



# the REACTer

Official Publication of REACT International, Inc. (Radio Emergency Associated Communications Teams)

JULY/AUGUST 1988



## REACT International

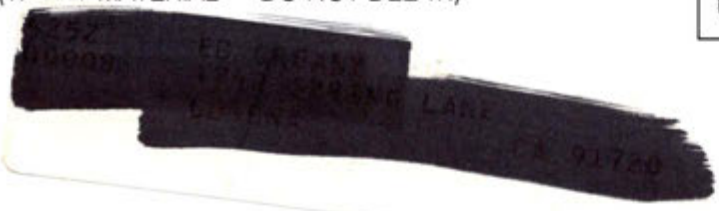
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## In This Issue . . .

- REACT International Affiliate Teams Report
- GMRS Tone Squelch Explained
- Airbags & Automatic Belts Qualify for Insurance Discounts
- New CB Radios Introduced



# With two channel monitoring, the Whistler 900 gives you twice the safety of any other CB.



Whistler's Dual Watch monitoring lets you listen to any combination of two channels, at once.

When your life depends on what's around the next corner, a good CB is essential equipment.

But until now, you could only monitor one channel at a time. So, if you were listening to the road show on 19, you had no idea what was happening on emergency 9. Now with the Whistler 900's Dual Watch™ monitoring you can listen to any combination of two channels you want at the same time.



Extra long coil cord, with tough spring strain relief.

What is more, if you're talking to another Whistler 900 unit you can broadcast and receive on totally separate channels, giving you greater privacy, because

others won't know the combination of channels you're using. Not to mention the fact that all other CBs can only receive one channel at a time.

The 900 has separate squelch controls and easy to use channel selectors, instant select transmit buttons, mic gain and RF gain controls, instant 9 and 19 selection and advanced "phase locked loop" electronic tuning for accurate channel selection.

It's designed to stand up to incredible shocks and vibrations and is backed by a two year warranty.

Dual Watch keeps you in touch with 9 and 19 at once. Or any combination of channels you want.

For more information or the name of your nearest Whistler dealer, call 1-800-531-0004. In Massachusetts, 617-692-3000.

To equal the 900, you'd have to own two CB's.



The 900 has a non-glare case finish and is built with the same world renowned quality as our radar detectors.

## Whistler

Standard Equipment  
For The Serious Driver.

FOR MORE INFORMATION, CIRCLE B ON READER SERVICE CARD.

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## On the Cover . . .

Motorists traveling during the Memorial Day weekend were greeted once again by Herndon REACT Safety Break in the rest area of Virginia Interstate Route 66 just two miles East of Manassas, Virginia. Booths were set-up on both sides of the highway for the third consecutive year catering to weary motorists. Herndon REACT provided free doughnuts, hot coffee, ice tea, hot tea, orange drink and cookies to all motorists who stopped for a safety break.

Twenty-five members of Herndon REACT participated during the long weekend coverage with many members manning three or four shifts. We had one member from Montgomery County REACT and one member from Fairfax REACT who volunteered their time much to our appreciation.

Seen in photo serving travelers, William (Sparky) Rogers seated under sign, Yvonne Trout both of Herndon REACT #C322.

Photo by Bob Baird.

## HEADQUARTERS REPORT

**The 1988 REACT International Convention** (Roanoke, Virginia) has over 185 registered to attend. This is the largest registration since 1984 Daytona Beach, Florida. This large turnout of Team and Council Delegates indicates the increased interest in REACT which will help shape REACTs' future. We are very pleased with the expected turnout and know the attendees will take a lot of memories home. Participating Teams should set aside a regular meeting to hear a full report from their delegate(s). Look for a full convention report in the September/October issue of *The REACTer*.

**"A surprise" started July first.** Once again Shakespeare, E and F division has sponsored a membership drive contest for REACT International. Last year their support to REACT was worth over \$5,000. This helped REACT gain over 800 new members. We appreciate Donald Henry Jr., of Shakespeare, efforts to continue this program.

This contest gives each Team in every state a chance at the Shakespeare Big Stick Gold Band Base Antenna model 176U — another benefit in belonging to REACT. The contest details are shown on page 21 of this issue.

**Half-year Dues are in effect July 1 through December 31.** Regular member \$6.00, Family and Junior members \$5.00 each. This should help gain new members for the membership drive contest. New members will receive *The REACTer* July/August through November/December issue for joining during the contest period.

