer. An ingenious arrangement is that the hetrodyning frequency employed with the first mixer is three-times that of the local crystal-oscillator frequency used at the second mixer and it is obtained from a diode harmonic generator excited by the crystal oscillator. Thus, only a single crystal need be used for both mixers and any error in crystal frequency can be reduced by one-third, so that an over-all accuracy of .0033% can be attained when a crystal of .005% tolerance is engaged.

Another special feature is that the second mixer is followed by a 455 kc/s bandpass filter consisting of five tuned circuits to ensure good adjacent-channel selectivity while yet maintaining a wide "on channel" bandwidth. Two 455 kc/s IF stages are used next, adding two more tuned circuits and also providing a high signal level for optimum automatic-gain-control (AGC) and noise-limiter operation. A large AGC potential also is obtained from the detector/AGC system which utilizes two diodes in a voltage-doubler circuit. Audio output from the detector is fed through a silicon-diode

\$9 = more news, more authors, more value!

series-type noise limiter and on to the next module which contains the audio system.

TRANSMITTER SECTION

The transmitter module consists of three transistors with a six-channel crystal-oscillator stage, a driver stage and an RF power-output amplifier. The latter uses a high-performance type silicon transistor operating with very high efficiency at the maximum legal input of 5 watts. Impedance matching to a 50-ohm antenna and harmonic attenuation is obtained with a Pi-network coupling system. Modulating power from the audio module is applied through a small matching transformer to the emitter of both the driver and RF power-output stage.

SPECIFICATIONS AND PERFORMANCE

Specifications for the receiver section of the Pace-5000 are: Sensitivity, 0.5 UV for 12 DB signal-to-noise ratio; Selectivity, 5.5 kc/s bandwidth at 6 DB down and adjacent-channel rejection of 40 DB min.; Image rejection, 60 DB min.; Spurious rejection, 50 DB min.; AGC characteristic, 5 DB maximum AF output variation over an RF input range of .6 to 50,000 UV; Maximum receiver distortion, 10%; Squelch, minimum sensitivity to .5 UV, maximum cutoff to 1500 UV; Noise limiting effectiveness with 50-volt peak-to-peak simulated ignition noise, 6 DB S/N ratio with a 40% modulated input signal. S9 lab measurements indicated the performance of the receiver to be equal to or better than the specifications, except image rejection which was 40 DB (@ 26 mc/s). Noise limiting measurements were not made; however, field operation indicated exceptionally good performance with excellent weak-signal readability in the presence of noise.

The transmitter specifications are: Output power, 2.75 watts min., typical output 3 or more watts. Constant output is maintained with supply-source variations of plus or minus 25%; Modulation, 80% min.; Harmonic suppression, 60 DB. Power output was measured at 3.5 watts. Modulation peaks started to square off with clipping above 50% modulation and the maximum attainable peak modulation was 80%. This is typical of many CB units, but results in a high average modulation. Plenty of mic again is available, in fact it is best to talk at a short distance from the mic to avoid excessive clipping and distortion.

PACKAGING

The Pace-5000 is enclosed in a charcoal-gray two-section plastic case held firmly together with sturdy chrome-plated metal supports.

Although the price of the Pace-5000 is higher than that of many other CB transceivers (over \$200 with microphone, one set of crystals for channel 11 and one power supply), it is reflected in the quality, servicing convenience, well engineered details and performance. The manufacturer is: Pace Communications Corp., 520 West 182nd Street, Gardena, California.

Some Sound Advice About the Economics of Sound

Quality CB transceivers are a vital communications link for many businesses and professions, and a great source of convenience for many individuals. BUT, you don't have to throw money away to obtain quality.

Metrotek now offers two top quality transceiv-

ers; both realistically priced.



Six crystal-controlled transmit channels and tunable to receive all 23 channels. Operates on any six of the 23 available CB channels in the transmit mode. Plug-in crystals, mounted on chassis can be changed to give any desired frequency. High impedance ceramic microphone, in high impact strength case is standard equipment. Pushto-talk electronic switching on mike eliminates noisy clicking relays.



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New appointment to the A.P.R.E. program this month include: Patricia Gurganious, KD13064, P.O. Box 44, Lake Harbor, Florida; Garland E. Whiteside, KEJ6964, P.O. Box 834, Ridgecrest, California; John J. Mazur, 99 Elkhart Street, Lackawanna, New York; Arthur R. Tanaka, 91-270 Fort Weaver Road, Ewa Beach, Hawaii; Richard Mikorenda, KB15318, 564 East 32nd Street, Brooklyn, New York; Junius H. Noyes, KLE0928, 52 South 1st West, American Fork, Utah; William Davidson, 26 Knight Street, Glens Falls, New York.

To answer the many A.P.R.E. questions, "Why wasn't my name on the Master A.P.R.E. List," if your appointment was after October 5, 1964, it was too late for December publication. A new A.P.R.E. listing will appear during the summer months. A.P.R.E. appointments are still open in the following states: Delaware, Arkansas, Oklahoma, Nevada, Arizona, Montana, New Mexico, Nebraska, Minnesota, North Daktoa, Kentucky. Still left to cover is 12 states, so let's hop-to-it. Contact: 59, Club Editor, John F. Krejc, 60 Division Ave., Garfield, New Jersey 07026

COMING EVENTS

Lancaster County CB Radio Club will hold their annual Jamboree, July 5th. 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 National Grand-father Mountain CB Jamboree, June 11th, 12th and 13th. Place: MacRae Meadows on the slops of Grandfather Mountain. Contact: Blanche Wilkerson, 308 Vale St., Marion, N. C.

Marion, N. C.

The Delray Beach Radio Club Inc. of Delray Beach, Florida will hold the 1st Annual National Sunshine CB Jamboree and Equipment Show, February 21st. There will be continuous entertainment and doar prizes. Trophies for distance and club attendance, card swapping and manufacturers displays. Jamboree will be held in Delrays new beautiful, spacious Civic Center Auditorium in Delray Reach Florida Jamboree cortal will monitor chaptel. Beach, Florida. Jamboree control will monitor channels 6, 9 and 11. Contact: Clair Santoro, P.O. Box 873, Delray Beach, Florida.

June 26th and 27th the Illinois Valley CB Club will be celebrating their 5th Annual Get-together. More info will

be forthcoming. No site has been sent to this writer.

The heart of Dixie CB Club of Pell City, Alabama is planning to hold its first annual Jamboree the Weekend of May 29th and 30th. Contact: Louis Toyel, Route 1, Box 237-A, Pell City, Alabama. Monitoring channel is 9. More

237-A, Fell City, Alabama. Monitoring channel is 9. More info regarding site will be forthcoming.
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.

Pichard W. Long **CF0096* is still people in the state of the still people in the still pe

ing facilities and food.

Richard W. Long, KCF0986, is still speaking about plans for a National CB Jamboree. Plans would include CB'ers from U.S. and Canada. All interested parties contacts Richard W. Long, 711 N. Mechanic Street, Cumberland, Maryland 21502. (Ed. note) This could develop into the largest yet, so contact Dick.

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

Detroit, Mich.

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

Pontiac, Michigan will hold their Jamboree, August 14th and 15th. More info forthcoming.

The Delaware Valley CB Association, Inc., Wilmington 99, Delaware, will hold the Grand National Jamboree sometime in September, 1965. More info will be forthcoming. Contact: P.O. Box 1986. Plans for this jamboree has been developing since the spring of 1964. I would assume

it should be a real blast. Plans that far in advance can only be successful.

only be successful.

Twin-Rivers CB Club of Addison, New York, will hold their second annual All States Jamboree, August 7th and 8th, 1965, at the Goodbue Hill Grounds. Contact: Twin-Rivers CB Club, P.O. Box 184, Addison, New York.

February 27th, The Webster County Radio Rescue, Inc.,

will sponsor their second annual Jamboree at the National

will sponsor their second annual Jamboree at the National Guard Armory, Marion, Kentucky. Contact: Jim York, 219 Sturgis Road, Marion, Kentucky.
Lake Erie CB Radio Club, Inc., will hold their first 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.

Box 3, Lorain, Onio or Jon Battey, 27003 Lake Roda, buy Village, Ohio.

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

CITIZEN BAND VS. HURRICANE HILDA

When Hurricane Hilda hit Baton Rouge, La., on October 3, 1964, the Greater Baton Rouge Citizen Communication Assn., Civil Defense, and Red Cross had put in many hours' of work in preparation for its arrival. These preparations were accomplished effi-ciently in spite of the fact that this was the first time GBRCCA had been called upon to assist in an emergency situation.



Pictured above is Robert Grand, operating the CD equipment on behalf of the Greater Baton Rouge Citizen Communication Association.

When Civil Defense first called GBRCCA President Wm. Boucher it was 1:00 p.m., Friday, Oct. 2, 1964. Mr. Richard Silverman asked if the CB Club could set up emergency communications between Civil Defense Headquarters and the Red Cross Headquarters. Mr. Boucher complied with this request but the members, individually, helped in an even greater way by moving their mobile units, voluntarily to each shelter. When Civil Defense and Red Cross discovered these quiet additions they recognized the greater efficiency of keeping the people of one shelter in contact with the outside world, other shelters, and the emergency headquarters.

This was not as easy as it sounds, however. Preparations could not begin in earnest until late Friday afternoon when the CB members got off work and out of school and learned of the need for CB help. Requests were sent out to all CB's in the Greater Baton Rouge area for equipment.

Joe Aldridge from as far away as Port Hudson, 30 miles northwest of Baton Rouge, supplied a much needed radio mast and magnum as well as a radio for Red Cross headquarters. Joe also provided some equip-

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A postpaid subscription form and envelope is located towards the rear of this ment for the Civil Defense. Other CB members had each station set up and operating by 6:00 p.m. This was not the end of Friday's work. When Mr. Bob Harris of the Red Cross went to visit all the shelters set up in the area, he found a CB rig already transmitting in-formation to Red Cross headquarters. Before he could reach all the shelters information had already been sent to Red Cross headquarters as to conditions at each shelter. Mr. Harris finally gave up his slow journey and went back to headquarters to gather the reports that he wanted. By 2:00 a.m., Oct. 3, 1964, everything

that he wanted. By 2:00 a.m., Oct. 3, 1964, everything was ready for Hilda.

Saturday dawned with pouring rains and windy hurricane gusts. Under these conditions, refugees poured in from south Louisiana towns, Morgan City, Grand Isle, Houma, and many others. Citizen Band radio was busy securing food, information, taking central contents of the cont sus, and setting up thousands of cots that arrived from Red Cross depots at Alexandria and Monroe. By 5:00 ned cross depots at Alexandria and Monroe. By 5:00 p.m. Saturday night, traffic on all major streets was blocked by flooding and fallen trees. There were so many messages arriving at this time that there was no time to stop for food or rest. Due to the inexperience of the group no reliefs had been arranged. This continued for the 12 hours that Hilda ravaged the Baton Rouge area.

At 11:00 p.m. in the midst of the Hurricane, with At 11:00 p.m. in the midst of the Hurricane, with the eye only two hours away, the climax of troubles occurred. The Ryan Airport Weather Bureau lost all power and all communication from them stopped. A call went out for a three phase generator and one was found by a CB'er in Gonzales, 20 miles southeast of Baton Rouge. It was brought from there to Baton Rouge in the middle of the Hurricane and was personally escorted to the airport by a CB'er. The generator was started by 1:00 a.m. Sunday at about the time that

was started by 1.00 a.m. Standay at about the time that the eye was passing over.

The hurricane damage included flooding conditions, blocked streets and highways, the loss of the Civil Defenses' 80 meter tower, plus all the damage to personal property. Sunday, after the wind died down, the somal property. Sunday, after the wind died down, the refugees wanted to return to their homes. One call into Civil Defense headquarters was from a Ham operator requesting Civil Defense to contact CB'ers and gather information regarding relatives in the hurricane area since he could not make contact with another. How in this area. other Ham in this area.

Although the hurricane was over for Baton Rouge, the CB'ers could not quit yet. The job of closing the shelters, gathering donations, and general clean-up was still to be done. Finally, about 9:00 a.m. Monday morning, it was estimated that 90% of the refugees

had left the Baton Rouge area.

Civil Defense and the Red Cross had a big job and our local CB group was glad to be able to help them.

our local CB group was glad to be able to help them. The following men are especially to be commended:
Joe Aldridge, Rt. 1, Box 155, Zachery, La.
John Cox, Jr., 2025 Steel Blvd., Baton Rouge
Robert Grand, 115 Richland Ave., Baton Rouge
William Boucher, 2821 Cedarcrest Ave., Baton Rouge
E. L. Holden, Sr., 4036 Adams Ave., Baton Rouge
E. L. Holden, Jr., 4036 Adams Ave., Baton Rouge
Dan Smith, 3051 Calumet, Baton Rouge
Joe Watson, Box 15043 Broadview Sta., Baton Rouge
Kit Duncan, 3028 Canonicus, Baton Rouge
Jack Ray, 5447 Halsev. Baton Rouge Jack Ray, 5447 Halsey, Baton Rouge Jim Thomas, 7051 St. Francis, Baton Rouge Ardell Broussard, Rt. 2, Box 12, Hammond, La. John Buie, 1148 Richland Ave., Baton Rouge

EXTERIOR

The 50th State CB Club held their annual elections on October 20, 1964 at their newly acquired club house at Hickam Air Force Base near Honolulu. Officers elected will take office in November; Charles R. Alsip, KDE1918 was re-elected as President, Charles McMinn, KEB3104, Vice President, Charles Conn, KLK7300, Secretary, Homer (Gene) Joslin, KLS0094, Treasurer, Harold Saville, KKR5389, Publicity Officer, John (Woody) Wood, KKM9192, Liasion Officer and Merl Mattern, KLS0141, Master-at-Arms.

The club officially opened their permanent club house during the month of October, thanks to the combined efforts of Harold Saville, John Wood and a very kind and understanding Air Force General. Club members pitched in and the building was painted, The 50th State CB Club held their annual elections

members pitched in and the building was painted, furnished and a antenna installed. With coffee, cake, cokes and punch, the XYL's and Background Noise (Children) were given the run of the club for a Sunday afternoon.

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

The coming year 1965 should show a very young club growing toward the largest and most active CB club on the island of Oahu. Numerous new projects for the year which were outlined at a recent meeting included the publication of a club paper, expanded public service, Red Cross assistance and others, totaling ten

projects.

Since S9 printed the September issue, the article in the Chit-Chat section has brought thousands of QSL cards, club papers and letters from all over the nation wishing us well. We send out thanks to all those fine CB'ers who wrote and request that further correspondence for the club be directed to President Charles R. Alsip, 835-C Rice Street, APO 958, San Francisco, Calif.

With the continued growth of Citizen's Band radio in Hawaii and more and more CB'ers coming in every

day, we are noticing rapid growth of some of the smaller clubs such as The Hawaii Radio Club.

The Hawaii Radio Club broke away from its parent organization, Citizen's Banders Hawaii of Honolulu, on June 11, 1963. With only a few charter members who felt a need for new interests in CB'ing, they reorganized a new club with spirit and eagerness, wherein no member remained anonymous for very long. new club now sports a membership roster of sixty-five CB'ers.

The club's meeting place is at 3640 Crater Road in Honolulu, just above one of Hawaii's historic land marks, Diamond Head Crater. The club meets on the second Tuesday of each month at 7:30 P.M. The club is very active in Civil Defense work as well as render-

is very active in Civil Defense work as well as rendering public service to Civic Groups in the City and County of Honolulu.

