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JUNE 1966

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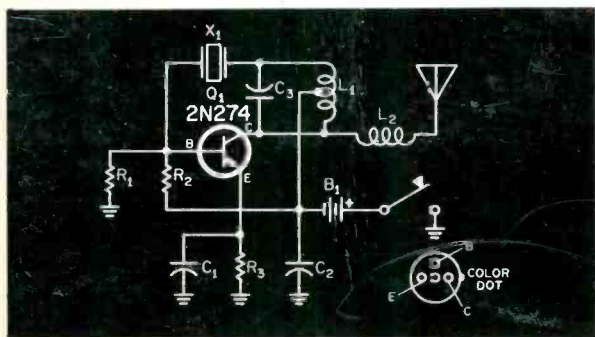
S9

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the citizens band journal

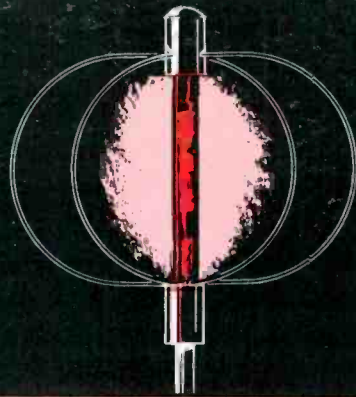
**FLASH: FCC DROPS
SOME \$8
CB LICENSE FEES! P. 48.**

**CB GOES TO THE SEBRING RACES
CB ROAD SIGNS ARRIVE
BATMAN DIGS CB
CB MAKES A TV COMMERCIAL
A COLLINS CB RIG???
BUILD THE MICRO-HAM SPECIAL
CB'ERS SAVE 5 LIVES
THE S9 CW/BFO
64 BIG JAMBOREES ON TAP
LIST OF 81 GOVERNMENT RADIO STATIONS
MORE THAN 700 CARD SWAPPERS
SECRETS OF THE VAMPIRE BAT ANTENNA
REVIEWS OF NEW KNIGHT & EICO GEAR
AND MUCH MORE!!!**



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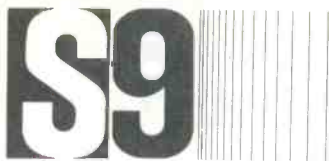
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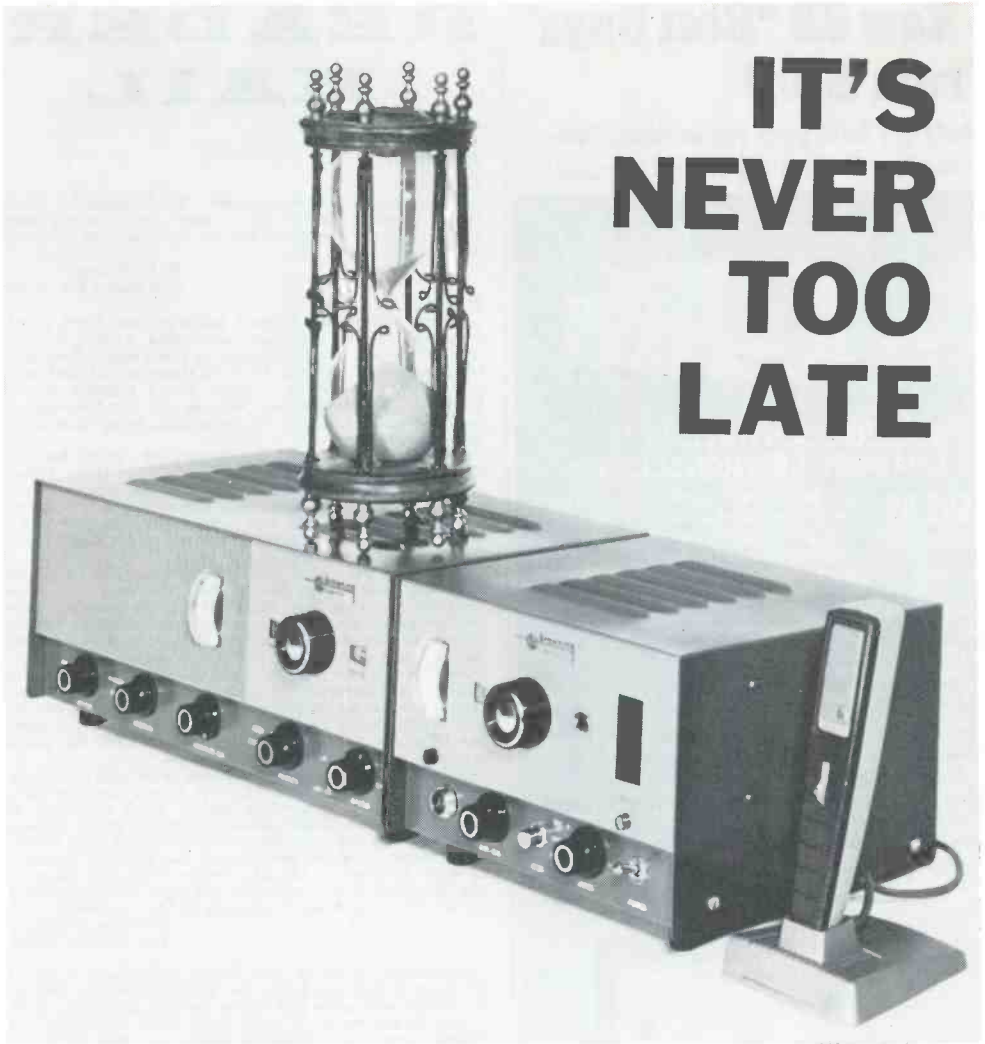
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READER MAIL

FRIEDMAN?

Dear Tom,

Regarding Herb Friedman's "Fold, Spindle, Mutilate," (page 43 of the April issue), truer words were never spoken! The story should be reprinted in every major publication.

P. N. Milton
Glasgow AFB, Mont.

Dear Sir,

There was a time when I believed that Herb Friedman was one of the most interesting writers in electronics. He was much the same as Peleg and Biliad must have looked at Captain Ahab in times of old and muttered, "Yep, we have a great whale captain there." Friedman as a writer had wit, an ear for language, a mode of expression all his own and, most important, he had guts too.

Then one day, something happened. Ahab lost his leg to a certain white whale named Moby Dick. Fortunately, everybody thought, he was not crippled and could still go on voyages. But something had snapped inside the old boy. He was a man obsessed. He had a vengeance for that whale. He was out to get Moby Dick. It was a personal vendetta.

Just what Friedman lost, I don't know, but he must have lost something. Maybe he's the only one who really knows what it is. Maybe if we, the readers, could see it, then we could have a little more sympathy for his obsession. But we can't. All we can see is the obsession, and it looks pretty bad. His white whale is the "electronic" corporate image. One month it's companies which do computerized customer surveys, the next month it's the automated telephone company. When he first began tilting his lance, he had a point. It was silly, but it was a point. But he wasn't satisfied. He made his point again, and again, and again.

Friedman seems a sincere enough chap, and I honestly believe he's slashing away for us, with a harpoon of a pen, against his own white whale, much the same as Ahab tried to slaughter nature's agent to prove to man that man was the ultimate power on earth. But just as Ahab failed (because man is not the ultimate power), so does Friedman fail. Big corporations are here to stay, complete with computers, red tape, and impersonal service. But Friedman is starting to lose his effect.

Wes Shambaugh
Los Angeles, Calif.

Friedman, in reply, was heard to mutter, "Ere I break, ye'll bear crack . . . for 'ere they drown, drowning things will twice rise to the surface; then rise again to sink forevermore. So with Moby Dick, two days he's floated, tomorrow will be the third. Aye, men, he'll rise once more—but only to spout his last!"

THANKS

In your April issue you printed my request to dispose of my late son's QSL card collection to a handicapped S9 reader.

Your readers are indeed a wonderful breed of cats! As soon as the letter appeared our rural mail box became as busy as the main post office in town. We received quite a number of requests for the QSL collection, but the gratifying thing to contemplate was the number of unselfish referrals. Literally dozens of people wrote us suggesting the name of acquaintances, friends, and relatives who would like the cards—unselfish people who took time from their busy lives to do something that might, and only might, help someone less fortunate than themselves. It was a difficult task to select the person to whom we would send the card collection, but we finally decided that it would be a CB'er from among the group whose sacrifices have made possible the very country which pioneered CB—the group being veterans who were disabled in combat. We will choose the recipient via simple "card in the hat" system from one of the several names that were submitted.

There was another totally amazing facet of your running my letter. Not one but several individuals and clubs sent us collections of cards—some quite rare—to add to the existing group so that whoever received the

QSL collection would have a larger display! At the time I wrote to you, Toni had collected 408 cards; there are now 528 cards in the index and still quite a number not yet entered.

How does one say "thank you" to such wonderful people?

Juan V. Sanchez
Durango, Colorado

We've said it all along about S9 readers, they've never been matched!

REACTION

Dear Sir,

We feel that S9 is an outstanding publication for CB'ers, regularly publishing information which is vitally important. Your *CB Operator's Manual* (April issue) was of particular importance to our REACT Team.

George W. Nihart
REACT Team Director
Columbus, Ga.

CANADIAN QUERY

Dear Tom,

As you are aware, American CB'ers visiting Canada can get a Tourist CB license which gives them full operating rights while in Canada. The FCC will not grant us the same courtesy when we visit the U.S.A. We would very much like to be able to make use of REACT, HELP, and other emergency CB services while we are mobile "south of the border." As an example, several of my friends (about 4 or 5) usually form a car caravan each summer. CB is a vital part of our operation. This year we wanted to make a grand swing through the States to see some places of historical interest. However, since we cannot use our sets we will seek other places of interest, places within Canada where we can rely upon our CB gear.

There is a growing feeling of something being grossly unfair about this attitude. The feeling grows as CB grows in Canada. Probably your government couldn't care less about Canadian tourists, but things would certainly be a lot more convenient for us if this stumbling block could be removed.

Can something be done?

Norm Benson, XM11076
Burnaby, B. C.

S9 will discuss the possibilities with the FCC during a forthcoming visit to the FCC. Details in the July issue.

NOT FORGOTTEN

Tom:

This is to inform you and the S9 readers of the passing of Nick Miller, KDJ0332, known to card swappers throughout the country as the "Florida Stump Jumper." He will be greatly missed by all of us in the Tampa-St. Petersburg area, as well as around the continent. In addition to his card swapping activities, he found time to be the Treasurer of our club.

Joe Walsh, KKP2890
Golden Triangle CB Radio Club
Gulfport, Fla.

SURPLUS

Tom,

In your April issue you ran the "Wild History of 11 Meters." It was very good, only now tell us where we can buy goodies such as the BC-1335 or the Navy's TBY 11-meter rigs.

Rick Trommer, KNN3511
Lexington, Ky.

Next month we will have a complete story on all of the 11 meter communications gear made for Uncle Sam, complete with descriptions of each set, photos, approximate prices, names and addresses of dealers, etc. Watch for "Uncle Sam's Festival of 11 Meter Communications Gear" in the July S9.

BATTY VAMPIRE

Editor,

Yup, your *Vampire Bat* really is "fabulous . . . apocryphal" and it does have an omni-directional null radiation pattern. The whole thing was great until I looked carefully over the claims made for it, and the

things which *weren't* claimed for it (gain, etc.). Just shows what you can do with words.

Larry Boyer, KNN0748
Sanford, Mich.

Tom,

The FCC will probably outlaw the *Vampire Bat* because CB'ers will no longer be able to violate the rules and there won't be any more monetary forfeitures. The *Vampire Bat* lives up to all of its claims.

"I. M. Batts, KKK9999"
Jackson, Miss.

Editor:

It is truly "fabulous" as described, you said that it *wouldn't* work, and it didn't. Funny how so many people interested in electronics get to the point where they develop a gullibility that can't be beat when it comes to riding out their good judgment and experience and build something that just might work. Overlooking the fact that it appeared in your April issue, and that you came right out and said it was *apocryphal* for transmitting, it still remains a fact that the FCC really would like to see the *Vampire Bat* in general use among CB'ers.

Charles L. Myers
Fremont, Ohio

Tom,

Hats off to Mr. Ittweurk and his apocryphal invention.
O. L. Smith, KMM8156
Naval Air Station
Paruxent River, Md.

Dear S9,

It's a great help in tuning up the rig, but as an antenna, Howard Ittweurk?

Paul S. Sawyer, KMA9196
Exeter, N. H.

Tom,

Built the thing while watching Batman on TV. Spent \$1.93 and it does all you promised. Glad you didn't say you could talk more than a few hundred feet on it. Communications between my base and mobile were greatly improved, but only while the vehicle was in the driveway. By the way, it made the band so quiet that I didn't need my squelch!

Dr. Dee Keeton
Fort Worth, Tex.

Tom,

If you add a 10 ohm resistor in parallel with a 2.5 ohm resistor in series with the coax and the *Vampire Bat*, the SWL is absolutely nil.

Stan Spaeth, KFA9301
Monrovia, Calif.

Dear Friends,

I freely admit to adamant skepticism about claims for alleged "miracle" devices for CB rigs, however this belief was turned to exquisite elation when I chanced upon the *Vampire Bat*. After building it I was awed to discover that it, without doubt, exceeds in every way the specs promised in the article, a claim all to few of these wonder gadgets seldom live up to. I have a few suggestions on improving it.

First, the addition of an identical dielectric form, mounted on the front of the antenna will quadruple the negative magnetodynamic axial polarity (per the 4th theorem polar quandry ambiguity). This is desirable for maximum extrapolation.

In addition, the addition of 2 germanium (NOT silicon) diodes, back-to-back, connected in parallel with the resistors will effectively suppress both positive and negative transient impulses caused by imperfect feedback coupling between the oscillator and the grid (or "base," as it is sometimes known) of the amplification circuit. This permits the *Vampire Bat* to function in a true steady-state environment.

Bob Renaud
Washington, Mass.

Editor:

After I hooked it up I pressed my mike button and the bird came out of the cuckoo clock (at 14 minutes after the hour) and strangled the cat.

W. Lawson, KBD0521
New Haven, Conn.

This is a random sampling of some of the letters which came in from readers who were quick to realize that wild claims usually mean wild products. There is no point in running the dozens upon dozens of letters from readers who innocently took the Vampire Bat's wild claims at face value without examining the "doctored" (but truthful) wording used. See this month's editorial for some comments on reader reaction to this story.



Hallicrafters' new CB-19 transceiver
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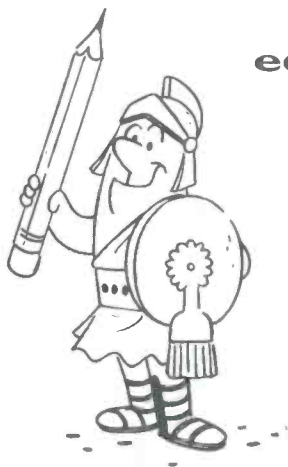


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editorial

KBG4303 rides again!

by TOM KNEITEL
EDITOR, S9

VAMPIRE BAT

Never in our history did we receive the volume of mail that our Vampire Bat story (April issue) brought upon us—it was the first (and possibly the last) “April Fool” thing ever to run in S9.

Actually it was run with a moral in mind, and not just as a means to fool the readers. The moral being that you’ve really got to be extra careful when you read claims for a product. Take the Vampire Bat, for example; had the claims made for the Vampire Bat appeared in an ad, we would have been able to retire to Buenos Aires on the proceeds of the sales alone (judging from the mail we received). Yet, nothing we said in the story was untrue, in fact in a number of places we came right out and said that it *wouldn’t* work as an antenna! Don’t believe it? Get your dictionary and look up the following words which appeared in the story: *sophistical, fabulous, fantastic, apocryphal*.

As a number of you were quick to realize, the Vampire Bat was a dummy load for CB. The claims made for the device (“perfect match to any rig,” “eliminates adjacent channel overloading,” etc.) say nothing about the range, about the gain, about the fact that it would radiate your signal even two inches! It’s a *good* dummy load, comparable to those selling for many times the price to construct the Vampire Bat, but it’s *nothing* more than that.

If you were misled by the Vampire Bat, be thankful that you learned your lesson early in the game. When reading claims for any product, examine each and every thing said, and look for things which *aren’t* said. Don’t be afraid to check the dictionary. Remember that many words have several meanings, some quite different from those commonly used.

When in doubt, dig out your copy of the Vampire Bat story and repeat the name of the author aloud several times.

MAN, IT HERTZ

You may have noticed that some publications have withdrawn the words “kilocycle” (kc), and “megacycle” (mc), replacing them with “kiloHertz” (kHz) and “megaHertz” (mHz). These newer words have been used throughout Europe for a number of years and indicate respect for Herr Heinrich Hertz who was prominent in radio circles a while back—I think he started some kind of Rent-a-Radio industry.

If you are waiting for S9 to get onto the Hertz handwagon, don’t take any bets on it. So far as we at S9 are concerned, a kilocycle is a kilocycle, etc., etc., and changing over to kiloHertz at this late time seems to us to be pompous, patronizing, arbitrary and needless, contributing only confusion to an already confused world. The word does not fall trippingly from the tongue, nor does it look well in print. Right now there are only a few things which could change our position; a huge cry of reader outrage, the boss, or perhaps the ghost of old Hank Heinrich rattling our groundplane.

If you feel the need to pay homage to Hertz, hang his picture in your shack (if that doesn’t change your mind after a few weeks, nothing will). By the way, we aren’t alone in our sticking by *kilocycles* and *megacycles*; many of the consumer electronics publications are also sitting this one out.

ORGANIC CB

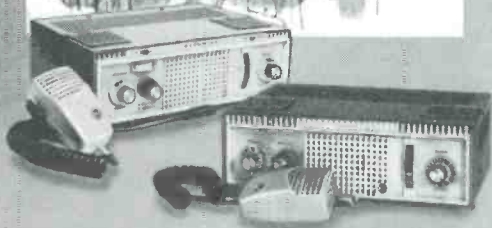
Seems that Roseanne Hefner, of Wichita, Kans., was playing an electric organ when she started hearing voices. Turned out to be caused by a nearby CB’er whose signal was being rectified by a resonant circuit in the organ.

We’ve heard of TVI, but this is ridiculous! First known case of “OI.”

Continued on page 78

The ideal base/mobile combination for CB radio

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Mark 10: \$189.95*

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A DAY AT THE RACES

CB GOES TO SEBRING

by CLIFF MATHEWS

AMPHENOL DISTRIBUTOR DIVISION

AMPHENOL CORPORATION



The roaring, unsuppressed engines and screaming transmissions of the world's fastest sports cars pose some of the most difficult communications conditions imaginable—but CB proved that these were no obstacles in the 16th annual Grand Prix of Endurance at Sebring, Fla., March 22-26.

To give its equipment a real endurance test, and to study citizens' band communications under difficult ignition and noise conditions, Amphenol sent a three-man engineering group to Sebring. Before the 12-hour race ended, the engineers had done more than just establish communications between a race car and the pits—they helped the car win its division championship by jamming three inch-long segments of CB antenna into its transmission.

RACE CAR INSTALLATION WAS MAIN OBJECTIVE

One of the main objectives of the test was to study CB communications under the challenging ignition and engine noise environment of a car actually competing on a track like Sebring, where outstanding factory teams of Ford, Ferrari, Porsche and others compete. After studying many of the entries, Amphenol approached Fred J. Baker, owner-driver of a Renault Alpine that was given a good chance to take the 1000-1300 cc championship.

The Renault Alpine, for those who aren't as sharp on race cars as on CB, is a fairly rare little vehicle costing about \$12,000 prepared for the track. Only three have been imported into the U.S. Finely tuned by Fred's expert mechanic, Bob Dean, the Renault Alpine effortlessly turned 130 miles an hour on the shorter of Sebring's straight-aways. Not bad for a 52 hp engine.

The Renault Alpine seemed a good choice because it has two features prophesied for future American cars—a non-metallic body and an engine/trans-axle drive. In addition, it has a 12-

volt *negative* ground electrical system, something of a rarity among foreign automobiles.

Fred quickly agreed to let Amphenol help his mechanic install a transceiver on the floorboard of the car, just to the right of the transmission shift lever on the passenger side. An Amphenol 510-B transceiver was selected because it mounted most easily in this position with its standard mobile dash bracket turned upside down. By tilting the face of the transceiver slightly upwards, the volume and squelch controls were easy to reach from the driver's seat without stretching—an unhealthy exercise at any speed, much less at 100 plus.

An antenna installed on a Fiberglas-body automobile poses some unusual matching problems, as CB'ers with Corvettes may have learned. Most CB antennas are tuned to represent a 52 ohm load when correctly installed on a steel-body car. When a precision SWR bridge was placed in series with the transceiver and a short-center-loaded whip, power forward and power reflected were about equal. By careful pruning, the SWR was reduced to more reasonable proportions. But the nearest grounded metal was still about three feet away, which didn't help matching very much. Without a proper match, the Amphenol team realized that no transceiver with transistor output could be considered reliable.

A test run over country roads indicated that, at least for the five mile range of the Sebring course, the car's own ignition noise wouldn't overpower the base station signal (you don't put resistor plugs on a \$2000 engine tuned for racing). A special loudspeaker developed by Jensen for Army tanks cut through the unmuffled engine noise with no difficulty.

TROUBLES BEGIN IN TRIALS

When practice laps began the following day, however, it soon became clear that the unmuffled engines of the magnificent 7000 cc Fords, Porsche Carreras and other mechanized monsters



Driver-owner Fred Baker tests CB two-way radio system in his Renault Alpine, just moments before the car was pushed to its starting position.

made three watts of audio through a loudspeaker seem pretty puny. Since the town of Sebring seemed an unlikely place to find a 20-watt transistorized P. A. amplifier, an earphone inside the driver's helmet was the only alternative, even though it meant a wire to be plugged and unplugged at each pit stop.

But thoughts of two-way radio disappeared when, as the Renault Alpine pulled into the pits, the speedometer gear broke loose and shot through the front cover of the trans-axle housing. A replacement could not be obtained from Fort Lauderdale till the following day, and installation took almost 10 continuous hours of work.

Having lost valuable practice time, Fred Baker wasted no time in getting the car back on the track for time trials. A drag strip timing team set up its equipment on one of the short straightaways on the track, and clocked the car at 127.2 miles per hour. At the time, Fred was cautiously turning only 6000 rpm on a tachometer which is red-lined at an unbelievable 8500 rpm (the family sedan probably won't break 5500 rpm).

Then, trouble again. In one of the turns, a linkage pin in the trans-axle sheared loose and whirled through the gearbox, seizing it. Once again, a call was placed to Fort Lauderdale—this time for a whole new trans-axle.

Time was getting short when the gearbox arrived late Friday, the day before the race. With only three hours of sleep under his belt, mechanic Bob Dean crawled under the apparently jinxed Renault Alpine and began installing the new trans-axle.

Things were going smoothly when Bob and the Amphenol team members helping him suddenly discovered—at midnight—that three needle bearings were missing from a bearing race supporting a collar on one of the universal joints. Without the three bearings, road shock and normal sway seemed certain to cause remaining bearings to heat up and possibly put the car out of the race.

For awhile, the only solution appeared plainly illegal—steal bearings from one of the anonymous Renault sedans parked near the pits. (Sebring legend tells how a factory team pressed for drive-



Engineer Joe Strawbridge calls an Amphenol mobile from Clark Cortez communications center during Friday's sedan race at Sebring. Amphenol 510-B was used to monitor Channels 1, 4, 8, 11, 13, 17 and 21, the channels used by the Renault Alpine, police, press, race officials and others around the track.

shaft components actually did this several years ago, leaving a note on the windshield of the stripped car in a parking lot.)

A less daring solution was found, however, when Amphenol engineer Joe Strawbridge discovered that the top section of an Amphenol C-75 walkie-talkie antenna was made of a tough steel about the same diameter as the needle bearings. With heavy-duty wire cutters and a metal file, four attempts yielded three substitute bearings. After the bearings were greased and set in place, Bob Dean said he couldn't tell the difference between the action of the race containing the "antenna" bearings and others containing real needle bearings.

At 8:10 the next morning, Saturday, Bob tightened the final bolt on the car's bottom cover—only 20 minutes before Sebring rules required all entries to be lined up in the starting area. Time elapsed since the transmission installation began: 13 hours, 50 minutes.

BASE STATION SET UP

The base station was set up on a raised platform Bob and Fred had built over the Renault Alpine's trailer. An Amphenol 650 transceiver fed a ground plane antenna about five feet higher than the platform, which serves to elevate timers above crowd. A Jensen Hypex public address loudspeaker was connected to the transceiver to help cut through the expected high noise level about 75 ft. from the track.

Channel positions A and B on the mobile and base transceivers were CB Channels 1 and 17. Walkie-talkies on Channel 21 linked timing tower to pit. These were chosen on the basis of channels on equipment loaned by Amphenol to track officials, and on the basis of observed skip problems several days before the race. (Spanish-speaking stations clogged the channels day and night on March 23 and 24, giving the Amphenol team a deep respect for the unusually difficult operating conditions Florida CB'ers must endure.) Thankfully, the skip ended before the



View of Sebring track from Goodyear blimp. Amphenol engineers accomplished what may have been the first blimp-to-ground contact with battery-equipped Model 650 on Goodyear radioman's lap, and 1.5 watt C-75 on the ground.

race day, and didn't return until after the checkered flag.

"10...9...8...7...6..."

Waiting for the signal for the LeMans-type start, Fred, in his sky blue driving suit and silver-white crash helmet, looked much like other top drivers—except for the white earphone cord dangling from his helmet.

Suddenly, a driver jumped the gun and others followed. The judges decided to consider the race started. Fred dashed to his car and jumped in. He plugged the earphone lead into the jack box that Amphenol engineers had improvised from a 35 mm film can taped to the fuel tank switch-over lines beside the shift lever. For a few painful seconds, the Renault Alpine sputtered—then it roared out on the track.

Minutes later, the wife of alternate driver Bill Kirtley clicked the stop watch on Fred's first lap, and shouted the time into the ear of Amphenol engineer Strawbridge manning the base station.

"KUY3050 Car 65, this is base—your time on first lap was four minutes, three seconds. Repeat—four minutes, three seconds. 10-4?"

Agonizing moments passed while Fred maneuvered the tricky turns beyond the grandstand straightaway. Then came the awaited answer:

"KUY3050 Car 65 to Base—Roger! 10-4!"

Twelve hours later, the CB-equipped race car took the checkered flag for first place in the 1000-1300 cc division, more than a dozen laps ahead of its nearest competitor. The antenna "bearings" had held. CB made it possible for him to know in detail exactly how he and his competitors were doing, and enabled him to pace the car more effectively.

CB EVERYWHERE AT SEBRING

Although the Renault Alpine installation was the most spectacular, citizens' band radio was used in many other less dramatic yet equally important instances during race week at Sebring.



Mechanic Bob Dean communicates from pit with timing personnel clocking CB-equipped Renault Alpine. Despite heavy noise and ignition static from unsuppressed race cars such as the Corvette pulling out of the pits behind him, CB got through with no problems. Timer-to-car communication was on Channel 1, and pit-to-timer communication was on Channel 21.

A CB center was set up by Amphenol in a Clark Cortez motor home, with a 510-B transceiver connected to a 102-inch whip on top of the eight-foot high vehicle, for monitoring all channels. Inside the Cortez were hundreds of crystals, antennas of all kinds, nickel-cadmium batteries and chargers, SWR bridges, meters and various other kinds of equipment and accessories. Including the 50 transceivers, the Amphenol communications vehicle contained more citizens' band equipment than many metropolitan CB stores.

An important use for five-watt Amphenol 600's with battery packs was found by Sebring race secretary Reginald Smith. Mr. Smith used a pair of the units to link his office with the official inspection center set up in a parking lot about a mile and a half away.

At the inspection center, technical experts scrutinized each car in minute detail. In addition to meeting technical requirements, each car must pass *Federation Internationale d'Automobile* (FIA) grand prix qualifications, such as road clearance and baggage capacity (each car must be able to hold two standard suitcases).

As soon as an entry received the official yellow "approved" sticker for its dashboard, the inspector called Mr. Smith's office via CB to keep his approved entrants list up to date. The calls also permitted Mr. Smith to monitor traffic at the inspection site, so that if the flow or acceptance rate of entrants seemed exceptionally slow, he could tell drivers telephoning his office of additional inspection hours.

BLIMP-TO-GROUND CB — A FIRST?

When the Goodyear blimp tied down only a few hundred yards behind the communications vehicle, Amphenol's team requested and obtained permission to run a blimp-to-ground CB test.

After fixing a gutter-clip antenna to a window

HERE IT IS!

The PRM COMPACT CONVERTER

Converts VHF to Broadcast

With it you can monitor VHF such as aircraft, business, marine, police, railroad, taxicab, radiotelephone and others, with your transistor broadcast radio. Crystal controlled.

Place the PRM Converter next to a good 6-10 transistor broadcast radio, tuned to a frequency determined by the crystal. No internal connection needed. Performance of 20 miles or more under good conditions.



Powered by 9-volt transistor battery. Case $2\frac{7}{8} \times 1\frac{7}{8} \times 4$ inches. Antenna extends to 36 inches. Weight $8\frac{1}{2}$ ounces complete. Specify VHF frequency to be received, also broadcast frequency desired on transistor radio.

LESS BATTERY

\$24.95

At your CB Dealer

THREE FREQUENCY RANGES

PRM ONE—148-175 mc.

PRM TWO—25-50 mc.

AM or FM

PRM THREE—108-136 mc.

PETERSEN RADIO CO., INC.

2800 W. BROADWAY
COUNCIL BLUFFS, IOWA

EXPORT SALES: Roburn Agencies, Inc.
431 Greenwich St., New York, N.Y. 10013



New racing logo—and only one car in the world now carries it. "Equipped With Amphenol 2-Way Radio" logos may soon be seen on LeMans sports cars now that Amphenol has received invitation from factory Renault team to equip its entries with CB.

frame, the three-man Amphenol team clambered up into the gondola with an Amphenol 650 transceiver. As expected, line-of-sight communication between the unit in the blimp (one of two left in the world, both owned by Goodyear) and a 1.5 watt C-75 walkie-talkie on the ground was excellent. After the flight, Amphenol loaned two C-75s to the blimp ground crew to communicate with Goodyear personnel arranging passenger lists for flights at Sebring.

Numerous C-75s were also loaned to security officials charged with directing the 90,000-plus spectators and tens of thousands of vehicles on hand for the race. And Sebring press secretary Fred Livingston used a C-75 to communicate with the press box during the race as he patrolled pits and track areas.

LEMANS NEXT?

During the race, a French-speaking representative of the Renault LeMans team approached an Amphenol engineer and requested that Amphenol help equip the factory's entries in the June 24-hour endurance race in LeMans, France. Although there is some question as to whether the red tape involved in securing permission for CB operation in France can be cleared in time, interest in two-way communication for racing has sparked much thought at Amphenol.

Under consideration is a set of special CB transceivers designed especially for auto racing, based on the Amphenol 600 series. The Model 600's solid-state switching may be combined with such expensive modifications as the first positively burnout-proof final transistor (to guard against frequent failure of loading coil antennas, etc.), voice control (VOX), and negative/positive ground operation. At the time this article was written, these plans were still pending.

AMPHENOL WILL CONTINUE IN RACING

As of now, only one race car in the world carries the new orange, black and white "Equipped with Amphenol Two-Way Radio" decal—Fred Baker's Renault Alpine. But this oval will soon join the well-known *Fram*, *STP*, *Champion*, *Goodyear* and other established racing supplier logos seen on winning sports cars around the globe.



S9 is the nation's largest circulating CB publication.

Faulty, fragile, filament failures.

Phooney.

Yes, phooney to filament failures and costly tube replacements. CB radios should be solid state to take the bumps and knocks of mobile use.

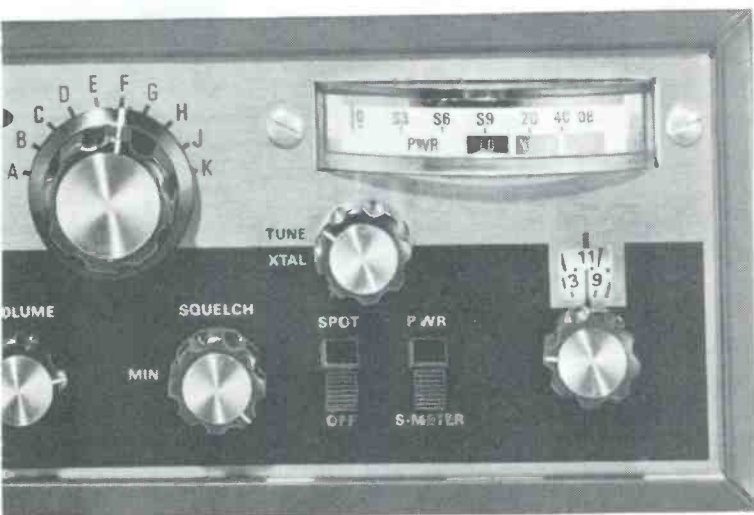
That's why *all* Amphenol Citizens Radios are solid state. We don't believe in thin filaments that heat up and short or snap. Or in fragile glass enclosures. Or in tubes at all, when transistors have

more than ten times the life and warm up instantly. That's why Amphenol has the broadest line of solid state equipment available today.

Take the new Spokesman 650 for example. This ten crystal-controlled channel receiver is complete with spot button, S and RF meter, squelch control, 23 channel RF tuner, solid state switching

(no relay, making it possible to provide communications even at 25°F below zero), and most important, Amphenol dependability.

Remember, when you want the reliability of solid state circuitry, think of the industry's broadest line, Amphenol. See your local Amphenol distributor for more information on Amphenol solid state, and the Spokesman 650, or write us direct.



AMPHENOL DISTRIBUTOR DIVISION

AMPHENOL CORPORATION

2875 South 25th Avenue, Broadview, Illinois 60153

S9's Editor, Tom Kneitel, snapped a photo of this neat-looking metal monitor marker alongside the highway leading into Elkins, W. Va.

**CB
INFORMATION
9
MONITOR**

SIGNS OF CB
VERY DEFINITE SIGNS HAVE BEEN SEEN

by VAY S. MEER, KKE8658

What with CB "of age," and a number of highly publicized promotional campaigns afoot, now is the time for *your* city, town, village, or whatever to get on the ball and help to promote the service. How? Well, we feel that among the better ways, and one which serves the CB community, is to place monitor marker signs at all main highway entrances to the area.

A monitor marker sign lets on-the-go CB'ers from out of the area know that his fellow CB'ers are within radio range in the event he needs road instructions, hotel or motel reservations, or any other aid or assistance normally provided by CB'ers for others of their kind. All the sign has to show is the channel number. If you want to get fancy, you can add the name of your club.

To the non-CB'er traveling the road, the sign is just one more reminder that CB'ers are ready, willing, and able to offer their services. After seeing a few of these signs, perhaps the fellow will become interested enough in CB to join our ranks.

At any rate, everybody comes out ahead with a monitor marker sign, the town, the CB club (or individual), the motorist. There are several considerations to be kept in mind, however, and getting the project under way means more than scrawling a big number in chalk on a hunk of cardboard, and then nailing it to a tree on the outskirts of town.