**The REACT individual affiliate program gets underway.** Two years in the making this program has been developed to provide the maximum benefit to REACT International, our Teams and those wishing to join the REACT family as individual affiliates. Enclosed with the "Shakespeare REACT Membership Drive Contest" announcement was our exact letter to persons interested in REACT and the welcome letter to individual affiliates. Each provides the details about joining REACT and the expectations of affiliates.

In general we invite interested persons to join our REACT family in one of four ways: 1. join a local REACT Team; 2. form a Team; 3. affiliate or; 4. subscribe to *The REACTer*.

The first two are our priority. We hope that affiliates and subscribers will learn first hand about the benefits of becoming a regular Team member.

Affiliates are persons:

- who support the goals and purposes of REACT in providing public service through communications;
- who strive for communications excellence in reporting emergencies on CB Channel 9 to a local REACT Team member or other trained monitor, and;
- who want to provide information to friends and acquaintances on the proper use of CB Emergency Channel 9.

We make the REACT state Council aware of any new REACT Affiliate to determine the interest in membership in an existing Team, forming a new Team or any other REACT assistance they may need.

Status as a REACT Affiliate is somewhat different from the regular members. Affiliates reporting an emergency to a regular REACT monitor, may identify as a REACT Affiliate for identification purposes. We instruct them in other cases, to avoid confusion, make sure that they identify themselves clearly. Affiliates should not attempt to conduct the same activities as a REACT Team or its members. They do not have the same training, supervision, and insurance coverage that REACT Team members have.

Affiliate Program fees are from July 1 to June 30. If Affiliates join (or form) a REACT Team, their Affiliate fees will be applied toward REACT International membership dues.

Affiliates receive:

- "REACT Backer" bumper sticker
- ID card for access to group discounts
- *The REACTer* magazine
- REACT Team Contact Directory
- "Getting Help by CB Radio" pamphlet
- Application for our REACT MasterCard or VISA.

*continued on page 4*

# the REACTer

July/August 1988  
Vol. 22 No. 4

REACTer subscriptions are available at \$9.00 per year in U.S.A. (Canada — \$12.00 U.S. Dollars).

*The REACTer* is the official publication of REACT International, Inc. — a non-profit 501C3 public service organization. REACT stands for Radio Emergency Associated Communications Teams. This publication is provided to our dues-paying members (one per household) and other interested parties. It is published six (6) times yearly. Average distribution for 1987 was 13,000 copies with 95% USA and the remainder to Canada, Venezuela, United Kingdom, Australia and U.S. territories. Ronald O. Mayes, General Manager and Editor. Offices: REACT International, Inc., 242 Cleveland, Wichita, Kansas 67214 USA (316) 263-2100. Entire contents copyright ©1988. Authorized REACT Councils and Teams may reproduce articles in entirety, giving proper credit. REACTer assumes no responsibility for submitted articles, manuscripts, photographs, or drawings; such items cannot be returned. Please allow six weeks for change of address and delivery of first issue.

## HEADQUARTERS REPORT

**New REACT pamphlet "Getting Help by CB Radio" finally gets underway.** This pamphlet instructs CB users how to make a call on CB Emergency Channel 9, utilizing a detailed example and the REACT "CLIP" information. Included is how to spot and report impaired drivers. The REACT Program and purposes are also included. This pamphlet is now available and replaces the REACT 25th Anniversary pamphlet. Space is provided inside for stamping your Team name, address and phone number.

As previously reported, the following radio manufacturers have indicated they will print and insert these same pamphlets in their products: K-40 Electronics, Whistler, Cobra-Dynascan and Midland. Others are considering following suit. There is a space provided on the front of the pamphlet for participating manufacturers or other companies to print their name and logo under the words "printed for REACT as a public service by". If you know of a company who would like to help travelers, REACT,

and their company image, ask them to get in touch with REACT Headquarters. We would like to have such a company print a quantity of these pamphlets for distribution at little or no cost to REACT Teams.

**Team and Council Newsletters** have from time to time addressed issues or questions about REACT International policy, procedure or Headquarters. Many times these are the writers' *opinion* and the writer doesn't state the facts correctly. Mainly because they didn't bother to ask anyone in a position to answer. Some even address questions in their articles. Such writing is really a disservice to the newsletter readers. I'm even amazed that questions are addressed to Headquarters or the Board via newsletters. This method is the least likely to produce a response. For one reason the likelihood of our noticing the questions is pretty remote because we don't have time to thoroughly read the fifty or so newsletters we receive regularly.