Club officers are: Tommy Messman, KIF0139, President, Francis Low 21Q0245, 1st Vice President, Emanuel Torrez, 21Q0113, 2nd Vice President, Sam Kaula, KIF0171, 3rd Vice President, Henry Akita, 21W0038, Secretary, Melvin Fong KLS0113, Recording Secretary, Joseph Mereo, KLS0027, Correspondence Secretary, Calvin Ching, 21Q0011, Treasurer and Tommy Kaula, KIF0311, Frank Wilhelm, KLS0093, and Joseph Popovich as Sergeants-at-Arms. As you can conclude from the old call letters, these men are some of the "Pioneers the old call letters, these men are some of the "Pioneers of CB" in the state of Hawaii.

The club members are interested in QSL swapping, bulletins and news letters of mainland clubs. Write Mr. Henry Akita, Secretary, 1923-I Fern Street, Honolulu,

CENTRAL

Newly elected officers of the Lincoln CB Club are: President, Ronnie Cox, KHC5592: Vice President, Jerry St. Clair, KLJ6105; Secretary, Hazel Knierim, KHB0320; Treasurer, Robert Decota, KHB0811. The KHB0320; Treasurer, Robert Decota, KHB0811. The club held a reward picnic which was put-on with the jamboree profits for all members which was a huge success and plan to hold a CB Dance sometime this winter for area CB'ers. Each meeting they draw a door prize from the registration book.

The Tri-County Five Watters meets at the Woodstock, Illinois Sportsman Club, the second Saturday of each month at 8:00 p.m. President, Roy Schultz, KLK7491; Vice President, Wayne Johnson, KHA6189; Secretary, Don Stanger, KHC6786; Treasurer, Larry Grabinger. 18B3745. Any clubs wishing to exchange

Grabinger, 18B3745. Any clubs wishing to exchange papers contact: Mrs. Treava, KHB2271, 8601 Ramble Road, Wonder Lake 8, Illinois. Monitoring channel

is 9.

Newly reporting club is the Bowling Green Warren County Citizens Band Club. Officers are: President, Michael McGuirk; Vice President, David Hall; Secretary, Hope Hayes; Treasurer, Bob Jensen; Sgt-at-Arms, Peter Owens. Thanks to Hope Hayes for the news. Keep it coming.

Newly elected officers of the Ingham County CB Club are: President, Fred Wyatt: Vice President, Bill Davis; Secretary-Treasurer, Slim Gannaway: Financial Secretary, Tom Miller; Editor and Publisher, Noah Canretary, Tom Miller; Editor and Publisher field: Communications Officer, Pete Hills.

PACIFIC

Organized October, 1964, with 44 members was the CB Rogues of Southern Oregon. Officers elected were: President, "Mitch" Mitchell, KLC1141; Vice President, Dick Schauble, KFG0589; Secretary, Stew Hopper, KFG1789; and Treasurer, Barbara Fry, KLC1286. The club is a family group organized to increase CB radio knowledge and for social activities. Channel 9 is the club channel. Meetings are held the first and third

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Building, Eagle Point, Oregon.
In compliance with orders from REACT National Headquarters, Chicago, the mintoring team known as REACT of Ridgecrest, Ridgecrest, California will be monitoring channel 9 on a 24 hour basis, with an alternate of channel 11.

SOUTHERN

October 24th units of the Rose City Five Watters CB October 24th units of the Rose City Five Watters CB Club took part in the Tyler Rose Festival Parade. Those units were: George Rice, KKV2215; Buddy Pringle, KKV3492; Jim Mullins, KKV4468; Doyle Haynes, KEH6755; Neal Johnson, KKV2045; Roy and Mary Tomberlein, KEH4723; Tommy Shoulders, KEG-4567; Bruce Brasaers, KEB2325; Larry Smith, KKV-4681; Bruce Brasaers, KEB2325; Bruce Brasaers, KEB2325; Larry Smith, KKV-4681; Bruce Brasaers, KEB2325; Bruce Brasaers, KEB232 4567; Bruce Brasaers, KEEZ325; Larry Smith, KKV-6688; Carrol Bobo, KEG1616; Max Gilphin, KEH7052, Albert Gray, KKV5833; Bill Crow, KEH6151; Alice Harper, KEH1226; and Judy Livingston, KEH5918; operating under Ed Livingston, KEH4002, club presi-

The main purposes of the CB Clubs participation in this year's parade was outlined by Club President Ed Livingston KEH4002, as standing by for emergencies, and keeping the parade moving smoothly, which was

their main duty.

The clubs base station was set up in the press box next to the public address system, so that they could keep the public address people informed concerning the floats and others as they entered the football

Judging from the results of the parade the units of the Rose City Five Watters did their job well. Recently organized is the REACT team from Nice-

ville. Florida who will assist any out-of-town unit desiring help. Monitoring channels are 9, 5 and 10. News of the new team comes from President Harry Nechet-KKP2504.

The Glade Five Watters, hold their meetings in Belle Glade, Florida, the second and fourth Sunday of every month. The club monitors Channel 9 and at recent elections the following were elected: President, Pete Williams, KDH1480; Vice President, Lewis Hodge, KKP3480; Secretary, Eva Hodge, KKP3480; Treasurer, John Brannen, KDI4153. Most all the male members of the club have joined the Palm Beach County Sheriffs Office, as auxiliary and must put-in at least four hours of their time each week on patrol with regular Sheriff's personnel. The club have recently joined the CD and will soon start a short, but recently joined the CD and will soon start a short, but very worthwhile course in CD. Mrs. Larry Elliott was bestowed with special votes of thanks at a recent meeting of the club for her unselfish time devoted to the unit. News by Pat Gurganious, S9 A.P.R.E.

WESTERN

The Arcadia Red E Units was established in 1962, its purpose was to provide a 24 hour emergency radio service for any type of disaster. The club consists of service for any type of disaster. The club consists of 12 members who have mobile equipped cars ready to go into the field. President is Gary Enderle, KFA0654; Vice President, Duke Gjerset, KEJ4637; Secretary, Ron Ramuz; Treasurer, Gary Powers. They work in coordination with the Pasadena Civil Defense, and have participated in communications work at the famous Rose Parade held each year at New Year's. They position cars at certain intervals along the parade route, these units radio to a control center in case emergency help is needed such as an ambulance, or fire equipment. The club members monitor Channel 18, Wednesdays of the month (in the rear of the Arcadia American Legion, Post 247, who is the spoors). The club mailing address in P.O. Box 794, Arcadia, California.

The Redwood Citizen Banders have seated new officers. They have amended their Constitution so that they now have a secretary and a treasurer. The new officers are as follows: Glen Cochran, KFD4793, Presiofficers are as follows: Glen Cochran, KFD4793, President; Al Moxon, KFC4062, Vice President; Maxine Ray, KLA1485, Secretary, and Ann Walker KFC3585, Treasurer. The club now elects three (3) Executives-at-Large instead of two (2) and they are: Marlowe Peterson, KFD3260; Robbie Robinson, KFD5610, and George Nelson, KLA3453. . . Things have started off with a bang, too! An old fashioned pot-luck dinner is going to be held before the club meeting gets undergoing to be held before the club meeting gets underway on December 10th. All club members are invited to participate. . . At the meeting on January 14, 1965

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RESEARCH

BRIGHTON, MICHIGAN

there was a "swap or sell" table. Pres. Glen Cochran said, "bring any old rusty resistor you have laying around and see if you can swap it for something." . . . The Redwood Citizen Banders meet every second Thursday at the Arcata Airport Recreation Hall in McKinleyville. The meetings start at 8:00 p.m., all visitors are most welcome. Refreshments are served after each meeting.

Recently, the Sidewinders Radio Club of China Lake, California elected officers for 1965 which are: President, Carl Nyholm, KFB0252; First Vice President, Paul Brady, KFA7893; Second Vice President, Cmdr. Martin Manger; Secretary, Mrs. Adelaide Sulaide, KFA6269; Treasurer, Jim Wilkie, KXX2501. Past president of the group is Edward Read, 11Q0327. The club meets on the second and fourth Wednesdays of each month at 363 McIntire St., China Lake. One of their major activities each year is helping to provide the radio communication necessary for direction of

ATLANTIC

Recently members of the REACT radio patrol in Hagerstown, Maryland assisted fire authorities directing traffic into a one car width farm lane where a large barn was consumed by fire and water had to be carried in by water trucks. The radio units stationed themselves at the road entrance and at the scene and directed water trucks into the fire scene. Initial arrival on the scene was one of the recent members John Houser, KLN8847, who is from Dayton, Ohio but at present is stationed at Fort Ritchie, Md.

On Saturday, November 14, 1964 through the efforts of Ray Benedict, KCF2574, the monitor for the REACT team in Hagerstown, Maryland, arranged for Ivan

Loucks. FCC chief of the Citizen Band and Amateur Radio Services to attend a CB get-together sponsored jointly by the REACT Radio Patrol Inc. in Hagerstown, Maryland and the Berkley County Citizen Band Club from Martinsburg, West Virginia. Over 100 persons attended the question and answer period, preceded by a fine "smorgasbord" at the Shady Rest Motel and Restaurant between Hagerstown and Martinsburg. Mr. Loucks and his most gracious wife both attended the dinner and later Mr. Loucks answered questions, mostly dealing with Part 95. At the host table seated with Mr. Loucks were Carl Jones, KCG-1197, President of the Berkley County Citizen Band Club, Troy Cosner, KKI2311, Director of the REACT Radio Patrol Inc., Mrs. Fay Benedict, KCF2574, the "official" monitor of the REACT team and whose home the team has its headquarters. Mr. Loucks and his wife stopped at Fay's home and sampled some of her famous coffee (it's the best rocket fuel in this area) and we talked with Mr. Loucks both before the gettogether and after and find that he has a real interest in Citizen Band and is one of the most down to earth persons I have met in some time. Mr. Loucks also passed some of his call cards around (not QSL cards). He and his wife both seemed like they were one of the gang that visits the REACT teams meeting room at Fay's home. Also visiting this area during the get-together was Dick Long, KCF0986 of Cumberland, Maryland. Dick is President of the Queen City Five Watters which have had their news published in S9 through Dick's efforts. He is also an A.P.R.E. for S9 Magazine. Dick was accompanied by Merry Albright, KCG1591 and Alan Roby, KCG0475. Pictures were taken of your reporter, Mr. Loucks and Dick Long, Understand from Dick that they might get to S9 Club Editor John Krejc.

In June of 1964 a new club formed in the Martinsburg, West Virginia area and through the efforts of the club officers the membership has grown to over the 60 member mark. During the summer the club sponsored a card swap at Skyland Park near Martinsburg and have several small assistance units operating. Officers of the Berkley County Citizen Band Club of Martinsburg, West Virginia are as follows: President, Carl Jones, KCG1197: Vice President, George Cole, KKI1694; Secretary, Carl Wandling, KKI3815, Treas-



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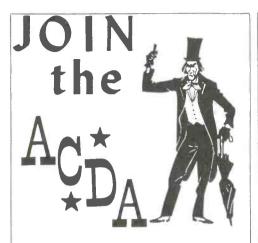
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OFFER LIMITED, SO HURRY!

urer, John Tabler, KCG3438 and Corresponding Secretary, H. W. Green, KCG3055. The club started with 37 charter members and I believe that under the direction

charter members and I believe that under the direction of Carl Jones, who is a Captain in the Martinsburg Fire Dept., the club will be one of the best in the area. Newly elected officers of the Twin County CB Radio Club are: President, E. O. Bond, KKK6289: Vice President, George Allen, KCJ7291; Secretary, Edgar Parker, WKW1199. Toronton County Charles County Count KKK1198; Treasurer, George Arrington, KKK6191.

About 4 months ago a group of 10 or 12 CB'ers thought it was about time that an emergency Citizens Radio club be formed. That was the start of Tidewater Emergency Radio Rescue and Assistance Club, known as TERRAC. At this time, due to the great amount of interest and enthusiasm, TERRAC boasts a membership of approximately 35.

The club officers are: Blake Fritz, President; Ron McCoo, Vice President; Chloris Fritz, Secretary; Ray Poythress, Treasurer; Ernie Hamel, Communications

Officer.

One of the reasons for the success of our club is due to the fact it has a very good mission—to promote the effective use of citizens band radio by giving emergency assistance, when the need arises to individuals and to the community and to cooperate with the local authorities.

During the past hurricane season, TERRAC members were on call day and night. Fortunately, for the community the hurricane did not present a major hazard. Nevertheless, TERRAC members were out to give assistance to motorists and homeowners during the flooding and high water

During the past presidential elections, TERRAC assisted the Junior Chamber of Commerce by transporting voters to and from the polls, so that they could exercise their rights as a citizen.

TERRAC holds its meetings on the 2nd and 4th Friday of every month at the Hospitality Room of the Norfolk Federal Savings & Loan Office, 2800 Cromwell Drive. All visitors are welcome to attend. Recently election to guide the Queen City Five Wat-

Recently election to guide the Queen City Five Watters CB Radio Club for 1965 are Director, Richard W. Long, KCF0986; Assistant Director, Alan Roby, KCG-0475; Secretary-Treasurer, Merry Albright, KCG1591. The club is presently in the process of organizing a radio emergency network for the entire Western Maryland region, called (tentatively) Citizens Radio Emergency Service (CRES). CRES will work in conjunction with city and state police, fire departments, hospitals, ambulance services and of course any individual who may need emergency assistance of any kind. It who may need emergency assistance of any individual who may need emergency assistance of any kind. It will include a 24 hour monitoring system. Any interested parties in the western Maryland area should contact: R. W. Long, 711 North Mechanic Street, Cumberland, Maryland 21502.

The Pea Dea Polci CP Club of Plant of

The Pee Dee Rebel CB Club of Florence, S. C. recently elected the following: President, Les Hatchell; Vice President, Alfred Hanna: Secretary, Judy Moore; Treasurer, Clara Baird. Present membership is 25 and the club meets once a month, with social events also the same. Club paper is called: Florence

NORTHERN

The Northern Berkshire Emergency Communication Club is a dynamic and growing Citizens Band club of 56 members which is dedicated to providing the best possible system of emergency communication to the Northern Berkshire area. In carrying out its emergency radio service, the NBECC has aided police departments in Adams, Mass. and surrounding towns in numerous searches for lost or missing persons, sending walkie-talkies and mobile units to the search area. Many club members have taken the Red Cross First Aid Course to better equip themselves for emergency

Election and installation of officers is in January

Election and installation of officers is in January each year. Officers are: President, Stanley Lesnick, 1W6672; Vice President, Ted Biros, KKA4249; Treasurer, Vick Boucher, KBD2277; Secretary, Bud Miller, KBC1831; Public Relations Chairman, Mary Bell, KBA9114; Board of Directors, Roger Bell, KBA5892; Bob Casuscelli, 1Q3643; and Bill Martin, KBC5236. The NBECC publishes a monthly newspaper, Channel Five, which has a staff of fifteen club members and a circulation of nearly 100 copies. Clubs that wish to exchange newspapers with Channel Five or subscribe to Channel Five should contact: Mr. Robert Casuscelli, 134 Meadow Street, North Adams, Mass. 01247. 01247.

More people read more things in \$9!