CONSIDERATIONS

Just for example, the sign must be easily readable, well placed, neat in appearance and durable, mounted so that it will not fall within a few weeks, and it should be planned and placed with the blessings (and/or help) of the local authorities.

"LET'S PUT UP A SIGN"

If that's what you've already said to yourself, we might as well move along on the project.

Right off the bat, you should get in contact with the local authorities to get their advice on the plan. Tell them that you are a club or individual CB'er providing emergency monitoring services via CB, etc., etc., and want to put up the sign. By local authorities, we suggest the local Highway or Road Department, or the police or sheriff. If your town has a Chamber of Commerce, you might bring them in on the discussion. Show them all copies of this article in S9 so that they can see that such signs are going up throughout the country. If the signs are to be erected within the city limits you should be able to handle the project completely on a local basis, but if they are outside of the city limits, you will probably need the approval of the state highway department. The need for all of this red tape is so that you do not bring a fine upon yourself or your club by erecting the sign against any one



This sign pops out at motorists heading south on Route 17 in Virginia. It was placed by the CB 5 Watters of Virginia.



The sign shown here was commercially produced by Metal Craft Mfg. Co., Inc., of Concord, N. C.



The Northwest Area Citizens Radio Assn., Inc., made a nifty looking sign for traveling CB'ers to see. Note height above ground, as compared to two club members standing alongside.

ATTENTION! CB OPERATORS

SAVE ON CITIZENS
RADIO EQUIPMENT

Buy Used And
Discontinued Models
From International
Radio Exchange

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

Write Today For A Complete
List Of Equipment In Stock



INTERNATIONAL

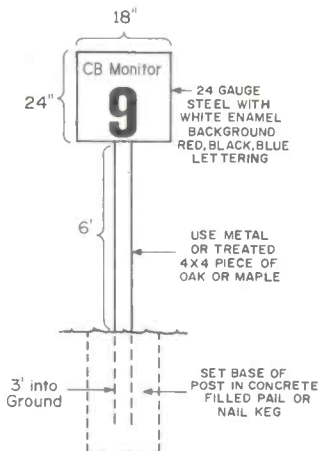
RADIO EXCHANGE

18 NORTH LEE, OKLA. CITY, OKLA.

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



S9 is the nation's largest circulating CB publication.



of a number of laws established to regulate signs along highways.

Most states, for instance, will turn thumbs down on diamond or circular shaped signs because such shapes generally indicate highway instructions. There are all sorts of unique laws, so check them before you spend a lot of time on a sign which can't be erected.

GENERALLY

As a rule, most areas will usually pass upon signs which are square or rectangular, white background, with red, blue, and/or black lettering. Since this is as good a design as any, and seems to be popular, why not see if you can work up your sign using these standards.

To be easily seen, your sign should be at least 2 feet high by 1½ to 2 feet wide.

To be rugged enough to hold up under the elements, the sign should be good, solid, steel (something like 24 gauge). All colors and letters should be baked-on enamel or silk-screened for best results. It might be noted that we have seen a number of hand-painted on wood signs which seem to stand up very well.

A local sign-painting shop can be called in on the project if you want a professional look to the lettering. You can paint it yourself, but keep the letters and numbers large enough to read and neat enough to be appealing.

The sign should be mounted at least 6 feet above the ground on a metal or wood (a treated 4 x 4 of oak or cedar) post. The base of the post should be set at least 3 or four feet into the ground, preferably in a bucket or nail-keg filled with concrete.

AFTER IT'S UP

When the sign (or signs) is completed and erected, you should then seize the opportunity to toot you horn a bit by sending out press releases to your local radio station and newspaper (send a photo). Send a photo to S9 also.

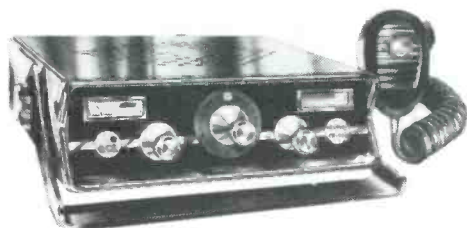
S9

\$169.

Courier's 23-channel solid-state CB rig. Guaranteed for 10 years!

Look for everything you've ever wanted in a CB rig in Courier's TR-23S. Silicon-transistors throughout bring the size down to $5\frac{3}{4}$ " W x $6\frac{1}{4}$ " D x $1\frac{7}{8}$ " H. Crystals supplied for all 23 channels. Complete with microphone. Illuminated S meter. Illuminated channel selector. PA system. Auxiliary speaker jack. Single-knob tuning. Modulation indicator. DC cord. Exclusive Courier "Safety-Circuit" to protect against mismatched antenna, incorrect polarity, and overload.

Plus the biggest guarantee in the business—*10 full years!* See it at your Courier dealer, or mail the coupon for full data.



e.c.i. electronics communications inc.
56 Hamilton Avenue, White Plains, N. Y.

Yes! I'd like to know all about the \$169
Courier TR-23S with the 10-year guarantee.

Name _____

Address _____

City _____ County _____ State _____



"Grinkle, Kazong-g-g, Flurple," means only one thing, says Batman, "I built this crazy Bat-horn from S9 plans, and didn't solder it right!"



"REACT, SCHMEACT, I'm telling you to clear the Bat-channel!" snaps the masked marvel as he gets a hot flash over the Bat-mobile's rig. Maybe the local Bat-stand just got in a supply of the new Bat-S9!

HOLY TRANSISTORS!

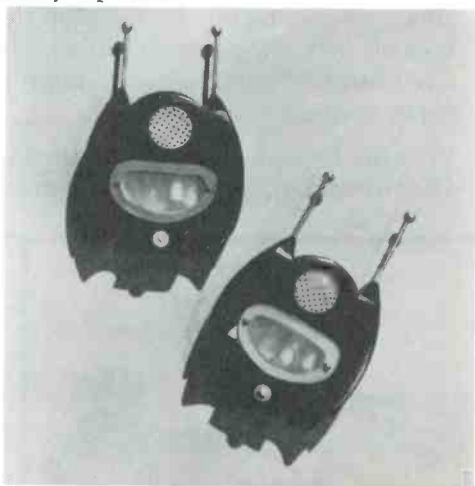
BATMAN TAKES TO THE AIR, ZOWIE!

We couldn't resist the temptation to give you a close look at the latest addition to the art of communications. We think it's CB, since on a recent program, "Batman Sets The Pace (Part II)," Police Commissioner Gordon spoke to the then-mobile caped crusader via a Polycomm CB rig.

CB or not, Batman's on the air, base and mobile! Our roving reporter caught some of the Bat-CB'ing for you, with the help of ABC-TV's publicity department.



"Part 15 TVI? Holy modulation bars!" says Robin as he digs the sounds on the W-T channel.



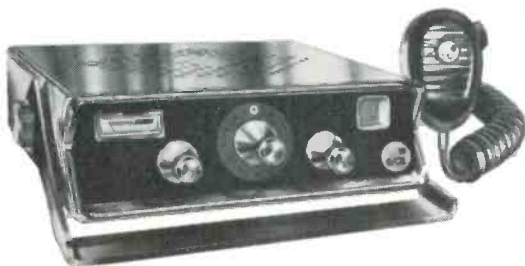
Close-up of the Bat-Talkies. We believe that the Bat-talkies use the world's smallest 2 element beam (note atop each unit). No, Bunky, you can't buy these at Lafayette.

\$139.

Courier TR-12. 12-channel solid-state CB rig. Guaranteed for 10 years.

Just look what we've built into \$139. Silicon-transistors throughout. Loaded with features in a compact 5 $\frac{3}{4}$ " W x 6 $\frac{1}{4}$ " D x 1 $\frac{7}{8}$ " H. "Uni-crystal" operation—single crystal for transmit and receive. Complete with microphone. Illuminated S meter. Illuminated channel selector. PA system. Auxiliary speaker jack. Modulation indicator. DC cord. Exclusive Courier "Safety-Circuit" to protect against mismatched antenna, incorrect polarity, and overload. Channel 9 crystal supplied. Plus the biggest guarantee in the business—*10 full years!*

(Want 23 channels? Courier's TR-23S—only \$169, complete.)



e.c.i. electronics communications inc.
56 Hamilton Avenue, White Plains, N.Y.

Yes! Tell me all about the \$139 Courier TR-12
with the 10-year guarantee.

Name _____

Address _____

City _____ County _____ State _____

CB PROVES A GASSER

TV COMMERCIAL MADE VIA CB RADIO

by DICK TURPIN, KCF2700



The Shell Oil Co. and its advertising agency, Ogilvy & Mather Inc., recently filmed a series of commercials on the Bonneville Salt Flats in Utah. Purpose of the commercials was to illustrate the mileage capabilities of Super-Shell Gasoline.

The commercial shows eight cars of different makes, traveling from a point in Salt Desert to Salt Flats, a distance of approximately 40 miles. The first run was made on Super Shell specially blended without a mileage ingredient. Where each car coasted to a stop, a huge paper barrier was erected. The cars then returned to the starting point and retraced the same route with regular blend Super Shell in their tanks. Using the same amount of fuel, each car exceeded the mileage of Super Shell without the mileage additive and crashed through its paper barrier.

The filming of this commercial was speeded considerably by the use of CB, including the Squires-Sanders 23'er, 23-channel model. Each car in the mileage test was equipped with a 2-way radio. The camera crews in the helicopter and at other locations also had 2-way radios.

All communications during rehearsal and production was accomplished by CB. CB radio was also used for coordination with the eight drivers.

This was accomplished by having a Shell engineer in each car report to and receive instructions from the leader. During rehearsals and actual runs, all cars radioed gasoline consumption data to the leader car on passing specified check points.

In the actual run, direction and coordination of cars, planes, helicopter, police cars and camera crews was accomplished by 2-way radio. This was important because all Shell TV demonstrations were filmed during an actual run so that start, finish and running shots were all obtained from a single trip.

The 2-way radios proved invaluable in preventing any slip-up, cueing failure or other communications breakdown which could have required an additional day's shooting. Both runs (with and without Platformate) had to be made in a single day to insure conditions as nearly identical as possible.

Shell reported that perfect operation of all CB radios helped put the film in the can with only one day's shooting.



The Messenger is Ageless



Year after year, the reliability built into Johnson Messengers keep them on the air long after other units have departed.

Whether it's a compact hand-held Personal Messenger; a portable field pack unit with rechargeable batteries; a popular priced tube-type or solid state transceiver; the new Messenger 350 single sideband unit; or one of the many Johnson accessories, Johnson's quality and reliability will insure your equipment will enjoy a long and healthy life.

Look to Johnson for the most versatile, most reliable two-way radio equipment and accessories available today! FCC type accepted. Prices as low as \$99.95.



MESSENGER

A best seller for years. Five crystal controlled channels. For 115 Volts AC and either 6 or 12 Volts DC.

Now only \$99.95 NET



MESSENGER TWO

Ten channels and tunable receiver. Full 5-watt input. For 115 Volts AC and either 6 or 12 Volts DC.

Now only \$149.95 NET



MESSENGER III

Use it base, mobile or portable! All solid-state design throughout. For 12 Volts DC. Accessory 115 Volt AC power supply available.

Now only \$189.95 NET



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CB RIG?

NO SUCH ANIMAL? WANNA BET?

by **GEORGE WEBB, KEJ7214**

In our April issue we ran a story entitled "In The Beginning," in which we ran a photo of a wild looking CB rig dubbed "Frank Webster's converted Collins MBF." Seemed to shake up a lot of people, because it certainly looked different than anything ever before seen on 11 meters—besides, the name "Collins" was mentioned. Collins, as many radio people know, is one of the elite names in communications gear, but they haven't yet taken the plunge into the manufacturing of CB rigs.

Frank, KKK4717 (ex-11W2342) of Hollywood, Calif., is a mild mannered old time CB'er. When not CB'ing on his deluxe rig he calls a movie studio the salt mines (he worked on CAST A GIANT SHADOW, among zillions of other productions). Frank and his XYL, Dottie, are long time S9 supporters (Frank's QSL card even shows a cartoon of him listening on the band while reading S9).

Frank tells us that his rig was made by Collins Radio during World War II for U.S. Navy use. It was called the Model MBF and was originally designed for 60 to 80 mc/s operation with high level AM plate modulation. The transmitter uses a single 28D7 tube modulated by a pair of 28D7's. The receiver is a superhet with three stages of 5.3 mc/s IF. The whole set contains 22 tubes, is fully crystal controlled, runs 3 watts out, weighs 27 lbs. Scarce as hen's bicuspidis now, when they can be found they sell for about \$50, this includes the internal 115 VAC/115 VDC power supply.



Here's that little old surplus converter, Frank Webster, KKK4717, shown with his MBF CB rig.

Converting the set to CB operation means re-winding the coils in the transmitter and receiver sections. There are four tuned circuits in the receiver and after the coils were rewound, Frank says that he pulled the plates off the capacitor rotors in each section. The capacitors were the fixed setting type so he made plastic pulleys to press fit each, and using a "dial cord" lashup he hooked them to a tuning dial for variable receiver tuning. He had to use two special J. W. Miller IF cans to make the receiver double conversion.

On the left side of the panel is the receiver, and the transmitter is on the right. Along the bottom the controls are: volume, squelch on/off, squelch control, speaker local/remote, PTT, metering switch, and crystal spotting. The upper left knob is the S-meter adjustment. The upper right hand knobs peak the set to the antenna. The large knob on the right selects any one of 12 channels, which show up as lights on the numbered buttons. Frank had the metal cabinet custom made.

Frank reports smashingly good results with the MBF.

For any additional information on this interesting rig, readers can contact Frank directly. His 10-20 is: Frank Webster, KKK4717, 1147 North Formosa, Hollywood, Calif. 90046.



The Collins MBF in all its glory. Note that the rig has a telephone handset. If you want, you can forget the handset and use the set's loudspeaker for the microphone.



Mighty Titan—the "optionals" are in the set.



The wraps are off Tram's TITAN



today's newest, most advanced base station

Here's your first look at the mighty Titan — engineered to make all the others a little bit obsolete. Titan — the complete base station — features 2 giant advances: *SUPER-SHARP SELECTIVITY* — cuts interference from adjacent channels to almost zero — rejection is 90 db or better; and a *NEW MULTI-FUNCTION METER* that measures forward power to antenna, standing wave ratio directly and power into built-in internal load.

Check these other superb Titan base station features. No optionals. No extras. Everything is standard equipment.

- Equipped with all 23 transmit crystals • First class sensitivity — input for 10 db signal plus noise to noise ratio .15 uv.
- Collins mechanical filter; for super selectivity • RF gain control • Tone control
- All aluminum metal parts • Built-in low pass filter for minimum T.V.I.
- Transmitter delivers 3.5 watts minimum output; has separate indicators for carrier on and modulation, keyed audio compression
- Teflon covered wire.

At \$434.00, Tram's Titan is your mightiest C.B. base station buy.

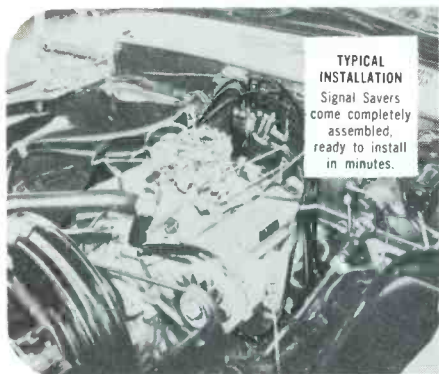
Tram Electronics, Inc.

*Dept. A-6, P.O. Box 187, Lower Bay Road, Winnisquam, N. H. 03289
Phone 603-524-0622*

ADD MILES TO RECEPTION

range of CB & FM receivers

by reducing ignition noise with
HALLETT SIGNAL SAVERS*



HERE'S WHY SIGNAL SAVERS INCREASE RECEPTION RANGE

Your receiver has a given operating range, depending on the type, power and frequency of the base station equipment, your mobile equipment, and local conditions. However, all gasoline-spark type ignition engines create ignition noise that interferes with your reception. And as your vehicle moves further from your base station the signal becomes weaker, the ratio of ignition noise to signal strength increases, and eventually the noise interference overrides your signal. Thus, noise interference limits your communications range.

But by grounding noise interference so it doesn't "clobber" the incoming signal, you can extend your reception range. Even double it. That's how *Signal Saver* works. It places a noise blanketing shield around the sources of the noise — the distributor, coils, spark plugs and high tension leads. In short, *Signal Saver keeps the noise out, lets the message in.*

FREE

Write for helpful information on adding miles to mobile receiver reception. Includes prices and data on Hallett Ignition and Battery Charging Shielding Systems. Get full reception from your receiver by reducing ignition noise. Write today!

There's a Signal Saver to fit practically every internal combustion engine



*Signal Saver is a trademark of Hallett Manufacturing Company



HALLETT MANUFACTURING CO. DEPT. 56
5914 Bowcroft St. • Los Angeles, Calif. 90016

THE MICRO-HAM SPECIAL

GET ON THE AIR WITH THIS LEGAL "HOBBY CB" RIG,
AND LEARN CODE TOO!

by ROBERT McAIRE, KIC7608

Ever wish you could operate a Ham radio station? It's great fun, and there are hours of enjoyment for those fortunate enough to have passed the FCC's exam for the license.

Want to try your hand at operating your own Ham-type station, try it *without* going through the formality of a license? You can, you know, and quite legally too! Yes, under FCC regulations you can set up your own "Micro-Ham" code (CW) station right in the 11 meter Citizens Band and communicate away to your heart's content! Work skip, set up your own local Micro-Ham network of stations, swap QSL cards, the whole Ham radio scene! When you get to know the ropes you can then settle down and bone up on the FCC's exam for the regular Ham exam.

The equipment is easy enough to build, and you can be on the air in a short time after you finish this article. You can even get your own Micro-Ham "callsign" (you can't use your reg-

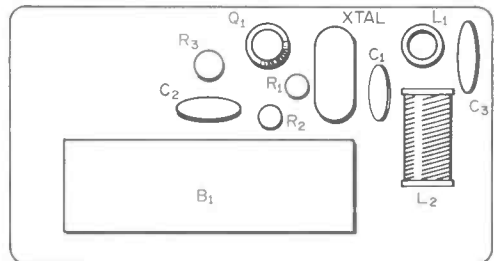
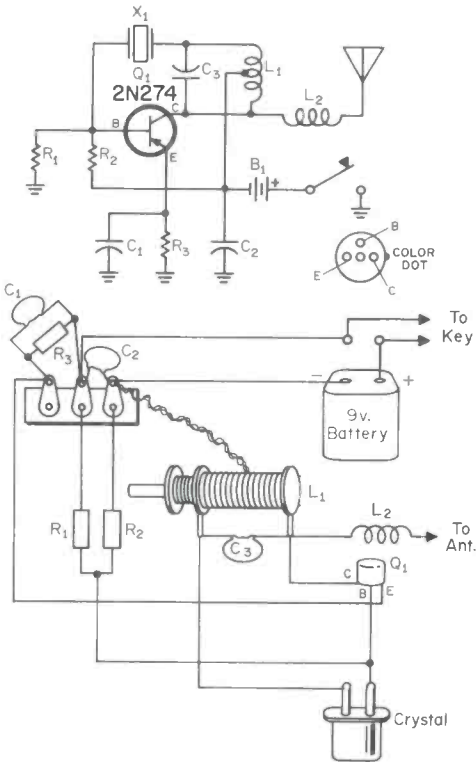
ular CB call) from S9 Magazine. Thousands of stations are already using Micro-Ham gear, which operates under Part 15 of the FCC's rules and regulations.

Rules and regulations? Yes, even Micro-Hams are obligated to follow some rules. Basically, you've got to stay within the edges of the band (that is, between CB channels 1 and 23), but within these limits you can operate anywhere without regard to whether or not you are exactly on a regular CB channel. You must also be careful to avoid causing any interference to class C or D 5-watt CB stations. We have found that the frequency of 27.045 mc/s (between CB channels 7 and 8) is usually free of interference, and seems to be a good place as any for Micro-Hams to congregate. We call it "Channel B."

As for technical requirements, the FCC limits you to 100 milliwatts input, fed into a single element antenna of not more than 5 feet in

PARTS LIST

- C₁ .01 ufd 15 v. ceramic disc cap.
 - C₂ .001 uufd 15 v. ceramic disc cap.
 - C₃ 15 uufd silver mica 15 v. cap.
 - R₁ 27K ½-watt resistor
 - R₂ 220K ½-watt resistor
 - R₃ 47 ohm ½-watt resistor
 - Q₁ 2N274 transistor
 - B₁ 9 volt battery
 - L₁ See text. Wind on J. W. Miller Co. coil form #42A000CBI.
 - L₂ See text. Optional.
 - X₁ 3rd overtone 27.045 mc/s Crystal
- Misc.: chassis, box, antenna, wire, telegraph key, battery connector strip, terminal strip (optional).



length. The 5 feet includes the lead in. That means that you can't use your regular base station monster antenna. As a matter of fact, unless you mount the rig right at the base of an outside mounted antenna (there's no height limitation, by the way), you are stuck with using either an indoor antenna, or one mounted just outside your window sill.

Our "Micro-Ham Special" rig has taken all of these factors into account and will offer you the maximum coverage under the regulations. Just on ground wave, we covered several miles, with the rig on the second floor of a house. You can receive signals from the "Micro-Ham Special" on any communications receiver having a beat frequency oscillator (BFO) or on a regular CB rig using an external BFO which you can either build easily or buy. You can use a very elaborate receiving antenna system, even your regular CB antenna, since the FCC antenna limitations don't apply to receiving, only transmitting.

THE MICRO-HAM SPECIAL

To build the transmitter, get a small 2" by 2" piece of perforated board, or even a piece of cardboard that size.

The coil (L_1) is wound on a $\frac{1}{4}$ " slug tuned coil form. Take some #22 wire and take the insulation from the end and solder to the lug in the center of the form. From the soldered end of the wire, start winding the coil about an eighth of an inch from the collar of the coil form. Wind 6 closewound turns, then bring the wire away from the form for about 3 inches, folding it back towards the form to make a

CERTIFICATE OF COMPLIANCE WITH FEDERAL COMMUNICATIONS COMMISSION REGULATIONS, PART 15, SECTION 205.

S9 Magazine certifies that this low power transmitting device can be expected to comply with the requirements of Section 15.205 of the FCC regulations under the following conditions: When this device is assembled with components of the specified values and according to the diagrams and instructions published. When used for the purpose and in the manner described in the instructions. When operated on a frequency between 26.97 mc/s and 27.27 mc/s, with a 9 volt battery, and using an antenna limited to a single element not more than 5 feet long.

Tom Kueitel

S9 Magazine, Port Washington, N. Y.
May 16, 1966.

I hereby certify that I have assembled and adjusted this device in strict accordance with the above.

Owner's signature: _____

Date: _____

loop, and then wind six more turns in the same direction. The second end of the wire should now be scraped and soldered to the lug at the bottom of the coil.

Next, scrape the insulation from the loop on the coil back to about $\frac{1}{4}$ " from the coil form. Twist the loop.

The coil form should then be mounted on the chassis board. Next place the crystal on the chassis, erect, with the pins sticking through the bottom of the chassis board.

The antenna coil (L_2) should be wound now by using 10 turns of #22 wire on a pencil, removing the coil from the pencil firm. If you are going to use a commercially made loaded CB

Continued on page 78

APPLICATION FOR FREE STATION IDENTIFIER CERTIFICATE

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

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

Part 15 Department
S9 Magazine
14 VANDERVENTER AVENUE
PORT WASHINGTON, L. I., N. Y. 11050

Name: _____ CB Call: _____

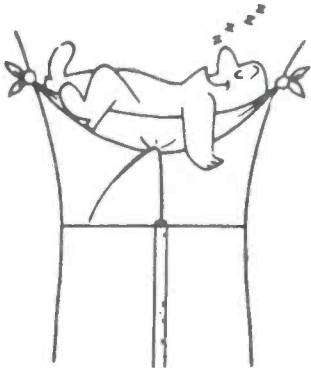
Address: _____

City: _____ Zone: _____ State: _____

Part 15 Channel: _____ Type of unit: _____

No. of units: _____ Date: _____

Signature: _____



ANTENNAS

by LEN BUCKWALTER, KBA4480

HOLD ON, LOTHAR, HELP IS COMING

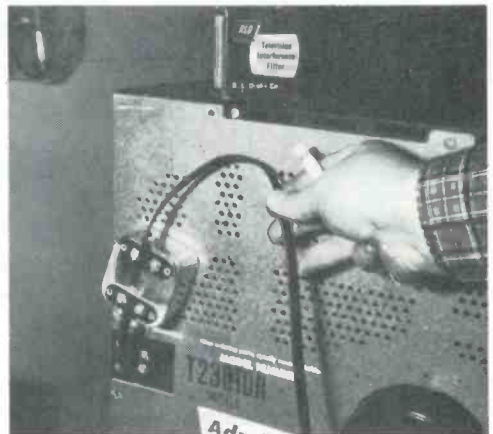
Zowie . . . Blam . . . Zok! Ta-pocketa ta-pocketa. Sound like some TV show. Right, the one produced by CBS — Citizens Band Signals. They'll wriggle the video and zorch your audio. Some experts recommend the triple-F remedy: find it, filter it, forget it. And it may work. But it can also start a neighborly feud that'll outlast the Jukes and Kallikaks. Filters on TV sets, like garlic, should be selected and used with discretion.

Trouble is that installing a filter on a TV receiver won't cure interference from the second harmonic sent out by a CB transceiver. Reason is that the second harmonic, worst of the lot, falls on 54 mc. It's plunk on TV Channel 2. Try to filter it at the TV set and you'll unfrock the Caped Crusader, maybe snip off Robin's tail.

The practical answer is to identify harmonic interference, then cure it at the source. The symptom on the TV screen: dark, thin and wavy lines across the picture. They're closely spaced. Also they're strong on TV Channel 2 and may not appear on other channels. If so, check the adjustment of the harmonic filter which is built into just about every CB transceiver on the market. Follow the rig's instruction manual. Usual procedure is to watch the interference on a nearby TV tuned to Channel 2, and adjusting the filter for least disturbance in the picture.

Filters sold for installation on TV sets are high-pass types and do nothing for harmonic interference. They must cut off above about 52 mc to leave regular TV reception unaffected. These filters, however, perform a useful job for other kinds of interference; from the CB rig, and other radio sources for which the CB'er might be blamed. There's a raft of signals below 52 mc which can rough up reception, especially in older sets.

The high-pass can do a good job when strong CB signals on 27 mc bull their way directly into the TV tuner. If the tuner can't reject 27 mc (which is the TV's, not CB'er's, fault) there may occur "front-end" overload. The tuner generates new, false signals. Some of these products are snared further along in the TV circuits and reception is scrambled. Identifying this kind of problem is not easy. In some cases it resembles the pattern already described for harmonic TVI.



In severe instances, however, it can affect any channel.

There are other interference problems caused by signals below the TV band. The 27-mc CB carrier might ride into the TV along with those of other services (FM broadcast, police, etc.) and produce mixtures. If the TV's a hand-me-down from the days of Uncle Miltie, chances are it has a circuit that operates on 21 mc instead of the current 41 mc type. It's possible for CB's 27 to leak in and cause galloping images or blat out the sound.

If you try explaining to a neighbor that the trouble is her TV, and not your CB set — rots of ruck. One answer is to suggest contacting the TV set manufacturer. Many are aware that the set is at fault and supply high-pass filters, sometimes at no charge. (You, of course, are licensed to transmit on 27 mc, but might not be able to use it as a convincing argument.)

If you can't obtain a filter for your own TV set, there are at least three different high-pass filters now available through electronic distributors or mail-order catalogs. They vary in price and effectiveness. Cheapest version consists of a few coils and capacitors on a plastic board (cost is about \$1). Better models have more sections and are built into a shield can.

A popular model, the TV-300-HP by Drake, is shown in our photo. (Drake supplies this unit

Continued on page 79

LAFAYETTE Model HB-555 Mobile-Ade 5-Watt Solid-State Mobile CB Transceiver

Business
FOR: Personal Use
Emergency H.E.L.P.

So Small ... Easily Fits
 In Your Glove Compartment!

**STYLED FOR
 MOBILITY
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Size only 5 $\frac{5}{16}$ " W x 7 $\frac{7}{8}$ " D x 2 $\frac{1}{8}$ " H.

99-3049WX

- ★ 14 Transistor, 4 Diode Circuitry
- ★ 12 Channel Crystal-Controlled Transmit and Receive
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- ★ Double Conversion Superhet with 455 KC Mechanical Filter
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- Variable Squelch Control Plus Automatic Series Gate Floating Noise Limiter
- Large Self-Contained 3 x 5 Inch Speaker
- Push-To-Talk Plug-In Microphone
- For 12 Volts DC Negative or Positive Ground or 117 Volts AC with Optional AC Power Supply
- Supplied with Pair of Channel 9 Crystals for CB and Emergency Mobile Aid through H.E.L.P.

Ultra-compact CB transceiver designed for economical and rugged operation. MOBIL-ADE's full 5-watt transmitter input with highly efficient push-pull audio modulation gives you a husky signal to punch through crowded CB channels. Razor sharp selectivity and fine adjacent channel rejection is achieved by the 455 KC mechanical filter. An excellent choice for both business and personal applications. Sensitivity: 7 μ v. for 10 db signal to noise ratio. Unit has socket for direct use with Lafayette PRIVA-COM II selective call unit. Supplied with microphone, sturdy mobile mounting bracket, power cable, and a pair of channel 9 crystals. Size: 5 $\frac{5}{16}$ " W x 7 $\frac{7}{8}$ " D x 2 $\frac{1}{8}$ " H. Imported.

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FAMOUS CB FAVORITE... NOW ALL-TRANSISTOR PLUS 2 POWER TUBES



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- ★ 10 Transistors, 2 Tubes, 10 Dodes
- ★ 12 Position Crystal-Controlled Transmit and Receive — 23 Channel Tuneable Receiver
- ★ All Transistor Superhet Receiver with .5 μ v Sensitivity
- ★ Mechanical Filter for Super Selectivity
- ★ 10Q Milliwatt and 5 Watt Operation

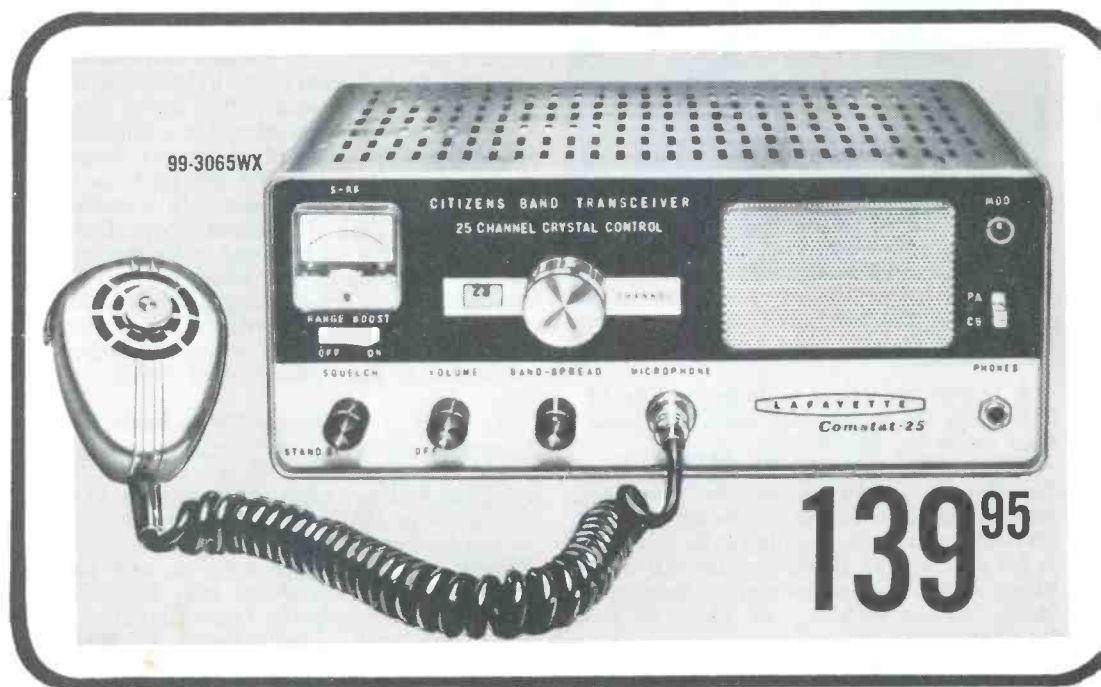
PLUS

- Illuminated "S" and Relative RF Power Meter
- Illuminated 23-channel Tuning Dial
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- Push-to-talk Dynamic Microphone for Enclosed Relay Switching
- Pi-Network Output Matches 30 to 100 Ohm Antennas

NEW! LAFAYETTE Comstat™ 25 25-Channel Crystal Controlled Range Boost™ Two-Way Radio

23 CB Plus 2 Emergency H.E.L.P. Channels-
All Crystals Supplied*

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CONTROL CB TRANSCEIVERS!**



139⁹⁵

- Highly Efficient Range Boost Circuitry
- Becomes A 4.5 Watt P.A. Amplifier with Flip of a Switch
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- 15 Tube Performance with 10 Tubes, 2-Transistors and 9-Diodes
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- Dual Conversion Receiver Features 8/10 μ V Sensitivity
 - 5-Watt/100 Milliwatt Selector Switch (Rear)
 - Pre-wired For Selective Call Unit
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HEROIC CB'ers

SAVE 5 LIVES

CB MONITOR STATION SWINGS INTO ACTION



The grateful Logue children offer thanks to the CB'ers who rescued them from the fire, Harry Canese, KBJ0420, and his son, Dennis, KOD0420. New York Daily News photo

A blind man whose main interest in life is helping others via CB saved his family from death last March 26th.

Andrew Logue, age 37, KKD0551, of Brooklyn, N. Y. had left his wife, Ellen, and his four children—two of whom are blind—at his home early in the morning so he could put in his regular tour of duty at the CB monitoring station of the Emergency Association Radio Service (EARS), of which he is a member.

Suddenly the radio shack was electrified with a distress message, "I feel heat . . . I feel heat . . . There's a fire . . ." A woman's frightened voice made the transmission, and it struck horror into the heart of Andrew Logue, for it was the voice of his blind wife!

Logue swung into action, calling police and fire units. Two other EARS members at the monitoring station, the father-and-son team of Harry and Dennis Canese, rushed Logue home (actually beating the fire equipment to the house).

The Canese men rushed in and helped the entire Logue family to safety, however

the rapidly spreading fire (spread from a burning truck in an adjoining junkyard) quickly destroyed many of the family's possessions and made them homeless. Among the few things saved was the CB rig.

The New York City Welfare Department was able to find temporary lodging for the Logues at a hotel, and a Boy Scout troop (a troop having a membership comprised, for the most part, of blind scouts), began a drive to help the family get back on its feet. The fire left them not only homeless, but also penniless. The Scout troop, Troop 440 of Brooklyn, is believed to be the only one in the country for blind boys. They are trying to collect clothing, household implements, linens and bedding, appliances and cash—anything at all which the Logues could use to help rebuilt their family and lives.