**If your Team or Council has a question,** please put it in a letter to either the Board, Headquarters or both. It is our policy to respond in a timely manner to such questions. Newsletter writers should try and get answers to their questions or at least their facts straight prior to writing their article. Such questions and answers could then be included in their article. This would provide more accurate information to the readers and be of greater service to all concerned. Newsletter editors wishing to run such articles from another newsletter are just as responsible as the author to check out the facts. It's really annoying to see the proliferation of someone's un-informed opinion.

Should you find your newsletter shy of material, consider including excerpts from a recent "Team Topics" or *The REACTer*. Teams and Councils have permission to use this information providing proper credit is given. Many topics are general in nature, reprint one and then relate the topic to your local Team or Council.

### Guidelines for items for "Team Events"

1. Reports should not cover a whole year. If yours is a busy Team, submit news items several times during the year.
2. Send in your recent events after they happen. Other Teams are interested in the results not necessarily what you have coming up.
3. Photos should be black and white, preferably 5x7" in size. The shot must

have REACT somewhere in the picture: uniforms with emblems, vehicle signs, Team Banners, etc. Each picture should show REACT in action. Take a shot of your Team serving coffee, directing traffic, or other events in which your Team participates.

4. Length of printed items will be 100 to 150 words. There is no minimum length.

### Team Events



**#2708 Bexar County REACT, San Antonio, Texas,** held a blood drive on April 16-21. Recipient was four-year-old James Cody Allen who had a brain tumor operation. We've taken him under our wing and made him an honorary member of our Team.

We worked the first aid station at the Fiesta Parades, April 22-23, helping out victims of heat strokes and those needing

minor aid. April 23 our Team was at the Red Cross station during the National Disaster Medical System exercise, handing out coffee, juice, donuts, and a smile. We searched our downtown area in the early morning hours of April 29 & 30 for two runaway twelve-year-olds; both girls were returned safely to their families. On April 30 the Team held a bake sale, our first-time-ever fundraiser. We did fairly well with handing out leaflets; displaying scanner, mobile and base equipment; wearing our uniforms; we publicized REACT and recruited one new member.

Because of the schedule of events during the weekend of April 22-24 many of our members worked all three functions. They would finish one and go on to the next without rest or sleep or complaints. That's true Team spirit!

**#2416 New Jersey Inter-County REACT, Florham Park, New Jersey,** in cooperation with the Fairfield Police Dept., supplied radio communications for the Fairfield Recreation 11th Annual Jack Funsch Memorial Run.

### New teams chartered

#4724 Concerned Citizen Band REACT, Mohnnton, Pennsylvania, May 23, 1988

#4725 Plymouth County REACT, Manomet, Massachusetts, May 23, 1988.



### Donations Deserve Recognition

Sedgwick County REACT #4208 — \$81.00  
Philip A.S. Treglia LM 254 — \$25.00

The above individual(s), Team(s), Council(s), and/or Company(ies) join the ranks of those who are helping REACT International. Thanks to them we can provide more voluntary public service.

WON'T YOU PLEASE HELP, TOO?!

All donations above \$20.00 are recognized in *The REACTer*.

## REACT International Affiliates

### United Kingdom

Mr. Steve Rawson, due to ill health, has had to step down as REACT International's resident P.M.R. agent in the United Kingdom. Filling the position is Mr. Malcolm McVeigh of Barrow & District REACT #5003.

United Kingdom Teams renewing for 1988 are:

- 5000 Aldershot & District REACT, Aldershot, Hampshire
- 5002 Taunton REACT, Taunton, Somerset
- 5003 Barrow & District REACT, Barrow-in-Furness, Cumbria
- 5004 Cheltenham REACT, Cheltenham, Gloucestershire
- 5005 REACT Wirral, Wirral, Merseyside
- 5006 S.O.F.A. REACT, Formby, Merseyside
- 5007 Gordon & District REACT, Rothienorman, Aberdeenshire
- 5009 Ipswich REACT, Ipswich, Suffolk
- 5010 Wallasey & District REACT, Burkenhead, Merseyside
- 5011 Doncaster REACT, Doncaster, South Yorkshire
- 5013 Brigg REACT, Brigg, South Humberside
- 5015 Huntington REACT, Huntington, Cambridgeshire
- 5016 Barnsley REACT, Barnsley, South Yorkshire
- 5017 Liverpool REACT, Liverpool, Merseyside
- 5018 Rugby REACT, Rugby, Warwickshire
- 5020 Cambridge REACT, Cambridge, Cambridgeshire
- 5022 Jersey REACT, Jersey, Channel Islands
- 5023 One & All REACT, Penzance, Cornwall
- 5025 D.R.E.S.S. Derby REACT, Derby, Derbyshire
- 5026 Gwent & District REACT, Newport, Gwent
- 5027 Bishops Stortford & District REACT, Stortford, Herefordshire
- 5028 Whiskey REACT, Scunthorpe, South Humberside
- 5031 White Horse REACT, Westbury, Wiltshire
- 5033 Border REACT, Haverhill, Suffolk
- 5034 Cruden Bay & Buchan District REACT, Cruden Bay

**REACT Trinidad & Tobago** has re-affiliated. Theo Alfred, Chairman of the Board of Directors, reports they have one Team.