Recently, over 24 CB'ers and XYL's spent an evening at a coffee break in Olean, N. Y. at the home of John Winnie, KLQ0544. Feature of the evening was the 10,000 first year display of Rev. George Thayer, KID2617 with all the 250 prefixes, his SSC-18 Award, among others. The courtesy of the air was discussed and much concern of changing to Channel 9 for area monitoring after the first of the year. Nearby Brad-ford, Pa. and Salamanca, N. Y. have switched from Channel 6 to Channel 9 recently. KID2617's new 10-85 is 62 Clinton Street, Salamanca, N. Y. and still will swap card for card.

Halloween and Cabbage Night the city of Glens Falls,

N. Y. and the area around the county was patrolled by the Glens Falls Area CB'ers Inc.

Both Cabbage Night and Halloween were relatively quiet this year despite the myriad hobgoblins, gremlins and just plain hoboes roaming the city to "trick or treat."

The Area CB'ers were also roaming the streets in their cars equipped with citizen's radio keeping an eye on the "fun-seeking" teen-agers, who in the past few nights have sprayed cars with paint, broken windows and joined in many other acts of malicious mischief.

CB'ers patrolling the streets both nights reported to radio headquarters for the police cars that were on roving patrol. The CB'ers and police confiscated a number of cans of shaving cream as well as pumpkins which were being thrown from the railroad overpass,

in Fort Edward. Police and CB'ers also picked up two boys who had their pockets stuffed with firecrackers and also armed with a can of black spray paint but, they believe they caught them in time as no incidents of cars being

sprayed have been reported.

City, state police and the Warren County Sheriff's Office, termed the counties of upper New York State as relatively quiet with the Glens Falls Area CB'ers

Club Inc., help.

The Pine Tree Five Watters CB Radio Club of Bangor and Brewer, Maine, REACT team in close co-operation with the Brewer Police Department, main-tained surveillance over the city on the recent Halloween to minimize any vandalism which might occur. The club maintains a CB station on the dispatchers desk under the call of KKB0081 with 10 units for REACT under the call of KKBU081 WITH 10 UNITS 101 ADACA use. The REACT team was made up of Charles Leach, KKA0981; Don McCann, KBC0810; Carroll De Beck, KBD3999 and Don Goodness, KBD4035.

A group of CB'ers, the Plymouth Rock CB'ers can now boast of having a fully equipped vehicle ready for the area. Also as

any emergency that might arise in the area. Also, a few months ago, joined the Brockton CD Communications group as a body. The communications group is made up of mostly CB'ers from Brockton and surrounding towns, who monitor Channel 4, 24 hours a

day.

Recently elected officers of the Club 13 are: President, Larry Perry, KBB0754; Treasurer, Frank La-France, KBC8725; Secretary, Ernest Victorine, KKA-3965; Sergeant-at-Arms, William Burke, KBA2460. Wha' hoppen to the Vice President? ? ? ? Club calling Channels are 1 or 13, using KBD4605, listed as club call. Present membership is 35, which includes Ralph Myra, S9, A.P.R.E. as honorary member. At present, the membership is working on some type of emergency operation.

Newly elected officers of the Crystals CB Club are; President, Jay Dubner, KKD2495; Vice President, Lawrence Kellner, KKD2937; Secretary, Richard Rios, KBI2123; Treasurer, Brian Davis, KKD5927. Meetings are held every three weeks, each is held at a different members home. The CCBC is closed during the summer due to vacation, but re-opens during the first week of September. Club monitoring Channel is 15, which membership about 17. Clubs wishing to swap club papers should write: 2897 Ardsley Road, Wantagh, Long Island, New York.

Newly elected officers of the C Banders Radio Club of Western Pennsylvania include: President, M. C. Wallett, KID9818; Vice President, Ted Worth, KLP-6800; Secretary, Martha Kruisienski, KID6874; Corresponding Secretary, Jenny Gallagher, KIC5890; Treasurer, Don Hunter, KID5172. Regular meetings of the club are held the first Sunday of each month, 1:30 p.m. Interested parties should contact the above officers, if you wish to join this fine CB club.

Thanks to President, Roy Shetler, 20W7473, Sociable 5 Watts Club, who is also the editor of their fine club paper, 5 Watts Reporter, for his nice letter.



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CANADIAN CAPERS

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

XM49-405

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

Since the Canadian Tourist Radio Regulations have gone into effect we have noticed more and more Americans are on the air and receiving assistance from Canadian CB'ers. While this type of operation has not been started in the U.S., we here in Canada close to the border certain it will. I must certainly praise the U.S. Customs for their courtesy when we cross the border. They do not query our CB at all. We are left on our honour to abide by the present rules.

I had previously mentioned that I was trying to get a little bit of news printed in this column in French for the benefit of those who find most American CB publications ignore our dual languages. Well S9 has come first again! From Club XM-54 Incorporated, Chicoutimi,

P.O. Box 501, Quebec comes the following news. This club founded in February 1964 has 175 members, but enough of this read the following letter:

Chicoutimi, le 24 Octobre, 1964 Pour la première fois dequis sa fondation, le Club XM 54 Inc., Saguenay-Lac-St-Jean, publie à l'intention des lecteurs de votre magazine le rapport de ses activités.

Fondé en Février 1964, le Club XM 54 Inc. possède maintenant 175 membres choisis par un comité de ballotage. Le bureau de direction actuel est composé

comme suit:

Monsieur Paul Giguère Président, Roger Fortin Vice-

monsieur Paul Giguère Président, Roger Fortin Vice-Président, Gaston Aubin secrétaire-trésorier, Claude St Gelais Président Ex-officio, Léo Lebel Directeur Conseil, Jean-Louis Bluteau Directeur de la publicité, Marcel Lessard Directeur des Loisirs, Jacques Monfette Directeur des Activités, André Truchon Directeur Technique, Walter Boucher Directeur des Relations Extériennes, et Pierre Joron Coordonateur. Section Lactériennes, et Pierre Joron Coordonateur. Section Lacterienses, et Pierre Joron Coordonateur. Section Lacterienses, et Pierre Joron Souchard secrétaire. A date le Club XM 54 Inc. compte des activités d'envergures: Surveillance et communications du Rallye des Neiges, régions Saguenay-Lac-St-Jean, devenche et découverte de trois pêcheurs disparus depuis plusieurs jours sur let bords du Saguenay. Surveillance et communications du marathon de la course de canots entre Chicoutimi et Bagotville. Communications lors entre Chicoutimi et Bagotville. Communications lors de la Traversée Internationnales du Lac-St-Jean à la nage (installation de 12 chaloupes avec CB). Montage d'un kioske démonstraateur à la grande exposition ré-

gionale. Communication du Tour Cycliste Saguenay-Lac-St-Jean, un parcours de 250 milles en trois jours. Communications lors de l'arrivée desc oureurs du Tour Cycliste St Laurent à Chicoutimi (coopération avec la police locale). Semaine de Sécurité routière, relais par CB entre les voitures de patrouilles policières, ambulances et Kioskes de Prudentia: Résultat, aucun accident mortel dans les zones controlées: Parc des Laurentides et Chicoutimi Métropolitain. Sauvetage d'un yacth qui allait sombrer à environ 8 milles de Chicoutimi. Surveillance et dépistage d'automobiles suspectes, recherche d'un garçon disparu à Arvida. Bienvenue aux visiteurs: Contacts sur 11 et 18.

Bureau Chef: Chicoutimi C.P. 501 secrétaire: Gaston Aubin Chicoutimi XM 54-252, Publiciste: Jean-Louis Bluteau XM 54 177 73 Duvernay Chicoutimi.

In the Ottawa area a club has been in existence for quite some time and now they are completely organized they will be keeping me informed of all their activities through APRE Allan Barnes.

This organization is officially known as the "XM49ERS Emergency Radio Squadron of Ottawa" and they monitor Channel 13. They have in their Squadron a membership of thirty civicminded CB'ers and this number is increasing at every meeting. The executives are as follows, Squadron Leader XM49-769 Romeo Sylvester, Assistant Squadron Leader and Secretary XM149-815 Allan Barnes (S9 APRE), Treasurer XM49-606 Sam Baker, Assistant Treasurer XM49-649 Ed. Skulsky. Most members have both mobile and Base units and for Squadron purposes they have a forty foot portable tower.

This tower is carried on a trailer and towed by a Squadron truck. They have within their membership CB'ers who own pleasure boats and these CB'ers have formed a Marine Division. They are also equipped with several qualified skin divers. Earlier on this year they were called to assist in the search for a missing person in the Hawksbury Ontario area. They placed fourteen mobile units at the disposal of the authorities along with their mobile tower.

Unfortunately the search had an unhappy ending as the missing person was found

drowned in the Ottawa River. Since this call they have proceeded to take on greater and more important tasks. One of the municipal police force may be making use of their services in the near future. They have hopes of forming in the very near future a National Organization of Emergency Radio Squadrons. To form this they will require suggestions and support. I have mentioned this type of operation before so maybe in the near future the NOERS may be the Canadian counterpart to REACT. Please let us know if you are interested and any proposals that you may have.

Thanks for joining us Allan. From the General Radio Emergency Club, XM22-444 Paul Cross, Public Relations Director writes their club was formed in November 1963 and they have approximately 100 members. XM22-060 Jack Zaychuk, President (24 hour monitoring XM22-160 Ray Stonehouse) XM21-292 Mrs. Happy Hall, Secretary, XM22-401 Metro Magas Social Committee. They started publishing their club paper in October. They are also going to publish a Provincial Directory and any one interested may write to Box 5005, Station E, Edmonton, Alberta for information. As this is my home town I am very interested in their future developments. Paul Cross has been made an S9

If you want to meet a future CB'er who has really progressed, write Bob Wood XE3PE1SM /VE3MK3A, Box 67, Tilbury, Ontario.

Has anyone written to Lloyd MacDonald XM64-040 of the Cape Breton Citizens Band Radio Club, P.O. Box 263, Sydney, Nova Scotia. This is a new club and they would like any interested parties to write and give them some ideas.

If all Canadian APREs will write I will send you decals for your car or base station, please

state your choice.

Do you have an APRE in your area? It could be you, how about it. I haven't seen a copy of the Squelch lately. What has happened Van-couver? The CB'ers in Penticton, B.C. have been getting a mention in a New York City newspaper, that's publicity for you Ben Biro.

Please send me your comments on the articles in French, % S9. The editor would certainly appreciate the letters, and so would our advertisers. I attended the Third Annual CB Get Together at 3 Rivers Inn, New York and must admit I had a ball. There were well over 700 people present including quite a few Canucks who made the drive. Carl Shaw, KIC6884, told me that it will be bigger and better next year if this is possible!

If every CB shindig was like this I would quit work and just travel around to see them all. If you are having an event and you are fairly close to our border ask John Krejc to mention in his column CB Chit Chat that it may be wise to direct some information to us

up here.

Well that's all for this month, hope to have more news from the West and also more from La Belle Province and Eastern areas.

BUY AT WHOLESALE!

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

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

2. High quality PL-259 coaxial connectors at a rate which can't be beat. We offer these at less than 35ϕ each in lots of 100. Yes! 100 for only \$34.95. Check this price against any other source. Great idea for clubs!

3. Coaxial feed-thru capacitors





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BEST BETS FOR LISTENERS ON THE DX BANDS by RICK SLATTERY



tions on his Heath HR-10 and U.S. Army BC-312 receivers.

SWL Records, 4017 Jackson Avenue, Culver City, Calif., asks us to tell you about their latest aid to DX'ers. This is a 12 inch LP recording of actual broadcasts, interval signals, station ID's, station music, anthems of many overseas shortwave stations. A few of the stations on the recordings are Radio Baghdad, Radio Berlin International, Kol Zion, Voice of Free China, and the well known Solomon Islands Broadcasting Service. Cost of the album is \$3.95 (postpaid) in the States. In other countries it's \$4.75. Sounds like something which will give any serious DX'er an edge in identifying the tough ones.

This mass of electronic gear depicts the SWL/CB shack of Henry E. Gillette, KHD-2324, of Hopkinsville, Ky. Listening for 11 years now, Henry has logged some 31 countries and has QSL's from about 28-a pretty good percentage. He says that the best sky hooks he has used for listening are v-e-r-y long wires.

Word from Bob Wood, Tilbury, Ont., Canada, is that you'll hear Senegal with nice signals at 1425 EST on 9720 kc/s. Radio Cairo comes through at 1700 EST on 9475 kc/s, and Brazzaville (Congo) puts in a fantastic signal at 1400 on 16190 kc/s. Bob inhales the kilocycles with a Hallicrafters S-77A and a 132 foot Windom antenna.

Ronald F. Smeltzer, Montreal, P. Q., Canada, sends along word of a medical expedition to Easter Island aboard *HMCS Cape Scott*. The vessel has a ham station aboard which will be in contact with VE2CBC of the Canadian Broadcasting System. The station will be on the air 1130 to 1200 and 1500 to 1800 on the 20 meter band. Ron hopes to hear these sta-



Another nifty looking shack is presented by Jack Mutzabaugh, KID6235, Duncansville, Pa. The Heath CB-1 has been converted for the C.A.P. frequency of 26.620 kc/s. Main shortwave receiver at Jack's place is a Hallicrafters S-119.

A report from Jack Gould, Radio-TV Editor of the *New York Times* newspaper, sends along word on how to hear Bordeaux, France, on the

broadcast band. They operate on 1214 kc/s and can frequently be heard after WCAU (in Philadelphia), 1210 kc/s, signs off at 0110 EST on Mondays. The BBC Breakfast Show can be heard on 1214 kc/s too at that time. Sometimes the WCAU carrier stays on and doesn't permit this reception, so there's a bit of luck involved.

Ken (didn't tell us his last name) in Allentown, Pa., says to look for *Radio Prague* on 7395 kc/s at 2000, also *Radio Budapest* at 1930 EST on 11910 kc/s.

Domenic N. Meriano, KKB0817, Bridgeport, Conn., uses a Lafayette HB-10 receiver and has no complaints. His log includes many countries and his QSL list includes such winners as Radio Norway, Radio Switzerland, Radio Japan, Radio Nederland, and Radio Ghana.

Down Virginia way we hear from James Burton III about some interesting "utility" stations. First, Jim reports station KCA999 of the New Hampshire State Police heard nightly on about 1700 kc/s. This station can be heard on any regular broadcast band receiver and will QSL if you send them a prepared postage-paid postcard for them to return to you. He also hears a station sending the letters "NB" (________) very slowly in code on the low end of his broadcast receiver and wants to know what it is. We have heard it too and have pinned it down as an RCAF beacon in North Bay, Ont. The reception reported here is the fruit of a Hallicrafters 8R40 receiver.

Late word from the gang at Radio Sweden's DX headquarters informs us of the following DX tidbits: Radio Ceylon, 2300 EST, 6185 kc/s; Radio Central, Vinces, Ecuador, 1800 to 0000 EST on 4450 ke/s; Radio Ghana, Acera, Ghana, 0945 EST on 21545 ke/s; Radio Rumbos, Venezuela, 1830 EST on 4970 kc/s; Radio Finland, Helsinki, 0840 EST on 9555 kc/s also 1100 EST on same frequency; Radio Nacional, Lima, Peru, 1725 EST on 3960 kc/s; La Voz de la Patria, Caracas, Venezuela, 1830 EST on 3250 kc/s; Radio Lux, Olanchito, Honduras (callsign: HRVL), 1250 to 0100 EST on 4890 ke/s; Radio Sweden's special broadcasts for SWL's are on Tuesdays at 1445 EST on 11705 ke/s; and Radio Vilnius, Vilnius, Lithuanian SSR, 1900 EST in the 42 meter band.