The New York Sunday News, having the largest circulation of any newspaper in the world (more than 3 million), featured the story on its front page. This appears to be the first time CB has "made the front page" as the lead story in a major big-city paper. Shortly after the paper went on sale they were besieged with phone calls from persons wishing to help the Logue family.

At first, calls were referred to EARS headquarters in Brooklyn (telephone number 212-439-9474), but the Scout Troop eventually became the coordination center.

Chairman of Troop 440, Arthur Tortorello, Sr., said that contributions to help the Logues should be addressed to the Logue Family, % Emergency Associated Radio Service, 5705 Sixth Avenue, Brooklyn, N. Y. As a kick-off to the drive, one neighbor pledged several rooms of used furniture, and friends and parents of the Scout troop members had passed the hat to the tune of \$100.

Even the family dog received special treatment. The brave little pooch, a 2 year old dog named Sandy, stood guard at

FINAL

SUNDAY NEWS

NEW YORK'S PICTURE NEWSPAPER

20¢

Vol. 46, No. 45

New York, N.Y. 10017, Sunday, March 27, 1966

WEATHER: Clear, mild, and bright.

BLIND, HE SAVES FAMILY IN FIRE

Hears Sightless Wife's Radio Alarm



His Ears Heard Horror. Andrew Logue 27, sits with his family (from left) Billy, 7; Victor, 10; Deborah, 10; and Elizabeth, 10, at EARS headquarters. Associated Radio Service, 100 W. 42nd St., New York City, helped the Logues. Logue, his wife, Richard and Michael are blind. Monitoring a different band radio, Logue heard a call for help from his wife. For other police and firemen, alerting them to his burning home. Others rescued his family. —Story on page 2.

Here's the front page of the New York Sunday News which carried the Logue story. The Sunday News is the largest circulating newspaper in the world.

Logue's burned out apartment and refused to be moved for two days. He was eventually lured away and put up at the ASPCA, where he will be cared for until such time as the Logues find a home.

We at S9 are proud, beyond words, of the Logues, the EARS organization, Scout Troop 440, and each and every person who participated (and is now participating) in the good work of helping the Logue family.

A special *Project S9'er* public service award has been presented to the Emergency Associated Radio Service.

We know that our readers will share our pride in this instance where CB *again* saved lives.

By the way, any help which you might be able to offer to Andrew Logue and his family will be put to good use and would be greatly appreciated. Even toys for the kids.

A "LONG RANGER"

The SHAKESPEARE
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offers:

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a salt water area must
- durable construction
takes high winds with ease
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The BIG STICK 176 is an excellent 18'6" — 27.1 mc fiberglass WONDERSHAFT® antenna . . . all direction coverage . . . minimum of dead spots . . . no ground radials . . . independent of mounting location.

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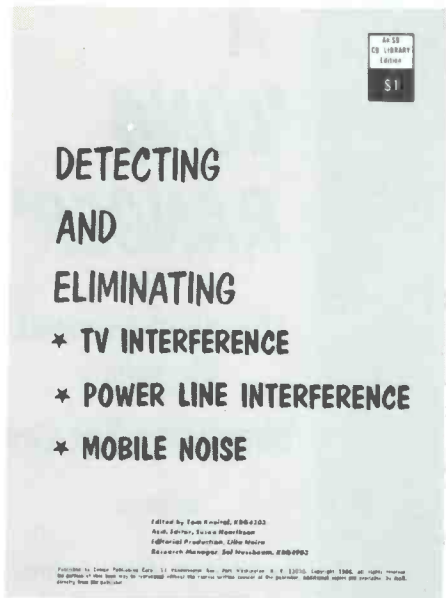
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LOOKIE!



S9's new series of budget books offers you a complete guide to the elimination of TVI, power line noise and mobile noise!

The manual is FREE to new subscribers, and we will offer it to current subscribers at the special rate of 50¢ per copy. The regular non-subscriber price is \$1.

Yes, it's true—just about everything you will ever need to know about CB noise elimination, all compiled from S9's pages and research archives by S9's Editor, Tom Kneitel. Articles on de-TVI'ing a CB rig, getting free TV filters, checking out CB rigs to find if they are generating TVI, locating the sources of power line interference and then eliminating the noise, and finally, details on quieting CB interference from auto engines, including those with the new alternator systems.

You can get your copy NOW and at no cost if you subscribe to S9—or throw a half dollar into an envelope with an address sticker from a recent S9 if you are a subscriber. Non-subscribers, chuck two 50¢ pieces into an envelope for the S9 Interference Handbook.

Interference Manual
Cowan Publishing Corp.
14 Vanderventer Avenue
Port Washington, N. Y. 11050

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**SEND ALL ITEMS
AND PHOTOS TO:**

Suzie Sez
% S9 Magazine
14 Vanderventer Ave.
Port Washington, N. Y.



by SUSAN HENRIKSEN
Assistant Editor



Hi Girls!

The winner of the YL QSL cards this month is Lucy Padgett, of Houston, Texas, her QSL card is pictured above.

This seems to be the month for anniversaries and weddings: Bill and Zeta Morgan, KNP0405, of Belle Vernon, Pa. celebrated their 17th Wedding Anniversary recently, congratulations to both of you.

It was a busy day for the Mascoma Valley REACT Club, Saturday, April 9th when wedding bells rang for two of their members, David Dunham, DBC2610 of Enfield, N. H. and Joann Savoy, KBC4209 also of Enfield: they were married at the Methodist Church there. We'd like to offer the newlyweds our congratulations.

I received a letter from Mrs. Bobbie Cox of Monroe, Louisiana, asking me for information on how to form a CB club. The women in her CB clubs are interested in forming a women's auxiliary to help promote interest in CB'ing in their area. I thought it would be a better idea if I mentioned this in my column and asked you girls for your advice. I know many of you girls

have formed your own clubs and thought you might help Mrs. Cox with any suggestions you may have on how she can go about organizing one in her area. If you have any ideas, please let me know and I'll forward them to her. Just send all suggestions addressed to Suzie Sez here at S9 Magazine. I know Mrs. Cox will greatly appreciate it.



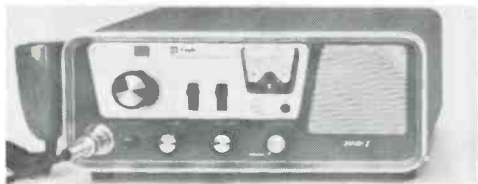
Congratulations are in store for our Circulation Manager here at S9, Hal Weisner, KBC4528, and his wife Ann who are celebrating their 25th wedding anniversary June 7th. Hal and his wife are pictured above at their home in Queens Village, New York. For myself and all the girls Hal, we wish you the best. . . .

Mr. and Mrs. Pete Yakish, KNP5094, of Charleroi, Pa., started off 1966 with a brand new baby girl, Linda, who tipped the scales at 7 lbs. 13 ozs. Congratulations folks.

Hey girls! Starting next month we will present our QSL winner with an ornamental pendant engraved with the winner's call letters. So send in those cards and maybe you'll be a winner!



S9 Lab Reports



KNIGHTKIT SAFARI I

You can have crystal control for both transmit and receive with top performance on all 23 channels and save dollars at the same time by putting together the newest Knightkit CB transceiver, the Safari I. Evidently sparked by the success of an earlier 6-channel kit, the C-560 of which many were assembled by CB'ers, the Knight people have come up with this latest kit that incorporates a preassembled and wired frequency synthesizer—there are no extra crystals to buy.

Besides having a dandy rig, you'll be proud to be able to say you built it yourself which, by the way, is quite easy to do as we'll see later on. Here is what your handiwork will produce:

Most of all you'll have a set with many features that are included on higher-priced factory-wired units. The receiver in the Safari I is a double-conversion job with a first IF of 6 mc for high image rejection and a second IF of 455 kc for good selectivity, rated with 40 DB adjacent-channel rejection. Besides the crystal frequency synthesizer which is used to produce the first conversion, the second-conversion oscillator also is crystal controlled. This oscillator can be "rubbered" with a variable capacitor, providing delta tuning for stations that may be slightly off the center frequency of a channel.

The RF stage uses a Nuvistor to ensure sensitivity with low noise, rated at .5 for 10 DB signal-to-noise ratio. There is a squelch with a panel-operated threshold control to silence the receiver between signal periods and a series-type automatic noise limiter is provided with an on-off switch. The loudspeaker is located on the front panel for maximum effectiveness and there are connections for an external speaker and facilities for PA operation with 2.5 watts audio output. Either the microphone or the receiver may be fed to the PA. In addition, an advantageous feature is that the mic gain also works with the PA.

TRANSMITTER SECTION

The transmitter, which is also controlled by the frequency synthesizer, operates at the legal input of 5 watts with a carrier output of about 3 watts. Complete modulation, producing a peak output near 12 watts, is attainable from the AF power amplifier of the receiver which doubles as the modulator. A mic gain control on the panel permits you to properly set the modulating level for maximum effectiveness and the cleanest signal

as indicated by a *normal* and an *overmodulation* lamp on the panel.

An adjustable Pi-network output for the final amplifier allows optimum matching to antenna loads of 45-95 ohms and includes an adjustable TVI trap. A push-to-talk mic is supplied with the kit. The full-view illuminated meter is automatically switched to indicate receiver S-units or transmitter relative-power output.

The built-in power supply is a universal type using silicon diodes and two power-switching transistors to provide either base-station operation from 120 VAC or for mobile work from 12 VDC (negative ground).

The Safari I is handsomely styled in a wrap-around type of perforated cabinet finished in blue with aluminum trim and it is enhanced with a two-tone panel of silver and sea blue. The knobs are black with polished-aluminum inserts and there are two rocker-type switches, one for noise-limiter on-off, the other to switch from transceive to PA operation. The selector dial is illuminated, so the channel numbers may be seen at night. The size of the unit is 5" x 13" x 10½".

ASSEMBLY

In case you have any fears about assembling your own gear, let us take a look at what the work involves and how it is made relatively simple with the Safari I.

The instruction manual starts off with suggestions on how to unpack the parts, sort them out and place them where they will be easily found when needed. Photographs of each type of part make identification easy, while the pictures of various pieces of hardware are shown full size—you won't have trouble picking out which is a 4-40 or a 6-32 screw, or other sizes and types, including nuts and lockwashers. Also, you don't have to know the color code for resistors, as all the resistors are mounted on cards and are individually identified by a number.

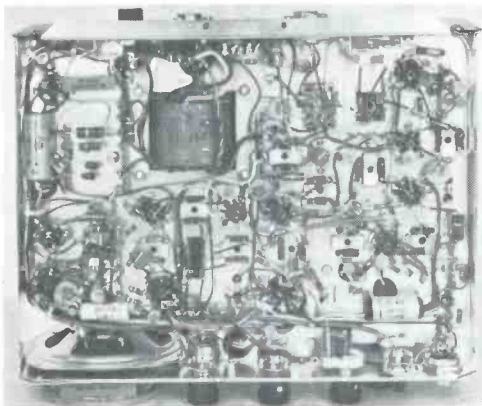
Helpful construction hints are also given and if you're not experienced at soldering, a whole page is devoted to showing you how to do it.

The actual construction begins by mounting most of the parts on the chassis and panel. Step-by-step instructions are provided on the left pages of the manual, while on the opposite side at the right are full-page drawings that illustrate where the parts are to be located. When clarification is needed, drawings are also shown with specific mounting details.

After each step is completed, there is a check-off box next to the instruction in which you can mark a cross to show that the work for that step has been done. You then proceed to the next step.

When the initial mechanical work is finished, you next start the wiring which consists of connecting different length wires to the parts already installed. You don't have to do any measuring or cutting, since the wires are pre-cut to length for you and their ends are stripped and

Note: In our April issue we incorrectly listed the address of The Robyn Company. The correct address is: The Robyn Company, 4303 Kroes Road, Rockford, Mich.



tinned. Each different length wire is color coded so that it may be easily identified and selected. For instance; all the 2" wires are red, the 3" ones are orange, etc.

When a wire is to be connected to a point, the assembly step indicates whether or not it is to be soldered at the same time. The reason for this is that sometimes two or more wires have to be installed at the same place, in which case soldering is best done after *all* leads have been connected to the particular point. Full-page drawings augment the instructions by illustrating where the wires go.

After most of the interconnections are made, you then install the resistors and capacitors, following the step-by-step procedures as before. Since the frequency synthesizer is already assembled and wired, you simply mount it on the chassis at the designated time and make three connections to it.

FINAL STEPS

The final steps consist in wiring up the cable plugs, installing the tubes and then—the thrill of first turning on the set! The story does not end here however, since there still will be some adjustments needed. This "alignment" can be accomplished with or without test equipment. In the case of the latter, you simply make the receiver adjustments with the on-the-air signals from another CB station, following the outlined procedures. When the transmitter is to be tuned up, you remove the antenna and substitute a "dummy load" (which is supplied) and proceed as instructed (on-the-air tuneup with an antenna connected is permissible only by a 1st or 2nd class FCC licensed operator). No adjustment of the frequency synthesizer is required, nor should it be attempted.

CONCLUSIONS

Putting the rig together was a lot of fun, while lab measurements and on-the-road checks for mobile service came well up to expectations with fine performance. For those who contemplate building the Safari I, it'll take 15-25 hours of time, but in this respect we cannot too strongly emphasize the following precautions for trouble-free construction of *any* kit:

Take time out to thoroughly read each step-

by-step instruction and make sure you understand it. Follow it through carefully, before proceeding to the next step. If the specified work is not clear to you, have someone else check it over with you. When you have finished the steps on each page of the manual, go back and recheck each procedure before going on to the next page. It will also be a good idea to examine each soldered joint with a magnifying glass. Do the work when you are fresh and don't continue for more than 1-2 hours at a setting. This will eliminate becoming tired and thus will reduce the possibility of errors.

The Safari I kit is priced at \$129.95 complete with all crystals, push-to-talk noise-cancelling microphone and power cables for 120 VAC and 12 VDC. Universal gimbal mounting is extra at \$5.95. The producer is Knight Electronics Corp., 2100 Maywood Drive, Maywood, Ill. and the package is marketed by Allied Radio Corp., 100 N. Western Ave., Chicago, Ill. 60680.

EICO 715 TRANS-MATCH

The EICO model 715 Trans-Match is a CB test set specifically designed to check transmitter performance. Unlike several other "CB test sets," the EICO requires neither a battery for a power supply, nor constant referral to an instruction manual.

The 715 tests for the three specific items which have the greatest effect on transceiver performance; SWR of the antenna system, RF power output, and percent modulation of *speech input*. As an extra, EICO throws in a moderate sensitivity field strength meter (FSM).

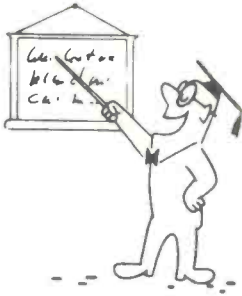
The SWR section is the more-or-less universal standard, the "Monimatch" type. The advantage of the Monimatch compared to a bridge type SWR meter is that it can be left permanently connected to the transmission line for constant SWR monitoring. (The resistance bridge cannot be left connected to the line as the bridge itself absorbs a substantial amount of power.)

The power output function has two ranges, 0-5 watts and 0-50 watts. While only the 5 watt range is required for CB, the 50 watt range is included for those who might also operate in the CB "business band" where power in excess of 5 watts is permitted. The high 50 watt range is also useful for model control hobbyists, who are allowed up to 30 watts RF input power. Both the 5 and 50 watt ranges have an internal calibration adjustment which can be user adjusted should component aging or service require recalibration.

Unlike other CB test sets, the EICO has a switch selected load resistor—this allows the power meter to be used while an external load (other than the one in the 715) is connected to the transceiver.

The modulation meter is specifically calibrated for *speech input*. Modulation meters calibrated for sine-wave (tone) tests *do not* indicate correct modulation values when indicating complex waveform such as speech. Since few CB'ers test

Continued on page 80



KYLE'S KORNER

WRITE TO:

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

SCRAMBLED SCRAMBLER?

You mentioned last August that your suggestion for a scrambler was a balanced modulator. I used the enclosed circuit (Figure A) and could not get it to work. Do you possibly have any suggestions? Everything checked out OK, but the audio fed through and the coding signal had no effect even though greatly increased coding audio amplitude was utilized. Also, may I have the address and name of the previous questioner so that I might see if he has come up with anything? Thanks.

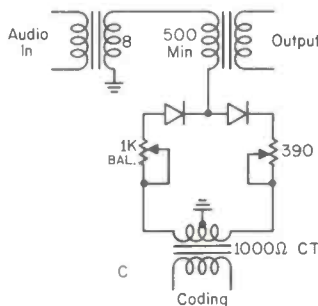
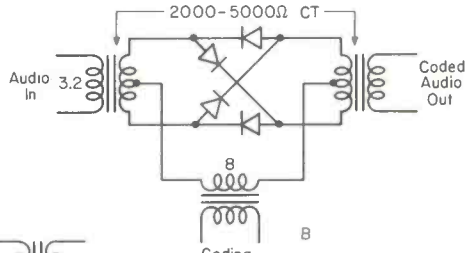
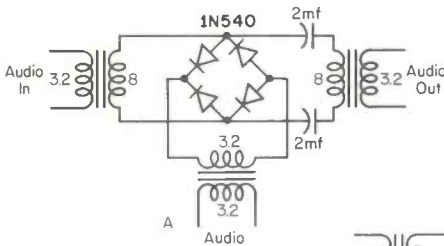
—R.M.J., University City, Mo.

To take the last question first, unfortunately my filing space is so limited to hold onto the questions after they get into the column (it's hard enough finding room for the unanswered ones). If D.W.S. in Pittsburgh has made one work, let's hope he lets us know about it. Now to the circuit problem. The circuit itself is a standard bridge; I suspect it would probably work much better at higher impedance levels. You might try stepping up to around 5000 ohms (with cheap universal output transformers) instead of only

to 8 ohms, since the diodes themselves can easily have several ohms of impedance and this will reduce their modulating effect drastically. The coding signal should be at least 10 times the voltage of the desired signal, as well. A couple of other balanced-modulator circuits you might try if none of the previous helps are shown as Figures B and C. The same things apply; keep them at high impedance and keep the coding signal 10 times as big as the audio going through. The one in Figure B is a ring modulator which is electrically identical to the bridge you were using. That in Figure C is a series modulator which needs only two diodes but isn't quite as efficient in getting signal through. However, the series modulator does include a balance control which neither of the others has; you can adjust this control to balance out virtually all of the coding signal if you can ever get things perking at all. Good luck in your experimentation.

TERMINOLOGY'S THIS PROBLEM

I am one of the retirees we see so much in the papers about. In order to help pass the time I became a CB addict early this year; now



that hobbying is loused up I am also becoming interested in SWL. I find I am a complete ignoramus so far as terminology of radio and CB is concerned. Have looked thru S9 for several months for advertisement of a book that might enlighten me along these lines but find nothing. Perhaps you can suggest something that would not be too technical and would assist me with the meanings. My thanks for any help.

—F.M.N., Spartanburg, S. C.

Well, it's never too late to learn more. Myself, I broke in by way of a volume called "Understanding Radio" by Watson, Welch, and Eby, which is published by McGraw-Hill and available from Allied Radio for \$8.25 (which is a neat bit of change; wish my own books sold for such prices!).

SELECTIVITY, SENSITIVITY BOTH POOR

I have a so-called cheap set, which doesn't have any selectivity or sensitivity at all. Is there any way to remedy this?

—M.F., El Cerrito, Calif.

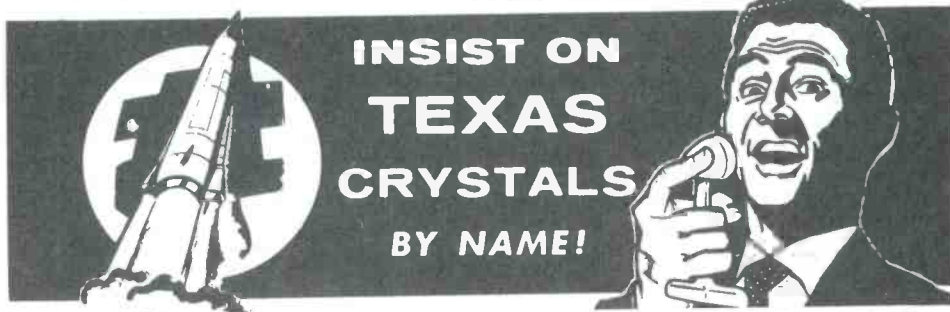
The comedian in me is tempted to reply, "Sure, buy a better rig!" but somehow I don't quite think that's the answer you want. More seriously, you can probably make a big improvement in both selectivity and sensitivity by

going to an outboard receiver, using a good converter ahead of a salvaged auto radio as I've mentioned several times before in these pages. Especially if you're using such a rig for a base station, you'll be amazed at the improvement. The reason for recommending an old auto radio is that many of these used 175 kc and 262 kc if strips, which have inherently better selectivity than do the more conventional home-type receivers, and also an auto radio by its nature has to be more sensitive than a table model or even an expensive console (which can use a large antenna). Going price on salvaged radios seems to be between \$5 and \$10; cost of conversion will be about another \$5, and the converter will cost you between \$10 and \$50 depending on where you buy it and what kind you get. This means you may get out for as little as \$20, or may spend as much as \$65. Either way, you get a receiver that's double-conversion, has wide bandspread, and more sensitive and selective than most on today's market. What more do you want?

And again we're at the end of the line with a goodly stack left over for next time. Don't let this keep you from sending your own questions in, though. They'll all find answers sooner or later. Remember the address is Kyle's Korner, S9 Magazine, 14 Vanderverter Avenue, Port Washington, L. I., N. Y. 11050. See you next month!



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ODDS 'N ENDS

by HERB FRIEDMAN, KB19457/W2ZLF



Note special packaging used in transistor radio kit designed expressly for beginners. Similar components are grouped together in the compartmented trays. Tray at left contains tools needed, except for long nose pliers and cutters, to assemble the radio. Special Kit Builder's Guide at top left shows how to assemble projects in four-color pictures.

If you're a typical CB'er you've probably been bit by the urge to move up in electronics—to learn something about what's going inside those "black boxes," how to build 'em, and how to fix 'em. And it's, therefore, more than likely you pay extra attention to those ads that tell you anyone can learn electronics by building the Frammis Mark V or the Gidget 7 kit (whatever they are). Well, let's set something straight. No one ever learned electronics—any part of the whole field—by building a kit.

Fact is, I feel sorry for the suckers who fall for the bit that with no previous knowledge they are going to assemble a 15 transistor Hi-Fi receiver, or a TV set. I have several acquaintances who make a good buck fixing-up the so-called "beginner's kits."

Then again, I also feel sorry for the guy who is convinced he'll learn electronics by building test equipment kits. Sheer nonsense, what is a beginner going to do with fancy test gear, other than keep the shelf from getting dusty?

If you want to get started in electronic construction you can't do it with complex kits; sure

there are exceptions to the rule, but most will wind up with inoperative gear or useless items. If you want to get started, get a kit *specifically intended* for the beginner, one with few components, wide open layout that can take sloppy soldering, and a specialized construction manual. As far as we're concerned there is only one kit that meets these requirements, Heathkit's Transistor Radio Model GR-151A.

And when you've finally finished the GR-151A instead of useless test gear you'll have a damn good transistor portable that can be used by you and the family.

The GR-151A is truly a beginner's kit, one that will teach you how to follow plans, how to solder, and if necessary, how to troubleshoot.

First big plus is that the kit comes with tools. You'll have to supply your own long nose pliers and side cutters, but the wire stripper, screwdriver, soldering iron, nut holder and alignment tool comes with the kit. The soldering iron is perfect for the printed circuit assembly—it's hot enough to make the connection but not so hot it will lift the printed foil (typical problem for beginners). It also has a small tip that reduces the possibility of spilling solder over two adjacent connections. There is also a separate "construction tip booklet" that in color shows how to dress leads and components, wrap terminals, and solder.

Component packaging is also geared for the beginner. Instead of stuffing the parts in paper bags the components are shipped in a multi-layer foam holder; when the holders are separated they form three trays with all components grouped in compartments.

There aren't many parts and all of them mount on a single printed circuit board—which also has been geared for the beginner. The board is over-size, so the printed wiring is not jammed together and even sloppy connections won't keep the project from working. The soldering points are so large you can re-do a connection several times (if you make an error) without damage to the board. The printed wiring is plated to insure a good solder connection without using excess heat.

The assembly manual is in keeping with the

S9 is the nation's largest circulating CB publication.



The assembled radio ready for installation in the supplied leather case. Note large battery which is good for about 300 hours, and oversize speaker which contributes to the notably good—and loud—sound quality.

“beginner’s orientation,” there are but a few steps on each page and separate illustrations are used whenever there’s a possibility of misunderstanding.

Our only complaint with the assembly end is that Heath doesn’t supply enough solder. They provide two coils, the kit needs three (buy your own). If you run out of solder don’t think you’ve done something wrong. Better to use too much on each connection than too little.

The alignment problem? It doesn’t exist. While Heath makes no claims to pre-aligned coils we found the IF transformers were nearly in perfect alignment. All alignment is done by “ear,” no test gear is needed. The radio will work as soon as it’s finished. You simply tune to a weak station and adjust the IF transformers for maximum volume. Then you adjust the oscillator coil and tuning trimmers so the local stations come in at the right dial marking.

Hard work? Absolutely not. The entire construction and alignment takes well under three hours. Four hours if you want to be extra careful and double-check every step. And you wind up, not with a piece of test gear you can’t use, but a transistor radio with very good sensitivity and excellent sound quality (for a portable). The speaker is a relatively large 4 x 6 inch so you get a nice balanced sound, not the tinny “squeek” of the usual transistor portable. Also, the GR-151A packs a lot of speaker volume, and this is one radio that won’t be drowned out by a truck passing 10 feet away.

What will you learn? You’ll learn how to wire properly; how to mount components, how to handle printed circuit soldering, how to perform simple alignment and if necessary, how to troubleshoot with a screwdriver. Unless you’ve made a real botch of things you’ll find the trouble using Heath’s *click test hints*. And while no one ever learned theory by building a kit, you’ll get something out of this project as Heath includes a short simplified course (three pages) on how transistors work. And best of all, you’ll make something you can use.

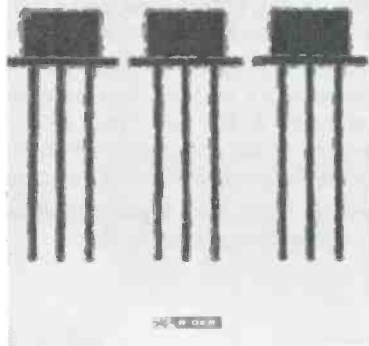
Since so many of you have expressed interest in electronic kits and projects geared to the beginner we’ll follow up next month with another project—again a useful one—specifically intended for the beginner. If you’re a photography bug you’ll find next month’s column has extra value. Keep those letters coming so we’ll know what you want to know about.



S9 DOES IT AGAIN!

103 simple transistor projects

Tom Kneitel



Yes, “Mr. S9,” Tom Kneitel, has created an exciting adventure through *103 Simple Transistor Projects*. His new book gives you circuits which are not only simple (2, 3, and 4 transistors) but fill every CB-shack need. Beginner and expert alike will actually enjoy building such things as: CB mike boosters, transmitters, transceivers, receivers, noise killers, channel locators, frequency standard, battery chargers/eliminators, modulation monitor, power inverter, amplifiers, and more . . . More . . . MORE!!! All necessary instructions (in Tom’s easy-to-understand style) and hints accompany each project, and Tom has put together an entire chapter on how to construct transistor projects to get the best results.

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Here are some brief highlights. Please request Ray-tel QIK-FACTS bulletins for information on specific items.

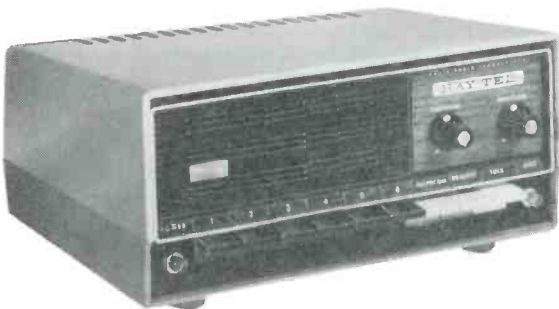


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Attractive, low silhouette design for desk top — kitchen shelf—den. Soft decorator colors and walnut veneer. Buitin 117V AC supply.

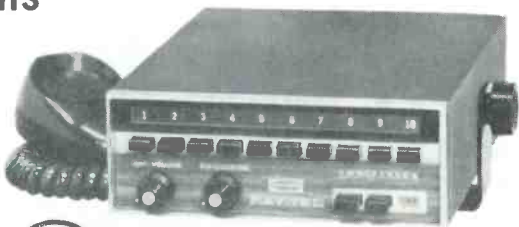
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3

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5

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2-watt
portable**



MW-3

MW-2

AM 100



MW-3
100 MILLIWATT, 3-CHAN.

6



MW-2
100 MILLIWATT, 2 CHAN.

7



AM 100
100 MILLIWATT w/BC

8

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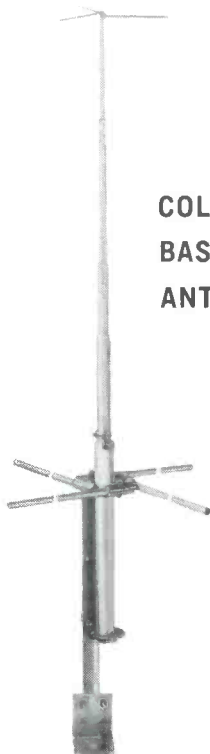
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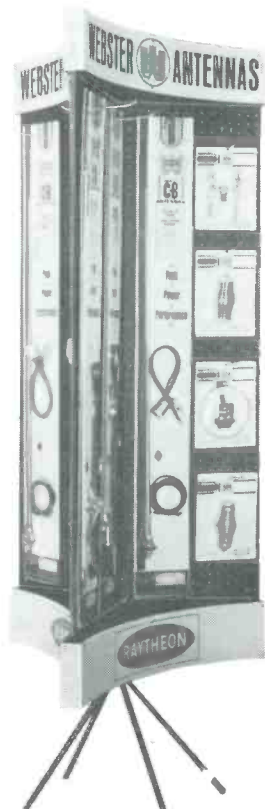
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THE S9 BFO

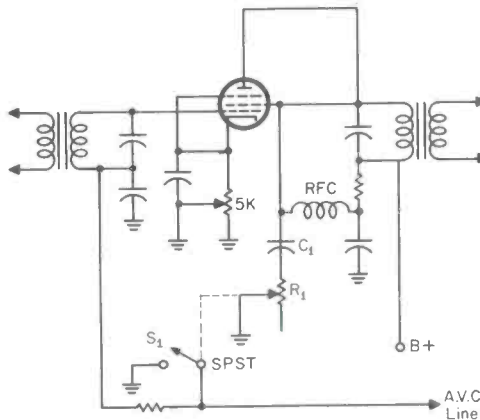
IT'S EASY TO GET ON PART 15 LEGAL HOBBY CW!

by ELWOOD C. THOMPSON, 19W5462

The usual method of adding a BFO (beat frequency oscillator) to receive Part 15 CW, or single sideband signals to the second detector of a receiver usually requires a lot of work and an additional tube. In most cases the rig will be so compact that the BFO must be constructed as an outboard unit.

One method of obtaining BFO action is to allow an IF stage to oscillate and beat with the IF signal. The capacity method was described in the January (1963) issue of S9 and is quite commendable in operation. Another method is to provide another winding on the IF transformer for feedback action. A simpler, proven circuit which provides a *dual function* is described below.

This circuit works by turning an IF amplifier stage into a regenerative amplifier, which adds "negative resistance" to the associated transformer. This not only increases the effective "Q," but also adds variable selectivity. This simple modification is shown in figure 1.



PARTS LIST

- C₁ .05 mfd.
- RFC 2.5 millihenry choke
- R₁ 250,000 ohm potentiometer
- S₁ Single-pole-single throw, toggle or control type

The screen grid lead of the 2nd IF amplifier is opened and a 2.5 millihenry choke is installed. The screen is thus part of the oscillating circuit. Regeneration is controlled by the 250,000 ohm control (R1) which effectively determines the amount of bypassing at the screen. The values are not critical and will work at any IF frequency. Normal CB operation is had by turning the regeneration control to zero resistance. At this point the IF stage acts exactly as it did prior to the modification. CW is received by turning the control to a point somewhat after a "plop" is heard. The stage is now in an oscillating state (regeneration). Grounding the AVC line is essential. The switch for this purpose may be mounted on the control itself or a SPST toggle switch may be mounted on the front panel. The control should be mounted near the IF amplifier tube, preferably on the rear deck of the chassis.

For greater selectivity on regular CB signals, the regeneration control can be operated somewhat below the point of oscillation. For very weak signals the control can be on the verge of oscillation and for CW the control is advanced to the region where the IF is oscillating. The IF gain control (in the cathode circuit of the IF amplifier) should be kept reduced to the point where the detector is not overloaded. As this control is lowered in resistance, the regeneration control can be moved up and the selectivity will be increased. A dual concentric control may be used here, if desired. Incidentally, using this method of BFO action/gain will enable us to receive single-side-band (SSB), if and when we get it. See you on Part 15 CW!



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Complete—1 pair of Crystals, Mike with retractable cord, brackets, 2 power cords & channel markers. **\$159⁹⁵**



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Please send me complete information on Model "H" CB Radio Dept: 483

Name _____
Address _____
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WASHINGTON OUTLOOK

PRESS TIME FLASH:
FCC RULE CHANGE: Part 95.35 has been amended to drop the requirement for a formal application and \$8 fee with each change of address of a CB operator. Only a letter of notification is now required, effective May 20th. All applications filed with money after this date will be processed and the fee will NOT be returned. This rule change follows closely S9's February editorial in which address change fees were discussed. At that time we implored the FCC to cancel these arbitrary charges.

During the month since our last report we learned of the following FCC actions.

- The following CBers were asked to show cause why their licenses should not be revoked (except as noted, all stations were in trouble because they failed to respond to official FCC communications)

KMP1570, William D. Frazier, Hialeah, Fla.
 KKM1716, Sarah A. Horne, Quitman, Ga.
 KLA0962, George E. Gaddy, S. San Francisco, Calif.

KEE2483, Jerry Dean Hawkins, Corpus Christi, Tex.

KMP0950, Joseph N. Lanno, Miami, Fla., off frequency, using the rig as a hobby, failing to identify all stations in communications with his by their assigned calls at the beginning and end of each communication, failing to observe 5-minute silent period between communications.

KKV7729, George T. Jackson, Ft. Worth, Tex.

KOI0223, Woodrow D. Cross, Baltimore, Md. (ex-KCG3914 and KCF0596), for using CB as a hobby, failing to identify station at beginning and conclusion of each exchange of communications, and by using an unauthorized frequency.

- These operators had their licenses revoked (except as noted, all stations for failing to respond to official communications):

KDD7729, Randall R. Taylor, Atlanta, Ga.

KEH4790, Bruce R. Rowan, Dallas, Tex.

KNM5983, William J. Cargill, Milan, Mich.

KMA3113, Gerald F. O'Neill, Providence, R. I.

KMM3104, Larry G. Moody, Huntsville, Ala.

KLA6881, James T. Grealis, Hayward, Calif.