**Sweden** has added two more Teams. In addition to #5100 TIA Sweden Gotaland REACT, the Teams are #5101 TIA Sweden Svealand REACT with 71 members and #5102 TIA Sweden Norrland REACT with 32 members. Welcome to REACT!

**REACT Australia** has renewed its affiliation with three Teams: South Australia, Queensland, and Victoria State Teams. Peter Rowe is National Director. One Flavel Terrace, Murray Bridge, South Australia 5253.

## Junior REACT

What is Junior REACT?

The International office has received innumerable questions about the Junior REACT Program. Many Teams are recognizing young people as potential members and as the future of REACT, indeed any organization.

A Junior member, by definition in the International bylaws, is "any individual under the age of 18 and whose name is registered with REACT International, Inc. as a paid-up Junior member of the Team." Any further requirements or restrictions are to be best set by your Team. There are as many ways to accept Junior members as there are Teams. Commonly, a Team accepts as Junior members the children of adult Team members. This allows the children to be protected by REACT insurances and to accompany parents to REACT activities. It also provides built-in adult supervision when the children are teamed with their parents. The Team can be prepared with tasks set aside especially for these young people. These tasks are geared to the ages of the Juniors.

Some of the Teams have established a Junior REACT Division. This group functions somewhat separately from the main Team. The Juniors pick their own projects, elect officers and a Board of Director representative, and choose to help the main Team during activities. The Team elects or appoints an adult Team member to function as advisor (coordinator or supervisor) whose job it is to keep the Juniors on track with REACT goals and purposes and Team restrictions.

Your Team may choose to adapt one of these ideas or to work out something in between.

Do not overlook the possibility of accepting an individual Junior member whose family is not associated with REACT. Several Teams are proud of the contributions made by their teenage members.

The Team can set restrictions according to age, grades, school activities, and available adult supervision.

If your Team has been reluctant to work with Juniors, now is a good time to reconsider. Don't pass up the opportunity to sign up new members at the half dues that start July 1.

**Finally! All-band scanner antennas with great 800 MHz performance.**

**Exclusive A/S MICRO-CHOKE™ provides pinpoint resonance at 800 MHz scanning frequencies**

Leave it to The Antenna Specialists to develop all-band scanner antennas with excellent performance up to 1000 MHz—unheard of in an all-band antenna. Now your scanner can hear all police, fire and emergency communications you may be missing. Choose trunk lid mount, Model MON-52, or Model MON-58, base station antenna.

**Send now for the new 16-page A/S Personal Communications Antennas catalog. Free!**

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## LIFE MEMBERSHIP CORNER

Rick Munton

New REACT International LIFE Members

LM 365 — Helen Arnold  
#3897 Southgate REACT  
Southgate, CA

LM 366 — Dale E. Startzell  
#C022 Hagerstown REACT  
Hagerstown, MD

LM 367 — Irene Copher  
#2503 Seattle REACT  
Seattle, WA

LM 368 — Mervin C. Lee  
#2609 Bay Area Emergency Radio  
San Jose, CA

LM 369 — John H. Miller, Jr.  
#2785 Abington REACT  
Ardley, PA

LM 370 — Thomas Masucci  
#4601 Old Bridge Pacers REACT, Inc.  
Lawrence Harbor, NJ

## Letter to the Editor

Dear Sirs:

I wish to correct an article published in the March/April 1988 issue of *The REACTer*. Specifically, your article on reducing noise affecting mobile operations by Mr. Allen Rodgers.

The article noted the use of a "Wheel Static Eliminator" manufactured by Motorola, part numbers 1-534254 and 1-563174.

I regret to inform you that these parts are no longer supported by Motorola.

Many advances in both automotive and electronic technology have been made over the years. Wheel Static Noise is almost an obsolete problem in professional communications equipment. It has been my personal experience that ignition systems, alternator and wiper motors are more prevalent sources of mobile noise. A careful installation which follows all of the manufacturers recommendations usually yields a trouble free system.