Utility listeners should give a listen to 3215 kc/s for stations of the U.S. Coast and Geodetic Survey. Heard so far are WTDF (SS Rownsend Cromwell), WTDA (SS Charles A. Gilbert) and WZ2006 aboard the George Callio. These ships are probably on the west coast and will be heard only by west coast listeners. East coasters can satisfy themselves with 8913 kc/s which has been a-buzz with interesting aeronautical stations in the North Atlantic area.

Listeners are requested to send reports in to

this column.

CB IN ACTION By Les Hench, KHA3272 Sales Manager

Pearce-Simpson, Inc.
"SYNTHESIZERS"—by Guest writer Harold Peterson,
Pearce-Simpson Research Engineer

Synthesizers are being used extensively in CB today. This column should help to explain just what they are and how they work.

As applied to CB radios, the synthesizer circuit is primarily a crystal saver circuit. By its use, it is possible to replace the 46 crystals which would normally be required to cover the 23 CB channels with as few as 11 crystals. Basically, it provides you with a super-heterodyne transmitter much like your receiver.

mitter much like your receiver.

When two frequencies are beat together, two new frequencies will be created. One will be equal to the SUM of the two frequencies and one will be equal to their DIFFERENCE. If we beat a frequency of 33 mc. with one of 6 mc., we will create one of 39 mc. and one of 27 mc. Of the 4 frequencies that we now have, only one, the 27 mc. one, will be within the CB band. For simplicity, this frequency has been chosen rather than an exact channel frequency. Selective circuits can easily remove the unwanted frequencies and only the desired frequency will result. Synthesizers work in this manner.

will result. Synthesizers work in this manner.

The problem created is that while this will give us a transmit frequency, we also need another frequency separated from the channel frequency by the IF frequency of the receiver, which can be used for receive operation. The usual arrangement is to beat two frequencies, for example 37 mc. and 4 mc. to obtain a 33 mc. frequency. This can now be used for the receiver if we use a 6 mc. IF. The 6 mc. 1st IF can now be beat against another frequency of 5.545 mc. to obtain a 455 kc. 2nd intermediate frequency. For the transmit function, we reverse the procedure and beat the 33 mc. frequency with one of 6 mc. and end up with the 27 mc. frequency that we need.

In the above example, 3 crystal oscillators will be required to produce the desired frequency. By the use of 10 crystals of the correct frequency plus the 6 mc. transmitter crystal and the 5.545 mc. receiver crystal, it is possible to cover all 23 channels of the cirizens band. (Plus one at 27.235 mc. which is not available for CB use and which must be removed by the switching arrangement.) The biggest problem in the above system is that every frequency has harmonic frequencies and if some of these harmonics beat together or with some of the unused beat frequencies or a primary frequency, they may fall so near the channel frequency that the tuned circuits cannot adequately remove them. If this happens, we will have "birdies" when we receive and may have spurious frequencies in the output of the transmitter, all of which is highly undesirable. Three oscillators running can create a lot of unwanted frequencies and some of them are bound to be close to the desired frequencies.

Pearce-Simpson's exclusive HetroSync® circuit (used in the GUARDIAN 23) is a big improvement in this respect. Only two oscillators are operated at any one time and by the correct selection of frequencies, no undesired frequencies of any magnitude fall near the channel frequency while any very weak ones that may be present are easily removed by the tuned circuits. The HetroSync® circuit works as in the first example: a 33 mc. frequency is beat against a 6 mc. one to obtain 27 mc. when we transmit. When we receive, the 33 mc. frequency is beat with the incoming 27 mc. one to give us a 6 mc. If which is in turn bear with a 6.455 frequency to obtain the 455 kc. 2nd IF. The first IF isn't always exactly 6 mc. but will vary from 5.995 mc. to 6.035 mc. depending upon the channel that is being received. This is of no consequence since the first. IF provides only image rejection while the 2nd IF provides the selectivity for a dual superheterodyne receiver. Fourteen crystals are required instead of 12 in the HetroSync® circuitry; however, two oscillator and mixer stages are removed and along with them all of the "birdies" and any change of spurious emissions from the transmitter.

WIN A COMPANION CB

And don't forget to send in your "CB in Action" story. If we use it in this column, you will receive a brand new COMPANION 11 CB. Write to Les Hench, Sales Manager, Pearce-Simpson, Inc., 2295 N.W. 14th Street, Miami, Florida 33125.

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CARD

SWAPPERS

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 Vanderventer Ave., Port Washington, N. Y. 11050. Here are the winners of the black, red and gold certificates for the past month.

SACA 194 John France, KEJ5869, Riverside, Calif. 195 Wayne Shumway, KHA5298, Chicago, Ill.

196 Duke Banks, KKA4451, Westfield, Mass. 197 Jean DuBois, KKD6389, Middletown, N.Y. 198 Lois Lowell, KCD6109, Sellersville, Pa.

199 Walt Wise, KFA4659, Anaheim, Calif. 200 Marilyn Wise, KKX4804, Anaheim, Calif.

201 Alan Rubin, Cobleskill, N.Y.

PX -25 371 Lynn Ozenghar, Yucca Valley, Calif.

372 Peter Gabrielli, KID4563, Rochester, N.Y. 373 Kenneth Rateliff, New York, N.Y.

374 Wayne Shumway, KHA5298, Chicago, Ill.

375 Jay Dubner, No. Bellmore, New York

376 Randy Hittle, WPE8HSH, Defiance, Ohio 377 Paul Cross, XM22444, Edmonton, Alta. Canada

378 William Cody, Jamestown, Tenn. 379 Bill Howell, KDB0371, Aiken, S.C.

380 Alan Rubin, Cobleskill, N.Y.

PX -50 321 Alice Gourley, KLK7667, Jacksonville, Ill.

322 Lynn Ozenghar, Yucca Valley, Calif.

323 Stuart Cash, KDD9708, Chattanooga, Tenn.

324 Peter Gabrielli, KID4563, Rochester, N.Y.

325 Kenneth Rateliff, New York, N.Y.

326 Robert Vance, KLN4913, Cleveland, Ohio

327 Wayne Shumway, KHA5298, Chicago, Ill.

328 Ed Myers, KHB2216, South Bend, Ind.

329 Ernie Wagner, KHC5181, Ashley, Ill.

330 Jay Dubner, No. Bellmore, N.Y.

331 Paul Cross, XM22444, Edmonton, Alta.Canada

332 Ralph Bryant, KBC6510, Fairfield, Conn.

333 William Cody, Jamestown, Tenn.

334 Steven Scherer, KLK3190, Fowler, Ind.

PX -75 249 Lynn Ozenghar, Yucca Valley, Calif.

250 Steve Yankee, 19A5551, Manistee, Mich.

251 Kenneth Rateliff, New York, N.Y.

252 Wayne Shumway, KHA5298, Chicago, Ill.

253 Alice Gourley, KLK7667, Jacksonville, Ill. 254 Paul Cross, XM22444, Edmonton, Alta Canada

255 Edward Bassett, KLJ6061, Toledo. Ill.

256 Ralph Bryant, KBC6510, Fairfield, Conn.

257 Blake Peoples, KLP7447, Johnson City, N.Y.

PX-100

230 Albert Gourley, KLJ7870, Jacksonville, Ill. 231 Lynn Ozenghar, Yucca Valley, Calif.

232 Steve Yankee, 19A5551, Manistee, Mich.

233 Wayne Shumway, KHA5298, Chicago, Ill. 234 Ed Myers, KHB2216, South Bend, Ind.

235 Jean DuBois, KKD6389, Middletown, N.Y.

236 Paul Cross, XM22444, Edmonton, Alta.Canada

237 Bill Howell, KDB0371, Aiken, S.C.

238 Dale Fletcher, KKX5201, Yucca Valley, Calif. 239 Ralph Bryant, KBC6510, Fairfield, Conn.

S9 = more news, more authors, more value!

240 Gene Cagle, KKP3468, Coral Gables, Fla.

PX-125 164 Wayne Shumway, KHA5298, Chicago, Ill.

165 Big Bill Britton, KLN7118, Dayton, Ohio 166 Bill Howell, KDB0371, Aiken, S.C.

167 Lois Lowell, KCD6109, Sellersville, Pa.

168 Marilyn Wise, KKX4804, Anaheim, Calif.

169 Ralph Bryant, KBC6510, Fairfield, Conn.

170 Ronald Sauriol, KBD2925, Worcester, Mass.

171 Albert Gourley, KLJ7870, Jacksonville, Ill.

172 Bobby Denholtz, KBI8237, Short Hills, N.J.

173 Dale Fletcher, KKX5201, Yucca Valley, Calif.

PX-150

131 Wayne Shumway, KHA5298, Chicago, Ill. 132 Raymond Turek, KGC0267, Denver, Colo.

133 Lois Lowell, KCD6109, Sellersville, Pa.

134 Marilyn Wise, KKX4804, Anaheim, Calif.

135 Ben Biro, XM15065, Penticton, B.C. Canada

136 Ralph Bryant, KBC6510, Fairfield, Conn.

PX -175 121 Wayne Shumway, KHA5298, Chicago, Ill.

> 109 Wayne Shumway, KHA5298, Chicago, III. 110 Walt Wise, KFA4659, Anaheim, Calif.

MSA

142 Wayne Shumway, KHA5298, Chicago, Dl. 143 William Kocher, KCD5000, Bethlehem, Pa.

144 Walt Wise, KFA4659, Anaheim, Calif.

145 Ralph Bryant, KBC6510, Fairfield, Conn.

146 Ben Biro, XM15065, Penticton, B.C. Canada

SSC-1 161 Raymond Turek, KBC0267, Denver, Colo.

162 Bill Howell, KDB0371, Aiken, S.C.

163 Wayne Shumway, KHA5298, Chicago, Ill. 164 William Kocher, KCD5000, Bethlehem, Pa.

165 George Hunt, KBJ1722, Middletown, N.Y.

SSC-2 132 Wayne Shumway, KHA5298, Chicago, Ill.

133 Lee Willick, KCJ3880, Raleigh, N.C.

134 Bill Howell, KDB0371, Aiken, S.C.

SSC -3 115 Wayne Shumway, KHA5298, Chicago, Ill.

SSC-4 110 Wayne Shumway, KHA5298, Chicago, Ill.

SSC-5 107 Wayne Shumway, KHA5298, Chicago, Ill.

108 Walt Wise, KFA4659, Anaheim, Calif.

SSC-6 106 Wayne Shumway, KHA5298, Chicago, Ill.

SSC -8 106 James Cross, KCF0823, Hagerstown, Md.

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 Vanderventer Avenue, Port Washington, N. Y. 11050. Deadline for listing in the April issue is February 12th.

Here are this month's swappers:

			John Krejc, 60 Division Ave., Garfield, N.J.
1W3143	Rich Abrams, Bayne Street, Norwalk, Conn.	KB18077	Al Harris, Box 252 Overlook Dr., Neptune, N.J.
1W6216	Errol Engraving, 36 Hampden St., Westfield, Mass.	KBI9330 KBJ1375	Bob Hildenbrand, 53 Hill St., Saugerties, N.Y.
2Q0152	Karl Weiss, 245 Ashmore Ave., Trenton, N.J.	KB11495	Irving Trachtenberg, 56 Warren St., Ellenvillé, N.Y.
2Q1147	George Delaney, 308-47th St., Union City, N.J.	KBJ1722	George Hunt 353 Highland Ave., Middletown, N. Y.
2Q1911	William Plog, 11 Gould Road, Centereach, N.Y.	KBJ1921	Paul Price, 117 No. Montgomery St., Valley Stream, N.Y.
3Q1618	Everett Lindsey, R.D.1, Mount Holly, N.J.	KCC1515	Orville Wright, 5856 Chestnut St., Phila., Pa.
4W2520	Robert Brill, 1234 Woodstock Lane, Winchester, Va. Elwyn Beam, Rt. 2, Vale, N.C.	KCC1541	Donald Berle, 228 California Rd., Quakertown, Pa.
5Q2178	Glenn Poore, 1316 Hixson Pike, Chattanooga, Tenn.	KCC1860	Hank Thompson, 915 High St., Bethlehem, Pa.
6Q0054 6Q0914	Paul Skidmore, Box 243, Rockwood, Rt. 1, Tenn.	KCC2443	Bill Keefer, 31 N. Queen St., Littlestown, Pa.
6Q4378	Ernest Watson, P.O. Box 104, Alpharetta, Ga.	KCC2976	Alta Dicks, 320 N. High St., Millville, N.J.
6Q4672	Emory Gilbert, 307 West 7th St., Louisville, Ga.	KCD1896	Howard Taylor, South DuPont Rd., Penns Grove, N. J.
6W4390	Claude Witt, 814 S. Webb Ave., Crossville, Tenn.	KCD3380	Larry Karlin, 6346 Algon Ave., Philadelphia, Pa.
6W7263	Bill Orton, 905 Altamaha St., Chattanooga, Tenn.	KCD3398	May Miller, R. D. 2, Kempton, Pa. Mike McClatchy, Bowker Rd., Medford Pines, N. J.
8Q1009	Sid Coryell, 4502 W. 29th St., Little Rock, Ark.	KCD4540	Earl Rogers, 224 Tuscany Rd., Maple Gardens, Chester, Pa.
901310	Chuck Page, 1309 Fannin, Bryan, Texas	KCD5154	Bernie & Phyllis, 1509 Bondridge Rd., Wilm, Del.
12Q1341	Dave Jensen, 815 "B" St., Yuba City, Calif.	KCD5491	Lois Lowell, R.D.2, Sellersville, Pa.
17W3325	Pete Nosler, 1144 Pineridge, Wichita, Kansas	KCD6109 KCE0001	Tom Gerhart, 38 E. Lincoln Ave., Robesonia, Pa.
17W5449	Henry Hawkins, R.R.1-Box 86, Fairgrove, Mo.	KCF0823	Jim Cross, 755 S. Potomac St., Hagerstown, Md.
18B2648	Glenn Davis, 6143 N. Rockwell St., Chicago, Ill.	KCF1224	Harold Channell, Box 126, Alexandria, Va.
18B2698	Maxine Dick, P.O. Box 167. Kokomo, Ind.	KCG0706	Eddie Becker, 4305 Franconia Rd., Alexandria, Va.
18Q4913	Tom Leadbetter, R. R. 4-Box 40, Muncie, Ind.	KCG1087	Barney Ross, 425 Garden St., Washington, D.C.
18Q8866	Richard Cary, Rt. 4, Box 176, Russell Springs, Ky.	KCG1835	Edsel Peacemaker, Rt. 2, Winchester, Va.
18QA1528	Fred Schuemelfeder, 316 West Park Rd., Round Lake, Ill. Steve Yankee, 357 1st St., Manistee, Mich.	KCG2199	Robert Willasch, 1362 Stonewood Rd., Baltimore, Md.
19A5551	Stan Sickler, 2310 Commor, Hamtramck, Mich.	KCG3068	Ricky Lowman, 1001 W. Addition St., Martinsburg, W.Va.
19A5964	Charles Ash, Box No. 66, Tippecanoe, Ohio	KCG3569	Charles Berry, Nomreh Road, Rt. 3, Crestwood, Salisburg, Md.
19A6598 19Q0707	Jim White, Box 108, Syracuse, Ohio	KCG3689	Jane Ross, Box 188, Eastville, Va.
19Q0707 19Q8152	John Kasten, 5916 Westbrook Dr., Brookpark, Ohio	KC11656	Allen Clair, 2847 Cannady Rd., Roanoke, Va.
1909470	Adrian Fallert, 121 N. "C" St., Hamilton, Ohio	KC12842	Clarence Moore, Rt. 4-Box 34, Thomasville, N.C.
19QA0442	Art DeFrain, Harbor Beach, Mich.	KC12904	Jim Rawles, 7008 Belvedere Dr., Newport News, Va. Tommy Rogers, P.O. Box 158, Indian Trail, N.C.
19W8131	Robert Tatum, 23748 Haig Rd., Taylor, Mich.	KCI5174	James Deavers, Box 214, Bladenboro, N.C.
20Q0255	Philip Lundy, 48 Sodus St., Clyde, N.Y.	KCJ0690	Kermit Minter, 314 W. Maryland Ave., Draper, N.C.
20Q1360	Ivan Smith, 419 Water St., Danville, Pa.	KCJ1066	Hazel Stubbs, P.O.Box 1076, Rockingham, N.C.
20Q1272	David Covert, College Park Dr., Barbourville, Ky.	KCJ2292	R.K.Harris, 513 McDonald Ave., Charlotte, N.C.
20Q1360	Ivan Smith, 419 Water St., Danville, Pa.	KCJ2780 KCJ4911	Jearl Bishop, 1801 Chatham Ave., Charlotte, N.C.
20Q4816	J.F.Simpson, Box 56, R.D.3, Everett, Pa.	KCJ5002	I I Kirkland Route 5, Raleigh, N.C.
20W4113	Harry Prosser, 228 Jackson Ave., Cresson, Pa.	KCJ5002 KCJ5092	Doug Paynter, 1001 East Jefferson St., Charlottesville, Va.
KAG1649	Al Young, 350 Van Winkle Ave., Hawthorne, N.J.	KCJ5269	Lawrence Paysour, Box 591, Dallas, N.C.
KAG2486	Dave Buda, 717 Centre St., Nutley, N.J.	KC[6180	Buddy Williamson, 604 Gillespie St., Greensboro, N.C.
KA19810	Earl Urbelis, 60 Boulevard, Greenlawn, L.I., N.Y.	KCJ6413	Wendell Proco, Route 1, (rt. 114) Cambria, Va.
KBA3924	Edward Davis, St. George, Maine	KCJ7698	Joel Dawson, 1125 Tabor St., High Point, N.C.
KBA5557	Ted Cummings, Bellflower Rd., Billerica, Mass. Maurice Collamore, Round Pond, Maine	KCJ7737	Allon Clarke, 1009 Hamilton Ave., Clifton Forge, Va.
KBA8941	Vince Melendy, Spring St., Bedford, Mass.	KCJ8021	E.B.Baker, Box 2660, Va, Tech Sta.A, Blacksburg, Va.
KBC0209 KBC0533	Ruth Charon, 109 Bowers St., Holyoke, Mass.	KCJ8028	Buck Buchanan, 2923 West Marshall St., Richmond, Va.
KBC4768	George Sherman, 25 Church St., Rutland, Vt.	KCJ8516	The Morrison's, 826 Longview Dr., Woodbridge, Va.
KBC 5455	Sandy Fitzgerald, 30 Stevens St., Chicopee, Mass.	KCJ8765	T.L. Matlock, RFD 5, Box 558, Greensboro, N.C.
KBC6510	Ralph Bryant, 716 Riverside Dr., Fairfild, Conn.	KCJ9372	Gene Andrews, Rt. 5, Box 204, Glen Allen, Va.
KBC6692	Mert Swett, RFD 1 Raymond Hill Rd., Uncasville, Conn.	KDB0371	Bill Howell, 545 Palmetto Lane, SW, Aiken, S.C.
KBC6819	Robert Giustina, 68 Dunmoreland St., Springfield, Mass.	KDB4928	Paul Sheriff, 312 Piedmont St., Westminster, S.C. Jimmy Phillips, 2128 Highland Ave., Knoxville, Tenn.
KBC8093	Dennis Cidale, 17 Water St., Stonington, Conn.	KDB5517	Jerry Pater, 1195 Dale Road, Hamilton, Ohio
KBD0092	Bob Foster, 37 Linnea Lane, Reading, Mass.	KDC0390	Raymond Sheely, Box 95, Petersburg, Ohio
KBD0454	Ed Harhausen, 20 School St., No. Woburn, Mass.	KDC0843 KDD1522	Don Huntley, P.O. Box 2642, Asheville, N.C.
KBD0747	Herb Girard, 348 Carrington Ave., Woonsocket, R.I.	KDD1322 KDD1522	Darlene Hill, Rt. 5-Rutherfordton, N.C.
KBD1222	Judy Bloxsom, 1647 Park Ave., Bridgeport, Conn.	KDD1322	Michael Ashby, 316 S. Franklin St., Tullahoma, Tenn.
KBD1300	Ray Grele, 9 Argyle Circle, Seymour, Conn.	KDD6368	Dennis Laxton, Rt. 3-Box 387, Lenoir, N.C.
KBD2143	Clarence Rairdon, Houlton, Maine	KDD6991	Louise Sheriff, 312 Piedmont St., Westminster, S.C.
KBD2689	Lawrence Dawson, RFD 3, Houlton, Maine Ronnie Sauriol, 62 Circult Ave.N., Worcester, Mass.	KDD7539	L.E.Cody, Box 412, Jamestown, Tenn.
KBD2925	Buck Lambert, RFD 1, Lebanon, N.H.	KDD7568	William Beem, P.O. Box 52, Russellville, Ala.
KBD4096 KBD4622	Wayne McGrath, Prospect St., Cheshire, Mass.	KDD8403	Lloyd Coop, 506 E. General St., Tullahoma, Tenn.
KBG0381	Frank Ellis, Germantown, N. Y.	KDD9708	Stuart Cash, 1109 Mississippi Ave., Chattanooga, Tenn.
KBG2292	Hermann Schulz, 471 Hilltop Rd., Yorktown Heights, N. Y.	KDE0198	Albyne Watson, P.O. Box 104, Alpharetta, Ga.
KBG4667	John Krueger, 23 Standpipe Rd., Freehold, N.J.	KDE0565	Rodney Wise, P.O. Box 2953, Asheville, N.C.
KBG6576	Charles Arnwine, 725 South Broad St., Trenton, N.J.	KDE 1377	George Geriner, 4087 Leweir St., Memphis, Tenn.
KBG7180	Par Purcell, 99 Harvard Dr., Hartsdale, N.Y.	KDE2266	Richard Bolding, 805 W. Crawford St., Dalton, Ga.
KBG7387	Gerry Schechter, 3535 Kings College Place., N.Y., N.Y.	KDE3532	Willard Laughter, Edneyville, NC.
KBG7687	Robert That cher, R.R.1-Box 59-B2, Hudson, N.Y.	KDH1318	Robert Dwyer, 105 McKinley Ave., Cocoa Beach, Fla. Bill Cherry, P.O. Box 1114, Vero Beach, Fla.
KBG8079	Alvin Allen, 610 Prospect Ave., Spring Lake Heights, N.J	KD11289	Donna Wiley, 1601 Cimarron Trail, Wichita Falls, Texas
KBG8153	Betty Krueger, 23 Standpipe Rd., Freehold, N.J.	KDI3211	Nick Miller, Box 3006, St. Petersburg, Fla.
KBH0301	Jack Whittier, 2400 Johnson St., Janesville, Wisc.	KDJ0332 KEB1659	Ed Field, P.O. Box 481, Gautier, Miss.
KBH0797	Stan Shafer, 2205 North E St., Richmond, Ind.	KEB1661	Bob Fancher, Darling, Miss.
KBH0853	Tom Walton, 324 Kenilworth Rd., Louisville, Ky.	KEB2231	Central Printing, 920 Vandeventer, Fayetteville, Ark.
KBH1426	Fred Stearman, R.R. #1-Box 16, Erie, III. Hank Mancura, 64 Meadow Lane, Levittown, L.1., N.Y.	KEB4002	Robert Mayer, 306 West 8th, North Little Rock, Ark.
KB10275	Narce Radkiewicz, 1015 Cross Ave., Elizabeth, N.J.	KEB4580	Jerry Barnes, Box 219, Suffolk, England
KBI2083 KBI2123	Richard Rios, 2897 Ardsley Rd., Wantagh, L.1., N.Y.	KEB4662	Erman Hunt, 3055 Conway Dr., Baton Rouge, La.
	John James, 299 1/2 Lark St., Albany, N.Y.	KEB4740	Ken Rateliff, Box 2936, Suffolk, England
KBI3455 KBI3957	Mitch Berson, 67-45 Kissena Blvd., Flushing, N.Y.	KEB5598	Jean Rateliff, Box 2936, Suffolk, England
KB16480	Art Scheid, 2 Essex Place, Hartsdale, N.Y.	KEE1986	Jim Hawkins, 2502 Spokane Road, San Antonio, Texas
KBI7938	Joe DiGialmo, 287 E.29 St., Paterson, N.J.	KEE 2031	John Wasson, 334 Cypress, Lake Jackson, Texas
KB18034	Lester Starnes, Box 32, Fort Monroe, Va.	KEE 2099	Bill Hills, 181 Linda Circle, Ocean Springs, Miss.