KLA2126, Robert L. Valko, Oakland, Calif.

KCG2401, John Tegler, Baltimore, Md.

KDII685, Kenneth J. Hunter, Ft. Lauderdale, Fla.

KDH1733, Harold G. Maxwell, Opa Locka, Fla.

KKI2057, Donald R. Davis, Arlington, Va.

KLM6825, James M. Brown, Huntington, W. Va.

KLD2151, George W. McCrea, Ft. Lawton, Wash.

KFD1372, Eugene J. Whitfield, San Francisco, Calif., for using station as a hobby, failure to properly identify station, overtime talking, and failing to respond to official communications.

KKA8943, Grandville W. Davis, McKinley,

Me., for failing to properly identify station, using CB as a hobby, talking more than 5 minutes.

KEH6827, Joe B. Fleming, Dallas, Texas, for repeated violations of numerous rules including improper identification, using station as a hobby, talking with another station for more than 5 minutes.

- These operators received \$100 monetary forfeitures:

KFJ0655, Guy W. Phillips, Spokane, Wash., off frequency.

KKK3824, Donald W. Faison, Colonial Hts., Va., working skip.

KKK7458, Jimmy D. Toler, Petersburg, Va., working skip.

KMP1143, Edward H. Ballard, Lake Park, Fla., for using an unauthorized channel to work a station of another licensee.

- This CB'er was given a \$200 monetary forfeiture:

KMP1981, Sandra K. Kirk, W. Palm Beach, Fla., for sending false calls, and communicating with a station of another licensee on a frequency reserved for communications between units of the same licensee.

- This operator had a \$200 fine reduced to \$100:

KNM5584, Melvin R. Waldecker, Detroit, Mich.

- This operator had a \$200 fine reduced to \$50:

KMD1805, Walter I. Pauselius, Hasbrouck Hts., N. J.

- These stations had \$100 fines reduced to \$25:

KIG0184, Robert A. Paaluhi, Waianae, Hawaii.

KKN2742, Robert O. Walker, Mt. Juliet, Tenn.

KLK7149, Lindell F. Morris, Holland, Mich.

KFD5172, Harold R. Foote, Sunnyvale, Calif.

- In other FCC CB actions, the following was done to:

18Q0724, Lawrence B. Dube, Great Lakes, Ill. Set aside revocation and continued the proceedings. Information came to the FCC concerning the action and additional time to gather more facts was decided upon.

19Q1819, Howard L. Barkley, Marion, Ohio.

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CARD SWAPPERS UNLIMITED

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

- SACA 301 C. Simpson, KKD4804, Mira Loma, Calif.
302 Y. Ronger, XM53-1350, Sherbrooke, Canada
303 D. Rook, KMA0295, Windsor, Vt.
304 F. Hanno, KNP3238, Houtzdale, Pa.
305 C. Durland, KMP1465, Chuluota, Florida
306 R. Charon, KBC0533, Holyoke, Mass.
307 G. Abele, Jr., Sandusky, Ohio
308 R. Kiplinger, KPM0297, Charlotte, Mich.
- PX-25 594 D. King, KLN5313, Lexington, Ohio
595 F. Lompert, Pequonnock, N.J.
596 J. Beach, Drayton Plains, Michigan
597 T. Luchin, KKP3353, Miami Beach, Fla.
598 L. Geitgey, KMX3011, El Segundo, Calif.
599 J. Guernsey, KNJ0361, Salina, Kansas
600 C. Simpson, KKD4804, Mira Loma, Calif.
601 G. Abele, Jr., Sandusky, Ohio
602 W. Neumann, KNK3110, Gurnee, Ill.
603 W. Light, KMA2652, Norwalk, Conn.
- PX-50 511 D. King, KLN5315, Lexington, Ohio
512 T. Luchin, KKP3353, Miami Beach, Fla.
513 L. Geitgey, KMX3011, El Segundo, Calif.
514 C. Simpson, KKD4804, Mira Loma, Calif.
515 A. Cwalina, KLP8957, Shamokin, Pa.
516 W. Neumann, KNK3110, Gurnee, Ill.
517 L. Downey, KLN9916, New Miami, Ohio
518 W. Light, KMA2652, Norwalk, Conn.
- PX-75 402 T. Luchin, KKP3353, Miami Beach, Fla.
403 C. Simpson, KKD4804, Mira Loma, Calif.
404 W. Neumann, KNK3110, Gurnee, Ill.
405 W. Light, KMA2652, Norwalk, Conn.
- PX-100 364 J. Vitvitsky, KID4823, Lake Placid, N.Y.
365 R. Kiplinger, KMP0297, Charlotte, Mich.
366 S. Cash, Chattanooga, Tenn.
367 C. Simpson, KKD4804, Mira Loma, Calif.
368 E. Bassett, KLJ6061, Toledo, Illinois
369 W. Neumann, KNK3110, Gurnee, Ill.
370 W. Light, KMA2652, Norwalk, Conn.
- PX-125 270 H. Clark, KLP9660, Ellicottville, N.Y.
271 J. Vitvitsky, KID4823, Lake Placid, N.Y.
272 D. Getgood, KLN6367, Sanford, Mich.
273 L. Litchford, KMV4210, Okla. City, Okla.
274 C. Simpson, KKD4804, Mira Loma, Calif.
275 E. Bassett, KLJ6061, Toledo, Illinois
276 R. Kiplinger, KPM0297, Charlotte, Mich.
277 W. Neumann, KNK3110, Gurnee, Illinois
- PX-150 216 M. Suntava, KKA6048, Bristol, Conn.
217 H. Clark, KLP9660, Ellicottville, N.Y.
218 P. Barbera, KHD8077, Chicago, Illinois
219 D. Bellask, KMD0428, Brooklyn, N.Y.
220 I. Norman, KKA7064, Pawtucket, R. I.
- 221 C. Simpson, KKD4804, Mira Loma, Calif.
222 Y. Ronger, XM53-1350, Sherbrooke, Can.
223 D. Rook, KMA0295, Windsor, Vt.
224 F. Hanno, KNP3238, Houtzdale, Pa.
- PX-175 186 P. Cross, XM22377, Edmonton, Alta, Can.
187 F. Hanno, KNP3238, Houtzdale, Pa.
188 R. Haron, KMP0533, Holyoke, Mass.
189 J. Walker, KLN3541, Biloxi, Miss.
190 C. Durland, KMP1465, Chuluota, Fla.
- PX-200 163 P. Cross, XM22-377, Edmonton, Alta, Can.
164 R. Charon, KBC0533, Holyoke, Mass.
165 F. Walker, KLN3541, Biloxi, Miss.
- PX-225 136 D. Theisen, KNM0910, Norwalk, Ohio
- PX-300 113 R. Thatcher, KBG7687, Hudson, New York
114 G. Wiles, KKB4015, Williamstown, Mass.
- PX-750 101 B. Ross, KCG1087, Washington, D. C.
- PX-900 101 B. Scamell, KFC2921, Vallejo, Calif.
- MSA 222 M. Suntava, KKA6048, Bristol, Conn.
223 B. Scamell, KFC2921, Vallejo, Calif.
224 F. Houtzdale, KNP3238, Houtzdale, Pa.
- SSC-1 234 C. Simpson, KKD4804, Mira Loma, Calif.
235 W. Snyder, KNJ8343, Belleville, Ill.
236 C. Durland, KMP1465, Chuluota, Fla.
- SSC-2 176 W. McKeever, KDC1358, Lakeside, Ohio
177 Y. Ronger, XM53-1350, Sherbrooke, Que., Can.
178 R. Charon, KBC0533, Holyoke, Mass.
- SSC-3 144 H. Maturen, KNM2171, Saginaw, Mich.
- SSC-4 132 H. Maturen, KNM2171, Saginaw, Mich.
- SSC-5 122 B. Scamell, KFC2921, Vallejo, Calif.
- SSC-6 114 B. Scamell, KFC2921, Vallejo, Calif.
115 D. Theisen, KNM0910, Norwalk, Conn.
- SSC-7 115 B. Scamell, KFC2921, Vallejo, Calif.
- SSC-8 114 B. Scamell, KFC2921, Vallejo, Calif.
- SSC-9 110 G. Wiles, KKB4015, Williamstown, Mass.
111 B. Scamell, KFC2921, Vallejo, Calif.
- SSC-10 110 G. Wiles, KKB4015, Williamstown, Mass.
111 B. Scamell, KFC2921, Vallejo, Calif.
- SSC-11 109 G. Wiles, KKB4015, Williamstown, Mass.
- SSC-30 101 B. Ross, KCG1087, Washington, D.C.
- SSC-31 101 B. Ross, KCG1087, Washington, D.C.
- SSC-32 101 B. Ross, KCG1087, Washington, D.C.

If you would like to be listed as a QSL card swapper in our monthly listing, you must do the following: send us a separate card for each month you would like to be listed (you may send several month's worth of cards at the same time), and enclose 10¢ in cash (no stamps,

checks, or money orders) for each month you are to be listed. Try not to write on your cards and don't Scotch Tape your dime to the card. Address the material to: Card Swappers Unlimited, 14 Vanderver Avenue, Port Washington, N. Y. 11050. Deadline for listing in the August issue is June 12th. Any cards received after this date will be listed in the following issue.

Here are this month's swappers:

- 1W6216 Errol Engraving, 36 Hampden St., Westfield, Mass.
 2Q0152 Karl Weiss, 245 Ashmore Ave., Trenton, N.J.
 2Q1147 George Delaney, 308-47th St., Union City, N.J.
 2Q5468 Walt Alexander, 1233 Woodruff Ave., Hillside, N.J.
 4B5372 Jim Cross, 755 South Potomac St., Hagerstown, Md.
 3Q2103 Dorothy Teague, Box 99, Wrightstown, N.J.
 5Q2178 Elwyn Beam, Vale, North Carolina
 6Q0054 Glenn Poore, P.O. Box 6101, Chattanooga, Tenn.
 6Q0946 Dave Jones, P.O. Box 1335, Maryville, Tenn.
 11Q1313 George Strainline, 1171 W. Miracle Mile, Tucson, Ariz.
 17Q3785 George Lewis, Route 2, Salina, Kansas
 18B2648 Glenn Davis, 6143 N. Rockwell St., Chicago, Ill.
 19A8145 Gene Hecht, 26 Sheridan, Pontiac, Michigan
 19Q9470 Adrian Fallert, 121 N. "C" St., Hamilton, Ohio
 19QA0442 Art DeFrain, 226-3rd St., Harbor Beach, Mich.
 20Q1360 Ivan Smith, 419 Water St., Danville, Pa.
 KAA4564 George Thayer, A303 Iroquois Dr., Salamancan, N.Y.
 KAJ0765 J.L. Kirkland, Route 7, Raleigh, N.C.
 KBA5557 Ted Cummings, Bellflower Rd., Billerica, Mass.
 KBA8387 John Hornyak, 1192 Norman St., Bridgeport, Conn.
 KBA8595 Lee Aspinall, 20 Forest Ave., North Haven, Conn.
 KBA8941 Maurice Collamore, Round Pond, Maine
 KBA9919 Al Trask, RFD - 2, Gilford, N.H.
 KBB0471 Fran Smithwick, Box #62 - Rt. 1, Ellington, Conn.
 KBC0264 Everett Decker, Box 411, Westfield, Mass.
 KBC6229 Paul Conant, 139 North Main St., Florence, Mass.
 KBC6510 Ralph Bryant, 716 Riverside Dr., Fairfield, Conn.
 KBC7679 Robert Hughenin, U. of Pitts. Dorm., Titusville, Penna.
 KBC8093 Dennis Cidale, 17 Water St., Stonington, Conn.
 KBC9285 John Christofaro, 7 New Lane Rd., New Canaan, Conn.
 KBD1849 Paul Sanders, 5 Victor Rd., Framingham, Mass.
 KBD1905 Michael Ammirata, 23 Washington Ave., Danbury, Conn.
 KBG6576 Charles Arnwine, 725 South Broad St., Trenton, N.J.
 KBG7387 Gerry Schechter, 3535 Kings College Pl., Bronx, N.Y.
 KBG7687 Robert Thatcher, R. R. 1 - Box 59-2, Hudson, N.Y.
 KBG8079 Alvin Allen, 610 Prospect Ave., Spring Lake Hts., N.J.
 KB10854 George Raybin, 1367 Sheridan Ave., Bronx, N.Y.
 KB12251 Mona French, 19 Essex Lane, Old Bridge, N.J.
 KB14141 Danny Seifert, 163 So. Main St., Phillipsburg, N.J.
 KB16025 Max Latterman, Box 608, R.D. #1, Princeton, N.J.
 KB16373 Charles Bennett, 89 Valley Rd., Haworth, N.J.
 KB16480 Art Scheid, 2 Essex Place, Hartsdale, N.Y.
 KB18077 John Krcjic, 60 Division Ave., Garfield, N.J.
 KB18510 Robert Gannon, 322 First St., Newburgh, N.Y.
 KB19265 John Sullivan, 20 - 47 32 St., Astoria, N.Y.
 KBJ0753 Richie DuBois, Box 135, R.D. 2, Wallkill, N.Y.
 KCC2969 Robert Stouch, Box 120, R.D. 1, E. Stroudsburg, Pa.
 KCD1896 Howard Taylor, South DuPont Rd., Penns Grove, N.J.
 KCD4212 Rick Firmani, 110 Olga Rd., Elsmere, Wilm., Del.
 KCD5165 John Shronk, Box M, Mont Clare, Pa.
 KCD6125 Neil O'Connell, 22 Cassatt Ave., Berwyn, Penna.
 KCF0011 Ed Kacicek, 134 Polk Dr., Manassas Park, Va.
 KCF2446 Robert Crigger, 411 S. Mount St., Baltimore, Md.
 KCG0346 Bailey Curtis, 1028 Harrison Ave., Elkins, W. Va.
 KCG1087 Barney Ross, 425 Garden St., Washington, D.C.
 KCG2216 Doris Cross, 755 South Potomac St., Hagerstown, Md.
 KCG2891 Edith Becker, 5606 Franconia Rd., Alexandria, Va.
 KCG3068 Ricky Lowman, 1001 W. Addition St., Martinsburg, W. Va.
 KCG3236 Bob Gallery, 5013 Westport Rd., Chevy Chase, Md.
 KCG3575 Jim Lott, White Post, Va.
 KCG3642 Elwood Luttrell, Route 2, Box 218A, Winchester, Va.
 KCG3689 E. Ross, 1967th COMM. SQDN., APO San Francisco, Calif.
 KCG4106 Dave Royer, Route 1 - Box 133, Finksburg, Md.
 KCI2842 Clarence Moore, Rt. 4 - Box 34, Thomasville, N.C.
 KCJ1216 James Gough, Route 1 - Box 4, Crozet, Va.
 KCJ3333 Bill Sprinkle, 414 Bonhill Drive N.W., Roanoke, Va.
 KCJ3880 Lee Willick, 3709 Hester Circle, Raleigh, N.C.
 KCJ5002 J.L. Kirkland, Route 7, Raleigh, N.C.
 KCJ5092 Doug Paynter, 1001 East Jefferson St., Charlottesville, Va.
 KCJ8516 The Morrissons, 826 Longview Dr., Woodbridge, Va.
 KCJ9615 James Surratt, Rt. 2, Denton, N.C.
- KDA0334 Truman Jones, Route 8 - Box 218, Roanoke, Va.
 KDB0371 Bill Howell, 545 Palmetto Lane, Swan, S.C.
 KDB9372 Claude Hooper, RFD 3, Box 130 Sylva, N.C.
 KDC0843 Raymond Sheely, Box 95, Petersburg, Ohio
 KDC1358 W.L. McKeever, 435 Lynn Ave., Lakeside, Ohio
 KDC1716 John Croke, 21 Elmwood Court, Alexandria, Ky.
 KDC2091 Charlie Kreuger, Route 2, Marion, Ohio
 KDD9708 Stuart Cash, 1109 Mississippi Ave., Chattanooga, Tenn.
 KDE4606 Hiram Jackson, Route 1 - Box 80D, Bloomingdale, Ga.
 KDI3558 Tom Smith, P.O. Box 147, Orlando, Florida
 KEB1661 Bob Faucher, Darling, Miss.
 KEB3600 Bill Hubbs, 7824 West 36th St., Little Rock, Ark.
 KEE2743 Harry Hofpowler, 724 Coolidge Rd., Channelview, Tex.
 KEH6381 Paul Burkett, 4209 N.W. 31st, Okla. City, Okla.
 KEH6538 Smokey Christopher, 817 N. Denny, Howe, Texas
 KEJ1341 E.H. Rogers, 24950 E. 6th St., San Bernardino, Calif.
 KEJ1361 Jeff Collier, P.O. Box 3044, North Hollywood, Calif.
 KFA1592 Elliot Ness, P.O. Box 903, Arleta, Calif.
 KFA3643 Jerry Morse, P.O. Box 854, Glendale, Ariz.
 KFD1525 Chuck Watrous, 421 W. 12th St., Tracy, Calif.
 KFD4351 Steve Kruft, 1755 - 29th Ave., San Francisco, Calif.
 KFD5811 Larry Kluender, P.O. Box 183, Oroville, Calif.
 KFI1219 Jack Sudduth, 8103 16th S.W., Seattle, Wash.
 KFJ0479 Agnes Sudduth, 8103 16th S.W., Seattle, Wash.
 KGC1864 Bob Becker, 2892 W. 55th Ave., Denver, Colo.
 KGE0071 Jack Wera, 216 Olmstead, Winona, Minnesota
 KGI3589 Clarence Fleagle, Route 1, Abilene, Kansas
 KG16100 Robert Schmink, 357 No. Waco, Wichita, Kansas
 KG16245 The QSL Swapper, 5439 Dober Lane, St. Louis, Mo.
 KGI7912 Donn Stoneburg, P.O. Box 11221, Omaha, Nebraska
 KHA5150 Virg Mansfield, 600 West 7th, Muncie, Ind.
 KHA6353 Alton Lantaff, 567 Adams Ave., Madisonville, Ky.
 KHA8376 Gordon Velpel, 801 S. Franklin St., Garrett, Ind.
 KHB1210 Larry Rost, R.R. 2, Muscatine, Iowa
 KHB2113 Risley Farms, Rural Route 4, Highway 15 W, Mt. Carmel, Ill.
 KHB3556 John Ernstberger, 3516 S. Hermitage Ave., Chicago, Ill.
 KHC4185 Lou Chappell, 3644 E. Minnie St., Decatur, Ill.
 KHC4453 Dick Stout, Maple Spring Farm, Chatham, Ill.
 KHC5348 Barry Feilberg, 1801 Summit Ave., Racine, Wisc.
 KHC6483 Jack Wolsieffer, 5 Park Ave., Lafayette, Ind.
 KHC8489 Fred Priest, Box 125, Clarks Hill, Indiana
 KHC8816 Gene Butler, R.R. 1, West Lebanon, Ind.
 KHD5299 Buster Rogers, 1602 Athens St., Crawfordsville, Ind.
 KHD6834 B.J. Hubbert, 4603 Stanley Ave., Downers Grove, Ill.
 KHD8971 John Nortridge, Box 9, Cedarville, Ill.
 KHE1030 John Rusnak, 5730 S. Meade Ave., Chicago, Ill.
 KHG3085 Edwin Chisholm, 1825 Avon St., Saginaw, Mich.
 KHG4945 C.M. Cooley, 1006 Hooven Ave., Hamilton, Ohio
 KHG9031 David Vey, 1014 S. Campbell Rd., Royal Oak, Mich.
 KHG9085 Alfred Hogan, 1108 Walker St., Mansfield, Ohio
 KHH1363 Gene Radenheimer, 3121 Andrew St., Middletown, Ohio
 KHH2658 Doc Earley, West Union, West Virginia
 KH10886 Frank Keersmaekers, 22715 Maxine, St. Clair Shores, Mich.
 KH15457 Gene Barker, 343 N. 27th St., Battle Creek, Mich.
 KH15522 Jim Foley, Port Sanilac, Mich.
 KH19979 Gene Taylor, 121 N. Adolph Ave., Akron, Ohio
 KHJ2246 Gus Cottis, R. 2, Bantam Ridge, Wintersville, Ohio
 KHJ3477 Donald Belitz, 13474 Enid Blvd., Lake Fenton, Mich.
 KHJ5383 Alan Eckert, Route One, Defiance, Ohio
 KHJ5862 Peachy Cole, 1025 Muskingum Ave., Zanesville, Ohio
 KHJ7131 Ken Massie, 115 Woodlawn Dr., Ironton, Ohio
 KHJ7892 Boots Beaudry, Box 252, Trenton, Mich.
 KHJ7895 Bob Best, 12067 Greenlawn, Detroit, Michigan
 KHJ7920 Maury Lackey, Rt. 1 - Box 230, Berea, Ky.
 KHJ8238 Carl Krueger, 2711 Liggett Dr., Parma, Ohio
 KHJ8472 Scrubboard, 1164 Lindsay Ave., Akron, Ohio
 KHJ9482 Francis Garrett, 1226 Moxahala Ave., Zanesville, Ohio
 KHJ9508 Jim Fosnough, HHC3d BDE, APO, N.Y. 09162
 KLA0468 Clarence Kernstock, 1820 Filmore Pl., Essexville, Mich.
 KIC3500 Ruthie Bopp, 350 W. Fifth St., Lewistown, Penna.
 KIC3501 Phil Roton, 16 Garfield Ave., Batavia, N.Y.
 KID0007 Fred Matz, Davis-Lane Speedway, Hustontown, Pa.
 KID0186 Mike Reshetar, 102 1/2 Walnut St., Binghamton, N.Y.
 KID0313 Stan Jesionowski, 31 Summer St., Fredonia, N.Y.
 KID3449 Nicholas Shyshuk, P.O. Box 744, Scranton, Penna.
 KID5293 George Gould, P.O. Box 42, Hudson Falls, N.Y.
 KID5389 James Gross, 1410 Burley Ave., Tyrone, Pa.
 KID5802 R.V. Pollard, 109 Pennsylvania Ave., Johnstown, N.Y.
 KID6356 Roscoe Harrington, 5 Schuyler St., Hudson Falls, N.Y.
 KID6418 Jim Schall, 322 1/2 Main St., Leechburg, Pa.
 KID7260 Stan Breitkopf, 271 Stanton Lane, Rochester, N.Y.
 KID8232 Roy McGregor, R.D. 2, Central Square, N.Y.
 KID8628 Dean Buffington, Craryville R.F.D., N.Y.

KID9081 Dody Townsend, Box 18, Solsville, N.Y.
 KID9968 Edwin Kamerer, Box 500, Sellingsgrove, Penna.
 KIE0628 Al Guley, R.D. 3 - Box 392, Coraopolis, Pa.
 KJB0278 Jack Rogers, Box 2017, Kodiak, Alaska
 KJC0223 J.C. McCalla, 273-G Dyea Ave., Ft. Richardson, Alaska
 KJH0032 Jerre Caricofe, 2301 Norfolk St., Hopewell, Va.
 KJH0080 Robert Grubbs, Route 3, Winston-Salem, N.C.
 KJI1072 Len Siedinski, 18 Ames Ave., Tonawanda, N.Y.
 KJJ2293 The Silver Eagle, 339 Harter St., Herkimer, N.Y.
 KKA0488 Cyril Wilson, 6 Collins Terrace, Lynn, Mass.
 KKA0880 Don Benoit, Lambs Grove, Spencer, Mass.
 KKA3340 Hook Annle, 11 Forthill Rd., Poquonnock Bridge, Conn.
 KKA4210 Dict Clogston, Starks, Maine
 KKA5174 George Brown, 101 Truman St., New London, Conn.
 KKA5305 Chase's Engraving, 175 Kitemaug Rd., Uncansville, Conn.
 KKA5683 Bob Holmes, King Road, Monson, Mass.
 KKA6048 Mike Sautava, 198 Mercier Ave., Bristol, Conn.
 KKA6894 David Goodwin, 68 South Broadway, Lawrence, Mass.
 KKA7064 Irving Norman, 9 Greenfield St., Pawtucket, R.I. 02861
 KKA7402 Big John, Box 368, Weir Beach, N.H.
 KKA7847 John Vermette, 288 Elm St., Holyoke, Mass.
 KKA8101 John Moriarty, 86 Beacon St., Florence, Mass.
 KKA8169 Charlton Swasey, Box 76, Newton Jct., N.H.
 KKA8428 Linda Fritzsche, 12 James St., North Haven, Conn.
 KKA8441 Leonard Prue, 11 Forthill Rd., Poquonnock Bridge, Conn.
 KKA8891 Ralph Loving, 254 Prospect St., Northampton, Mass.
 KKA9926 Brian Benkosky, 343 Washington St., Keene, N.H.
 KKA9940 Bob Vogel, 371 Columbia Rd., Dorchester, Mass.
 KKB0087 James Lacey, 46 Oread St., Worcester, Mass.
 KKB1198 The Shafer's, Cherry St., Windsor, Vt.
 KKB1587 Al Lapointe, 60 Prospect St., New Britain, Conn.
 KKB1757 Tommy Miller, 109 Fallon Drive, Hamden, Conn.
 KKB1820 Al Graybill, 28 Holton St., Danvers, Mass.
 KKB2326 Bob Campbell, 5 E. Collins St., Salem, Mass.
 KKB3161 Jim Darrall, 47 Howard St., Lynn, Mass.
 KKB3548 John Monaco, 118 Ledgestone Ave., New Britain, Conn.
 KKB3865 Ed Porter, 446 West St., Rutland, Vt.
 KKB4031 Alan McCathron, 50 Crown St., Bridgeport, Conn.
 KKD0349 Jack Golden, 5025 Broadway, New York, N.Y.
 KKD0491 Mike Kaplan, 37 Fairview Terrace, Maplewood, N.J.
 KKD0701 Dave Berbert, P.O. Box 372, Levittown, N.Y.
 KKD2292 Henry Meyer, 50 Knickerbocker Rd., Plainview, N.Y.
 KKD3924 Carlo Senatore, 396 Chestnut St., Newark, N.J.
 KKD4144 Clair Sigafoos, R.D. 2 - Box 259, Milford, N.J.
 KKD5471 Clifton McGuire, 814 Southard St., Trenton, N.J.
 KKD5534 Ken Weinstein, 3459 Eastchester Rd., New York, N.Y.
 KKD8383 Bob Peterson, 61 Crosshill Ave., Yonkers, N.Y.
 KKD9414 The Fonda's, 30 Second Ave., Rensselaer, N.Y.
 KKD9510 Ray Dame, 38 Vliet St., Cohoes, N.Y.
 KKE0366 Al Martinez, 15 Lindy Pl., Old Tappan, N.J.
 KKE0542 John Hendrick, Box 74 - Stony Hollow Rd., Greenlawn, N.Y.
 KKG3074 Harold Peier, 617 Halliard Ave., Beachwood, N.J.
 KKG3229 Don Schmitt, Box 14, Gettysburg, Penna.
 KKG4032 Sophia Mitch, 309 South St.Cloud St., Allentown, Penna.
 KKO4482 Dave Petrucci, 316 W. Van Buren Ave., New Castle, Del.
 KKG6020 Terry Sheppard, 2023 W. Main St., Millville, N.J.
 KKG6183 Tim Heiniman, 331 North Church St., Robesonia, Pa.
 KKI0042 Edward Salevan, 816 New St., Milford, Del.
 KKI2915 George Bowen, 831 W. Matthews Ave., Baltimore, Md.
 KKI3745 Don Petri, 2712 White Ave., Balto., Md.
 KKI3946 Don Sherman, R.D. 1 - Box 82, Bel Air, Md.
 KKI4574 William Hafnes, P.O. Box 333, Riverview, Md.
 KKI0172 James Cole, P.O. Box 775, Hamlet, N.C.
 KKK0453 Box Maxey, Route 2, Cumberland, Va.
 KKK0471 J.L. Kirkland, Route 7, Raleigh, N.C.
 KKK1145 Jim Brizendine, 2016 Wayne St.N.E., Roanoke, Va.
 KKK4410 Smylie Grantham, P.O. Box 364, Raeford, N.C.
 KKK4512 Jake Sprouse, Rt. 6 - Box 279, Charlottesville, Va.
 KKK5253 James Blythe, Box 354, Conway, N.C.
 KKK6850 Byron Pepitone, P.O. Box 3096, Chula Vista, Calif.
 KKM7376 Donald Wilson, 1529 Bush Blvd., Birmingham, Ala.
 KKM8296 Archie Hudgins, Rt. 2 Ward Mtn.Rd., Shannon, Ga.
 KKM9441 Floyd Pool, 2007 McBrien Rd., Chattanooga, Tenn.
 KKM9702 James Wolfe, 1707 Merrycrest Dr., Memphis, Tenn.
 KKN0808 Tom Moore, P.O. Box 908, Del Rio, Texas
 KKN2985 Charles Martin, R.F.D. 6, Harrison Pike, Cleveland, Tenn.
 KKN3002 Robert Miller, 1430 N. Houston, Athens, Ala.
 KKP1645 Henry McLeod, P.O. Box 126, Perry, Fla.
 KKP4175 Jack Thompson, 3710 Kinsman Ave., Ocala, Fla.
 KKP4196 Mike Royal, P.O. Box 794, Auburndale, Fla.
 KKP4260 Clark Dickinson, Rt. 2 - Box 50, Perry, Fla.
 KKP5254 John Saunders, 2202 E. 109th Ave., Tampa, Fla.
 KKR5223 Charles Keathley, 3005 Loma Drive, Little Rock, Ark.
 KKT3900 Leonard Ferguson, 4217 Nagle, Bryan, Texas
 KKV7967 Tom Richey, 817 Hillside Drive, Sherman, Texas
 KKW0311 Ed Bastian, 8108 Lemona Ave., Van Nuys, Calif.
 KKW1831 Joe Stechnij, 555 W. Mahoney Ave., Mesa, Ariz.
 KKW2834 George Strainline, 1171 W. Miracle Mile, Tucson, Ariz.
 KKW5201 Dale Fletcher, 54728 El Prado Trail, Yucca Valley, Calif.
 KKW7505 Pete Gabel, 4240 Palmero Dr., Los Angeles, Calif.
 KLA2524 John Brown, P.O. Box 502, San Pablo, Calif.
 KLA4894 Robert Hash, 720 W. Acequia, Visalia, Calif.
 KLA5187 Ken Anderson, P.O. Box 1008, Los Gatos, Calif.
 KLA5788 T&E Saunders, 782 Hutchings Dr., San Leandro, Calif.
 KLA7292 Wayne Metzger, 4068 N. 3rd, Fresno, Calif.
 KLA7428 Jack Evans, P.O. Box 108, Ivanhoe, Calif.
 KLD2362 Richard Spengler, Rt. 1 - Box 48, Grangeville, Idaho
 KLE2216 Roy Blodgett, South Route Box 20, Kimball, Nebr.
 KLE1482 Doyle Pruitt, 800 20th, Eunice, New Mexico
 KLF2980 Steve Butler, 822 North Glendale Ave., Tomah, Va.
 KLH2249 Harry Moberly 1323 So. Vine, Wichita, Kansas
 KLH8375 Michael Anthes, 7804 Bloom Dr., Hanley Hills, St. Louis, Mo.
 KLH9692 Clarence Schweitzer, Box 214, Garwin, Iowa
 KLI1242 Joe Wehr, R.R. 3, Harlan, Iowa
 KLI1365 Glenn Earney, 928 Olympia Dr., Ferguson, Mo.
 KLI1466 Charles Grandstaff, 6563 Julian, St. Louis, Mo.
 KLJ0280 Al Warshaw, 1905 E. 8th St., Chicago, Ill.
 KLJ3281 Gerald Maner, 2207 West 9th St., Muncie, Ind.
 KLJ3945 William Turner, 1728 Ford Ave., Owensboro, Ky.
 KLJ4024 Loren Snyder, 542 9th Ave. South, Clinton, Iowa
 KLK6057 Myrtle Hittle, 1601 So. 4th St., Richmond, Ind.
 KLJ9320 Vance Heynen, 1411 Lake St., Pekin, Ill.
 KLK1015 George Thompson, 13112 Windward Trail, Orland Park, Ill.
 KLK1623 Ada Gordon, 419 W. Grand Ave., Decatur, Ill.
 KLK1673 Merle Martinson, 5303 Flamingo Rd., Monona, Wisc.
 KLK1975 W.H. Willett, Lewisport, Kentucky
 KLK2079 Russell Smith, 107 So. State St., Louisville, Ky.
 KLK2458 Lincoln Idle, 7842 So. McVicker, Oak Lawn, Ill.
 KLK4317 Pat Cavanaugh, 3620 West Southland Dr., Franklin, Wisc.
 KLK4590 Pa. Spann, West Lebanon, Indiana
 KLK5488 Lorraine Regene, 2315 So. 5th St., Rockford, Ill.
 KLK5617 Chuck Sylvester, 1629 East 86th Place, Chicago, Ill.
 KLK5810 Irving Felzer, 2131 So. 15th Pl., Milwaukee, Wis.
 KLK5969 Lois Jacobson, 9115 Baldwin Dr., Rockford, Ill.
 KLK6413 Frank Reynolds, P.O. Box 358, Morrocco, Ind.
 KLK6799 Gordon Rogers, 5811 19 Ave., Kenosha, Wis.
 KLK7059 Chuck Sinclair, 725 S. Broadway, Havana, Ill.
 KLK8149 Marvin Simpson, 305 Gilbert St., Macatine, Iowa
 KLK8194 Glenn Hoelscher, 706 Cherry, Carthage, Ill.
 KLL0297 Bob Hubsch, 179 Westwood Dr., Park Forest, Ill.
 KLL0800 Gil Davis, 2405 Sunset Blvd., Anderson, Ind.
 KLL1090 Reid Kenley, P.O. Box 427, Maywood, Ill.
 KLM1316 P. Ingham, USS Springfield CLG7 E.Div., FPO, N.Y., N.Y.
 KLM1447 Lee Collins, 4814 Sundale, Drayton Plains, Mich.
 KLM3314 Paul Monhart, 2170 W. 63 St., Cleve., Ohio
 KLM3949 John Nemeth, Route 2, South Point, Ohio
 KLM4842 Bessie Hazen, 231 North Mead St., Zanesville, Ohio
 KLM5832 Noel Allen, P.O. Box 54, Roseville, Ohio
 KLN2229 Jerry Bradley, 1881 Whitefeather Rd., Pinconning, Mich.
 KLN2522 Anthony Gover, Bronston, Kentucky
 KLN2610 Joe Tylka, 1410 Maple St., West Bellaire, Ohio
 KLN3125 John Dautherty, 129 Elmore St., Zanesville, Ohio
 KLN3263 Henry Smith, 11944 Algonquin, Pinckney, Mich.
 KLN5264 V.A. Norling, 25 Indian Trail, Poland, Ohio
 KLN6051 Ray Buell, 3313 Trade Winds Ave., Dayton, Ohio
 KLN6367 Tom Getgood, 426 Mitchell St., Sanford, Mich.
 KLN7229 Bernard Webers, 820 Silver Lake Rd., Fenton, Mich.
 KLN7344 John Arnold, 8 E. Main St., Trenton, Ohio
 KLN7841 Grace Beaudry, Rt. 1, Rose City, Mich.
 KLN8233 Don Gordon, 1854 Warwick, Lincoln Park, Mich.
 KLN8474 Jerry Teynor, 310 E. Irving St., Bucyrus, Ohio
 KLN9155 Evans Johnson, 115 McKee, Manistee, Mich.
 KLN9710 Ray Keller, 852 N. Rosedale Ave., Lima, Ohio
 KLN9891 Marvin Schuler, 3940 South Dixie Hwy., Lima, Ohio
 KLO0519 Don Jones, R.R. 2, Lawrenceburg, Ky.
 KLO0828 Tim Richards, 6730 New Carlisle Pike, Springfield, Ohio
 KLO2146 Harold Hicks, 211 East Main St., Trotwood, Ohio
 KLP0319 Pete Hons, 614 Main St., Portage, Pa.
 KLP2753 Horace Morath, 2380 Woodard Rd., Elma, N.Y.
 KLP3284 James Phillips, 599 West 8th St., West Wyoming, Pa.
 KLP3765 Ken Clemens, Box 71, Yorkville, New York
 KLP5005 Bud Powkes, 1031 5th Ave., Duncansville, Pa.
 KLP6626 Wallace Nolen, 12 Chase St., White Plains, N.Y.
 KLP7105 Leon Thomas, 615 Old Falls Blvd., No. Tonawanda, N.Y.
 KLP7516 Guy Widmeyer, Box 99-A, Hopwood, Penna.
 KLP7578 David Moss, P.O. Box 61, Endicott, N.Y.