KEE3761	H.Broaddus, 1300 Kyle Rd., Clute, Texas	KH10402	Bill Palmer, 120 Ohio Ave., Wadsworth, Ohio
KEH0445	Wally Williams, 1428 Purdue, Oklahoma City, Okla.	KHI1036	John Lathrop, Rt. 2-Box 101, Richland, Mich.
KEH0651	Bill Larsen, 624 Proctor, Midwest City, Okla.	KHI2703	J.R. McClure, Rt. 1-Box 217, Yawkey, W. Va.
KEH1105	Fred Kimbro, 213 N. Edmond, Muskogee, Okla.		
KEH2115	Ray Harper, Box 1083, Lubbock, Texas	KHI2786	Don Steinmetz, 125 N. William St., Marine City, Mich.
KEH4157		KH12916	Larry Bauder, 120 Bradley Rd., Midland, Mich.
	Bill Shoemaker, Rt. 1, Box 144, Skiatook, Okla.	KH12952	Bill Culver, 119 East Brooks, Howell, Mich.
KEH5846	Kenneth Bales, Box 295, Guymon, Okla.	KH14300	Larry Doyle, 171 Gregory Lane, Hamilton, Ohio
KEH6424	Melvin Ervin, 112 West Madison, Mangum, Okla.	KH15457	George Barker, 343 N. 27th St., Battle Creek, Mich.
KEH7235	John Glover, 2428 Hugo St., Dallas, Texas	KHI5814	Glenn Barth, 11918 Brighton Ave., Cleveland, Ohio
KEJ0071	Melvin Nutting932 Western Ave., Colt⊗n, Calif.	KHI6363	Jim Dawson, 820 Orange St., Coshocton, Ohio
KEJ5828	John Hamner, 12350 So. Fern Ave., Ontario, Calif.	KH19979	Gene Taylor, 121 N. Adolph Ave., Akron, Ohio
KEJ5869	Johnnie France, Box 4146, Riverside, Calif.	KHJ1206	Herb Snyder, 1516 Lockwood Rd., Barberton, Ohio
KFA1739	Eddie Davis, 1609 W. 10th St., Santa Ana, Calif.	KHJ1415	
KFA4167	Mike Daugherty, 2736 E. Fairmount, Phoenix, Ariz.		John Bryant, Rt. 1-Box 254-G, Bellefonte, Penna.
KFA4659	Walt Wise, 613 No. Glenwood Pl., Anaheim, Calif.	KHJ1858	Norm Owings, 505 N. Clairmont, Springfield, Ohio
KFA6460		КНЈ2246	Gus Cottis, Rt. 2, Bantam Ridge, Wintersville, Ohio
	Jim Bowcutt, 1521 So. Larchwood, Hacienda Heights, Calif.		Jeff Cunningham, 3317 Orchard Dr., Portsmouth, Ohio
KFA9923	Helen Morse, P.O.Box 1395, Ontario, Calif.	KHJ3477	Donald Belitz, 13474 Enid Blvd., Lake Fenton, Mich.
KFC3866	Rex Mathews, 407 Potomac Ave., Sacramento, Calif.	KHJ4032	Susan Reinhart, 440 Meigs St., Sandusky, Ohio
KFC4415	Jimmy Bennett, 12 Nielson Ave., Yuba City, Calif.	KHJ4679	Irene Wilkinson, 500 Magnolia Ave., Cuyahoga Falls, Ohio
KFD1525	Chuck Watrous, 421 W. 12th St., Tracy, Calif.	KHJ4747	Don Senger, 2650 Mandale, Orchard Lake, Mich.
KFD2055	Chuck Boehnke, P.O. Box 223, Los Gatos, Calif.	KHJ6091	Justus Kunk, No. 13, Pew Place, Scio, Ohio
KFD4230	Neil Sweetland, 2505 Arthur Ave., Fresno, Calif.	KHJ6270	Lois Albright, 110 W. State St., Box 369, Springboro, Ohio
KFD4351	Steve Kruft, 1755 - 29th Ave., San Francisco, Calif.	KHJ6874	
KFD4362	Ron Lesher, 2585 Painted Rock Dr., Santa Clara, Calif.		Richard Cady, P.O.Box 193, Winchester, Ky.
KFD4865	Bob Deming, 548 Vista Mar, Pacifica, Calif.	KHJ7131	Ken Massie, 115 Woodlawn Dr., Ironton, Ohio
KFD4870	Bud Fischer, 1525 Blackstone, Fresno, Calif.	KHJ7217	Ray Smejkal, 2652-A Hickory, Glasgow AFB, Montana
KFD5811		KHJ8472	Doug Thrasher, 1164 Lindsay Ave., Akron, Ohio
	Larry Kluender, P.O. Box 183, Oroville, Calif.	KHJ8843	Bob McCarty, Route 4, Mt. Sterling, Ky.
KFD6256	Sparky Pinola, 3335 Mabel St., Sacramento, Calif.	КНЈ9317	James Denman, 809 E. Bellefontaine St., Wapakoneta, Ohio
KF10835	Williams Appllance, 513 Queen Anne Ave., Seattle, Wash.	KHJ9508	Jim Fosnough, P.O. Box 674, Killeen, Texas
KFI1219	Jack Sudduth, 8103 16th S.W., Seattle, Wash.	KH19558	Ed Leonhardt, 3518 Smithfield Lane, Cincinnati, Ohio.
KFJ0479	Agnes Sudduth, 8103 16th S.W., Seattle, Wash.	KHJ9618	Lou Orgovan, 3303 Cypress Ave., Cleveland, Ohio
KFJ1703	Jim Woodland, 2014 West Broadway, Spokane, Wash.	KHJ9752	
KGC2028	Roy Dakin, 4161 South Lincoln St., Englewood, Colo.		Donald Atzman, 94 Mosher Ave., Battle Creek, Mich.
KGC2289	Rosalie Danielson, 3188 9th St., Boulder, Colo.	KHJ9961	Tim Hamilton, P.O., Box 572, Wooster, Ohio
KGF1070	Lloyd Stark 1200 Current 5 D. 2 W.	KHN1358	Sonny Terrapin, Barnwell, S.C.
	Lloyd Stark, 1209 Sugar Loaf Rt.3, Winona, Minn.	KIA0174	Tom Rogowski, 2915 Noddin Way, Portsmouth, Ohio
KGF1236	Don Nelson, 5912 West 46 St., Sloux Falls, S, Dak.	KIA1323	Nancy Harris, P.O. Box 263, Steubenville, Ohio
KGF1773	Dave Kryzer, 553 East 7th St., Winona, Minn.	KIA1514	Bev. Bashore, 916 N. Miami, Sidney, Ohio
KGF2118	John Neihart, 1590 So. Mississippi Blvd., St. Paul, Minn.	KIC1185	Curt Hammond, Box 85, Rensselaer Falls, N. Y.
KGF3034	Dick Lano, 351 Chatfield St., Winona, Minn.	KIC1207	
KGG0167	Frank Verbanac, 505 E. Houghton Ave., Houghton, Mich.		Arlene Warner, 2273 Mosser Ave., Williamsport, Pa.
KGI2128	John Engle, 8591 Ardelia, St. John, Mo.	KIC2126	Richard Snively, 724 Lesher Ave., Waynesboro, Penna.
KG14148	Bernie Bottenborg 511 Warming Halans M.	KIC2881	Mike Ripski, 72 Mooney Rd., Plymouth, Pa.
	Bernie Bottenberg, 511 Wyoming, Holton, Kans.	KIC3500	Ruthie Bopp, 350 W. 5th St., Lewistown, Pa.
KGI6082	Bill Wilson, 900 South Madison, Plainville, Kans.	KIC5720	Bill Calvert, Box 1111 Unit 1, Machond AFB, Wash.
KGI6100	Robert Schmink, 357 No. Waco, Wichita, Kans.	KIC6037	Elwin Geer, 238 1/2 Farnum St., Wellsville, N.Y.
KG I 7662	Ralph Sheets, 1628 Cherry St., Dallas Center, Iowa	KID 0007	Fred Martz, Hustontown, Penna.
KGI8017	Mel Hammer, Box 326, Valley Center, Kans.	KID0186	
KGI9136	Don Sorrels,8317 Horst Dr., St. Louis, Mo.	KID2541	Kathy Reshetar, 102 1/2 Walnut St., Binghamton, N.Y.
KHA7523	Kay Kagel, P.O. Box 3504, South Bend, Ind.		Bill Shagi, 6950 Shannon Rd., Verona, Penna.
KHA8376	Gordon Velpel, 801 S. Franklin St., Garrett, Ind.	KID2617	George Thayer, 62 Clinton St., Salamanca, N.Y.
KHB1535	Bob Kagel, P.O. Box 3504, South Bend, Incl.	KID4563	Pete Gabrielli, 751 Parsells Ave., Rochester, N.Y.
KHB2113	Risley Farms, RFD. 4-Highway 15 West, Mt. Carmel, Ill.	KID5293	George Gould, Box 42, Hudson Falls, N. Y.
KHB2216	Ed Myers, 509 S. Fellows St., So. Bend, Ind.	KID5959	Bill Price, S. Warsaw Rd., Warsaw, N.Y.
KHB2233		KID6356	Roscoe Harrington, 5 Schuyler St., Hudson Falls, N.Y.
	Harold Conley, 1516 Hedge Rd., Champaign, Ill.	KID6623	George Kline, 508 Monroe St., Jamestown, N.Y.
KHB2646	Shirley Burns, 921 East Curtis Ave., Decatur, Ill.	KID7164	Lyle Powell, Welch Road, Geneva, N.Y.
KHC0280	Dick Dills, 5 West Cherry, McLeansboro, Ill.	KID7260	Stan Breitkopf, 271 Stanton Lane, Rochester, N. Y.
KHC3163	Jerry Hannum, 2107 Marshfield Rd., Lake Villa, Ill.	KID8232	Roy McGregor, R. D. 2, Central Square, N. Y.
KHC4075	Ron Gaulke, 3851 N. 3rd St., Milwaukee, Wisc.	KID8628	Doan Buffington, B. O. Pou, 212, Galacte, N. Y.
KHC4185	Lou Chappell, 3644 E. Minnie St., Decatur, Il.		Dean Buffington, P.O. Box 213, Gabriels, N.Y.
KHC5525	Carl Connolly, 924 Haverford Dr., Lafayette, Ind.	KIE0628	Al Gulley, R.D.3-Box 392, Coraopolis, Pa.
KHC8347	Jim Taylor, Rosine, Kentucky	KJH0080	Robert Grubbs, R. F.D. 3, Winston-Salem, N.C.
KHC8816		KJ10739	Geo. Stump, 817 Wyoming St., Williamsport, Pa.
KHD1402	Gene Butler, R. R. 2-Box 41, Williamsport, Ind.	KJ10777	Johnie White, 311 Owen Ave., Elmira Heights, N.Y.
	Sandy & Tom, P.O. Box 643, Quincy, III.	KJI1072	Len Siedinski, 18 Ames Ave., Tonawanda, N. Y.
KHD1806	Capt. Seaweed, 8874 So. Main, Hometown, Ill.	KJI1893	Andy Denko, 66 Monroe St., Saratoga Springs, N. Y.
KHD4555	Ben Dennis, 2835 Glenwood, Rockford, Il.	KJI2293	Frank Dykeman, 339 Harter St., Herkimer, N.Y.
KHD4705	George Newberry, 1027 W. Douglas St., Freeport, Ill.	KJI2543	Jerry Shawvers, 103 Lauch St., Beaver Falls, Pa.
KHD6168	Leo Hazen, 1224 14th St., Rock Island, Dl.	KJI2623	Dave Jensen, 440 Walker Rd., Walker, N.Y.
KHD6438	Charles Weatherholt, On Highway 140, Alhambra, Ill.	KJI3033	Europe John Col Di
KHD6704	Geo. Corter, 1512 W. School St., Chicago, III.		Eugene Jackson, 896 Blanchard Ave., Chambersburg, Pa.
KHD7375	Joe Winfield, 1671 S. Boeke Rd., Evansville, Ind.	KJI3462	Maurice Wykle, P.O. Box 191, Bradford, Pa.
KHD8505	Lucile Webber Roy 421-4-1 C C	KKA0095	Dick Trapp, Box 259, Stafford Springs, Conn.
KHD8768	Lucile Webber, Box 421-A-1, Spring Grove, Ill.	KKA0608	Sandy Lemoine, 24 Noble St., Springfield, Mass.
	Geo. Jones, 929 Hardin Ave., Jacksonville, Ill.	KKA0658	Jerry Cote, 105 Old Walpole Rd., Keene, N.H.
KHD8790	Ollie Landgraf, 507 Memorial Dr., Chilton, Wisc.	KKA1333	Johnny Williams, 60 Coburn St., Lynn, Mass.
KHE0775	Bob Draves, 8874 So. Main St., Hometown, Ill.	KKA1362	Chet Decker, Darkharbor, Maine
KHE0968	Mick Newton, 634 Madison Ave., Evansville, Ind.	KKA1485	Wendell Dashno, 14 S. Elm St., St. Albans, Vt.
KHG1923	Bob Gillespie, 31805 Densmore Rd., Willowick, Ohio	KKA2191	Alvin Arthur, P.O. Box 27, South Weymouth, Mass.
KHG4493	Chuck Cooley, 2243 Ham. Cleves Rd., Hamilton, Ohio		Sidney Change 27 Cabant Ca Court Paris
KHG4945	C.M.Cooley, 1006 Hooven Ave., Hamilton, Ohio	KKA3124	Sidney Cheney, 37 School St. South Portland, Maine
KHG5522	Vi Holt, Clare, Mich.	KKA3415	The Andersons, 20 Spring St., Reading, Mass.
KHG6303		KKA4451	Duke Banks, 131 Springdale Rd., Westfield, Mass.
	Walter Dodds, 4216 W. 22 St., Cleveland, Ohio	KKA5021	Wendell Palmers, West Peru, Maine
KHG9069	Herb Riggle, Rt.5, Zanesville, Ohio	KKA5072	Bob Knowlton, 166 Pleasant St., Otter River, Mass.
KHG95J4	Kenny Roberts, 1584 Stewart Rd., Lima, Ohio	KKA5305	George Chase, Black's Trailer Pk, RFD 4, Uncasville, Conn.
KHH1353	Geo. Radenheimer, 3121 Andrew St., Middletown, Ohio	KKA5586	Trish Doyle, 379 Farmington Ave., Hartford, Conn.
KHH3134	Flint McCullough, 800 12th St.S.W., Massillon, Ohio	KKA5683	Bob Holmes, King Road, Monson, Mass.
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VV 4 50 10	Kurt Fritzinger, 23 Howard St., Reading, Mass.	KKK5782	Richard Mitchell, 403 E. Delaware, Draper, N.C.
KKA5810 KKA6634	Gordon Newell, 18 Lilly St., Florence, Mass.	KKK6182	Gordon Gallahan, 211 Butler Rd., Fredericksburg, Va.
KKA6783	Frank Gumbus, 725 Stratford Rd., Stratford,	KKK6606	Rob Dalton, Bland, Va.
KKA6885	William Lafond, Eagle Peak Rd., Pascoag, R.1.	KKK7365	Bob Crumpler, Rest Haven, Dunn Rd., Fayetteville, N.C.
KKA7401	Ralph Westerberg, 103 Dauntless Lane, Hartford, Conn.	KKM0562	Bill Gibson, P.O. Box 2004, Macon, Ga.
KKA7816	Anthony Silva, 9 Holway Ave., Provincetown, Mass.	KKM0735	Ebbie Odom, 140 Dupree St., Chester, S.C.
KKA8456	Joe Cambo, 31 Woodbury Ave., Norwalk, Conn.	KKM0911	Grady Hill, 205 Walnut St., Union, S.C. Delmar Gilbert, P.O. Box 1991, Chattanooga, Tenn.
KKA8538	Bud Bayliss, 32 Garfield St., Calais, Maine	KKM1246	Lee Harvey, 2478 Sharondale Dr. N.E, Atlanta. Ga.
KKA8782	Don Russell, R. F. D. 1 - River Rd., Bucksport, Maine	KKM2213 KKM2422	Charles Farmer, 401 Beets St., Clinton, Tenn.
KKA9530	Bob Christensen, 8 Eighth St., Newington, Conn.	KKM2607	John Tallent, P.O. Box 733, Chattanooga, Tenn.
KKA9690	Peter Flynn, 212 Allen St., Springfield, Mass.	KKM4156	Fred Monday, 77 Brownwood Ave., Asheville, N.C.
KKA9788	Steve Kaplan, 91 Valentines St., New Bedford, Mass. Pete Lamontagne, 125 Brook St., Sanford, Maine	KKM4178	Bernie Broster, 150 Thornton Ave., Cedartown, Ga.
KKA9874	Richard Reynal, 82 Pendleton Rd., New Britain, Conn.	KKM4430	Wayne Morris, 630 Vinton St., Erwin, Tenn.
KKB0085	Walter Lacey, 46 Oread St., Worcester, Mass.	KKM7129	Carl Stapleton, Rt. 1-Box 179-N, Helena, Ala.
KKB0087 KKB0210	Ginny Weigel, 119 Shaw St., New London, Conn.	KKM7376	Donald Wilson, 1529 Bush Blvd., Birmingham, Ala.
KKB0553	Dick Waldron, Spruce Head, Maine	KKM9147	John Bessinger, 1 Apple St., Barnwell, S. C.
KKB0712	Steve Chmura, 268 Parker St., Indian Orchard, Mass.	KKM9656	Carroll Rogers, 315 Rogers St., Spruce Pine, N.C.
KKB1195	Bud Gevry, 183 Eash Main St., Chicopee Falls, Mass.	KKN0628	Glenn Owens, Rt.3, Newport, Tenn.
KKB2143	Hazel Banks, 131 Springdale Rd., Westfield, Mass.	KKN0793	G.W.Page, Box 398, Lake View, S.C.
KKB2335	Frank Demoree, 37 Rockway St., Lynn, Mass.	KKN0882	F.L. Parmenter, 229 Ridgeway Rd., Hueytown, Ala.
KKB2445	Bruce Williams, 33 Cedar Way, Stoneham, Mass.	KKN1274	Bob Still, Box 543, Barnwell, S.C.
KKD0117	Dan Weggeland, 173 Madison Ave., Morristown, N.J.	KKN1717	Bud Carpenter, Rt. 3, Box 521A, Erwin, Tenn.
KKD0349	Jack Golden, 5025 Broadway, N.Y.C, N.Y.	KKN2781	George Williams, Walters St., Plains, Ga. Harry Nechetsky, 133 N. Partin Dr., Niceville, Fla.
KKD0491	Mike Kaplan, 37 Fairview Terrace, Maplewood, N.J.	KKP2504	Clark Dickinson, Rt. 2, Box 50, Perry, Fla.
KKD1311	Don Brandt, 1 Farmstead Rd., Short Hills, N.J.	KKP4260	Pat Malone, Darling, Mississippi
KKD1428	Warren Krug, 181 No. Wyoming Ave., So. Orange, N.J.	KKR0133 KKR0741	Clifford Pittman, P.O. Box 105, Tomnolen, Mississippi
KKD1553	Norm Schweitzer, 99 Featherbed Lane, Bronx, N. Y.	KKR2067	J.E.Merryman, Atkins, Arkansas
KKD1946	Allen Neely, 90-26 215 Place, Queens Village, N.Y.	KKR2939	Bobby Sanford, 111 King St., Columbus, Miss.
KKD2305	Art Tress, 4508 Brown St., Union City, N.J. Jay Dubner, 1072 Ruth Place, North Bellmore, L.1., N.Y.	KKR2942	Wayne Williams, 1305 Marquette, Tupelo, Miss.
KKD2495	Charlie Schmeltz, 9 Middle Rd., High Falls, N. Y.	KKR3158	Robert Choate, P.O. Box 314, Simsboro, La.
KKD2679	E, Litke, 18 E, Main St., Beacon, N.Y.	KKT1463	Frank Gainey, 405 South College Ave., Bryan, Texas
KKD2992 KKD3253	Richard Reiss, 105 West 176 St., New York, N.Y.	KKT3677	Jerry Smith, B-4-Z College View, College Station, Texas
KKD3296	George Masny, 299 E. 8th St., New York, N.Y.	KKX5201	Dale Fletcher, 54728 El Prado Trail, Yucca Valley, Calif.
KKD3429	Cliff Share, 132 Greenway, Albertson, L.1., N.Y.	KKX5552	Earlayne Cannell, 7038 W. 85th St., Los Angeles, Calif.
KKD3784	Leonard Waller, 330 West 28th St., New York, N.Y.	KKX5603	Steve Nelson, Box 747, Buellton, Calif.
KKD4640	Dennis Berman, 1332 Anchor Dr., Wantagh, N.Y.	KKX6042	Curly Bartlett, 123 W. Branch St., Arroyo Grande, Calif.
KKD6219	Bob Reedy, 349 N. Boston Ave., N. Massapequa, L. I., N. Y.	KKX7083	James Fuller, 405 Fillmore St., Taft, Calif.
KKD6253	Ronnie Bloom, 1212 North Pierce Ave., North Bellmore, N.Y.	KLA0472	Charley Lively, 1708 Midfield Ave., San Jose, Calif.
KKD6389	Jean DuBois, R.F.D. 4-Chestnut Hills, Middletown, N.Y.	KLA0834	Charles Stafford, 3889 N. Sequoia Dr., Fresno, Calif.
KKD6535	Steve Ternlund, 521 East 35 St., Brooklyn, N.Y.	KLA1014	Bob Balanco, 2183 Altamont Rd., San Leandro, Calif.
KKD6762	Howie, 2810 Frankel Blvd., Merrick, N.Y.	KLA1875	Ruth Hanes, 2585 Painted Rock Dr., Santa Clara, Calif. Edward Wilson, Ash Canyon Rd., Carson City, Nevada
KKD6776	Edward Nowak, 162 Shaker Rd., Albany, N.Y.	KLA3418	Russ Gevertz, 1982-44th Ave., San Francisco, Calif.
KKD7305	Pieter Schoonheim, 160 Johnson Ave., Teaneck, N.J.	KLA3491	Jim Cox, 1865 Michigan, Stockton, Calif.
KKD7398	Vera Leitans, 246 Second St., Alb., N.Y.	KLA3648 KLA5007	Frank Culy, 24131 Alice St., Hayward, Calif.
KKD7787	Martin Braaf, 1705 Burnett St., Brooklyn, N.Y.	KLA5065	Dennis Simonson, 127 Lee Avenue, San Francisco, Calif.
KKD8046	Ellen Sonkin, 246-15 57 Drive, Douglaston, N. Y.	KLA5173	Chuck Hopper, 834 Florida St., Vallejo, Calif.
KKG0046	Ira Pitel, 17 North State St., Vineland, N.J. Ken Yost, Sunset Lake Rd., Newark, R.D.1, Del.	KLA5629	Carroll Hatchell, 2222 Sacramento St., Vallejo, Calif.
KKG0371	Lew Keen, South Chestnut St., Elverson, Pa.	KLC1458	Ben Kuehn, 19337 N.E. Glisan, Portland, Oregon
KKG0930	Robert Ream, 608 High St., Lancaster, Pa.	KLD0462	Hubert Ingersoll, 548 Edith, Walla Walla, Wash.
KKG0960 KKG1063	Edw. Stone, R.D.3, East Stroudsburg, Pa.	KLD0953	Keith Howe, 9001-16th Ave. S.W., Seattle, Wash.
KKG1268	Ralph Hunsinger, 891 N. Adams St., Pottstown, Penna.	KLD2095	Dorothy Vangesen, 319 No. 48 St., Seattle, Wash.
KKG1280	C.E.Diehl, 800 Mohican St., Bethlehem, Pa.	KLE0012	Nick Daddis, 1607 Wabash St., Denver, Colo.
KKG1761	The Axe's, 218 S. Hawthorne St., York, Pa.	KLF1653	John McGuire, P.O. Box 12, Camp Douglas, Wisc.
KKG2712	Claude Dye, R.D. 3, Pottstown, Pa.	KLF2479	Donald Bohm, 520 7th Ave. N., Sauk Rapids, Minn.
KKG3061	Ralph Stark, 146 Grape St., Reading, Pa.	KLH2872	Bill Maierhoffer, 8588 Ardelia, St. John, Mo.
KKG3229	Don Schmitt, Box 14, Gettysburg, Penna.	KLH2924	Rodger Fetters, R.R. 1, Elwood, Nebr.
KKG3924	C.F.Koehler, 1015 Pennsylvania Ave., Prospect Pk., Pa.	KLH3140	Joe McMahon, 131 Pierre St., Salina, Kans.
KKG3987	John LeMay, 28 E. Water St., Gettysburg, Pa.	KLH4947	Bruce Kirkpatrick, 5633 W. 18th St., Topeka, Kans. William Royal, Syracuse, Nebr.
KKG4167	Bruce St. Cyr, 219 North Bedford St. Carlisle, Penna.	KLH6583	
KKG4762	Charlie Stauffer, R.D.1, Holtwood, Pa.	KLH7398 KLH7458	Bob Carr, 1507 Jefferson, Great Bend, Kans. Chuck Stagner, 3833 East 68th St., Kansas City, Mo.
KK10233	Houston Mullins, 321 Yorkshire Lane, Manassas, Va.	KL10477	Tom Hesseltines, 3829 E. 42 St., Des Moines, lowa
KK10503	Tim Aaron, 116 Wilmont Ave., Cumberland, Md.	KLJ0255	Bob Pierce, 182nd St., Box 382, Lansing, III.
KK10958	Rose Ridgway, Rt. 1, Masontown, W. Va. Bennie Scarton, Bretz, West Virginia	KLJ0440	Don Thielsen, 2803 Iroquois Trail, McHenry, III.
KK11418	John Warrenfeltz, 1005 Bramly Court, Hagerstown, Md.	KLJ0532	Jack Rabey, 2237 N. Lawndale, Chicago, Ill.
KKI1526 KKI2000	Thomas Termini, 4611 Langdrum Lane, Chevy Chase, Md.	KLJ1614	Jack Llewellyn, 112 S. Griffin, Danville, III.
KK12000 KK12063	Joe Mory, 2501 Washington Blvd., Balto., Md.	KLJ2946	Harold Bjorkquist, 8878 South 84th St., Franklin, Wisc.
KK12379	Marlin Barnhart, 1133 Beechwood Dr., Hagerstown, Md.	KLJ3382	Earl Gordon, 419 W. Grand Ave., Decatur, III.
KK12263	Sonny's Sundries, 767 South Division St., Salisbury, Md.	KLJ3893	Eva Lustro, 1440 W. Fullerton Ave., Chicago, Ill.
KKI3172	Duane Guy, Westernport, Maryland	KLJ3918	Cloyd Cooper, 10 Schultz St., Danville, Ill.
KKI3315	Bryan Walters, 1520 Quincy Ave., Falls Church, Va.	KLJ4006	Al Waldsmith, 2710 W. State St., Rockford, Ill.
KKI3416	Eugene Frye, Box 47, Augusta, W. Va.	KLJ4024	Loren Snyder, 542 9th Ave., South, Clinton, lowa
KKI4003	Billy Loveless, Box 112, Owings, Md.	KLJ4663	Bev Chappell, 3644 E. Minnie St., Decatur, Ill.
KKK0471	J.L.Kirkland, Route 5, Raleigh, N.C.	KLJ6057	Myrtle Hittle, 1601 So. 4th St., Richmond, Ind. Ted Margwarth, 3212 Plaleau Dr. Lot 66, Colombus, Ga.
KKK0745	Jimmy Chocklett, 504 Denby St., Wilson, N.C.	KLJ6156	Ernie McMichael, 2310 W. 28th, Muncie, Ind.
KKK2869	Kelly Howard, 415 Broad St., Oxford, N.C.	KLJ6355 KLJ6791	Lou Blanche, 9901 Cahoun Ave., Chicago, III.
KKK4396	Lynn Bailes, 3033 Maywood Rd. S.W., Roanc'e, Va.	KLJ0791 KLJ7357	Bud Bachman, 2725 Vinton Ave., Rockford, Il.
KKK4410	Smylie Grantham, P.O. Box 364, Raeford, N.C. Jeff Hardee, 2530 Sunset Ave., Greenville, N.C.	KLJ7778	Harold Thompson, 731 East Jefferson, Chrisman, Ill.
KKK4966 KKK5114	Joe Hughes, 205 S. 10th St., Mebane, N.C.	KLJ8181	Bob Bruce, Sadorus, Ill.
	Joe Highes, 200 B. Tour Be., Medane, 11, O.		