KLP7641 Vern Gould, 1216 Dorothy St., Binghamton, N.Y.
 KLP7749 Ray Brooder, 416 9th St., Monessen, Pa.
 KLP7879 Clarence Peet, Box 73, Port Crane, N.Y.
 KLP8083 Howard Davidson, 26 Knight St., Glens Falls, N.Y.
 KLP8791 Jim Smith, R.D. 3, Fort Plain, N.Y.
 KLP9151 Bob Lance, 10 Fredella Ave., Glens Falls, N.Y.
 KLP9557 George Booth, 971 Sweeney St., No. Tonawanda, N.Y.
 KLP9709 Dick Tipton, 1252 Hilton Parma Rd., Hilton, N.Y.
 KLP9789 Ed Kindervater, Box 404, Hopwood, Penna.
 KLQ0421 Don Bean, Box 130, Knoxboro, N.Y.
 KLQ0423 Roy Clinch, 3558 Gifford Rd., Vernon Center, N.Y.
 KLQ0457 Charles Goughnour, 207 Coldren St., Johnstown, Pa.
 KLQ0660 Jerry Monroe, RD 1, Coy Road, Greenfield Center, N.Y.
 KLQ0964 Pete Guy, Box 55, Middle Grove, New York
 KLQ1560 Jud Kurlancheck, 242 East Dorrance St., Kingston, Pa.
 KLQ1563 Shorty Miller, 137 East Budd St., Sharon, Pa.
 KLQ1594 Larry Mott, 521 Mosley Dr., Syracuse, N.Y.
 KLQ2217 Don Anderson, 528 Ridge Ave., Cannonsburg, Pa.
 KLQ2433 Robert Wydra, 472 Pringle St., Pringle, Pa.
 KLU0347 Charles Lowrey, Box 3878-P, Star Rte. B, Anchorage, Alaska
 KMA0060 Norman Harold, 27 Blantyre Rd., Malden, Mass.
 KMA0434 Paul Malachowski, 6 Shady Lane, Wilbraham, Mass.
 KMA0449 Faith Jenner, 96 Proctor St., Waterbury, Conn.
 KMA0517 Earl Holbrook, 29 Maynard St., Attleboro, Mass.
 KMA0743 Jim Bezanon, Harris Point Rd., Eastport, Moose Island, Me.
 KMA0858 Dick Schreiber, P.O. Box 147, Barrington, R.I.
 KMA0861 Regis Drakopoulos, 27 Douglas St., Haverhill, Mass.
 KMA0885 Dave Barney, Box 73, Center Rutland, Vt.
 KMA1779 Les Olson, 68 Symonds Ave., Collinsville, Conn.
 KMA2668 Steve Shear, 177 Cherry St., Malden, Mass.
 KMA2766 Chuck Saverse, High Manor Park, Rockville, Conn.
 KMA3375 Mark Connors, 31 New Winchendon Rd., Baldwinville, Mass.
 KMA3375 M. Connors, 31 New Winchendon Rd., Baldwinville, Mass.
 KMA3491 Chris Marinelli, 45 Milton St., New Britain, Conn.
 KMA3521 John Franzen, 102 Mount View Dr., Holden, Mass.
 KMA3914 C. Thumples, 156 Boston Post Rd., Waterford, Conn.
 KMA4245 Henry Tadrzenski, 143 Newell Ave., Bristol, Conn.
 KMA4356 Fred Smackler, 6 Grant St., Beverly, Mass.
 KMA4497 Paul Polonsky, 19 Mill St., Beverly, Mass.
 KMA4715 Charles Lynn, Robbin Hill, Solon, Maine
 KMA4850 David Glenn, 370 Warner Hill Rd., Southport, Conn.
 KMA5273 James Stuart, 45 South Main St., Baldwinville, Mass.
 KMA5715 George Goodell, Enfield, N.H.
 KMA5788 Gary Supsinakas, 331 Stanley St., New Britain, Conn.
 KMA5863 Dave Hakes, 11 West St., Adams, Mass.
 KMA5991 Ron Rumary, 102 East St., Plainville, Conn.
 KMA6391 Joseph White, 56 Warren St., Everett, Mass.
 KMA6504 Don Lemoine, 118 Miller St., Springfield, Mass.
 KMA6706 Larry Searies, 97 Crescent St., Rutland, Vt.
 KMA7224 Greg Hanson, 4 Cannon Rd., South Portland, Maine
 KMA7347 John Pietras, 53 Devens St., Indian Orchard, Mass.
 KMA7383 Joe Crowley, 66 Andrews Rd., Wollaston, Mass.
 KMA7386 Al LaMont, 334 Linden St., Holyoke, Mass.
 KMA7668 Bill Harvey, 16 Sander St., New London, Conn.
 KMA7795 Don Sevigny, Dewey Lane, West Rutland, Vt.
 KMA8131 Butch Blanchard, Hathaway St., Adams, Mass.
 KMA9039 Vincent Urban, 38 Burke Rd., Rockville, Conn.
 KMA9107 Bozo Miller, 4 Zion Court, Groton, Conn.
 KMA9209 Al Doty, P.O. Box 273, Thompsonville, Conn.
 KMA9261 Carroll Rogers, Box 178, Middletown, Conn.
 KMA9865 David Orluk, 200 Manchois Rd. Ext., Wilbraham, Mass.
 KMB0033 Charlie Wood, 19 Elm St., Woodsville, N.H.
 KMB0161 Jimmy Macione, 97 Riverview Ave., New London, Conn.
 KMB0611 Everett Decker, P.O. Box 411, Westfield, Mass.
 KMD0003 David Boyko, 2514 Callahan Ave., Watervliet, N.Y.
 KMD0346 Nelson Powell, 29 Hilton St., East Orange, N.J.
 KMD0404 Lawrence Fried, 3070 Seaview Lane, Bellmore, N.Y.
 KMD0428 David Bellask, 1159 East 42nd St., Brooklyn, N.Y.
 KMD0490 Fred Octor, 339 Leslie St., Newark, N.J.
 KMD0992 Howard Huneke, 518 Mountain Ave., Springfield, N.J.
 KMD1113 Richard Harvey, 133 Morris Ave., Summit, N.J.
 KMD1314 John Humphries, 102 Lincoln Ave., East Paterson, N.J.
 KMD1705 Phillip Ellery, 20 Riverside Dr., Suffern, N.Y.
 KMD1755 Ronald White, St. Remy, New York
 KMD2018 Ron Kerber, 25 Broadway, Park Ridge, New Jersey
 KMD2334 Sherwood Wile, 15 Vandeventer Ave., Pt. Washington, N.Y.
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 KMD2393 Brooklyn Bomber, Box 107, Brooklyn, N.Y. 11236
 KMD2436 John Erwin, 38 Gouverneur St., New York, N.Y.
 KMD2462 Bob Miro, 2680 E. 19th St., Brooklyn, N.Y.
 KMD2476 Gene Rosenberg, 367 Grant Ave., Oradell, N.J.
 KMD2625 Philip Trofmluk, 164 Main St., Franklin, N.J.
 KMD3059 Bruce McPherson, 231 Wales Ave., River Edge, N.J.
 KMD3295 Alex Marcus, 315 E. 68 St., New York, N.Y.
 KMD3327 W. Mitchell, 31 Fowler Ave, Newburgh, N.Y.
 KMD3449 Goldie, 11 Johanna Lane, Monsey, N.Y.
 KMD3719 Dale Schmaling, 239 Seymour Rd., Port Chester, N.Y.
 KMD4065 Richard Riccardelli, 206 DeLong Ave., Dumont, N.J.
 KMD4083 Rick Trevena, 103 Bryson Ave., Staten Island, N.Y.
 KMD4346 Edward Echank, 91-17th Ave., East Paterson, N.J.
 KMD5016 Martin Gdanski, 609 Kappa St., New York, N.Y.
 KMD5177 Mark Linett, 80 Huntington Ave., Scarsdale, N.Y.
 KMD5215 John Steinmetz, 96-10 57th Ave., Rego Park, N.Y.
 KMD5998 Ken Eller, 99 E. 4 St., New York, N.Y.
 KMD6375 Joseph Mohr, 348 Morton Ave., Rahway, N.J.
 KMD6868 Ed Raffo, 325 Lexington Dr., River Edge, N.J.
 KMD7021 Dale Gerard, P.O. Box 135, Ardonia, N.Y.
 KMD7533 Michael Hurtack, 16 Montrose Ave., Fanwood, N.J.
 KMG0285 Charles Bell, 407 Pomeroy St., Ridley Park, Pa.
 KMG0384 Hal Webb, Ridley Park, Penna.
 KMG0471 Charlie Stauffer, R.D. #1, Holtwood, Pa.
 KMG0524 Gary Nicholson, 801 North Pitt St., Carlisle, Penna.
 KMG0597 Bob Zeiber, 1001 Midway Ave., Temple, Pa.
 KMG0791 Gregory Pace, 190 Redwood Dr., Carlisle, Pa.
 KMG1362 Ted Gingrich, 1801 Mayflower Circle, Lancaster, Pa.
 KMG1806 Ken Harryn, 158 W. Clarke St., Hellertown, Pa.
 KMG2513 Harry Watson, 53 W. Columbia Ave., Lindenwood, N.J.
 KMG3588 Don McDonald, 5905 Orchard Circle, Centerville, Del.
 KMG3653 Duke Michini, 4911 Threadneedle Rd., Wilmington, Del.
 KMG4182 David Fisher, 1540 No. 28th St., Allentown, Penna.
 KMG4642 Jim Conard, 821 E. Guilford St., Lebanon, Penna.
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 KMI1239 Mike Magro, 217 Long Alley, Morgantown, W. Va.
 KMI1259 Joe Lentini, 7111 Amherst Dr., Pensacola, Fla.
 KMI1499 Don Heimbuch, 298 North Rose St., Baltimore, Md.
 KMI1861 John Hawkins, 9631 52nd Ave., College Park, Md.
 KMI2116 Gary Tate, 900 Hood Ave., Shinnston, W. Va.
 KMI2129 Robert Coffman, 319 Cedar Dr., Salisbury, Md.
 KMI2262 Todd Smith, 828 Hamilton Blvd., Hagerstown, Md.
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 KMI2488 Dallas Bradford, Box 74, Pittsville, Md.
 KMI2756 Harold Feagan, 518 Main St., Weston, West Virginia
 KMI3005 Terry Collins, 4 King Ave., Frederick, Md.
 KMI3357 Mike Reshetar, 9021 Manchester Rd., Silver Spring, Md.
 KMI3442 Bill Rowan, 1133 Steiger Way, Baltimore, Md.
 KMI3828 Gertrude Seaber, 409 Vine St., Westernport, Md.
 KMI3835 Boyd Wright, 12023 Bennett Rd., Herndon, Va.
 KMK0568 Jack Prigden, 408 W. 19th St., Lumberton, N.C.
 KMK0678 Edith Grantham, P.O. Box 364, Raeford, N.C.
 KMK3871 Tommy Stevens, Rt. 1 - Box 277, Raeford, N.C.
 KMM0149 Ivan Weevie, 430 N. Commerce St., Summerville, Ga.
 KMM0243 Mike Murphy, 4505 Rogers Rd., Chattanooga, Tenn.
 KMM0411 Mack Gilreath, Route 3, Summerville, Ga.
 KMM1135 Lonnie Jenkins, 8 Ranger Dr., Charleston Hts, S.C.
 KMM1177 Ted Booth, 231 Illinois St., Travis AFB, Calif.
 KMM1484 Jerry Morgan, 106 Merchant St., Mt. Pleasant, Tenn.
 KMM3176 Robert Thomas, 115 Larchmont, Chattanooga, Tenn.
 KMM5807 Willis Knights, 903 Beech St., Newport, Tenn.
 KMM5816 Ora Cardwell, Rt. 1 - Box 335, Heiskell, Tenn.
 KMM6790 Steve Fuston, 110 Water St., Woodbury, Tenn.
 KMM9410 Skip Dakeman, 6109 Bermuda Terrace, Chattanooga, Tenn.
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 KMP0465 Bill Bartlett, 7261 S. Eudine Dr., Jacksonville, Fla.
 KMP1128 Cy Hyde, 1140 37th Ave. N.E., St. Petersburg, Fla.
 KMP2491 Carroll Pirtle, 2213 Barry Dr., Fort Myers, Fla.
 KMP2961 Oscar Milton, 276A Elm St., Glasgow AFB, Montana
 KMP3674 Harve Kauffman, P.O. Box 2513, Port Charlotte, Fla.
 KMP4762 Don Williams, 914 Clearlake Rd., Cocoa, Fla.
 KMR0718 M.L. Arsdel, P.O. Box 516, Welsh, La.
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 KMR1294 Bill Landry, 9724 Diane Ave., Baton Rouge, La.
 KMR1486 Kenneth Fisher, Rt. 2 - Box 334, Malvern, Ark.
 KMR6064 Virgil Moore, Route Two - Hartje Lane, Conway, Ark.
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 KMT1395 Floyd Tappan, 6315 Newquay, Houston, Texas
 KMT1506 Arthur Cates, 1310 North Dakota, Baytown, Texas
 KMT2245 C.W. Pyle, Rt. 2, Iola, Texas
 KMT3371 Wally Goodwin, 4301 Nagle, Bryan, Texas
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 KMV6463 The Haslers, 420 Northlake Shopping Center, Dallas, Tex.
 KMV7641 Paul Lawson, 923 So. 8th, Ponca City, Okla.
 KMW7910 Joel Bond, 6223 Stefani, Dallas, Texas
 KMX0073 Tom Berg, P.O. Box AL, Atascadero, Calif.
 KMX1007 Rolly Butler, 520 E. Fourth St., Long Beach, Calif.
 KMX1528 Monty Nelson, 752 Harding, San Fernando, Calif.

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 KMX3714 Donald Hamilton, 1780 N. Conejo, San Bernardino, Calif.
 KMX4859 Bob Sanson, P.O. Box 548, Scottsdale, Ariz.
 KMX5223 Fred Osterman, 621 N. Philadelphia St., Anaheim, Cal.
 KMX6226 Avery Golden, 16610 Bosque Dr., Encino, Calif.
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 KMX7748 Bob Callahan, 1817 Anacapa St., Santa Barbara, Calif.
 KNA0247 Ernie Miguel, 11940 Barnett Valley Rd., Sebastopol, Cal.
 KNA1504 Mike Forsyth, 789 Colusa Ave., El Cerrito, Calif.
 KNA1538 Alan Kafon, 631 W. Acacia, Salinas, Calif.
 KNA1606 Bud Boswell, 211 Harrison St., Coalinga, Calif.
 KNA1941 Dick Miranda, 2663 Kavanaugh Rd., San Pablo, Calif.
 KNA2060 Frank Oxner, 382 Monterey, Pacifica, Calif.
 KNA2893 Edward Fell, 4018 E. 3rd Ave., Napa, Calif.
 KNA4972 Mary Ogborn 2217 North Rancho Rd., El Sobrante, Cal.
 KNA5053 Gordon Graham, 37340 Walnut St., Newark, Cal.
 KNA6190 Chuck Iverson, 2611 Humphrey Ave., Richmond, Cal.
 KNC0535 Ed King, 505 Merchant, Eastside, Ore.
 KNC0998 Virg Dean, 9316 SE Woodstock, Portland, Ore.
 KNC1557 Monty Gould, Rt. 2 - Box 254-S, Sweet Home, Ore.
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 KNC2044 Daryl Thompson, P.O. Box 546, Warm Springs, Ore.
 KNC2257 Rick Warner, 4290 High St., Eugene, Ore.
 KNC2354 Jacque Roberts, #9 Cadillac, Valseltz, Ore.
 KNC2570 James Saigeon, H2, SAC (DPSE)Offutt AFB, Omaha, Nebr.
 KND0055 Clint Ulrich, Malta, Montana
 KND1195 Del Gaines, 2509 8th Ave. South, Great Falls, Montana
 KND1451 Don Lyman, 503 Blue, Richland, Wash.
 KND1879 Calvin McDonald, Box 115, Somers, Mont.
 KND2270 Bill Kirsch, P.O. Box 275, Hoquiam, Wash.
 KND2704 Rex Ulrich, Regina, Montana
 KND2812 Gus Elke, 5039 Ocean Ave., Everett, Wash.
 KNE1493 Gerald Nielsen, 590 North 3rd West, American Fork, Utah
 KNI1971 John Brutlag, 124 Ash St., Sheridan, Wyoming
 KNH0935 Pete Nosler, 1144 Pineridge, Wichita, Kansas
 KNH1445 Virgil Argo, 520 West Halsey St., Maryville, Mo.
 KNH2138 James Larson, 617 North Spruce, Wichita, Kans.
 KNH2587 Frank Mauler, R.F.D. 1, Olmitz, Kans.
 KNH2593 Card Swapping Dale, 125 E. Holden Lemay, Mo.
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 KNH6510 Bill Boxer, 2720 Alameda, Springfield, Mo.
 KNH7132 Henry Hawkins, R.R. 1 - Box 86, Fairgrove, Mo.
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 KNH7527 Stan Fischer, 117 Cady St., St. Louis, Mo.
 KNH7604 Gene Holdinghausen, Box 123, Hematite, Mo.
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 KNH8307 Ed Provence, 819 Marclene, Wichita, Kans.
 KNH9112 Al McCool, 2605 South 45th St., Kansas City, Kans.
 KNI0326 Don Feltz, Keota, Iowa
 KNI0361 Jeff Guernsey, St. John's Military School, Salina, Kans.
 KNI0500 Oscar Hartmann, 125 E. Holden, Lemay, Mo.
 KNJ0412 Robert Thurgood, 824 Pershing Blvd., E. St. Louis, Ill.
 KNJ1289 Richard Morgan, 1743 6th Ave. SE., Cedar Rapids, Iowa
 KNJ2321 Rick Rumick, 1032 Oak Ridge Dr., Glencoe, Ill.
 KNJ2415 Roger Knautz, 6450 N. Leoth, Chicago, Ill.
 KNJ3086 Janet Stanley, 334 N. Franklin St., Dunkirk, Ind.
 KNJ4325 William Eager, 629 Ohio, Quincy, Ill.
 KNJ4430 David Conder, 1319 South Cherry, Centralia, Ill.
 KNJ4674 Howie Beesley, 8444 So. Halsted, Chicago, Ill.
 KNJ5888 Harold Peck, 1344 Huestis Ave., Fort Wayne, Ind.
 KNJ5921 Jesse Boyd, 3008 Douglas Ave., E. St. Louis, Ill.
 KNJ6487 John Crawford, P.O. Box 1053, Owensboro, Ky.
 KNJ6622 Robert Hensley, R.R. 1, Tamaalco, Ill.
 KNJ6721 John Povlinski, 445 E. Ridge Rd., Gary, Ind.
 KNJ7047 Jerry Ahler, R. 6 - Box 26 Hy. P., Burlington, Wis.
 KNJ7169 Robert Eurick, R.R. 2 - Box 20-B, Noblesville, Ind.
 KNJ7391 Bob Conant, 613 South Bluff Rd., South Beloit, Ill.
 KNJ7802 Wm. Wallace, 35 Gilbert St., Savanna, Ill.
 KNJ8570 Tommy Nance, Route 2, Brazil, Ind.
 KNJ8755 Gay Hodges, P.O. Box 318, Centralia, Ill.
 KNJ8784 Don Ault, 1823 South 5th Ave., Maywood, Ill.
 KNJ9342 Max Reed, Box 320, Byron, Ill.
 KNJ9452 Bill Hinders, 225 N. Phillips St., Kokomo, Ind.
 KNJ9997 Bill Hemphill, R.R. 7 Lake Holiday, Crawfordsville, Ind.
 KNK0240 Don Field, 464 Shabona Dr., Park Forest, Ill.
 KNK0383 Whitey Overton, R.R. 2, Claypool, Indiana
 KNK0460 David Sigo, Route 1 - Box 153, Goodland, Ind.
 KNK0580 Russ Draggist, R.R. 1 - Spring Bay, E. Peoria, Ill.
 KNK0584 Glenn Seprer, 1211 Ninth Ave., Fairbanks, Alaska
 KNK0717 Clifford Charles, 1136 E. Elmhurst, Decatur, Ill.
 KNK0706 Roy Powell, 706 S. Manhattan St., Indianapolis, Ind.
 KNK1126 Richard Danhauser, St. Paul Church, RR 2, Leitchfield, Ky.
 KNK1129 C.B. Brown, 807 East 15th St., Sterling, Ill.
 KNK1188 Charles Primus, RR 2, Vincennes, Ind.
 KNK1257 Bill Turner, 1217 So. 5th St., Paducah, Ky.
 KNK1515 Herschel Schaubert, P.O. Box 123, Staunton, Ind.
 KNK1553 Charles Guarino, Box 8, Goodland, Ind.
 KNK1639 J.C. Anderson, 8 Sheridan Rd., Kenosha, Wisc.
 KNK1890 Ernest Petersen, 1201 Roosevelt St., Clinton, Iowa
 KNK2004 The Rodinos, 2019 E. 4th St., Mishawaka, Ind.
 KNK2211 Ron James, 1352 E. Locust St., Decatur, Ill.
 KNK2343 Ken Kramer, 5735 S. Merrimac Ave., Chicago, Ill.
 KNK2902 Richard Goss, 615 10th Ave., Coralville, Iowa
 KNK2907 Mickey Urban, 2696 Dearborn St., East Gary, Ind.
 KNK3180 Kenneth Proeber, 9330 W. Eden Place, Milwaukee, Wis.
 KNK3972 Joseph Jachimik, 2400 South St., Rolling Meadows, Ill.
 KNK4664 Jerry Redar, 2007 Church St., Dyer, Ind.
 KNK4890 Kent Newton, 608 Sunset Court, Havana, Ill.
 KNK5289 John Manus, 111 E. Roosevelt St., Freeport, Ill.
 KNK5387 Paul Cunningham, 403 19th St., Logansport, Ind.
 KNK6091 Tom Kozrowski, 3976 Maryland St., Gary, Ind.
 KNK6293 Hank Peterson, 3041 N. 77th Ct., Elmwood Park, Ill.
 KNK6919 John Mayer, 706 1st St., Camanche, Iowa
 KNK6925 Martin Perry, 3 Indiana Ave., Danville, Ill.
 KNK7027 Michael Margolis, 2700 W. Chase, Chicago, Ill.
 KNK7517 Bill Miller, 407 Allison Rd., Middletown, Ky.
 KNO0454 Kenneth Francisco, Route 1, New Stratsville, Ohio
 KNM0810 Don Thesen, 53 Norwood Ave., Norwalk, Ohio
 KNM0827 Dallas Leith, 23 Gal Lane, Tiffin, Ohio
 KNM1254 Dan Howald, Rt. 1, Delaware, Ohio
 KNM1306 Bill Steutz, 317 Columbine Ave., Akron, Ohio
 KNM2171 Gary Maturen, 1003 Court, Saginaw, Mich.
 KNM2184 Gary Crippen, West 35 St., Shadyside, Ohio
 KNM2322 Chuck Sisler, 140 Montgomery Lane, Mingo Jct., Ohio
 KNM2350 Glenn Rey, 132 Hill St., Lansing, Mich.
 KNM2365 Mike DelCorto, Box 393, Pwathatan Point, Ohio
 KNM2845 Lois Rizer, Box 19, Mason, W. Va.
 KNM3050 Jim Ameron, 2556 North Union Rd., Dayton, Ohio
 KNM3577 Walt Boren, 4525 Haddington Dr., Toledo, Ohio
 KNM4121 Howard House, P.O. Box 357, Winchester, Ky.
 KNM4439 Ed Konopka, 3112 Bradley Rd., Westlake, Ohio
 KNM4500 William Selzer, 3812 S. Turkeyfoot Rd., Akron, Ohio
 KNM4570 Myrtelle West, 1804 East Ganson St., Jackson, Mich.
 KNM4439 Ed Konopka, 3112 Bradley Rd., Westlake, Ohio
 KNM4500 William Selzer, 3812 S. Turkeyfoot Rd., Akron, Ohio
 KNM4570 Myrtelle West, 1804 East Ganson St., Jackson, Mich.
 KNM4813 Jim Waters, 28 S. Pembroke Ave., So. Zanesville, Ohio
 KNM4958 Richard Gaunt, 15 Riverside Dr., Saginaw, Mich.
 KNM5016 Bill Brooks, 117 W. Stewart Ave., Flint, Mich.
 KNM5436 Nick Koch, 6422 Elbrook Ave., Cincinnati, Ohio
 KNM6935 Roger Weber, 6231 Highland Rd., Cleveland, Ohio
 KNM7185 Victor Fortnoft, 1759 Kingsley Ave., Akron, Ohio
 KNM7399 Lyle Green, Boyne City, Mich.
 KNM7694 Keith Carnes, 2277 Oak Park Ave., Muskegon, Mich.
 KNM8518 Harry Kimmel, 869 Wood St., Follansbee, W. Va.
 KNM9486 Stephen Hodges, 105 1/2 5th St., Ludington, Mich.
 KNM9699 Ted Davis, R.D. 1 - Box 38-A, Farmdale, Ohio
 KNM9849 Harold Kraenzlein, 4049 Hess, Saginaw, Mich.
 KNN0101 Steve Stephan, 1051 W. Maple Ave., Adrian, Mich.
 KNN0483 Paul Craig, 2324 Greenacre Dr., Findlay, Ohio
 KNN0838 Dave White, 23305 Fernwood Beachwood, Ohio
 KNN1005 Larry Funderburg, 126 Bierce St., Dayton, Ohio
 KNN1391 Joe Berendt, 1127 Hawk St., Toledo, Ohio
 KNN1608 Bernie Godaway, Box 256B, St. Clairsville, Ohio
 KNN1625 Bill Hutchisson, 3130 W. 115th., Cleveland, Ohio
 KNN1700 John Rice, 204 East Main St., Metamora, Ohio
 KNN2137 Laura Plueddemann, R.D. 2, Clinton, Ohio
 KNN2330 Tom Biggs, 820 Stone St., Flint, Mich.
 KNN2435 Ervin Laurenz, 7214 Cole Rd., Saginaw, Mich.
 KNN2515 Bob Troupe, 532 Tickner St., Linden, Mich.
 KNN2969 Bugs Callison, 204 Harrison St., Elyria, Ohio
 KNN3349 Scott Hogg, 3327 Stettinius, Cincinnati, Ohio
 KNN3559 Ralph Crawford, P.O. Box 621, Olive Hill, Ky.
 KNN3702 Mike Croissant, 403 Cottonwood, Midland, Mich.
 KNN4066 Al Rosenberg, 423 First St., Piqua, Ohio
 KNN4281 Larry Duram, 2010 West Lake Rd., Twin Lake, Mich.
 KNN4722 Alex Gillespie, 2725 Grindley, Dearborn, Mich.
 KNN4766 Vince Friedel, 1642 Kedron St., Toledo, Ohio

KNN5558 T.J. Statzer, Box 1817, Logan, W. Va.
KNN5712 Albert Pezzenti, 4593 Barrington Dr., Youngstown, Ohio
KNN6115 Mary McIver, 733 Barker Dr., Springfield, Ohio
KNN6192 John Dye, 3705 Harrison St., Bellaire, Ohio
KNN6590 Don Grime, Box 64, Woodstock, Ohio
KNN6680 Jess Beckhorn, 4248 Farr Rd., Fruitport, Mich.
KNN7902 Jesse Dunn, 2214 Aitken Ave., Flint, Mich.
KNN7942 Robert Robinson, Box 34, Fleming, Ohio
KNN8048 Bill Naus, 325 Pine Hill Ave., Cheboygan, Mich.
KNP0066 Cliff McLain, West Hill Rd., Hamilton, N.Y.
KNP0567 Bob Ivanoff, 726 Ellsworth Ave., Jeannette, Pa.
KNP1444 Paul Clark, 863 Monaca Rd., Monaca, Pa.
KNP1445 Earl Roehl, 861 Monaca Rd., Monaca, Pa.
KNP1507 Larry DeMarco, 909 Elizabeth St., Mechanicville, N.Y.
KNP1806 John Rose, 431 Jackson St., Summerhill, Pa.
KNP1994 John Bruny, 2005 - 7th St., Beaver Falls, Pa.
KNP2225 Robert Madison, 1515 Edgar Ave., Chambersburg, Pa.
KNP2399 Dale Monfort, 218 Maple Crest Ave., Lakewood, N.Y.
KNP2429 Bob Bialecki, 17 Roper St., Rochester, N.Y.
KNP2471 Jim Laubs, Route 1, St. Thomas, Penna.
KNP2658 Ronnie Goodwin, R.D. #3, Wellsboro, Pa.
KNP2708 Joseph Strauss, 110 S. Atlantic Ave., Pittsburgh, Pa.
KNP3245 Geo. Thayer, A303 Irquois Dr., Salamanca, N.Y.
KNP3338 Peg Catlin, 547 Gaines St., Elmira, N.Y.
KNP3602 Walter Kakarek, R.D. #3, Moscow, Pa.
KNP3801 Bob Hedrich, 36 Main St., Randolph, N.Y.
KNP4353 Chuck Harrison, 140 Whitehill Ave., Jamestown, N.Y.
KNP5015 Don Newton, Rt. #1 - Box 44, Gerry, N.Y.
KNP5155 John Thompson, 436 N. Main St., Wilkes-Barre, Pa.
KNP5301 Stretch Cunningham, East Main Rd., Westfield, N.Y.
KNP5344 Jack Anchor, 209 Crescent Dr., Lower Burrell, Pa.
KNP5382 Dick Tanner, 14 Seneca Manor Dr., Seneca Falls, N.Y.
KNP5523 Dave Doxey, 807 Elizabeth St., Mechanicville, N.Y.
KNP5816 Denny Spitzer, 9 Crescent St., Jamestown, N.Y.
KNP6171 Wendy Snyder, Rd. 5, Butler, Pa.
KNP6317 Tom Roche, 91 Beaumont St., Wilkes-Barre, Pa.
KNP6405 David Orelk, 10 Christian St., Nanticoke, Pa.
KNP6630 Les Bishop, W. Fort Ann, New York
KNP6779 Lennie Cameron, 13 Prospect St., Warrensburg, N.Y.
KNP6852 James Smith, 210 Lincoln Ave., Dunkirk, N.Y.
KNP6867 Don Hoffelder, 102 Hedwig Ave., Cheektowaga, N.Y.
KNP6983 Irvin Spencer, 3108 Virginia Ave., West Mifflin, Pa.
KNP7277 William Hathaway, Lewis, New York 12950
KNP7450 Terry Hartsell, 217 Fulton St., Jamestown, N.Y.
KNP7485 Daniel Trotto, 73 Hancock St., Little Falls, N.Y.
KNP7640 Frank Lavelle, 222 No. Penna. Ave., Wilkes-Barrè, Pa.
KNP7793 Pat Ryan, 203 The Portage, Ticonderoga, N.Y.
KNP8130 Wayne Reed, Fair Oak St., Little Valley, N.Y.
KNP8135 Pete Baldwin, 117 Howard St., Fredonia, N.Y.
KNP8523 Paul Kennedy, Rt. 38 - RD. 4, Moravia, N.Y.
KNU0024 James Schubauer, 402 Haines, Fairbanks, Alaska
KNU0079 Dale Martin, 516 N. Pine St., Anchorage, Alaska
KOA0066 Tom Garceau, 16 Moreau St., Manchester, N.H.
KOA0957 Dan Okraska, 68 Parish Farm Rd., Brandford, Conn.
KOA2106 R. Bradlee, 271 Carleton Dr., Cheshire, Conn.
KOA2203 Bill Brace, 133 High St., Rockville, Conn.
KOD0133 Bob Beinisch, 5303 Ave. I, Brooklyn, N.Y.
KOD0829 Alvin Koslofsky, 2105 Rockaway Pkwy., Brooklyn, N.Y.
KOG0186 Jim Moon, 108 Tenby Rd., Havertown, Pa.
KOI0316 Buck Short, 440 Overhill St., Morgantown, W. Va.
KOK0750 Lee Ownby, Box 235, Wytheville, Va.
KOR0096 Neil Ward, P.O. Box 225, Newport, Ark.
KOT0310 Cal Shilling, 742 Saipan Place, San Antonio, Texas
KPA0040 R.W. Asher, 590 1/2 W. Plumb Lane, Reno, Nevada
KPA0139 Art Nicola, 369 Paul Ave., Salinas, Calif.
KPE0337 Max Owen, 4802 W. 34th Ave., Denver, Colo.
KPH0688 Bob Tatum, 3905 Cessna Dr., Wichita, Kans.
KPH2426 Victor Bagley, 6949 College, Kansas City, Mo.
KPJ0490 John Edwards, 704 So. Wellington St., So. Bend, Ind.
KPJ0667 E.A. Davis, 113 W. Wayne, South Whitley, Ind.
KPJ1155 Terry Shepard, 223 1-2 E. Main St., Morrison, Ill.
KPJ1626 Jeannette Erickson, 4314 - 10th St., East Moline, Ill.
KPJ2888 Lynn Durlfingler, Fowler RR. 1, Indiana
KPM0119 M.E. Welch, 870 Brownwood Rd., Mansfield, Ohio
KPM0258 Bill Barreter, 145 Jackson St., Tiffin, Ohio
KPM0297 Bob Kiplinger, P.O. Box 61, Charlotte, Mich.
KPM0398 Larry Disher, 2024 Sandown, Toledo, Ohio
KPM0695 Jerry Zimmer, 1416 1/2 Rickenbacher, Columbus, Ohio
KPM1457 Paul Kyer, Route 3, Parkersburg, W. Va.
KPM1717 Steve Gurren, 1555 Banklick St., Covington, Ky.
KPQ0065 Terry Splitt, 66 East Sandbury St., Shamokin, Pa.
KPQ0562 Ernest Demers, 528 Rensselaer Ave., Ogdensburg, N.Y.
KPQ0788 Charles Robertson, 806 - 13th St., Altoona, Pa.
KPQ0907 Roger Stern, 885 Wyoming Ave., Kingston, Pa.
KPQ1033 Darrell Helms, 21 Wellington St., Malone, N.Y.
KPQ1037 Jim Jennings, 470 Hollywood Blvd., Webster, N.Y.
KPQ1808 Al Gulley, 194 A.W. Terrace, Baden, Pa.
KPQ2341 Ivan Smith, 419 Water St., Danville, Pa.
XM11611 Robert Moore, 8656 Cartier St., Vancouver, B.C.
XM12136 M.L. McDougall, General Delivery, Prince George, B.C.
XM151085 Darrell Valair, 3300 - 32nd Ave., Vernon, B.C.
XM21704 Lynn Mantz, 752-7th St. S.E., Medicine Hat, Alb., Can.
XM22444 Paul Cross, 9758 - 145 St., Edmonton, Alb., Canada
XM22525 Gerry Rynders, 85 Gamble Ave., Toronto, Ont., Can.
XM22662 Al Benoit, 11061 156 St., Edmonton, Alberta, Canada
XM231343 Tom Sanders, #505, 1904 - 10th St. S.W., Calgary, Alb.
XM412800 Skippy Massam, 66 Guthrie Ave., Toronto, Ont., Can.
XM414097 Sidney Clarke, 40 Tretthewey, Toronto, Ont.
XM42820 Dorson Valliquette, 7140 Justine Dr., Malton, Ontario
XM431259 Dennis Dubois, Box 71, Welland, Ontario
XM43614 Jacob Fehrman, R.R. 1, Port Colborne, Ont., Canada
XM431853 James Myers, P.O. Box 218, Val Caron, Ontario
XM442411 Bill Kerwin, 287 Nelson St., Sarnia, Ontario
XM442709 Larry Serratore, 70 Tunis Ave., Sarnia, Ontario
XM531350 Yves Ranger, 992 Perry St., Sherbrooke, Quebec, Can.
XM531778 Arnold Mackeage, Box 616, Lennoxville, P.Q.
XM552163 Carole Huot, 1663, Cote de l'Église, Silvery, Quebec
XM552222J.C. Mainguay, 799, des Chenes Est., Quebec, Canada
XM56723 Andre Godin, 521, 21 e Ave., Grand'Mere, P.Q.
XM56790 Jean Daneault, 1185, Se Ave., Grand'Mere, P.Q.
XM56814 Andre Daneault, 552, 8e Ave., Grand'Mere, P.Q.
XM631022 Bill Meakin, 2581 Creighton St., Halifax, N.S.
XM631107 Y. Houle, Warshap H.M.C.S.St. Laurent, Fleet Mail Office, Halifax, Nova Scotia, Canada
XM631337 Norman Perry, P.O. Box 431, Shelburne, Nova Scotia
Atl. 1220 Kenneth Arnel, 225 Pine St., Winchester, Va.
Cent. 2829 Arthur Steinberg, P.O. Box 48, New Ulm, Minn.
Cent. 5000 Bob Zaitz, 5439 Dober La., St. Louis, Mo.
Cent. 93026 Card Swapping Dale, 125 E. Holden, Lemay, Mo.
North 99 Everett Decker, P.O. Box 411, Westfield, Mass.
North 3300 Tom Bolling, 233 Temple St., Fredonia, N.Y.
North 5015 Don Schmitt, P.O. Box 14, Gettysburg, Pa.
North 0148 David Burgard, 535 N. Bedford St., Carlisle, Pa.
JA3-2320 Yutaka Tanaka, 66 I Bancho Koshien Nishinombya Hyogo, Japan
PR-1550 Sten Wretstrom, Skanorvagen 28, Johannessov (Stockholm) Sweden
OZDR1261 Palle Nielsen, Humlebaekgade 13'', Copenhagen N Denmark
ONL170 Jacquet Camille, UBA P.O. Box 634, Brussels, Belgium
TN/DX.068/G M.A. Hall, 308 Momaque Crescent, Leeds 8 Yorkshire, England
WPE1GRF Dick Clogston, Starks, Maine
WPE3FNB Donald Traves, 341 Miller St., Bangor, Pa.
WPE3FNS Andrew Cwalina, 1674 W. Chestnut St., Shamokin, Pa.
WPE3FQ Donald Schmitt, Box 14, Gettysburg, Penna.
WPE3GQE David Bubeck, 109 E. Main St., Schuylkill Haven, Pa.
WPE4ENC Jimmy Bullock, 1628 Long Ave., Nashville, Tenn.
WPE6GAE Jim Harris, 897 Bockman Rd., San Lorenzo, Calif.
WPE1DRU Errol Decker, P.O. Box 411, Westfield, Mass.
WPE1GRF Dick Clogston, Starks, Maine
WPE2LJE Robert Golluh, 871 Falesky St., Rahway, N.J.
WPE2NJO Sheldon Shuff, 105-57 Flatlands 8th St., Brooklyn, N.Y.
WPE3FNB Donald Traves, 341 Miller St., Bangor, Pa.
WPE3FNS Andrew Cwalina, 1674 W. Chestnut St., Shamokin, Pa.
WPE3FQ Donald Schmitt, Box 14, Gettysburg, Penna.
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SWL Rich Caldeira, 16317 Molino Dr., Victorville, Calif.
SWL Fred Lampert, 10 Green View Dr., Pequannock, N.J.
SWL REF11.100 Jacques Parmantier, 12 Avenue du Colonel Fabien P. 153 93-St. Denis, France
SWL REF16.097 Marie Parmantier, 12 Avenue du Colonel Fabien P. 153 93-St. Denis, France
TRQ1000 David Bubeck, 109 E. Main St., Schuylkill Haven, Pa.
WTCM Card Swapping Bob, 5439 Dober Lane, St. Louis, Mo.
M35353 David Bubeck, 109 East Main St., Schuylkill Haven, Pa.
Central Printing, 920 Vandeventer, Fayetteville, Ark.



THE RADIO NETWORK OF THE

U.S. COAST & GEODETIC SURVEY

FOR ALL CB MONITORING & DX SHACKS

The function of the U.S. Coast and Geodetic survey includes providing charts and related information for the safe navigation of marine and air commerce, and to provide basic data for engineering and scientific purposes for the development of natural and industrial needs. To accomplish this, the USC&GS operates a large fleet of surveying ships plus a number of base stations. These stations are often reported by listeners, however a listing of all of the stations and frequencies has never before been presented to the public. We were fortunate in being able to obtain an accurate listing of these stations to present in accordance with this series of station listings for CB monitoring and SWL stations.

USC&GS stations have been known to QSL for detailed reception reports. Any reception reports may be sent to: Engineering Division, Environmental Science Services Division, U. S. Coast & Geodetic Survey, Department of Commerce, Washington, D.C. 20235.

COMMUNICATIONS FREQUENCIES

Ships (Fone): 2182, 2670, 4133*, 4136, 4160, 6204*, 8273*, 12407*, 12414*, 16537*, 16544*, 16551*, 16558*, 22078*, 22085*, 22092*, 34980, 36220, 38220 kc/s.

Ships (CW): 465, 500, 4160, 6202, 8266 1/2, 8650, 34980, 36220, 38220 mc/s.

BASE STATIONS (Fone): 3333*, 34980, 36220, 36720, 38220, 38260, 164025, 164075, 170220, 171800, 172025, 173075 kc/s.

BASE STATIONS (CW): 2492, 3333, 34980, 36220, 38220, 170200, 171800 kc/s.

MOBILE STATIONS (Fone): 3333*, 4160, 27575, 27585, 34980, 36220, 36720, 38220, 38260, 164025, 164075, 170200, 171800, 172025, 173075 mc/s.

MOBILE STATIONS (CW): 2492, 3333, 4160, 4225, 8450, 12675, 27575, 27585, 34980, 36220, 36720, 38220, 170200, 171800 kc/s.

* Stations use SSB (upper SB). Stations operating above 30 mc/s use both AM and FM.

SHIPS

WTEA DISCOVERER
 WTEB FAIRWEATHER
 WTEC BOWIE
 WTED EXPLORER
 WTEE MARMER
 WTEF RANIER
 WTEH LESTER JONES
 WTEI HYDROGRAPHER
 WTEM PATTON
 WTEO PATHFINDER
 WTEP OCEANOGRAPHER
 WTEQ PEIRCE
 WTER PIONEER
 WTES SURVEYOR
 WTEW WHITING
 WTEX HODGSON
 WTEY WAINWRIGHT
 WZ2500 to WZ2509 EXPLORER
 WZ2510 to WZ2512 HODGSON
 WZ2513 to WZ2514 (Boston Office)
 WZ2516 to WZ2517 RANIER
 WZ2518 to WZ2519 (N. Y. Office)
 WZ2521 to WZ2529 PATHFINDER

WZ2530 to WZ2532 (Photogrammetry)
 WZ2533 to WZ2534 (Norfolk Office)
 WZ2535 to WZ2537 (E. C. Field Party)
 WZ2538 to WZ2539 (New Orleans Ofc.)
 WZ2540 to WZ2549 PIONEER
 WZ2550 to WZ2552 SCOTT
 WZ2553 to WZ2554 (Los Angeles Ofc.)
 WZ2555 to WZ2557 RANIER
 WZ2558 to WZ2559 (San Fran. Ofc.)
 WZ2560 to WZ2569 SURVEYOR
 WZ2571 to WZ2572 RANIER
 WZ2573 to WZ2574 (Portland Office)
 WZ2575 to WZ2577 RANIER
 WZ2578 to WZ2579 (Seattle Office)
 WZ2580 to WZ2589 HYDROGRAPHER
 WZ2590 to WZ2592 LESTER JONES
 WZ2593 to WZ2594 (Honolulu Ofc.)
 WZ2595 to WZ2597 PATTON
 WZ2598 to WZ2602 PEIRCE
 WZ2603 to WZ2607 WHITING
 WZ2608 to WZ2609 DISCOVERER
 WZ2611 to WZ2619 DISCOVERER
 WZ2620 to WZ2622 WAINWRIGHT
 WZ2625 to WZ2627 HILGARD
 WZ2628 to WZ2629 MARMER

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Name

Address

City Zone State

WZ2630 to WZ2632 BOWIE
WZ2633 to WZ2642 OCEANOGRAPHER
WZ2643 to WZ2650 FAIRWEATHER

MOBILE STATIONS

KA8129 to KA8134 (Washington Ofc.)
KD7986 to KD7991 (Geodesy)
KD7992 to KD7993 (Geophysics, College, Alas.)
KD7994 to KD7995 (Geophysics, Honolulu, Hawaii)
KD7996 to KD7997 (Geophysics, Tucson, Ariz.)
KD7998 to KD7999 (Photogrammetry)
KD8000 to KD8003 (Marine Data Info.)
KD8004 to KD8005 (Washington Ofc.)
KE8200 to KE8226 (Geodesy)
KE8227 to KE8234 (Photogrammetry)
KF3700 to KF3711 (Photogrammetry)
KF3712 to KF3731 (Geodesy)
KF3732 (Oceanography)
KF3733 to KF3742 (Geodesy)
KF3743 to KF3746 (Research & Develop.)

BASE STATIONS

KAW51 Tucson, Ariz.
KAW52 Honolulu, Hawaii
KAW53 College, Alaska
KAW54 Pt. Barrow, Alaska
KAW55 Seattle, Wash.
KAW56 Fredericksburg, Va.
KAW57 Sitka, Alaska
KAW58 Guam
KAW59 (Portable)
KAW60 Norfolk, Va.
KCU727 to KCU736 (Portable)
KVD (Portable)
KVH (Portable)
KVJ (Portable)
KVK (Portable)

S9

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CB IN ACTION!



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

VACATIONS & CB—by Guest Author Tony Secker
Customer Relations Manager, Pearce-Simpson, Inc.

The time of the year for a rest and a change from normal everyday activities is here again. Things to do and places to go are almost countless. Vacations for the family or the individual are now made more enjoyable and safer with CB radio along for company.

The car that is equipped with a CB radio is always a push button away from invaluable information in any area that is being driven through. More often than not local monitoring units have information available on the better places to eat and where to sleep that night. Prices and types of accommodations can also be obtained, making it possible to make your choice while still driving.

Changes in routes can be made by receiving information from helpful CB'ers on sites that are not advertised attractions. Many times these are more enjoyable than the ones that are more publicized.

Having a CB radio along is like having a friend in every town on the way. Naturally there can never be an over emphasis made on the importance of emergency communications. As it is known, many groups of CB'ers are continuously monitoring channel 9 which is the national emergency channel. This gives the vacationer a feeling of complete relaxation knowing that if needed, help is always as close as the microphone on his CB radio.

With the increasing number of completely transistorized CB units the problem of draining the battery by leaving the radio on too long is no longer a concern. Roadside

stops can be made and the unit left on in order to have instant communications.

By utilizing two mounting brackets the same unit can be used at sea as well as on land. The unit can easily be transferred from its bracket in the car and can be quickly connected on the boat. More marinas are becoming communications centers for the craft in its area. Monitoring on a prescribed channel is made by the marina leaving the vacationing fisherman with nothing to worry about in case an emergency arises. With more and more CB radios used at sea, fishing information can be relayed from one boat to the other.

The camper also benefits greatly from CB. Isolated and cut off from all outside contact, CB provides a vital communications link in a variety of emergency situations too numerous to detail here. From running out of gas on a country road to being lost in the woods, CB is ready to help at all times.

Vacation can be more fun and a feeling of security can be had by taking an extra friend along, your CB radio.

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Your story of "CB in Action" can win a COMPANION II CB. Write and tell us how CB helped perform a service or helped you or your community in an emergency. Send your story to Les Hench, National Sales Manager, PEARCE-SIMPSON, INC., P.O. Box 800, Biscayne Annex, Miami, Florida 33152.

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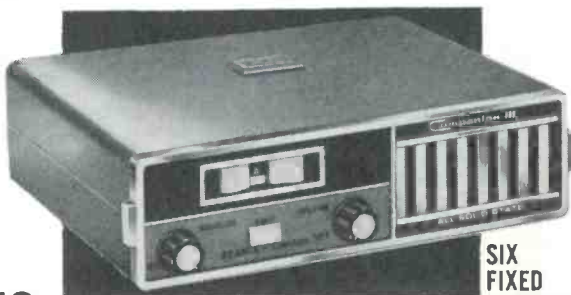
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5-66

COMING EVENT CALENDAR

State of Vermont Jamboree. The Otter Valley CB Radio Club will sponsor the event June 26th, State Fairgrounds, Rutland, Vermont. Contact: P.O. Box 669, Rutland, Vermont.

4th Annual CB Jamboree, The Jacksonville Area CB Club will hold their Jamboree June 26th at Morgan County Fairgrounds, Jacksonville, Ill. Contact: George Jones, 929 Hardin Avenue, Jacksonville, Ill.

3rd Annual Picnic and Round-up of the Mahoning County CB Radio Club, July 10th at Holy Trinity Grounds, Route 616, Struthers, Ohio. Contact: Donald Peloquin, 618 West Heights Ave., Youngstown, Ohio.

3rd Annual Jamboree sponsored by the Bell City CB Radio Club, October 1st and 2nd Rain or Shine, Lake Compounce, off Route 72, Bristol, Conn. Contact: P.O. Box 753, Bristol, Conn.

The Town and Country CB Radio Club will sponsor their Jamboree at the Fairgrounds in Hamlock, New York, July 2nd, 3rd and 4th. Contact: Patti Nickerson, Redmond Rd., Nund, New York.

2nd Annual CB Round-up sponsored by the Echo CB Club, City Park, Elkins, W. Va., August 14th. Contact: Bailey Curtis, Elkins, West Va.

Annual CB Picnic, August 7th, sponsored by the Mt. Top CB Radio Club to be held at Herrington Manor, near Oakland, Maryland. Contact: W. D. Webster, Jr., Box 56, Aurora, West Va.

Sunday, June 5th, 6th Annual Jamboree of the Citizens Radio Ass'n. of Rockland. Site: Lamplighters Hall, New City, N. Y. Contact: C.R.A. Jamboree, P.O. Box 295, Nanuet, New York.

CB Jamboree, June 5th, sponsored by the Central Vermont CB Club at the Barre Fish and Games Grounds, Vermont. Monitor channel 11. Contact: Bea Irons, RFD 2, Montpelier, Vermont.

2nd Annual CB Carnival, June 12, sponsored by the Manchester Radio Aid, Inc., at the Catholic War Veterans Picnic Grounds, off Goffstown Rd., in Manchester, N. H. Contact: Manchester Radio Aid, 335 Lake Ave., Manchester, N. H.

3rd Annual Jamboree of the Lancaster County Radio Club, July 3rd, Rocky Springs Park, Lancaster, Penna.

The Northeastern Michigan CB Club of Cass City will hold their 4th Annual Jamboree at Caro Fairgrounds, June 18th and 19th. Contact: Bill Graza, 2870 Mertz Rd., Caro, Michigan.

1966 Round-up. Site: Forty Waynes Coliseum, September 18th sponsored by the Maumee Valley CB Radio Club. Grand prize, colored TV. Contact: P.O. Box 1031, Fort Wayne, Ind.

July 17th, the Green River Valley CB Club will hold the Jamboree at the Central City Fairgrounds. Contact: Glenn Jenkins, 180A1492, Central City, Kentucky.

Cowan CB Ass'n Jamboree and Dance. Dance September 24th, Jamboree, September 25th. Further info contact: O. W. Clawson, Box 38, Cowan, Indiana.

The Cape Canaveral CB Club will sponsor their 3rd Annual Florida National CB Jamboree, August 12th, 13th and 14th. Events will consist of special cape and mila tours, water ski show, dance and chicken dinner. Many dealers. For further info contact: P.O. Box 1195, Cocoa Beach, Florida.

Morgan County CB Jamboree, 3rd Annual Jamboree sponsored by the Morgan County CB Radio Club, June 19th at National Guard Armory, State Road 252, Martinsville, Indiana. Contact: P.O. Box 533, Martinsville, Indiana 46151.

3rd Annual Great Plains CB Radio Convention at the Fairgrounds in Sioux Falls, South Dakota, June 18th and 19th. The event is sponsored by the Sioux Empire Citizens Communications Ass'n. Contact: 3013 East 18th St., Sioux Falls, S. D.

3rd Annual State of New Hampshire Rally sponsored by the Granite State CB Radio Club, June 5th at Gunstock, Belknap Recreation Area, Gilford, N. H. Contact: Box 503, Laconia, N. H.

The Bergen County Citizens Banders of Fairlawn, will hold their annual Jamboree, August 14th at Sun Dance Lodge, Route 46, just off Route 23 circle, Fairfield, New Jersey. Jamboree Chairman again this year is Lee Janow. More info coming.

The 3rd Annual Tri-State CB Jamboree will be held Sunday, July 17th at Franklin County Coliseum, Russellville, Ala. The event is sponsored by the Franklin County Rescue Squad. Contact Norris L. Moore, 110 Marlin St., Russellville, Ala.

The Northern Berkshire Emergency Communications Club will hold their Jamboree, July 10th, Wenzels Grove, Spring Road, Adams, Mass. Jamboree control on channel 9. Rain or shine. Contact: A.P.R.E. M. J. LaVersa, Sr., 36 Marietta St., North Adams, Mass.

Western Mass REACT will hold their annual Jamboree, July 24th at Amvets Hall, 754 Montgomery St., Chicopee Falls, Mass. Jamboree control, channel 9. Contact: President Lawrence Stebbins, 220 Arcade St., Chicopee Falls, Mass.

The KYOVA CB Club will hold their annual CB Jamboree, June 4th and 5th at Camden Park, Route 60, west of Huntington, West Va.

Twin Rivers CB 3rd Annual All State Jamboree at Addison Jamboree Grounds, August 13th and 14th with the usual western programing. Camping facilities available. Contact: Twin Rivers CB Club, P.O. Box 184, Addison, New York.

1st Annual CB Jamboree sponsored by the Tri-State CB Club, Inc., of Hagerstown, Md., June 19th, Leitersburg Grange Hall, 6 miles northeast of Hagerstown on Route 60. Monitor channel 11. Contact: Tri State CB Club, 1107 Corbett Street, Hagerstown, Md.

1966 Jamboree. A tentative date has been set for the 2nd annual Jamboree of the Western New York Pioneer CB Ass'n. June 12th, Grand Old Opera in Nashville, Tenn. More info forthcoming.

Coffee Break, sponsored by the Groundhog CB Radio Club, July 30th and 31st, at Groundhog CB Park, Punxsutawney, Penna.

Annual Picnic of the Hambutchers Net. June 19th at City Park, Warsaw, Missouri. Contact: Paul E. Kittleman, 2548 N. Main, Springfield, Mo.

The Central New Hampshire 1st Annual CB Jamboree will be held August 28th, State National Guard Armory, Route 202, East Concord, N. H. Monitor channels 9 and 11. Contact: James Hall, 41 McKee Dr., Concord, N. H.

The 2nd Annual Jamboree of the Yankee Watters CB Club will be held, June 19th, Caledonia County Fairgrounds, Lyndonville, Vermont. Contact: Robert E. Smith, KKA5602, Barton, Vermont.

Evansville Citizens Radio League Jamboree, Sunday, August 7th, Rural Youth Center, 7 miles north of Evansville, Indiana. Grand prize: color TV. Contact: Carl A. Arvin, R.R. 1, Box 227, Evansville, Ind. 47712.

York CB Assistance Club will hold their Jamboree, June 25th and 26th. More info forthcoming.

2nd Annual West Alabama CB Jamboree, Sunday, May 22nd, Rosedale Community Center in Tuscaloosa, Ala. Monitor channel 11. Contact: Tuscaloosa Kilowatts, 4411 13th Street East, Tuscaloosa, Ala.

CB Jamboree, Sunday, June 19th, New London, Missouri Elementary School, sponsored by the Beacon Light CB Radio Club. Grand prize, TV set. Contact: Beacon Light CB Radio Club, 911 Pine Street, Hannibal, Missouri. Monitor channel 12.

3rd Annual Picnic and Jamboree sponsored by the Monmouth County Emergency Aid Network, Sunday, July 31st, Priedaine Club on Route 33, 3 miles east of Freehold, N. J. Monitor channel 11.

3rd Annual CB Rally, Sunday, June 5th at the 4H Building, Washington County Fairgrounds, Washington, Penna. Control channel 9. Contact: Little Washington CB Radio Club, P.O. Box 251, Washington, Penna.

June 11th and 12th, 2nd Annual Texas CB Fair, at the Women's Building, State Fairgrounds, Dallas, Texas. This is an electronics exhibitors fair put on annually by the Texas CB Fair Ass'n, Inc. Contact: President, Paul Corcoran, 3500 Emerald Drive, Mesquite, Texas.

Beaver Valley Citizens Radio Ass'n will hold their Annual Picnic June 5th, Old Economy Park, Ridge Road, Route 989, Ambridge, Pa. Contact: Box 77, Warrendale, Penna.

Central Penna. CB Jamboree, Sunday, July 24th, at Willow Mill Park, 2 miles north of Hogestown, Penna., midway between Harrisburg and Carlisle, Penna., on Route 11. Monitor channel 9. Contact: Jim Kutz, P.O. Box 15, Carlisle, Penna.

3rd Annual Jamboree sponsored by the St. Lawrence Valley CB Ass'n of Northern New York, July 24th, Norfolk Rod and Gun Club Grounds, Norfolk, N. Y. Monitor channel 11. Contact: Merle Putnam, P.O. Box 96, Rennselaer Falls, New York.

All REACT organizations in the State of Illinois are invited

to attend the 1st Statewide REACT Picnic sponsored by the Capital City REACT Team of Springfield, Ill., July 16th and 17th at New Salem State Park, Petersburg, Ill. Contact: Pauline Cater, 1735 S. 2nd Street, Springfield, Ill.

Northeastern-Michigan CB Club, 4th Annual Jamboree, June 18th and 19th, Caro Fairgrounds, Caro, Michigan. Jamboree control monitors channels 9 and 14. Contact: Bill Garza, 2870 Mertz Road, Caro, Michigan.

6th Annual CB Jamboree, June 12th, South Roxanna Dad's Park, Route 111, South Roxanna, Ill. Sponsored by the Circle Radio League. Contact: J. Bladdick, R.R. 1, Box 776R, Granite City, Ill.

Coffee Break, June 5th, North Java Rod and Gun Club, sponsored by the Tri-County CB Rangers, Holland, New York.

8 State CB Jamboree and Communications Show, June 25th and 26th, Mussers Farm, Manchester, Penna. The event is again sponsored by the York CB Ass't Club. Monitor channel 11. Don't forget your QSL's. Contact York CB Ass't Club, Box 814, York, Penna.

2nd Annual Rocky Ford CB Club Picnic-Jamboree, July 3rd, North Baltimore, Ohio City Park. Monitor channel 9. Contact: Carl Matthes, R.R. 1, North Baltimore, Ohio.

Stateline Channel Master CB Club, CB Jamboree, Sunday, September 11, Geriaks Farm, Intervale Road, Stamford, Conn., exit 35 from Merritt Parkway. Contact: P.O. Box 587, Port Chester, N. Y.

3rd Annual Mid-States CB Jamboree, Wayne County 4-H Grounds, Centerville, Indiana, June 12th, sponsored by the Wayne County CB Club, Inc. Contact: Mid States CB Jamboree, 422 South 14th Street, Richmond, Indiana.

South-Western General Radio Ass'n Annual G.R.S. and CB Campout—July 2nd and 3rd, Tillsonburg, Ontario, Canada. Estimated attendance this year, 5,000. This one should be a real blast. Contact: Campout Chairman, Gerald Inch, 283 Talbot Street, St. Thomas, Ontario, Canada.

2nd Annual Midwest Jamboree, at Blackhawk State Park, Rock Island, Illinois, July 3rd. The event is sponsored jointly by the Jam-Com-Inc., and The Iowa-Illinois CB Club. Contact: Jam-Com-Inc., Box G, Silvis, Ill.

Heart of America CB Jamboree, June 18th and 19th at Wyandotte County Fairgrounds, 98th and State Ave., Kansas City, Kansas. Contact: Heart of America CB Radio Ass'n, % Iris Bost, 4010 McGee, Kansas City, Kansas.

June 26th, the 5 Watters of Lansing, Michigan will sponsor their 4th Annual Jamboree at 119th Field Artillery Armory at Saginaw and Marshall Street, Lansing, Michigan. Contact:

Lewis Hill, 619 Chilson Ave., Lansing, Michigan.

The 2nd Annual Jamboree of Shiawassee County will be held June 18th and 19th at the County Fairgrounds, Corunna, Michigan. Contact: Frances Sloan, R. No. 2, Williamston, Michigan.

The Mon-Valley CB Radio Club will hold their annual picnic, July 10th at the Croatia Picnic Grounds in Pricedale, Penna. Contact: Secretary, Mrs. Lorraine Johns, Box 1, Monessen, Penna.

The Troy Area CB Radio Club, Inc. will hold 2nd Annual Donkey Ball Game and CB Field Day, Sunday, August 14th, beginning 12 noon. The event will be held on Williams Road, off Route 4, Troy, New York. Monitor channel 9.

5th Annual Sedalia CB Radio Jubilee, June 19th, Agriculture Building at the Missouri State Fairgrounds. Contact: Committee Chairman, Wright Rank, P.O. Box 171, Sedalia, Missouri.

Knox County 10-4 Club Inc., will hold their CB Radio Jamboree, July 2nd and 3rd, Chilhowee Park, Knoxville, Tenn. Monitor channel 9 and 11. Contact: Knox County 10-4 Club, Inc., P.O. Box 2172, Knoxville, Tenn.

Annual get-together, Sunday, July 10th at Victory Lake in Fremont, Nebraska. The event will be sponsored by the Greater Omaha CB Radio Club. Contact: Mel Trimmer, 17Q-1212, Malvern, Iowa.

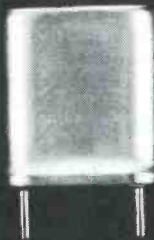
1st CB Jamboree, June 25th and 26th, City of Tampa, Florida, sponsored by the Tampa CB Radio Club, P.O. Box 9151, Tampa, Fla. Monitor channel 9. Contact: Chick Howard.

KYOVA CB Radio Jamboree at Camden Park, Route 60, West Huntington, W. Va., June 4th and 5th. 2 great prizes, plus many, many others. Contact: Little Willie, 2713½ Emmons Ave., Huntington, W. Va.

Cayuga Lake REACT 1966 Jamboree, June 25th and 26th, Carnival Grounds, Route 34B, South Lansing, New York. Monitor channel 9. Contact: Cayuga REACT Team Headquarters, Box 91, South Lansing, New York.

The Bergen County CB'ers of Fairlawn will hold their Annual Jamboree, August 14th at Sun Dance Lodge, Route 46, just off Route 23 circle, Fairfield, N. J. Jamboree chairman is Lee Janow. This should again be a real blast.

United Citizens Band Radio Ass'n Jamboree, Sunset Park, Alliance, Ohio, June 18th and 19th. Saturday entertainment, food and refreshments all days. Rain or Shine. Monitor channel 9. Contact: U.C.B.R.A., Box 571, Alliance, Ohio.



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THE SWL SHACK

BEST BETS FOR LISTENERS ON THE DX BANDS by RICK SLATTERY



Hank Billings, KHA9012, Sublette, Ill., just got interested in the DX'ing aspect of radio. Here's a photo of the monitoring post he has set up. Centers around a Lafayette HA-230.

All you fellows out there using NC-183D (National) receivers are invited to contact Francis R. Copeland, 203 Lafayette Road, Lot #8, North Hampton, N. H. He's had some great results with his and would like to compare notes with others.

Michael Hoier of Eau Claire, Wisc., took the hint from the March issue of S9 and looked over the Civil Air Patrol frequencies. Some of his loggings include stations in the following states: W. Va., Wisc., Minn., Mich., Nebr., Ind., Ill., Iowa, Ohio. His kilocycle killer is a Lloyds Model TM-939.

Ted White, New Miami, Ohio, took a look at the 20 meter Ham band and came up with HR4DHS, YV5NZ, VE0NG/MM, KL7ECO, TC9EP. Fifteen meters produced XE2BB0 and CO8RA.

Even Tom Kneitel, who I seem to recall is connected with S9 (and who is sometimes known as K2AES on the Ham bands), sent in a logging this month. Tom reports hearing station NSSAM operating on 143.82 mc/s. This was a Naval aircraft during a special test, probably getting ready for Armed Forces Day (May 21). Uncle Tom (that's what they call him in Electronics Illustrated—and have you read some of those nasty things he says there) says that he has been tinkering around the bands with a Lafayette HA-225 receiver and has had good results.

Calling all Bob Wielands! Yup, in February we ran a shack photo sent in by Bob Wieland. Shortly after the issue appeared we received a letter from another reader with the same handle, this one from 510 12th Street North, Virginia, Minn. The second one wanted the address of the first one, but we had already lost it. Anyway, will the first one please get in touch with the second one.

Terry Henry, Keene, N. H. sends in data on the *Deutsche Welle*, Cologne, W. Germany, schedule to North America. To the east coast: 6075/9640 kc/s at 2030 EST, 9605/11905 kc/s at 0545 EST, 6145/9735/11925 kc/s at 1550 EST. To west coast on 6145/9735 at 0000 EST, 9675/11795/11925 kc/s at 1010 EST.

Steve Jones, KLO0519, Lawrenceburg, Ky., sent in his usual excellent report. Among the unusual listing for which Steve is becoming famous are TG9AG and TG9BM in Guatemala both heard on 10 meters—WOW that's been a dead duck for years. Looks like the long haul skip is on the way back, and when 10 meters opens up, so does CB! On the CW bands, Steve heard KKN50 on 6945 kc/s calling KWX72. I have heard this bird too, but measured the frequency as 6954 kc/s. Uncle Tom says that KKN50 is in Washington, D.C., somewhere the Pentagon—his guess as to the operating agency is a bit far out so I won't print it here.



Here's the SWL shack of Mike Murphy, KMM-0243, Chattanooga, Tenn. His receiver is a Hallicrafters S-20R, and that goes back to the late 1930's. On the S-20R he nabbed a telephone

Continued on page 80

CB CHIT-CHAT

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

Address correspondence to:

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

A.P.R.E. BULLETIN BOARD

New appointments this month to the A.P.R.E. staff include: Bud Grandchamp, KBC-8556, 201 Park Ave., Cranston #5, Rhode Island; Raymond C. Zummak, 321 Norma, Evansdale, Iowa; Jerry Loper, 112½ East Ocean Ave., Lompoc, California; Neil Davy, 4490 Lasalle Blvd., Verdun 19, Quebec, Canada.



Among the new members to our A.P.R.E. Staff for the month of March, Southern Area, is Laurence (Larry) L. Kirk, KD11690.

Larry has been a very active member in the West Coast Mobile-Marine Patrol for three years and carries the rank of captain. The West Coast Mobile-Marine Patrol has to its credit over 10,000 hours by its club members. Such includes: rescue and search, First Aid treatment to accident victims, setting up road blocks to aid the Sheriff concerning stolen cars, escaped convicts, and the investigation of accidents.

The West Coast Mobile-Marine Patrol is one of the most unusual CB Clubs in the Southern Area. Its members are uniformed and tie in their activities on weekends and holidays with the Sheriff's Department, Florida Highway Patrol, and local authorities.

In addition to the West Coast Mobile-Marine Patrol, Larry is a member of the Sunshine Citizen Band Radio Club Incorporated; and is an active contributor to its club paper.

Larry attended the University of Pittsburgh for two years. Journalism and Accounting were his majors. Financial difficulties ended his college education prematurely.

His Journalistic background includes: writer for the Stars and Stripes during World War II; Editor for Toastmasters International Journal, a public speaking club paper; The Crusader; Club paper, The 5-Watter News; Pinellas County Veteran News; St. Petersburg Evening Independent; St. Petersburg Times; Saturday Evening Post; and the Red Book.

Larry, and his wife May, with their 19 month old daughter Laurie, live at 431 Madison Street South, St. Petersburg, Florida.

WESTERN

Information received by this A.P.R.E. (KKY0299), is that the newly organized Burbank Coffee Break Association held its first official "Coffee Break" at the Smoke House in Burbank. Attendance was greater than an-

anticipated, running into the hundreds, that every inch of space in the establishment was occupied. The West Valley REACT Mobile Team provided traffic direction in and around the area.

The apparent success of the venture insures that another "Coffee Break" will be held on February 27th, same place, same time, with more room available.

Recently, this A.P.R.E. visited with Ray Moser, Sr., KKK7881, of Canoga Park, who is a member of the West Valley REACT group and obtained some current information on the group's activities and its officers.

At present, the group is headed by Ray Scott, KKK-5943, Pres.; Brice Fox, KOK0454, V. Pres.; Candy Becker (XYL-Don), KKK3519, Secretary; Don Becker, KKK3519, Membership Chairman; and Frank Farquharson, KMX1331, Public Relations Officer. The group monitors Channel 9.

Ray is quite active in the REACT sponsored "Soap for Vietnam" drive. He also is a life member International Association of Auxiliary Police and National Rifle Association.