KL19180 Jerry Gaughan, 1826 Davis Ave., Whiting, Ind. Iane Bachman, 2725 Vinton Ave., Rockford, Ill. KL19236 KLK1581 Frank Hawley, 2313 Johnson St., Keokuk, Iowa KLK2079 Russell Smith, 107 So. State St., Louisville, Kv. KI K2140 Rexford Niccum, R. F. D. 1, North Manchester, Ind. Tom Wells, 911 Oakley St., Evansville, Ind. KT.K3310 KLK3619 Matt Loeffler, 2169 South 64th St., West Allis, Wisc KLK4537 Clint Whitney, R.R.2, Warsaw, Ind. KT.K4588 Ruth Copples, 1749 W. Ravina Park Rd., Decatur, Ill. KT K4958 Jesse Wade, 224 W. Elm St., Chillicothe, Ill. Richard Schroeder, 512 W. Voorhees. Danville, Ill. KLK5559 K1.K5585 Lloyd Aumock, 840 1/2 E. Pleasant St., Freeport, Ill. KLK6316 Paul Vargyas, 119 South McKinley, Warsaw, Ind. Al Thomann, 206 Edwards, Danville, Ill. KLK 9758 K1.M2786 Bob Starkey, 2834 Berrell Ave., Columbus, Ohio KLM4842 Bessie Hazen, 231 North Mead St., Zanesville, Ohio KLM5233 Cecil Campbell, 5687 Eldridge, Pontiac, Mich. KLM6123 Till Leonhardt, 3518 Smithfield Lane, Cincinnati, Ohio KLM7311 Richard Heysek, 2430 West Sprague Rd., Parma, Ohio KLM7450 Bill Piper, Route 5-Box 414, Swanton, Ohio KLM7499 Wilbur Caseman, 113 Clark St., Marietta, Ohio KLM7508 Barb Rutkowski, 14942 Kilbourne, Detroit, Mich. Vince Goodnuff, 43390 Alva Rd., Belleville, Mich. KI.M7764 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. Leonard Beaudry, 32821 River Rd., E. Rockwood, Mich. KLN0934 Roy Bullock, 5th St. Road, Corbin, Ky KLN1831 KLN3131 Jerry Land, 20030 Cameron, Detroit, Mich. KT N3731 Norm Sieggreen, 1532 N. Bond, Saginaw, Mich. KI N3897 Jerry Harris, 651 Cove Road, Weirton, W. Va. KLN4587 Bud Felix, 2825 Corinthia St., Rochester, Mich. KLN4913 Bob Vance, 2200 Fulton Rd., Cleveland, Ohio KT N5237 Ken Hess, Lansing, Michigan KLN5768 Jim Nooney, Falling Rock, W. Va KLN5848 Al Willis, 6497 Graham, Pontiac, Mich. KLN6401 Don Goretzki, 605 McEwen St., Sandusky, Ohio KLN7999 Beverly McRae, 103 Mosher St., Battle Creek, Mich. Jlm Samuell, 3503 Orchard, Portsmouth, Ohio KI NR383 KLN8474 Jerry Teynor, Box 3017 Killeen, Base, Texas KLN8974 Don Clink, Route 1, Lindsey, Ohio KLN9152 Carl Lockhart, Box 28, Coolville, Ohio KI N9155 Evans Johnson, 115 McKee St., Manistee, Mich. KLN9288 Bill Roys, NI7 Baseview Trailer Ct. Emerado, N. Dak. KLN9769 Lou Hart, 2656 Idlewood Rd., Cleveland, Ohio KT PO290 Norm Dill, 1025 Powell Ave., Erie, Pa. KLP1619 Joe Martin, 500 1/2 Porter St., Watkins Glen, N.Y. Carl Mollitt, 123 Dennison St., Wyoming, Pa. KLP2186 KT.P2358 Donald Miles, 1015 Dryden Rd., Ithaca, N.Y KLP2753 Horace Morath, 2380 Woodard Rd., Elma, N.Y. KLP2846 Duffy Greba, 610 Henry Lane, Irwin, Penna. K1.P3284 James Phillips, 599 West 8th St., West Wyoming, Pa. KT.P3496 Jerry Babcock, Abbotts Corners, RFD 1, Cuba, N.Y. KLP4213 Dennis Cray, 3750 W. 10th St., Erie, Penna KLP4360 Earl Bonenblust, 515 Whiting Rd., Webster, N.Y. KLP5005 Bud Fowkes, 1031 5th Ave. -Box 261, Duncansville, Pa. KI.P5102 Bob Vann, 102 Haller Blvd., Ithaca, N.Y. KLP5197 Tom Rivers, P.O. Box 1, Lowman, N.Y. KLP5525 Bonnie Beeke, 11 Maple Dr., Bath, N.Y. KLP5686 Charles Johnson, 332 Huron Ave., Renovo, Pa. William McKenna, 1354 Davis St., Elmira, N.Y. KT P6030 KLP6626 Wallace Nolen, 12 Chase St., White Plains, N.Y. Don Berman, 121 W. Ross St., Wilkes Barre, Pa. KLP6639 KLP7447 Ruth Peoples, 217 Trailer Village, Johnson City, N.Y. KLP7578 David Moss, P.O. Box 61, Endicott, N.Y. KT.P7703 Bob Smith, Route 2, Lisbon, N.Y. KI.P7909 Al Gutfrucht, 248 Spencer Rd., Rochester, N. Y. KLP8083 William Davidson, 26 Knight St., Glens Falls, N.Y KLP8105 Alan Rubin, 12 Grandview Terrace, Cobleskill, N.Y. KLP8337 Dick Burgstrom, 7 Woodward Dr., Fredonia, N.Y. KLP8509 Leonard Dotys, Monessen, Pa. K1.P8570 Dick Moriarty, 220 Saint Clair Ave., Renovo, Pa KT.P8791 Jim Smith, R.D.3, Fort Plain, N.Y. KLP8809 Don Shumaker, 147 Greenbrier Dr., Carnegie, Pa. Joe Jones, 21 West Elm St., Wilkes-Barre, Pa. KLP9113 KLP9557 George Booth, 971 Sweeney St., North Tonawanda, N.Y. KLP9618 Bill Lohnes, Box 176, Round Lake, N.Y. KI.P9656 Irvin Kimmel, P.O. Box 14, Tire Hill, Pa KI.P9751 Vince D'Emilio, 99 Warren St., Glens Falls, N.Y. KLP9773 Ron Crown, 764 Merchants Rd., Rochester, N.Y. KLP9838 Phil Tannenbaum, 35 Sharpe St., Kingston, Pa. KLP9936 Eugene Pratt, 15 Quarry Crossing, Hudson Falls, N.Y. KLO0457 Charles Goughnour, 207 Coldren St., Johnstown, Pa.

Koffee Hound, Box 241, Frankfort, N.Y. Roy Moore, 290 Bonifay St., Pittsburgh, Pa Tom Grimke, Box 485, Wahiawa, Hawaii Loyd Tait, 2088 E. 26th Ave., Vancouver, B.C. Paul Cross, 9758 - 145 St., Edmonton, Alb., Canada Mervin Caskey. 11651 71 St., Edmonton, Alb., Canada Douglas King, Box 1289, Estevan Sask., Canada Skippy Massam. 66 Guthrie Ave., Toronto, Ont., Canada Peter Walton, 421 Lodor St., Ancaster, Ont., Canada John Burnup, 926B Cummings Ave., Ottawa, Ont., Canada Conrad Lauzon, 4419 Lasalle Blvd., Verdun, Que Norbert Bilodeau, 315 Montreal St., Sherbrooke, Que Gilles Petit, 409 St. Joseph, La Tuque, P.Q., Canada Vaughan DeMerchant, P.O. Box 13, Perth, N.B., Canada Les Cufflin, c/o B. Morehead, Rt. 2-Box 412, Shelby, N.C. Allison Capson, 644 Rothesay Ave., Saint John, N.B. Canada Andy McLellan, P.O. Box 631, Saint John, N.B. Canada Eddie Becker, 4305 Franconia Rd., Alexandria, Va. Dave Coyle, 602 Elm, Coffeyville, Kansas Angelo Bione, P.O. Box 8, Christopher, Ill. Donald Rhodes, 63 Sheridian, Chicago, Ill. Robert Ream, 608 High St., Lancaster, Pa. Korky, Box 241, Frankfort, N.Y. Tom Bolling, 233 Temple St., Fredonia, N.Y. Dick Carpenter, Box 108, Newfield, N.Y. George Masny, 299 E. 8th St., New York, N.Y. Dave Jensen, 440 Walker Rd., Hilton, N. Y George Masny, 299 E. 8th St., New York, N.Y. Bruce Kirkpatrick, 5633 W. 18 St., Topeka, Kan. Peter Kasnet, 133 Lynn Shore Dr., Lynn, Mass. George Masny, 299 E. 8th St., New York, N.Y. Richard Snively, 724 Lesher Ave., Waynesboro, Pa. Robert Ream, 608 High St., Lancaster, Pa Andrew Cwalina, 1674 W. Chestnut St., Shamokin, Pa Jim Hope, 356 N. Fuller Ave., Los Angeles, Calif. Harry Okey, P.O. Box 1526, La Jolla, Calif. Mike Bland, Darlington Rd., Basingstoke, Hants.. England Tom Lehtio, Virkby Sunis-Hagen, Finland Torsten Soderstrom, Ekenas, Finland Gary Noble, 1225 1/2 14 Ave. Lewiston, Idaho Central Printing, 920 Vandeventer, Fayetteville, Ark Jack Allen, 203 Ave. F. Brooklyn, N.Y.