Desert Sand Citizen's Band Radio Club, Inc., 10/20 California City, California. On February 23, 1966 the efforts of the "Desert Sands Citizen's Band Radio Club, Inc. were utilized to return a parachute to the General Dynamics Corp. on Edwards A.F.B. whose field office at their Convair facility is located at this flight test center. The parachute is used on the new Convair F-111 in the constant improvement, and the research and development being conducted at the Edwards A.F.B. This unique parachute was utilized as a sin chute and incorporated an explosive devise that could be used for emergency separation, and activated at the will of the pilot. The General Dynamics people were grateful for its return, as their main concern was the hazard involved with the explosive devise which could have severely injured or killed someone who may have found the chute and not have been familiar with the devise.

Mr. G. C. Tate of the General Dynamics, said the return of the chute and the help given by the Desert Sand Citizen's Radio Club, Inc., was not only appreciated by his company but that considerable savings to the government also resulted from prompt and reliable action.

On January 15, representatives of nine New Mexico CB clubs and organizations met in Roswell to discuss the possibility of forming a statewide CB organization and a statewide emergency net. The meeting also included the exchange of ideas on a wide range of subjects including the operation of local emergency nets, local REACT and HELP programs, programs for meetings, social activities, 10 codes and public service activities.

Delegates to this meeting included: Bill Bailes, KNE-0118, Vice-President, Lea County CB Radio Club; Critt Coburn, KLE2258, President, Las Cruces CB Radio Club; Frank Bitela, KEH6954, Secretary-Treasurer, Roswell CB Patrol; Tom Gregory, KNE0159, Vice-President, Atomic City CB Radio Club, Los Alamos; Harold Hanes, KGC0834, President, Eddy County Mountain-Desert ResQ Squad, Carlsbad; Ed Housewright, KKK8212, President, Roswell Emergency Radio Patrol; J. R. Jolley, KLE2142, President, Albuquerque Citizens Radio Ass'n.; Lynn Miller, KLE2442, President, Santa Fe CB Radio Club; Bob Abbott, KGC1619, President, Missile Valley CB Radio Club, Alamogordo; and Eulis Rowden, KGD0276, Vice-President, Roswell Emergency Radio Patrol.

It was agreed that another meeting would be held in Roswell on February 12 to form the state organization and the state emergency net. Each organization agreed to bring additional delegates to help with the committee work.

At the February 12 meeting, which was attended by 20 delegates, a short general session was held, com-



Officers of the CB 7-11 Radio Ass'n of Spokane, Wash- ington.

mittee appointments were made, and the tasks assigned to each committee were outlined. Committee meetings were then held to complete the work for the formation of the state organization. New committees were appointed for the afternoon session to set up the state emergency net.

Work completed during the day included the preparation of by-laws, membership requirements, and a statewide general 10 code to be used by all member organizations. This 10 code was based on the S9 10 code with some additions felt to be pertinent by the committee. A state emblem was designed for decals, jacket patches, etc., and it was decided that the organization would be called the New Mexico CB Radio Association.

Coverage maps were drawn up for the emergency net, an emergency channel was selected, and an emergency 10 code was drawn up. Because of the size of the state, the organizational committee divided it up into areas of control with central control headquarters to be located at Santa Fe, the State Capitol.

An election was held and the following officers were elected to serve until the annual meeting in April 1967: President, Lynn Miller, KLE2442, Santa Fe CB Radio Club; 1st Vice-President, Critt Coburn, KLE2258, Las Cruces CB Radio Club; 2nd Vice-President, Harold Hanes, KGC0834, Eddy County Mountain-Desert Resq Squad, Carlsbad; Secretary, Lucy Woodwell, KGD0271, Atomic City CB Radio Club, Los Alamos; and Treasurer, John Goff, KGB1029, Albuquerque Citizens Radio Association.

Other delegates attending this meeting included: Ed Housewright, KXX8212, Roswell Emergency Radio Patrol; Don Wilkins, KLE2534, Las Cruces CB Radio Club; L. T. Shipley, KLE2778 and Mrs. Lee Sadler, KNE0415, Eddy County Mountain-Desert Resq Squad; Dave Woodwell, KGD0271, Atomic City CB Radio Club, Los Alamos; Bob Abbott, KGC1619, and Glenn Lanphear, KNE1702, Missile Valley CB Radio Club, Alamogordo; Priscilla Miller, KLE2442, Santa Fe CB Radio Club; J. R. Jolley, KLE2142, Albuquerque Citizens Radio Association; Bruce Vaughan, KLE2336, Santa Fe CB Radio Club; Bill Bailes, KNE0118, and James Parrish, KNE0135, Lea County CB Radio Club, Hobbs; Bill Ball, KGC2337, and Frank Bitela, KEH6954, Roswell CB Patrol; and Eulis Rowden, KGD0276, Roswell Emergency Radio Patrol.

Desert Sand Citizen's Radio Club, Inc., 10/20 California City, California. Time: 1643 hours, March 6, 1966. J. W. Harris, KXX9923 answered a call from KMX7571 10/20 two miles up Mesquite Canyon, a distance of approximately 22 miles. The nature of the call was that KMX7571 had come across a man who had been shot through the head, but was still alive at that time. After requesting KMX7571 to stand-by, KXX9923 switched from Channel 9 to 13 for a 10/33 to the Kern County sheriff's office giving them channel information and as much details as was available at that time. The sheriff's mobile unit was unable to contact KMX7571 and KXX9923 then acted as 10/5 between all units.

The word was spread so efficiently and messages handled so well that in a matter of minutes the California Highway Patrol, ambulance, two sheriff's cars and two other members of the club arrived at the scene.

It is without question that but for C.R. Radio and the efficient and sensible use of same that this man's life was able to be saved.

Word was received by this A.P.R.E., from Zene M. Kempf, KFA9774 of Prescott, Arizona, that ALERT has achieved another milestone in its trend to serve the community of Prescott and the law enforcement official of Yavapai County.

It has been noted officially by legal notice that Arizona Local Emergency Radio Team (ALERT) has been given the seal of Incorporation in the State of Arizona and is a duly recognized non-profit organization under the Corporate laws of that state. Hereafter to be known as Arizona Local Emergency Radio Team (ALERT), Inc.

Its first officers are: Zene M. Kempf, KFA9774, President and Director; Victor Hone, KEJ2973, Vice President and Director; Jake Bender, KEJ3294, Secretary-Treasurer and Director. Date of Incorporation, March 28, 1966.

Application for organizational call sign has been submitted to FCC which will enable this organization to serve the public better.

ATLANTIC

On the weekend in the latter part of January it snowed and snowed and then on that Sunday the wind blew and the snow piled up and drifts measured 10 to 15 feet in some areas around Hagerstown, Maryland.

So the blizzard of 66 was here and Hagerstown was an isolated area, all roads in and out of the city were either closed or going closed due to drifting. Route 40 Eastbound was closed to all traffic, travelers were routed back into Hagerstown's Public Square, which at that time was the only snow cleaned area. All the parking lots and large areas were full of snow. All hotels filled to overflowing and then the need came: What to do with the rest of the travelers who kept coming into town? Arrangements were made to open The Masonic Temple, The Army Reserve Center and The Catholic Church area and equip these areas with the necessary bedding, food and children's items. In close cooperation with the City, County and State Police and the local Civil Defense team, was The REACT Radio Patrol Inc. of Hagerstown, Maryland. The monitor station commanded by Mrs. Fay Benedict, KCG2221 or REACT Control, KMI2340 responded with members and mobile units to assist in anyway possible. Two truck drivers who had to leave their trucks on South Mountain due to drifting snow were retrieved by REACT members and were taken to the REACT monitor station. Mobile units of both members and non-members assisted in securing equipment stored in CB warehouses needed for the temporary bedding operations that were being set up. Mrs. Benedict logged as many calls as possible, but with two phones, a State Police monitor, a County Roads monitor and a CB rig, things were forgotten. An estimated 700 to 800 calls were received regarding weather, roads, CD, police, snow, snow, and more snow. Our hats off to the members of The REACT Radio Patrol who willingly give their time and mobile to press onto the snow banks to assist. Also to Gene, who is not a member, but saw a chance to be of service and delivered some vital items for us. Members can be proud of the wonderful monitor service provided by Mrs. Benedict who went without sleep for over a 30 hour period so she could keep the radios running and the team functioning. All of us in the Western Maryland area will remember the blizzard of 66 and the service provided by Citizen Band Radio. Memberships are open to qualified personnel, stop by 914 Sorbett St. and talk with our monitor. 73's.

"Radio Bug" in Hospital Has Equipment at Bedside. Alfred Cloud didn't know a soul in Lancaster County when he was admitted to Osteopathic Hospital last Thursday.

Now he has dozens of friends, including 30 "eyeballs." Which is rather amazing, considering the fact that Cloud is confined to the isolation ward with multiple sclerosis and a contagious fungus disease.

The 37-year-old North East, Md., father of three and grandfather of one, has never read Dale Carnegie.

Two-Way Radio—He makes his friends through his hobby of being a "CB'er." That is, he operates a citizen's band two-way radio.

Since entering the hospital Cloud has contacted scores of local citizen band "bugs." "Eyeballs," he explains, is the CB'ers term for fellow operators who have seen each other in person.

Cloud's "eyeballs" came to Osteopathic and con-

versed with him from the hallway adjoining his room, being careful to keep the required distance away.

With the \$230 worth of equipment—transceiver, microphone, and small antenna—he now has set up in his room. Cloud can converse with fellow CB'ers within a 32-mile radius.

Through their friendly day-to-day conversations with Cloud, three local citizen band operators, whom he knows only as Jerry, Jim, and Uncle Johnny, have learned that North East is 23 miles outside Cloud's current transmitting and receiving range.

They have offered to donate a larger aerial so that Cloud can converse with his wife and family on the transceiver in the family car.

Hospital officials were quick to approve the idea of a new antenna, which probably will be placed on the building's roof.

"Folks in Lancaster are really friendly. I didn't know any one before I came into the hospital last week. Everybody here has been real helpful, and I've talked to about 75 people on my radio.

"There sure are a lot of nice people around here," Cloud offers.

A chauffeur and ground hand for the Conowingo Power and Light Co. in Elkton, Cloud became interested in citizen's band radios about two years ago after talking on friends' sets.

He obtained his own equipment and his operator's license last September. Shortly thereafter Cloud and 15 fellow CB'ers formed the Cecil County Emergency Team.

The CCET has at least one member "tuned in" and acting as coordinator 24-hours a day. If a second member, for example, comes upon a stranded motorist, he calls the coordinator, who in turn dispatches a third member to the scene with the needed gasoline or auto part.

Assist Police—The team also assisted State Police during the recent train wreck near Elkton.

Cloud doesn't know how long he'll be in the hospital, but, he says: "If it wasn't for that radio I'd go crazy."

Cloud has been in and out of four hospitals for a total of 44 weeks since he first experienced severe leg pains several years ago.

The Tri-County CB Club of Tryon was organized in June 1964 is located in the famous Thermal Belt of North Carolina. Newly elected officers are: President, Carl Edney, KKM9109; Vice-President, Jim Kuykendall, KKN1298; Treasurer, Herbert Camp, KKM7524 and Secretary, Mitzi Lindsey, KMM1368.

Recently the club designed a Disaster Plan in case of enemy attack or any local emergency. As a result of the drill St. Luke's Hospital, McFarland's Ambulance Service and Smith's Garage in Tryon have all acquired radios and stand by daily to assist in any kind of emergency.

The ever growing CB radio groups are becoming more and more beneficial to the communities of our country every day. Such is the case of the new emergency squad organized in our area. This group is called the Shelby County REACT Team. It was chartered by the national headquarters on January 4th, 1966. At the present time the membership consists of fifteen (15) members, but hopes to have every CB'er in the county as a member as the unit begins to grow. The only membership requirement is you must have a strong interest in CB and a desire to help the citizens of your community.

This unit is supported and sponsored by the Sheriff of Shelby County, C. P. Walker, who is a member of the team. The officers are: Director, Paul Perry, KOM-0459; Ass't Director, Johnny Mathis, KKN1401; Secretary-Treasurer, Larry Revis, KKN0446.

The purpose of REACT in Shelby County is to provide emergency communications with REACT headquarters and local authorities when help is needed for any and all types of situations.

A 37-year old North East, father of three and grandfather of one, Alfred Cloud, who recently was in the Lancaster Osteopathic Hospital, knew nobody when he entered the hospital, but now he has dozens of friends.

Although confined to the isolation ward with multiple sclerosis and a contagious fungus disease, he was able to make friends through his hobby of being a citizen's band two-way radio operator.

With the \$230 worth of equipment—transceiver, microphone, and small antenna—he set up in his room, Cloud conversed with fellow operators within a 32-mile radius.

Hospital officials were quick to approve an idea to have a new antenna placed on the roof, so that Cloud



Pictured above are executives of nine New Mexico CB organizations meeting in Roswell to discuss the formation of a state organization. (L. to R.) Frank Bitela, KEH6954, Roswell CB Radio Patrol; Eulis Rowden, KGD-0276, Roswell Emergency Patrol; Bill Bailes, KNE0118, Lea County CB Radio Club, Hobbs; Lynn Miller, KLE-2442, Santa Fe CB Radio Club; Critt Coburn, KLE2258, Las Cruces CB Radio Club; J. R. Jolley, KLE2142, Albuquerque Citizens Radio Association; Tom Gregory, KNE-0159, Atomic City CB Radio Club, Alamogordo; Harold Hanes, KGC0834, Eddy County Mountain-Desert ResQ Squad, Carlsbad.

could converse with his wife and family. The antenna was a Wonder Shaft and was made by a South Carolina firm, Columbia Products. James Halford, Lancaster distributor, installed the aerial, and the hospital intends to let any future patients, who are citizen band operators, to use the equipment.

A chauffeur and ground hand for the Conowingo Power and Light Co. in Elkton, Ind., Cloud obtained his own equipment and his operator's license last September. Shortly thereafter he and 15 fellow operators formed the County Emergency Team, which assists State Police in accidents, strander, and other cases of emergency.

CENTRAL

The Rib Mountain CB Radio Club of Wausau, Wisconsin was formed in April of 1965. At present it has about forty members, and new ones are coming all the time. Present officers are: President, Wayne Schoepke, KNF1553; Vice President, Clark Everest, KGF1092; Secretary, Lewis McGuire, KLF1246; Treasurer, Roger Miller, KNF2020; Operations Officer, Fred Fisher, KNF-0107; Public Relations Officer, Gale Volk, KLF0901; Police Director, Chuck Schulz, KLF3433; Board of Directors, Bill Manuel, KGF0465; Norm Carpenter, KLF2010, and Elmer Miller, KLF2892.

The club has its headquarters at the Marathon County Historical Society and meets the last Tuesday of each month. The club has begun working with the Marathon County Sheriff's Dept. to coordinate its operations so that in the case of an emergency they will be working hand in hand. The club will also be working with local Sea Scouts so that they may also help in an emergency.

The club draws its members from a 30 mile radius of Wausau and at the present time is working on setting up a 24 hour monitor on the top of Rib Mountain. The radio will be operated by a local TV station, plus the club will cover a 75 mile radius.

Many of the members of the club are, volunteer firemen, auxiliary police and first aid people. The club has started a program in which all mobile units will be equipped with emergency warning lights or flares so that in the case of an emergency help can be given. Each mobile unit has a sticker in the window signifying that the vehicle has emergency communications equipment and the operator offers help in the case of an emergency.

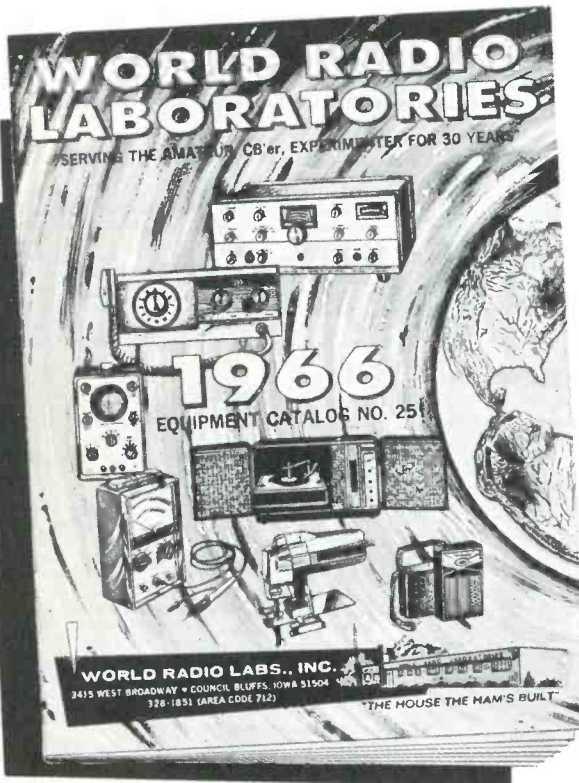
The club may at a future date move to the Marathon County Sheriff's Office after the building has been enlarged to accommodate the Rib Mountain CB Radio Club.

The club has started to publish a club paper every two months and will send them to other clubs who return one. The club monitors channel 9 and anyone coming through the area can get assistance any time.

At a recent coffee break of the Cass Area CB Club of Virginia, Ill., the following officers were elected:

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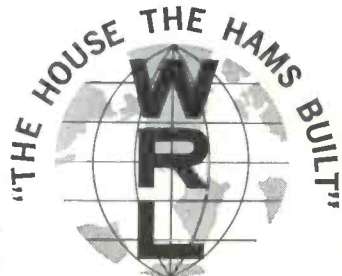
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President, Louis Horton, KMC2786; Vice President, Darrel Rings, KLJ0944; Secretary, Shirley Lanner, KLJ1953; Treasurer, Norman Leonard, KNJ6023. The group meets the 4th Tuesday of the month at Rossi Restaurant. Monitoring channel 11.

Polio Victim Hears Sister's Rites Via Radio

WELDON—Miss Judy Mix, confined to an iron lung at her home here, was able to "attend" the funeral last Saturday of her sister, Miss Linda Mix, thanks to a radio hookup set up by her friends.

Linda Mix was killed Jan. 12 in an accident which also took the lives of two of her friends.

Judy, virtually cut off from the world outside the home of her parents, Mr. and Mrs. Elmer Mix, could not attend the funeral service at the Weldon Methodist Church. Then someone thought of the radio idea—Judy herself keeps up many contacts via her own citizen's band radio.

Friends moved in to help and Judy ended up missing very little of the service.

Two Bloomington men, Harold Bathe, 2613 Ridge Road, and Richard Tarter, 1909 Croxton, hooked up a two-way radio in the church and placed a microphone on the podium which the minister used.

Roy Kleven of Weldon manned the hookup at the Mix home.

Judy reported later that "it really meant a lot to me" and said she heard all the music and the funeral sermon. She said she could even hear those attending the church service as they walked up and down the aisles and occasionally heard a cough.

Mr. Bathe and Mr. Tarter used walkie-talkies at the cemetery and Judy was able to hear even that portion of her sister's rites.

Those who helped with the radio hookup said they felt certain this was the first time citizen's band radios had been put to such use in Illinois and said they were quite pleased they'd been able to help Judy.

Judy, now 24, had polio when she was 12 and lost the use of all the muscles below her neck. A seventh grader at the time she suffered the crippling attack, she was able to finish grade school and high school classes with the help of a tutor. She took up radio as a hobby following her graduation from high school.

REACT of Clark County, Ohio, Inc. has entered into communications project with the Ohio State Patrol and upon the authority of Capt. C. E. Lovejoy of the Columbus office and under the direction of C. L. Cavins and Sgt. James Kirkendall, the Executive Committee of REACT has installed a Citizens' Band transceiver in the Springfield Post.

Mr. Cavins is Chief Technician with the State Highway Patrol and is stationed in Pigua, and Sgt. Kirkendall is in charge of the Springfield post. Meetings and discussion began last September with the Executive Committee: Joseph D. Elliott, Arthur Stone, Dewain Ishman, Max E. Nave and John Patton and the patrol representatives and now as a result, the installation has been made.

The growth of interstate and limited access highways has encouraged the need for fast communications in order to bring immediate aid to motorists and already there are CB radios located in several state patrol posts in conjunction with local volunteer radio groups such as REACT. Over 2 million CB units are in use over the country and drivers with radios in their cars can call for immediate aid for themselves, as well as others they may find in trouble along the highway. Now with CB radios being located in the highway patrol posts, motorists will have even more assurance of emergency aid. In some localities these radios are in service in police, sheriff, and fire departments also. In still other localities, only volunteers monitor the Citizens Band, and provide 24 hour coverage for emergency assistance.

In the Clark County area, the local REACT group monitors channel 9 and the patrol post will monitor channel 9 also, 24 hours a day. The post will answer calls directed to its call number KNN3083 and will intercept REACT calls pertaining to OSP assistance.

Newly organized is the Crittenden County CD Radio Rescue of Marion, Ky. who elected the following officers: President, Alvin York; Vice President, Raymond York; Secretary, Mrs. Geneva Bolen; Treasurer, Ray Hopkins. The Club meets every 3rd Monday at 7:00 p.m.

NORTHERN

Scheduled once again to make his usual ten thousand mile jaunt around the United States attending as many jamborees as possible this year is S. Russell, better known through the airwaves as the "Rambling Red-

Skin" of 514—62nd St., West New York, N. J. Originating in the 2 call area and traveling as far west as Indiana and from North Carolina to the Canadian border, he will be showing his new and original CB goodies that have brought him in the eyes of dealers and clubs throughout the country. Many of his items have also been featured in S9 Magazine as well as other publicized in "Mr. Mum" who is seen in the comics throughout the U.S., plus having had the honor of having a child named after him by a member of the Batavia Citizen Banders, of Batavia, N. Y. The Rambling Redskin gains the reputation of having originated some of the most unique and most original CB goodies in this country and also seems to be able to leave Jamborees in one manner or another that keeps the folks in every area always hoping for his return.

The United Citizens Band Radio Association have a coffee hour every Sunday at the Riverside Sportsman's Club in Riverside, Rhode Island. Every week between the hours of 10:30 a.m. and 12:30 p.m., eighty to ninety fun loving CB'ers get together for coffee and doughnuts, and catch up on the latest news from the CB Grapevine. Honored guests such as Mayor Al Perry, Mayor of East Providence have attended. Local electronics firms send representatives to demonstrate new equipment and answer any questions. Officers are: President, Art Squicciarino, KMA0665; Vice-President, Ray Bourrassa, KMA4175; Treasurer, Mel Klien, KBE-0362; Secretary, Don Bilodeau, KKB3068; and Air Officer, Dick Schriber, KMA0858.

The Bear Mountain CB Radio Association recently elected new officers for 1966. Those elected were: Jim Yuille, KMD2934, President; Walter Prescott, KKE-0318, Vice President; Lois Jamison, KKD8113, Secretary; Theresa Hogan, KKD4523, Treasurer; and Leo Hogan, KB18209; Connie Hogan, KKD4523-2; Charles Jamison, KKD8113-2; Irma Prescott, KKE0318, as Board of Directors. Also appointed Communications Chief was Jan Medallis, KMD3462, and Sergeant-of-Arms, Jack Hogan, KKD4523-2.

This club has been in existence for a year and meets the third Saturday night of each month at The Knutson House Restaurant, Route 9-W, Jones Point, Tompkins Cove, New York at 8:00 p.m. Guests are always welcome.

This club has been organized around the family nature as a whole, but what must be noted here is that the membership is also just as interested in any single membership as well. The club has done this to make it possible for both husband and wife to attend the meetings together by being able to bring the children along. In doing it this way the club intends to have a cadet group for the children so they may be able to take part as well.

One October night, Mrs. Mary Ann Darigan, KMA-0217, President, John F. Kennedy REACT in Providence, received a call from Mr. Elmer Stanley, KBC-6087, pleading if anyone could donate "B Negative" blood for his sister, Mrs. Joyce Stanley Briggs. Mrs. Darigan called the St. Joseph's Hospital in Rhode Island and found that it was a rare type blood and was needed desperately. She then immediately called her REACT Team of about twenty monitors, to transmit this vitally important message over all the twenty-three channels. With TWO HOURS, twenty-seven blood donors arrived at the hospital from the REACT plea. Only three of the twenty-seven were used due to a special coagulant needed in this type of blood.

A new club has been formed in the Rhode Island area. C.O.M.E.T., Cranston Operated Mobile Emergency Team, was founded early in November, '65, as the first ALL emergency club in this area. President, Vincent Sheehan, was stranded with a dead battery when an out of state motorist came upon him. This mobile unit was completely equipped with all emergency gear needed for any and all emergencies. Immediately, Mr. Sheehan started plans for C.O.M.E.T., and within three months had it rolling. Now, C.O.M.E.T. has an increasing membership with five emergency vehicles on the road at the present time. Officers are: President, Vincent Sheehan, KMA0694; Radio Control Operator, Bud Grandchamp, KBC8556; Treasurer, Diane Grandchamp, KBD2369; and Secretary, James Wilcox, KKB3306.

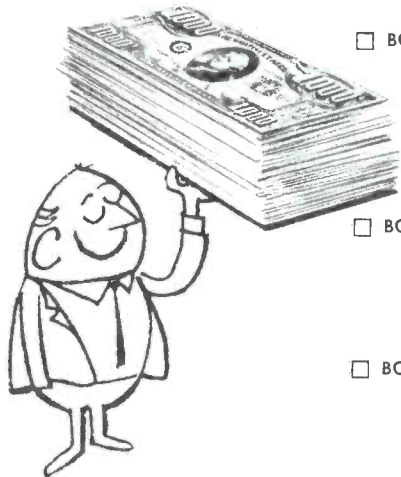
C.O.M.E.T.'s first major emergency was a search in East Greenwich waters for a man presumed drowned by falling from his fishing vessel. The search ended tragically when the man's body was found three days later.

C.O.M.E.T. also works in close association with John F. Kennedy REACT, headed by Mrs. Mary Ann Darigan, KMA0217.

READERS' BONANZA!

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



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

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BONUS ITEM #3 — S9's CB Interference Manual, a complete handbook covering the elimination of TVI, detection and elimination of power line interference and noise, and CB mobile ignition noise. Everything you need to know, including details of obtaining free TVI high-pass filters. The book sells to non-subscribers for \$1, you can get it FREE.

BONUS ITEM #4 — CB Operator's Guide. Book containing summary of major CB rules and regulations, PLUS glossary of CB words and expressions, PLUS directory of CB channels, PLUS call area map and guide to all current prefixes, PLUS sample CB messages, PLUS 10-Codes, PLUS instructions using REACT and HELP monitors.

BONUS ITEM #5 — Jazzy blue-with-white, red-with-white or black-with-white plastic badge engraved with your callsign. Big 1" high by 3" long. Just the thing for a jamboree or use the pin to stab artificial hearts or your aunt Maud in the clyde. \$1.50 value. Specify color combination.

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The caption in the newspapers a year ago, in January 1965 read: "Area Radio Operators Group Formed to Aid Needy Children." This caption, in essence explains the reason and purpose for forming The Western New York Pioneer CB Association. Its purpose, more specifically is, Charity For Children.

The Pioneer Club is actually the second to be formed in the Lockport, New York area in the past three years. The first was organized in January of 1963 but as membership swelled, some members lost sight of its original purpose and concentrated more on social functions.

To avoid the same thing happening in the Pioneer Club, membership has been limited to 50. In addition, the purpose of the club was carefully explained to each applicant for membership and all applicants had to be approved by the board of directors. The purpose of the club is also spelled out in the by-laws, a copy of which is given to each new member. The club membership rolls are completely filled with one honorary member. Many members are independent businessmen who use two-way radio in the operation of their business. Although the Pioneers are primarily interested in helping children, their services are offered to any charitable organization that seeks aid.

Some of the club activities to date are as follows: In February of 1965 a check for \$100.00 was given to the Rehabilitation Center Fund for Children in Buffalo, N. Y. This worthwhile group seeks aid through an annual Telethon over station WKBW in Buffalo, N. Y.

In April of 1965 a drive to collect clothing for the flood victims in Portland, Oregon netted the club over 3 tons of clothing in two evenings. All collections were turned over to the Salvation Army for distribution.

Easter time finds the club Easter Bunny visiting the area children's homes, giving out baskets full of candy to all the children, including those in the Lockport Memorial Hospital.

On May 30th and 31st, 1965, The Pioneer Radio Group sponsored a real bang-up Jamboree in the Western New York area. This gala event was held at Hayes Park in Lockport, N. Y. and the honored guests of the two days were the children from Saint Ritas and Wyndham Lawn Home for children. They were served a picnic lunch and given free rides and special entertainment

including special celebration for the children who had birthdays that week. The big feature of the Jamboree was continuous free entertainment for the visiting CB'ers, which consisted of Country and Western, Popular, Rock and Roll music, with a different group on the bandstand every hour from 1 p.m. to 1 a.m. both days. All of this wonderful talent was donated by the various groups that participated. It was estimated that over 6,000 CB'ers visited the affair during the two days.

In July of 1965, the city of Lockport, New York celebrated its Centennial with a week long celebration including a giant midway. The Pioneer Radio Club had the distinction of operating a First Aid Tent at the Midway and taking care of traffic control in the area. Club members worked six nights during the week, donating their services.

On Oct. 31st, Halloween, our members were out driving in the City of Lockport to help curb vandalism. A few small incidents were nipped in the bud before they got out of hand.

Each year at Christmas, the club sends out groups to sing carols at the area hospital, Sunshine School for Children, St. Ritas Home for Retarded Children in Erie County, even the Niagara County Jail and the County Infirmary. The Christmas season also sees a special Christmas party for the club members and their families. Last Christmas, the club donated \$50.00 to the Lockport VFW for use at their Children's party. A 19" portable TV set was donated to St. Ritas Home for Retarded Children also.

President Pete Russell, KIC1734 reported at the January meeting the following donations for the month of January 1966. The Hope Fund \$200.00, Salvation Army \$50.00, Rehabilitation Fund \$100.00, for a total of \$350.00.

This February, during the annual Telethon over station WKBW in Buffalo, N. Y. for the Rehabilitation Center Fund For Children of Western New York, sponsored by the Exchange Club of Buffalo; The Pioneer Radio Association had the privilege of representing the Fund Drive in the Lockport, N. Y. area. Mobile units were out picking up pledges which were phoned in to the control point at the Pioneer Headquarters. The drive went so well that the mobile units picked

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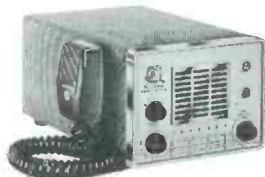
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up over \$3,000.00 and made a club donation of \$100.00 to help the Telethon to an even greater success than that of the previous year. Over \$250.00 were pledged by Western New York residents for this worthy cause.

Regular monthly meetings of the Pioneer Radio Group are held on the last Sunday of each month at the V.F.W. Hall on Caledonia Street in Lockport at 7:00 p.m.

Should you happen to be driving through York, Pa., anytime this summer, or anytime, for that matter, and should have motor trouble, rest assured that help is only minutes away. A Hamden, Conn., family recently was passing through York on their way home from a vacation when they developed car trouble in downtown York. Who should happen by but a local CB'er who inquired as to what their trouble was. The Leslie N. Corey family was then taken to the nearby home of another CB'er while the first continued to get aid for the stranded automobile. It was soon discovered that a replacement part could not be located. However, this did not stop the York CB'ers from continuing to help the Corey family, as they took it upon themselves to make one! After two hours the Corey family was on their way home full of gratitude for becoming stranded in a friendly city like York. Incidentally, Mr. Corey, who had not been too familiar with Citizens Band Radio, promised to investigate the possibility of becoming a CB'er himself. Somewhere in Hamden, Conn., there's a new member of this growing fraternity of Citizens Band Radio operators thanks to the helpfulness and generosity of CB'ers in York, Pa.

A Cranston brother-and-sister team which plays a key role in REACT, the emergency radio network, is sending a stronger signal thanks to donations from more than 150 Citizens' Band operators and other friends.

Buddy Grandchamp, 18, of 201 Park Ave., Cranston, and his sister Diane, 21, were given a new radio set at a surprise party Monday night.

With the new equipment the Grandchamps, who are homebound because of illness, will continue their vigilance in monitoring REACT, which stands for Radio Emergency Citizens Teams. Operating on a Citizens Band emergency channel, REACT relays emergency messages to police.

Buddy and Diane since birth have had congenital amyotonia, a form of muscular dystrophy. Neither can leave the house until the weather becomes warmer. Buddy recently returned from his 36th stay at Rhode Island Hospital.

Yet to thousands of "CB'ers" within the 20-mile radius of the local broadcast channel, the voice and vigilance of Buddy and Diane are ever present. Buddy is even known in Palestine, Texas, to which his voice carried on a freak broadcasting wave "skip" not too long ago.

To some extent local police and fire departments rely on Buddy. Monday night, for example, while doing his stint monitoring the emergency channel, Buddy received a report of an accident in Coventry from a CB'er with a unit in his car. Buddy quickly called Coventry police to tell them of the accident, and it was the department's first notification. Last week Buddy and Diane transmitted six emergency messages to local safety officers.

Buddy and Diane are required to stand by the emergency network for only one hour a day, but Buddy sleeps with his radio set next to his bed and spends most of the day on "duty."

To Buddy and Diane, since they took up Citizens Band radio a year ago, confinement hasn't seemed much of a burden.

Their only problem, up to now, was the limitation of the equipment they were using. "To be perfectly honest, their set was just an old piece of junk," said Robert E. Boudreau, president of REACT.

As a gesture of appreciation, local CB'ers decided to buy Buddy and Diane a new set. Over 150 persons donated to the fund, some of them non-CB'ers like students at Tolman High School in Pawtucket, who contributed out of their lunch money.

And at a surprise party Monday night attended by many Citizens Band radio operators and officials, Buddy and Diane were presented with the new broadcasting equipment.

Buddy suddenly understood the mysterious coded messages he had been hearing in the past few weeks. Everyone on the local band, and on the emergency channel, had been making arrangements for the Christmas surprise and had invented special signals for the purpose.

Buddy is assistant editor of "Call One," the local CB monthly newsletter, and Diane serves as business manager.

So now you won't be surprised at the strength and joy of the signal coming from KBC8556 (as Buddy is

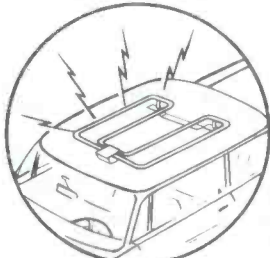
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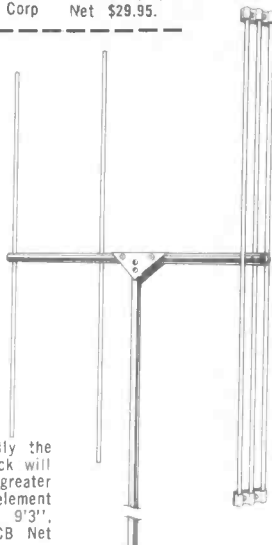
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MODEL DMT 612..... **\$44.50**

best known) and from KBD2369 (Diane's signal number).

The 3rd Annual Jamboree Committee of the Bell City CB Radio Club Officials are: Ted Singleton, KBA2197, General Chairman; Norm Stanchfield, KKA6717, Chairman; Hank Przybylski, KKB4085, Assistant Chairman; Winnie Bridges, KMA6009, Secretary.

The Committee will travel throughout the New England States plus New York and New Jersey States and cover as many of the Jamborees and Coffee Breaks as possible. Any Club wishing us to attend their function and set up our Camper for display, please contact the Secretary of the Jamboree Committee. The Camper that we display is a New 16' Cox Deluxe Camper and it will be given away as first prize at our Jamboree on Oct. 1, and Oct. 2, 1966 at Lake Compounce, Bristol, Conn.

Officers for 1966 of the Conemaugh Valley Communications Ass'n are: President, John Parks, KLP9341; Vice President, Lewis Horner, KLQ2194; Secretary, Louella B. Horner, KNP0459; Treasurer, Tom Cushing, KID8162. Membership is now past the 50 mark and meetings are held the 1st and 3rd Wednesday of the month at 7:00 p.m. The club maintains a control every night from 7:00 p.m. to 10:30 p.m. on channel 11. Club activities are a Halloween patrol for the area where the club is located, also, a dinner was held on the 26th of January and plans are being made to hold a coffee break sometime in June.

By Albert Hofamman—Headquarters for emergency Citizens Band radio communications and for a central monitoring station are being set up in Americus Hotel.

The control center, in Room 137 of the Allentown Hotel at 6th and Hamilton Sts., began as an idea late in 1965 during discussions by about 20 Citizens Band operators from the Lehigh Valley at a meeting at Allentown Works, Western Electric Co.

The group, Lehigh Emergency Monitor Association, will be operated under sanction of the Federal Communications Commission. Its purpose is to provide communications in event of any emergency.

First Step—Establishment of the central station at the Allentown hotel is the first step. The room was donated to LEMA by the hotel owner, Albert Moffa. Harold Koch of Allentown, one of the prime movers for LEMA, noted equipment presently in the control center is on temporary loan from various radio communication enthusiasts and planned round-the-clock operation cannot be established until permanent equipment is installed.

Antennas for the Citizens Band, for amateur transmission and reception and for general receiving facilities have been located on the hotel roof and preliminary tests have proved satisfactory. A range of 100 miles in any direction from the hotel is anticipated.

A cooperative program with LEMA has already been discussed with such groups as area state police, the Lehigh and Northampton County sheriff offices, Civil Air Patrol, Civil Defense and American Automobile Association. Basically LEMA would operate as a clearing house for quick direction of emergency communication.

Various situations have already been aided successfully by CB communication. Such situations include requesting special blood donors or reporting missing persons.

The association believes it can provide part of an answer, too, to the fight against crime in a way already suggested as helpful by police authorities.

LEMA officers, who are, in addition to Koch, Clare Singley, Vice President, David Fisher, Secretary, and Lawrence Drumtra, Treasurer, recognize such misuse has been made of radio communications. They note extensive information is requested of everyone desiring to be an active member. They also point out there is no intention of having mobile crews driving around to look for trouble—there is no intention of doing the job of police.

At their annual Banquet in January 1966, The Mascota Valley REACT Team of Enfield, N. H. elected Roger Pollard for President, KKB2183. For their Vice President, Douglas Hammond, KKA7768. For Secretary, Gloria Flint, KKA4691. For Treasurer, Dick Pollard, KDB4145. For Sergeant-at-Arms, KKA2550. The Board of Directors included: Fred Merrill, KBC2107, John Flint, KKA4691, and David Dunham, KBC2610.

This is a very active club working with the state and local police during storms and whenever their help is needed. At their meeting it was brought to their attention about, 16 year old James Owens, 215 Via Mentone, Libo Island, Newport Beach, Calif. Who had lost his

arm in an accident and given up all hope in life, he started an interest in collecting QSL cards. So the members took up a collection of cards and sent them to him. At their last meeting in March they elected him an Honorary member of their club.

One of the group activities is their bowling league and it has done very well, both in drawing the group together and improving their scores.

SOUTHERN

VENICE, FLA.—During a heavy late afternoon rainfall on March 18, just south of Venice, Florida, a 10-33 call for help was made by Mike Seaman, KHC2683, of Fort Wayne after coming upon a head-on collision with five persons critically injured.

Robert Ridley, KMP0219, received the call at his base station and relayed to Janet Fox, KKP1503, to landline Farley Funeral Home ambulances and Florida Highway Patrol.

In the meantime, Mark A. Stires, KKP2650, REACT No. 46, rushed to the scene and after arriving, assisted ambulance attendants getting the injured people on stretchers. Mark, a free-lance photographer, took photos for the highway patrol and local newspapers.

Hines wrecker driven by Roger Seely, KMP2692, REACT No. 44, was also dispatched to the crash site to remove autos from the highway after receiving a call from Mark Stires on channel 9.

Also assisting at the scene were several out-of-state mobile units.

Radio operators involved in the 10-33 communications were cited for the excellent work by Venice Hospital, Sarasota County Sheriff deputies, and Florida Highway Patrol.

The highway patrol reported to have had four auto accidents in the Venice area within several minutes. HELP and REACT units assisted at all four accidents.

PACIFIC

The first Oregon Chapter of M.C.E.U. (Mobile Communications Emergency Unit), was formed February 4th, 1966 in Salem, Oregon. The officers are as follows: President, Mack Bynum, KNC2822; Vice President, Al Thurston, KNC3104; Secretary, Gail Fedde, KNC-0850; Treasurer, Jeanette Brown, KLC1666; Sgt.-at-Arms, Bod Freddo, KNC0850; Public Relations, Tommy Pierce, KNC1626; Chapter Reporter, Fuzzy Fuson, KFF-0171.

The Chapter meets the first Friday of each month at 7:30 p.m. Several special projects have been scheduled for the near future.

Twenty members and three guests were present at the home of Bob and Pat Huie, of Salem. Refreshments were served after adjournment. The name of the Chapter is "Webfoot Meri-Mikers."

Mid Valley Emergency Communications, Albany, Oregon, recently held their election with the following officers: Commander, Bob Mullen; Executive Officer, Ethan Miller; Adjutant, Harry Egner; Staff, Bill Muller, Danny Stewart, Carl Roth.

The organization is looking forward in having a REACT Team and to furnish Emergency Communications where needed. Many long hours were spent in the 1964 Christmas flood.

The Tri-County Transceivers Inc., of Oregon held its 1966 election with the following results: President, Ray Stevens, KFF1148; Vice President, Ken Harmon, KFF0925; Secretary, Lila Mullen, KLC0983; Treasurer, Dale Miller, KFF0588.

A recent visitor to the Salem, Oregon area was Mr. Ben Rolphe, Castro Valley, California, representing the Electronics Communications Inc. Several CB'ers met with him in the evening. The main object or topic was what the CB'er of today would like to have in their new CB radio. There was a suggestion that Channel 9 be used as an EMERGENCY Channel. This sounds like a very good idea for this area.

The members of the Oregon Trail CB Club have been participating in the search for the airplane believed to be down in the White Salmon, Washington area. So far no trace has been found and the outlook is very slim at this time.

A potluck supper was held by the Oregon Trail CB Club, February 19, 1966, at the R.E.A. building in The Dalles. Eighty-one members and guests attended. This included representatives of the Skyliners, White Salmon, Wash., Westerns, Yakima, Wash., and The Columbia Basin Search and Rescue CB Club.

The Olympia Search & Rescue Team Inc., 10/20 Olympia, Washington, recently took a major part in

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the search for and rescue of three missing youths near Olympia. The three boys, ages 8 to 10 had left home to bury a dog in a swampy, brushy area near their home. When they failed to return home after dark, their mother called the local Sheriff, and he in turn called the Search & Rescue Team. Within 1/2 hour of his call there were 18 units of the team on the scene, including a number of 4 wheel drive vehicles and a dog trained for search. Due to heavy rain the dog was unable to find a strong trail. The team then spent the night searching and calling for the boys on their P.A. systems but were unsuccessful. The next morning a team of 2 helicopters from nearby Fort Lewis was called in, and spotted the boys in heavy swamp around 9:30 a.m. Mobile units of the team, directed by the choppers, moved in as close as possible and then proceeded on foot to the boys and carried them to safety. All were found in good health, but hungry and tired. A tearful, but happy reunion with their families followed.

The club has been active for over 2 years and this was only one of many searches they have participated in.

All members of the club are required to have First Aid training and periodically participate in drills with the C.A.P., Red Cross, Civil Defense, and other groups.

Future plans include working with the City of Olympia during their annual Lakefair this summer and providing communications and patrol boats for the 2nd Annual Black Lake Regatta, which is recognized by the A.P.B.A., Tacoma, Wash. branch.

The club meets the 2nd Wednesday evening of each month. Officers are: Clyde Boyle, 1st Coordinator; Les Crane, 2nd Coordinator; Bertha Wells, Secretary; Frank Ensign, Treasurer.

CANADA

REACT Québec Team. In order to be of help to the numerous tourists who visit Québec City and region during the summer season, and be of assistance to the citizens of this city, it was recently decided to form a group which has now been officially accepted by the National Headquarters of REACT. The coordinator is Frank G. Barratt, XM55-2295 and the Secretary, Miss Ginette Saucier, XM55-2330. At the present time, membership is 15 members, however, it was decided to add to this and build up to have sufficient members so as to be able to perform any and all duties that the group may be called upon to perform. Channel 9 will be monitored at all times, as will be channel 22, the latter being the monitor channel of the local CB Club, and visitors to the city will be able to receive assistance on either channel. It has been decided that considerable publicity will be given to the new REACT Team in order that the public and visitors may be aware of the fact that we do exist, and XM55-2616, André Lessard and XM55-2390, Marc Cantin are responsible for this work. For additional details concerning the team which is known as REACT QUEBEC, please communicate with the Coordinator, Frank G. Barratt, 917 Murray Avenue, Québec City 6, Qué. Telephone numbers 527-6049 or 623-7007.

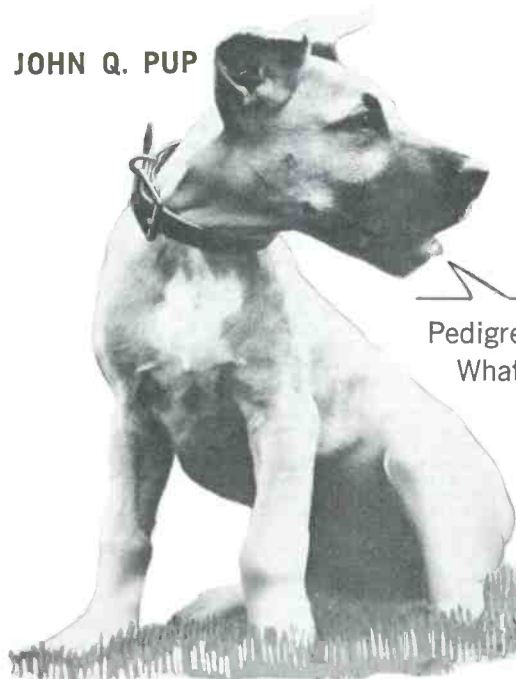
The Beaner Radio Ass'n of Montreal, Canada, reports the following 1966 officers: President, George Dirivage, XM52-2705; Vice President, Larry Liutak, XM52-3531; Secretary, Merrill Barsalow, XM51-2854; Treasurer, James Melrose, XM51-926. The Ass'n will hold a summer annual picnic, a Christmas party, a dance and many other activities.

EXTERIOR

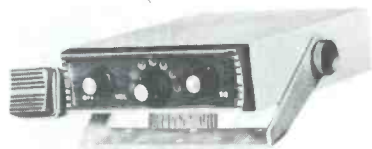
ALIAMANU RADIO CLUB—On January 25, 1966, the members of the Aliamanu Radio Club rendered assistance to the March of Dimes annual fund raising drive held here in the Island of Oahu. Approximately 3000 mothers marched to homes throughout the Island to solicit donations to the March of Dimes. Eighteen members of the club rendered radio communication services and established mobile collection points in the cities of Waianae, Nanakuli, Waiialua, Aiea, and Pearl City. Members participating with the March of Dimes were: Aiea district: Frank Machado, KLS0013 and Alfredo Duhaylonsod, KNS0008; Pearl City district: Walter Kaleikini, KNS0037 and Albert Kalaikai, Sr., KNS0047; Waiialua district: Mr. Raymond Romo, KNS-0062, Roy Asato, NS0062/2 and Miss Jeanne Teanio, KNS0062/3; Waianae district: Henry Kalaiwaa, KNS-0154 and Mrs. Nora Kalaiwaa, KLS0153; Nanakuli district: Henry Rabago, KNS0066 and Miss Blossom Kalua, KNS0066/2. Three Base Stations were utilized

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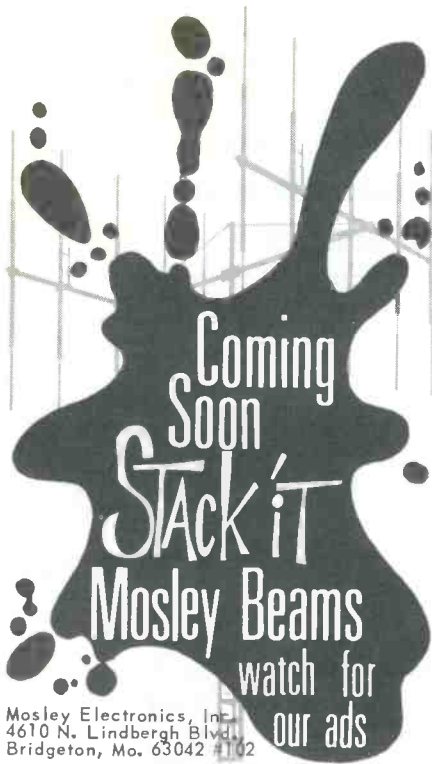
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to monitor the activities of the mobile units operating in the five districts. They were: Yours truly Arthur Tanaka, KIG0307; James Pagan, KLS0049; Charles McMinn, KEB3104; Jerry Alidon, KNS0031; and Daniel Ramos, KIH0105, were utilized as roaming mobile units to assist the various mobile collection points. David Kauhi, KLS0123, "President of the club," and William Kelekolia, KIG0170, "Vice-President of the club," were at the March of Dimes Headquarters in Honolulu where they set up a temporary Base Station (ground plane attached to a folding ladder). Everything worked like clockwork and the entire operation was a huge success for the March of Dimes and for the Alaiamanu Radio Club's field communication network. Mr. Jimmy Valenciano, Chief Coordinator from the March of Dimes Headquarters was highly pleased and expressed his sincere gratitude to the participating members of the Alaiamanu Radio Club for service rendered and a job well done. Released by: Jerry Alidon, KNS0031.

The Alaiamanu Radio Club members who also are Civil Defense members of the Rural Command Area II Waipahu and Civil Defense members of RAC II Ewa, recently combined manpower and resources to participate in a Statewide Civil Defense exercise held on 20, February. The Citizen Bander's of both CD areas worked closely with RACES (Radio Amateur Civil Emergency Service) giving maximum close area communications support. CB Base Operations was established in the offices of Mr. Frank Wiley, Mill Superintendent for Ewa Sugar Plantation Company where the RACES RAC III is located. The CB communicator operated from the office were within close by the RAC III communication room. Twenty-one mobile units fanned out to various predesignated points throughout the districts affected and transmitted pre-arranged messages to the Base Operations. Under the competent and able supervision of Arthur Tanka, KIG0307, Ass't District Coordinator CB Ewa and Mr. John Manloloyo, KNS0020, three females were utilized to man the Base Operations functions which were: Mrs. Nora Kalaiwaa, KLS0153; Miss Jeanne Teanio, KNS0062/2; and Miss Ruby Asuncion. Mr. Roy Onaga, KNS0146 was courier for CB'ers and Radio Amateur's. RAC III Ewa, radio amateur operator's in charge were: Mr. K. Sekioka, KH6TD, Kokua 113.

Other members participating were: Mr. David Kauhi (Waipahu District Coordinator, CB), KLS0123; Mr. Wallace Perry (Ewa District Coordinator, CB), KIG-0266; Mr. William Kelekolia (Ass't Waipahu District Coordinator, CB); Mr. Arthur Peymbroeck, KNS0106; Mr. Frank Machado, KLS0013; Mr. Jim Darrock, KNS-0065; Mr. Jerry Alidon, KNS0031; Mr. Thomas Bautista, KNS0167; Mr. Walter Kaleikini, KNS0037; Mr. Henry Rabago, KNS0066; Mr. Raymond Romo, KNS-0062; Mr. James Pagan, KLS0049; Mr. Merl Mattern, KLS0141; Mr. Alfredo Duhaylonsod, KNS0008; Miss Blossom Kalua, KNS0066/2; Mr. Roy Asato, KNS-0062/2; Mr. John Awai, Jr., KPS0016; Mr. John Strong, KMX6352; Mr. Don Craig, KNS0180; Mr. Ronald Izumigawa, KNS0197.

Base Operations carried the bulk of communication workload as they acted as relay base stations of any and all radio messages received from RAC III-Waianae. Messages received from RAC III were relayed to Birkheimer Tunnel in Diamond Head where the Office of Civil Defense Agency is located, as well as messages received from mobile units of RAC II-Waipahu and Ewa RAC III. To further guarantee communications between Base Station and Waianae, two mobile units acted as mid-point relay stations. These relay mid-point stations paid off handsomely as it turned out from these mobile units had to intercept all Waianae transmissions as Base Station were in difficulty because of interferences. KNS0008, Alfredo Duhaylonsod and KNS-0066, Henry Rabago did a wonderful job relaying messages to Base Operations at Ewa. The OCDA were highly pleased to job well done by all concerned.

Here the late information which I received via KIG-0168, Charles Kuia, Oahu Civil Defense Citizen Banders Radio Communication Service, Personnel Officer, Honolulu Area Command which the following CB'ers took part in this Civil Defense exercise on another channel (22).

There is another activities which the CB'ers here in Hawaii are volunteering to the newly organized group called: Honolulu Emergency Public Communications Platoon, which is supervised by the Honolulu Police Department and the membership is 69 strong and gradually more CB'ers are joining which by the month of June or July which the membership will elect their Officers will be about 100 strong.





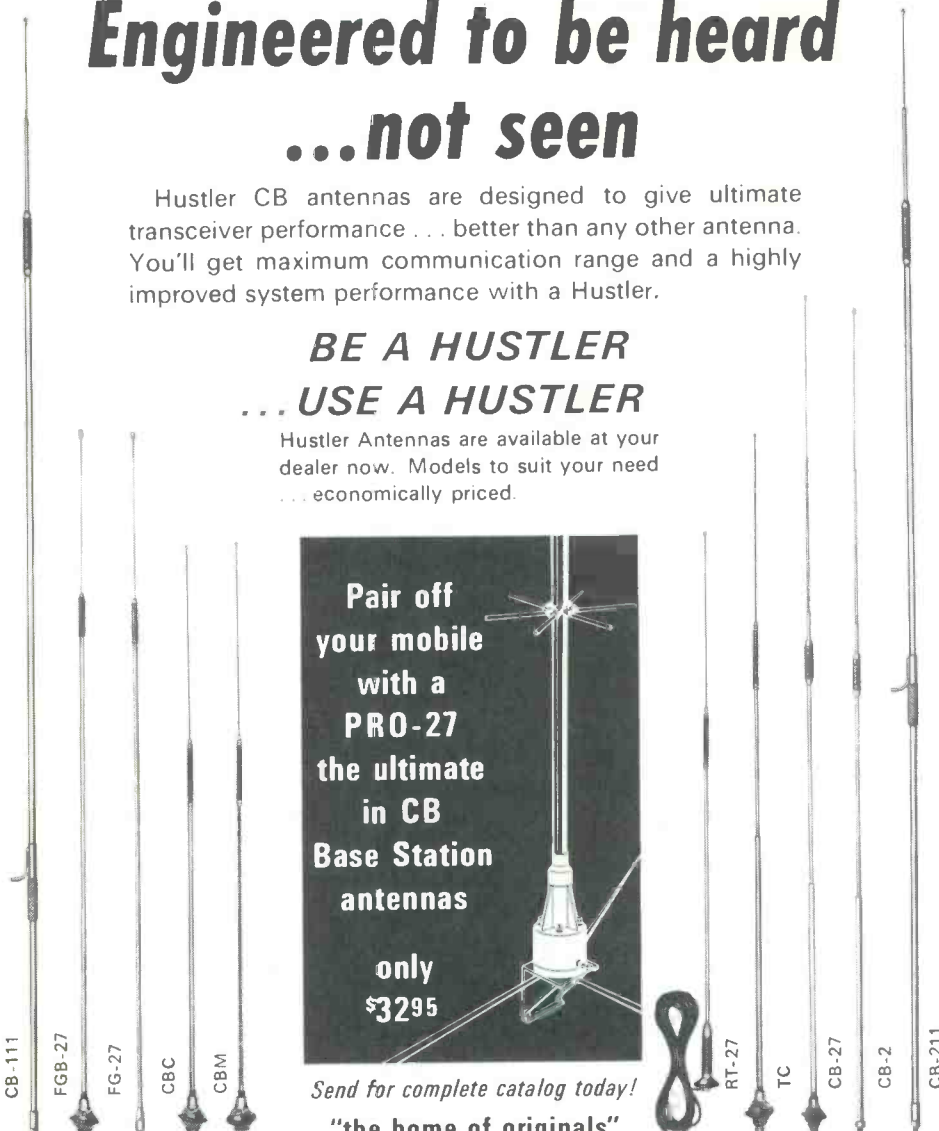
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MICRO-HAM SPECIAL

Continued from page 28

whip for your antenna, this coil will not be necessary. Let's presume that you are not going to use the commercial antenna for the time being and will use L_2 . One end of L_2 is soldered to the end terminal of L_1 , at the same point where the coil is connected.

The parts layout isn't particularly critical, keep leads as short as possible. A suggested layout shown in Fig. 2, however you may choose to use a more spread out arrangement with the terminal strip shown in Fig. 1.

When the unit is completed, the whole Micro-Ham Special can be enclosed in a small plastic or metal box. The FCC certification sticker shown here must be cut from the magazine and pasted to the transmitter.

ANTENNA

As mentioned previously, you may use any single element antenna which does not exceed 5 feet in length. Any of the "loaded whips" should do well, in which case you will not wire L_2 into the circuit, but will connect the antenna lead directly to the end of L_1 .

You can use a standard 5 foot steel whip instead, mounted on or near the rig. In such an installation, use the coil L_2 in your construction. Keep the antenna away from nearby metal objects for best results.

TUNING UP

Turn L_1 's slug screw full clockwise. Next, clip a 15-ma DC milliammeter to the telegraph key connecting points (if the meter deflects, reverse the meter leads).

Take a plastic alignment tool and turn L_1 's adjustment counterclockwise and notice the current start to rise. It will go to 3 ma and suddenly jump to 9 ma. Then slowly adjust until it hits 11 ma. Do not let the unit run above 11 ma, because the transistor will be damaged.

Take away the meter, clip on the telegraph key, and you're a Micro-Ham!

OPERATING

You should be able to hear your signal well on any tunable CB receiver. Fixed frequency receivers will not hear Channel B transmissions since they are intended only to receive regular numbered CB channels. The carrier will be heard, but it will be a "dead" (unmodulated) one. To modulate the carrier you will need a beat frequency oscillator so that it has the familiar "Morse code" tone. Any communications receiver which covers CB frequencies is OK.

A beat frequency oscillator may be easily built, it consists of a low powered oscillator operating on the IF frequency of your receiver.

All you have to do now is get somebody to work and you're on the air! See you on Channel B!



KBG4303 RIDES AGAIN

Continued from page 7

TOO MUCH POWER?

The broadcast industry, long considered to be the pampered "darlings" of the FCC, suddenly reared up against what they called the FCC's "direct and indirect" interference with radio and TV programming.

They went even further than complaining about it, in fact, they are demanding congressional action on FCC "censorship" to the point where the Commission will be unable to directly or indirectly forbid or require a station to carry any particular program, series of programs, or category of programs.

A spokesman for the broadcasters said that FCC policy, in his opinion, was "an unfortunate technique of regulation" which puts licensees on notice that the commissions official policy "is now *such and such*, and that those who do not follow that policy will be challenged at renewal time. He also noted that FCC licensees are reluctant to try and drag the FCC into court to contest unfair rules and regulations because the government has resources "enormous compared to the individual."

His solution to the problem was that licensees conform to their own codes of good practice and also make a greater effort to keep the public informed of the good work which they perform and also their plight.

I don't know about you, but this whole business sure hit home with me, because, in my opinion, it runs a close parallel to the situation we have in the CB service.

Bet you never stopped to figure up how much cash Joe CB'er plunks into Uncle Sam's pockets each year. Would you believe almost \$3 million, just on license fees alone? This doesn't count monetary forfeitures. Off hand, it seems that we, too, should be entitled to a little of this constitutional right to free speech to which the broadcasters refer.

If *anyone* can whittle down FCC censorship, it will be the broadcasters. Perhaps their success will open the way for a reappraisal of the FCC's arbitrary regulations against CB'ers, which seem to be a clear violation of Constitutional rights.

We support the broadcast industry wholeheartedly. Local CB clubs might wish to contact some of the smaller broadcast stations in their respective areas to see if they can be of any help in spreading the word.

In the meantime, don't forget that we must still tow the mark with Part 95 as it now

stands, and just hope for a better day tomorrow.

A REMINDER

With the "skip" season upon us, this is just a reminder to resist the temptation to work that distant station blasting through on your channel. Even if he calls you first, it's clearly a violation of the CB rules to go back to him.

Don't think that you can get away with it either, regardless of the clever "tricks" you can dream up. The FCC's monitoring force is out in full swing to nail "skippers," and they seem to mean business from all indications. The idiots who work skip minus their call signs, substituting a hilarious nickname ("Old Polecat," "Tennessee Kid," "Lonesome Eddie," etc.), are in for the biggest surprise of all—but I'm pledged to secrecy as to the exact details. Just take my advice, lay off the skip.

4 YEARS LATER

By golly, has it been four years? Wow, time really flew since we brought out the first issue of S9. Much has happened, CB publications and clubs have come and gone, new rules and license fees have been imposed, and equipment which challenges the imagination has been developed by CB manufacturers.

Of course, it is in the realm of CB publications which has seen the largest turmoil. Perhaps the biggest shock of all was the sudden passing of *CB Horizons*, long the only magazine in the field. An attempt to revive it in its full glory (by some former CBH staffers) under the banner "*CB Magazine*" was tried, and failed. Eventually, "*CB Magazine*" had to be taken over by the printer, who continues to bring out sporadic issues in a valiant attempt to regain at least some of his investment. Unfortunately, little of the information in *CB Magazine* concerns the Citizens Radio Service and none of the printer's employees are active on CB. It stands as a mute reminder of the past, a lackluster and gaunt shadow of *CB Horizons*, as it stumbles blindly and panic stricken, groping wildly for a point of contact with potential readers.

S9 has had a few rough periods, but we have been able to maintain our equilibrium, thanks to our readers and advertisers. At the present time, we have just completed plans for a complete revamping of the business and editorial aspects of S9. For one thing, we will produce four *giant* issues each year, March, June, September, and December. The first of these issues will be this year, in September. The newsstand price of these issues will be 75¢ each.

The original plans called for the giant issues to sell for \$1 each, but I felt that a better

way to work the whole deal would be to cut this proposed \$1 price by 25¢ per issue and increase the price of the other 8 yearly issues by 10¢ each (an increase which was only a few months distant anyway, even if there had been no giant issues planned). That's why this issue of S9 is marked 60¢. Subscription prices *will be maintained* at \$5 for 1 year (for magazines selling for \$7.80 on the newsstands), \$9 for two years (\$15.60 newsstand), and \$13 for three years (\$23.40 newsstand).

As regular readers will note, price increases have long been on the way. I think everyone will agree that the giant issues will more than justify the 10¢ per month newsstand increment. Subscribers, of course, have never had it so good.



ANTENNAS

Continued from page 29

to many TV makers.) Note that it connects at the twinlead to the TV's antenna terminals. This position works for mild interference. If you've got a nasty case of TVI, installing the filter is an inside job. The back cover of the TV must be removed and the filter located as close as possible to the point where the twinlead enters the tuner. There's a ground tab on the filter can which is grounded to a screw on the tuner.

Watch out if your set is the type for AC-DC operation. (It'll be marked, probably on the back cover.) If you mount the filter outside, and also ground the can to the chassis inside, there's risk of electrical shock. This can be avoided by mounting the can inside the set. Another thing to check: the filter might work better if the twinlead wires are reversed. Experiment for the least TVI.

Most high-pass filters are available in the 300-ohm version, the standard impedance used for TV line. But there's something new in the wind. There may be a changeover to 72-ohm line in place of the usual 300-ohm twinlead. The reason is color TV. The 72-ohm line permits the use of coaxial cable which is more immune to interference, moisture and other problems that impair color reception. If your set uses coax, you can obtain a high-pass filter in the 72-ohm version.

Anyone experiencing much CB interference to TV, and finds that the high-pass doesn't knock it down sufficiently, might take a cue from the color TV makers. You can also use coaxial cable to reduce interference. Although twinlead should cancel interference picked up along its length, it's far from effective. Coax shield does a much better job. You can switch to coax in two ways: Obtain two matching transformers (300-to-72 ohms) and install one at the TV antenna terminals (on the mast) and the other at the back of the TV set. Coax can run between them. The other approach is to buy a complete package that includes coax cable, hardware and transformers.



S9 LAB REPORTS

Continued from page 37

with tone, EICO calibrated the 715 to the more usual (and meaningful) complex waveform values. Tested against an oscilloscope, the 715 gave quite accurate indications of percent modulation.

A built-in telescopic antenna is provided for FSM use.

Perhaps the most outstanding feature of the 715 Trans-Match is that it can be used without constant referral to an instruction manual. Only four controls are used and their functions are marked clearly. One is the *load* on-off switch. The second is the range switch which also has an off position that short-circuits the meter movement, thereby damping the meter and protecting against damage during transit. The third control is the function selector; each function has its own position and there is no "doubling up"—as example, if you're reading power you set the switch to *power*, and if you're reading modulation you set the switch to *modulation*. The fourth control is for calibration of the SWR meter in the *forward* direction, and the *reference* (power) calibration for the modulation meter.

The Trans-Match is housed in an extra heavy steel cabinet and should therefore withstand considerable abuse without effect to its performance.

Priced at \$34.95 in kit form (a easy-to-build kit) and \$44.95 wired, EICO's Model 715 Trans-Match is perhaps the least expensive and easiest way to insure optimum performance from your CB rig.



WASHINGTON OUTLOOK

Continued from page 48

Show Cause proceeding dismissed because a monetary settlement was reached. Licensee has taken corrective measures to avoid further violations.

KND0732, Clyde T. Tobiason, Spokane, Wash. Show Cause proceeding dismissed. Licensee replied to FCC furnishing full particulars concerning violations involved.

KNA1457, John L. Rodrigues, Felton, Calif. Stayed his license revocation from February 3rd until September 12.

KMI2204, Raymond Wheatley, Jr., Baltimore, Md. Show cause proceedings dismissed, same reason as KND0732.

KNM2763, Robert A. Ervin, Chillicothe, Ohio. Show Cause proceedings dismissed. Licensee settled his monetary forfeiture and cancelled his license.

KKI2090, Roger E. Myers, Woodbine, Md. Stayed his license revocation from February 8 to September 19.

KLA5545, Norton E. Bunyan, San Jose, Calif. Stayed his license revocation from February 10 to September 16.

The FCC amended Part 97 of its rules (Aviation Services) to provide for fleet licensing of CAP mobile stations. The previous rules provided for fleet licensing only for private CAP

aircraft and air carriers. Now ground mobiles will be included. Separate applications will have to be filed for CAP fleet licenses for ground mobiles and for mobiles aboard aircraft.

The Commission reduced from \$10 to \$4 the renewal fee for aircraft and ship radio licenses. They also adopted a new short form (Form 405-B) for aircraft and ship radiotelephone licenses which will also be used to notify them of the imminent expiration of their licenses and also serve as an application for renewal (without modification). Users form 405-B (and also Forms 404 and 502) will now send their applications to the FCC office in Gettysburg, Pa., instead of to the FCC offices in Washington by none other Washington, D.C.



SWL SHACK

Continued from page 60

station in Paris on about 5020 kc/s, Israel on 5220 kc/s, both at 1815 EST. A Spanish language "spy" station on 5310 kc/s at 1725 EST.

Robert Baltimore, KDI2830, is now stationed at Eglin AFB, Fla. The Hallicrafters S-120 got knocked out during an electrical storm, but should be back in service by the time you read this.

Mike Esposito, Brooklyn, N. Y., reports on the *Radio Finland* transmission every Saturday at 0730 EST on 15185 kc/s; *Radio Norway*, Sundays on 21730 kc/s at 0930 EST; *Radio Japan*, 1600 EST, 15195 kc/s; *ORTE*, Paris, France, 1415 EST in the 15 mc/s band. Mike's rig is a Hallicrafters S-120, also a Hammarlund HQ-100A.

Harry McDonald, Clay City, Ill., heard in Mexico City, Mex., 11880 kc/s at 1615 EST; *R. Nederland*, 11 mc/s band at 1600 EST; *KAAY/1090* at 2300 EST.

Phil Kurnun, WN6QDB, Los Angeles, Calif., has among his DX offerings: *YVMF/1120*, *XELO/800*, and shortwavers *Radio Nigeria* on 4991 kc/s; *Vatican Radio* at 1950 EST on 7350 kc/s; *Radio Berne*, on 9538 kc/s at 2000 EST. Equipment is a Gonset GR-212, Hammarlund HQ-145X, Hallicrafters SX-62A, Drake 2B.

Mike Thompson, Vancouver, B.C. grabbed off a QSL from HCJB in Quito, Ecuador—but he heard it on its standard broadcast band frequency of 700 kc/s. He reports the following CW beacons *OX/527* (Comox, B.C.), and *OD/518* (Cold Water, Alta.). Beacon *MAT/512* in Matamoras, Mex. They QSL'd from the following address: Jefe, Depto, De Comunicaciones, Cia. Mexicana de Aviacion SA, Matamoras, Mex. On 1730 kc/s Mike QSL'd *KMA367* of the Los Angeles police. All stations tuned on a six transistor SONY portable and a 70 foot hunk of wire.

Those beacon stations make for good listening. Next month we will have a complete listing of 273 U.S., Canadian, and foreign beacons operating on or near the broadcast band. Watch for it! It will be the first complete listing ever published anywhere.

That's the bit for this month—next month will your report or shack photo be included?



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QSL's. Smart CB'ers buy their QSL cards from The CBC Wholesale Club, Box 631, Lexington, N. C. See half page Advertisement on Page 69.

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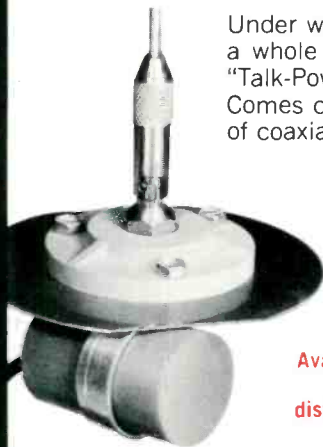
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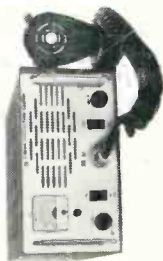
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