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XM49405

XM522168

XM531209

XM56066

XM65140

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Cent 3154

North3020

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This month's many FCC actions include the

following:

3Q3112, Eugene A. Schmidt, Philadelphia, Pa., license revoked for repeated failure to respond to official notices concerning alleged violation of the CB rules.

4Q0163, Arthur H. Jones, Jr., Baltimore, Md., denied his request for cancellation of \$100 monetary forfeiture, but the amount was reduced to \$25 in view of circumstances.

6Q2143, William H. Deal, Camden, S. C., directed to show cause why his license should not be revoked for repeated failure to respond to official notices concerning alleged violation of the CB rules.

6W2853, James D. Collett, Marietta, Ga., directed to show cause why his license should not be revoked for repeated failure to respond to official notices concerning alleged violation of Sect. 308(b) of the Communications Act and Sect. 1.89 of the rules.

6W6559, Thomas Leroy Brock, Fort Payne, Ala., license revoked. Same reason as 3Q3112.

8W1526, Bledsoe Electric Co., Jackson, Miss., license revoked. Same reason as 303112.

9W1371, Martin Doss, Jr., Pasadena, Tex., license revoked for repeated violations of the rules

11Q4673, James R. Stepenson, Sun Valley, Calif., his request for cancellation of \$200 monetary forfeiture but reduced it to \$100 in view of circumstances.

11Q4913, William D. Roberson, Jr., Los Angeles, Calif., license revoked. Same reason as 3Q3112.

11Q5440, George F. Alton, Inglewood, Calif., license revoked. Same reason as 3Q3112.

13W0996, Dynamic TV Service, Portland, Ore., directed to show cause why their license should not be revoked. Same reason as 6Q2143.

20Q1947, Darrell W. Patton, Rochester, N. Y., license revoked. Same reason as 3Q3112.

KBC3368, Eric H. Granholm, Wilton, Conn., directed to show cause why his license should not be revoked. Same reason as 6Q2143.

KCC0706, Francis J. Clark, Gloucester, N. J.,

directed to show cause why his license should not be revoked. Same reason as 6Q2143.

KCC4418, Furney Bracy, d/b as Bracy Auto Service, Philadelphia, Pa., directed to show cause why his license should not be revoked. Same reason as 6Q2143.

KCD2508, Thomas W. Eble, Northfield, N. J., the show cause order against his station

was dismissed.

KDB0264, Melvin S. Welch, Stone Mountain, Ga., his request for continuance of a show cause notice hearing from January 5th to a later date (February 2nd in Atlanta, Ga.) was granted.

KDB1404, Doyle R. Harbin, Avondale

Estates, Ga., same as 4Q0163.

KDB2107, Manning G. Ryals, Columbus, Ga., he requested that the FCC reconsider his license revocation. They did and set aside the order.

KDB3522, Ronnie B. Tallman, Riverdale, Ga., directed to show cause why his license should not be revoked. Same reason as 6Q2143.

KDB5351, Samuel T. Penny, Marietta, Ga., license revoked. Same reason as 3Q3112.

KDB5697, Carl Vanek, Dallas, Ga., imposed with a monetary forfeiture in the mount of \$200 for repeated violations of the CB rules.

KDC2043, Thomas Hunsberger, Blooming-dale, Mich., license revoked. Same reason as 303112.

KDD7279, Cornelius V. Portis, d/b as Portis Construction Co., Atlanta, Ga., same as 400163.

KDD9691, Ronald Lee Harris, Austell, Ga., imposed with a \$100 monetary forfeiture for repeated violations of the CB rules.

KDE1125, Ernest Matthew Ray, Waleska,

Ga., same as 4Q0163.

KDI0246, Paul Knobler, North Miami Beach, Fla., directed to show cause why his license should not be revoked. Same reason as 6Q2143.

KDI0481, Curtis A. Schwartz, North Miami Beach, Fla., license revoked. Same reason as 3Q3112.

KDI5007, John R. Sukowske, Fort Lauder-

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dale, Fla., directed to show cause why his license should not be revoked for repeated violations of the CB rules.

KEB0633, Ben McMillan, Jackson, Miss., imposed with a monetary forfeiture of \$100 for

repeated violations of the rules.

KEB3457, Sammy Church, Pascagoula, Miss., directed to show cause why his license should not be revoked for repeated violation of Section 308(b) of the Act and Section 1.89 of the rules.

KEE1735, Vernon Staner, Baytown, Texas, directed to show cause why his license should not be revoked. Same reason as 6Q2143.

KEH7141, Conrad F. Stokes, Ackerly, Texas, hearings on his show cause notice were com-

pleted.

KEJ2646, Ralph E. Fullenwider, Riverside, Calif., imposed with a monetary forfeiture in the amount of \$100 for repeated violations of the CB rules.

KEJ3439, Louis C. Miller, Artesia, Calif., imposed with a monetary forfeiture in the amount of \$100 for repeated violations of the rules.

KEJ3925, Gerard A. and Catherine J. Oedekerk, d/b as Oederkek Mold Co., Huntington

Park, Calif., same as 4Q0163.

KEJ4095, Nick Bruns, Baldwin Park, Calif., his petition for reconsideration of his license revocation was denied, but the effective revocation date was changed.

KFA5830, Robert V. Gendle, Sr., Bellflower, Calif., hearings on his show cause notice were

terminated.

KHD5217, Linda Carol Thomas, Farmington, N. Mexico, license revoked. Same reasons as 6W2853

KHG3282, Dorcy R. Thomason, Hastings, Mich., directed to show cause why this license should not be revoked. Same reason as 6Q2143.

KHJ6566, Paul D. Miller, Battle Creek, Mich., the show cause hearings against this station were closed and the proceedings were dismissed.

KID5273, Richard Earl Sutor, Miami, Fla., license revoked. Same reason as 3Q3112.

KKM7406, Arthur Petty, College Park, Ga., directed to show cause why his license should not be revoked for alleged violations of the rules.

KKP3241, Gayle Velez, Miami, Fla., directed to show cause why this license should not be

revoked. Same reason as 6Q2143.

KKR3290, Chauncey Patterson, Saraland, Ala., imposed with a monetary forfeiture in the amount of \$100 for repeated violations of the CB rules.

KKX3435, James Bruce, Santa Ana, Calif., show cause hearings were completed.

KLA0630, Charles F. Overstreet, Santa Cruz, Calif., directed to show cause why his license should not be revoked. Same reason as 6Q2143.

KLK3741, Alan Morton, Terre Haute, Ind.,

directed to show cause why his license should not be revoked. Same reason as 6Q2143.

KLM6290, Lowell E. Page, Wilmington, Ohio, license revoked. Same reason as 3Q3112.

In other FCC news, CB'er George Turk, Jr., of Houston, Texas, petitioned the Commission to eliminate all inter-station communication on CB channel except on Channels 9 and 11. He also asked that the FCC either add more monitoring personnel (he said that an extra man at each FCC monitoring station could earn "10 to 100 times his salary in fines"), or turn over CB monitoring to volunteer monitors holding first class radiotelephone licenses or higher.



KBG4303 RIDES AGAIN

Continued from page 7

haven't figured them out for yourself there has certainly been enough written about them in

magazines and club papers.

It occurs to us that, considering the volume of stations now being licensed annually in the CB service (also the Amateur Radio Service, which is run by the same division of the FCC), "we" are worth about a cool \$2 million a year to the Commission in license fees alone. But is the value "to the Commission" in actuality? No! This \$2 million worth of CB and ham money (plus the money from the FCC's monetary forfeitures and the license fees from all other radio services) gets tossed into the government's "big kitty." None of these many millions of dollars in additional revenue are paid back into the understaffed FCC. It should be.

Look at it this way—as long as you are going to have to shell out the \$8 for a CB license, wouldn't you prefer that at least some of it were invested by the government back into the FCC for additional manpower and equipment? These people at the FCC, after all, are earnestly trying to keep things going out over the airwaves on a rather even keel—even if you don't happen to be personally in favor of all of their actions. It's a grizzly job, at best, and especially rough when you don't have enough people doing the necessary work. As a result, many radio services do not receive the attention which they deserve—and while you may think that this is probably good, it also has many disadvantages.

Just recently our government spent \$119,000 for a study entitled "Eye and Brain Development in the Mosquito" and another \$8,500 for the study of "Factors Affecting Mating Competition in Mice" (right this minute there are lobbyists in Washington trying to get \$50 million for additional research into "classical literature, arts, history, drama, philosophy and music," this in-

cludes a \$50,000 grant for research on "ancient Greek drama"). This is to say nothing of our having to foot the expenses for the "lame duck" Congressmen and Senators who took their wives on "important" trips around the world after they lost the last election.

Now far be it from me to come out against cultural or scientific research, or to throw a wet blanket on someone having a good time in Bali Bali, but it seems that somewhere along the line somebody should remember that this money is being taken out of your pocket and mine—and that there are federal agencies which dearly need a few transfusions of "green blood." The FCC is one of them, and we at \$9 would like to see them get some advantage from the additional revenue which they have succeeded in bringing

WE PLANNED TO STOP

into the coffers within the past year.

I figured that we had pretty much told you the whole story on the American Citizens Band Association, and I made a promise to myself that I wouldn't take up any more editorial space on this group—unless they really went way out in left field. So, here it is the first month of the promise and I receive a letter from an Office of Civil Defense in Virginia. The CD people sent us a newspaper clipping which tells of a fascinating experiment in CB communications being tried by the local ACBA chapter, it's called the "Annual Turkey Hunt."

To quote from the article in the Kingsport (Va.) Times which describes the "Hunt." "Some 50 members will converge their cars at 2:30 P.M. Each will be given a paper bag before driving off within the city limits. Each car is equipped with two-way citizens band radio. Out of sight, but still within communication range of all members, each driver will open his bag. Inside one will be a crow caller which that driver will blow every two minutes while cruising around town. Members left holding empty bags will go looking for the crow. Finders-three times around-will be given frozen turkeys. 'We have a lot of fun,' says L. E. Webb of Kingsport who's in charge of the event. More important, he adds, the hunt is primarily a training session to prepare members, all licensed with the American Citizens Band Association, for their jobs in case of national emergency.

The Civil Defense people can't understand how such goings on can possibly be of use in a national emergency, and express surprise that the ACBA actually has devised a master communications plan for a national emergency. We, ourselves, wonder about the use of CB for blowing crow callers for any purposes—and for such a nutty scheme at that. I think that all responsible CB'ers will take strong offense to this use of CB, especially when it receives pub-

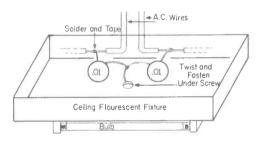
lie attention and makes us look like what many people already believe we actually are.

Perhaps some of the ACBA members who feel that I have been "picking on their club" without cause might care to think over the foregoing. I would very much like to have this be the last mention of the ACBA in my editorials—what say folks at ACBA Headquarters? How about walking the straight and narrow and giving CB'ers a fair shake?

STOP THAT NOISE

Continued from page 23

the wall socket and then open up the case of the lamp. Find the point where the cord enters the case and carefully remove some of the insulation from the wires as illustrated. The capacitor is soldered across these leads and carefully taped to ward off short circuits. When you plug the lamp back into the wall, turn it on (with the CB rig on) to see if the noise can be further reduced by your reversing the lamp's power cord in the wall socket.



If your fluorescent noise is coming from a ceiling type fixture, you are going to have to drop the fixture down from its mountings to achieve the cure. Be sure that you have removed the fuse from the fuse box before you have a go at this one. Install two capacitors as shown in the illustration. Note that two leads from these capacitors are twisted together and connected to a nearby screw on the fixture case. Since this is an electrical ground connection, scrape away any paint which might cause a poor contact. Securely tape any bare leads to avoid shorts.



KING OF THE BAND

Continued from page 12

DO NOT fail to use earphones to monitor your own transmission. This will cause your voice to become a nauseous monotone and you will derive a great deal of pleasure from hearing yourself talk. This is, after all, far more pleasing than listening to some one else. A very fine thing here—study enunciation! In your delivery be sure to carefully pronounce all thes, ands, tos, and other less important words. Slur the rest of them. This lends a distinct class to your transmissions and may give the impression that you are, in addition, an intellectual.

DO NOT forget to treat all local stations with complete disdain. Above all do not be courteous. Courtesy can be construed as an indication of weakness and one simply can not dominate from a posture of weakness.

Give careful attention to your operation procedures. A religious adherence to the methods and principles set out in this article, will guarantee your domination and fame. You will begin to receive maximum enjoyment from your CB radio equipment. As your enjoyment increases you will probably notice that your CB fishing buddy doesn't fish anymore, your CB bowling buddy doesn't bowl anymore, CB'ers in general don't stop for coffee, nor do they invite you for coffee. In other words you are probably friendless. This is of no matter and was expected. It is the customary price of being a celebrity, and you are now a CB celebrity. The "King of the Band." You have fame. You are receiving maximum enjoyment from CB.

It is now dark enough for the writer to slip up on the roof and swing the tri-bander a few noticeable degrees, so 73! and 30.



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4.5db Additional Gain over Gain of Single Colinear Gain of Single Colinear Gain over Gain of Single Colinear 4.5db Additional Gain over Gain of Single Colinear

Take one CLR that delivers 3.4db of omni-directional gain...Phase it with another CLR, and you can attain up to 7.9db of directional gain. Add Hy-Gain's revolutionary Co-Phaser that blends the natural optimum performance characteristics of the two phased CLR's and discriminately directs their power where you want it, and you have beam-like performance in a multi-directional pattern. Just a flip of the compass rose calibrated dial on the Co-Phaser transfers you from 7.26db of broadside gain to 7.9db of end-fire gain off of either end of your phased array. The Co-Phaser also cuts out co-channel interference...sheds unwanted signals and gives you a stronger and clearer signal just exactly where you want it. It requires no external power... has no tubes or circuitry to introduce additional noise or interference... eliminates the need for expensive rotators. It's very easy to install. Overall dimensions... 4x8 inch oval, 5 inches deep. Net weight, 1½ lbs. Model No. PH-1 \$14.95 CB Net

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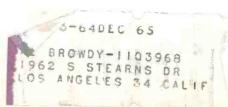
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