Sincerely,  
Michael Feinsod,  
National Data Systems Engineer  
Motorola Communications

**WIN!**

Look for the Shakespeare  
Membership Drive Contest  
details in this issue!

## Some Additional Notes on REACT Insurances

**BONDING** — The team and council bonding does cover all officers and team members registered with REACT International. This dishonesty bond only applies to dishonest acts by such member(s) against team or council assets. Mysterious losses are not covered. For more information refer to Page 28 of the March/April 1988 REACTER.

**LIABILITY** — The coverage exclusion section refers to participation in such events as races, rock concerts and sporting events. For your information "participation" is defined as actually being a contestant or host of the event. Teams may provide their communications assistance to the promoters of the events and be fully covered.\* Use of one's automobile for REACT is excluded from the policy coverage. For more infor-

mation please refer to page 28 of the March/April 1988 REACTER.

\*Teams accepting pay or wages for any type of service (unless specified as a donation to the team) are not covered for such services.

**OPTIONAL ACCIDENT INSURANCE** — Our policy has been reviewed by INA, and persons age 70 years or older may not participate under this plan. We had indicated in the May "Team Topics" those age 70 or older might participate under new Federal guidelines. However, our policy doesn't permit such participation at our low cost. We apologize for any inconvenience this may have caused. For more information please refer to the May "Team Topics."

## Team Events

**At the regular membership meeting of the Old Bridge P.A.C.E.R.S., Inc. REACT Team #4601**, held on Saturday, July 9, 1988, Mr. Thomas Masucci, our Vice President, was presented with LIFE MEMBERSHIP in REACT International, Inc. His LIFE MEMBER number is #370. Tom received his plaque, membership card and 1987 LIFE MEMBER DIRECTORY for his unselfish service to the Old Bridge P.A.C.E.R.S. since 1977, when he first became a member of the group.

Tom has held almost every office on the Executive Board level within the organization. He is the immediate past President, serving for two consecutive years in that capacity (1986-87). This year he is our Monitoring Committee Chairman and our Membership Committee Chairman. He is also on the Maintenance & Technical Committee and has climbed our 85' tower quite often to either repair or replace antenna systems over the years. Any time we have a fundraising project Tom is there, involved and offering an inspiration to us all.

The members of the Old Bridge P.A.C.E.R.S., Inc. REACT Team #4601 hereby congratulate Thomas Masucci on becoming REACT Life Member #370!

**Old Bridge P.A.C.E.R.S., Inc.** wishes to say Thank You to all of the REACTers from seven Teams that helped us with the POW-WOW on May 20-22, 1988. We couldn't have done it without your help!

During 50 hours of continuous round-the-clock coverage, REACTers expended 425 manhours, an average of 8.5 person present during the 50 hour period. Teams, helping were: Somerset County REACT, Bayshore REACT, Hamilton-Mercer REACT, McGuire Alert Team REACT, A.C.T.I.O.N.

REACT, North Jersey REACT, Old Bridge P.A.C.E.R.S., Inc. REACT.

No incidents at all occurred. We had REACTers floating through the crowd to deter pick-pocket attempts. The parking lots were covered, not a single vehicle was broken into, not even ones with open windows! No artifacts or vendor's crafts were stolen. Credit for all of this goes to *high visibility!*

The members of the new Jersey American Indian Center gave our Team a "Well-Done" and wished for us to pass it along to everyone that was there for them.

New Jersey REACTers shined before 7,000 attendees over a two day period. Extremely high visibility deterred all crime and gave REACT a big PR boost. We're doing it again next year! Hope to see you there!

On Sunday, May 22, during the New Jersey American Indian Center POW-WOW, five members of the Old Bridge P.A.C.E.R.S., Inc. REACT handled traffic control for a 5 mile Heart Run in Cheesecake State Park, Old Bridge Township, NJ. The run benefitted the Charles Sheffer Heart Fund, a Lawrence Harbor, NJ based NPO set up to help defray the huge expenses of a heart transplant operation for Charles Sheffer, a local resident.

Mark Chivers, Alan Loeffler, Thomas Krygier, Carl Graham and David Rosenthal covered the five mile course utilizing two vehicles equipped with amber lights, with three personnel on foot. 8.75 manhours were expended on the detail. No injuries were reported. George Landreth, Run organizer, thanked all members present and stated that the run drew more runners than anticipated.

## SHAKESPEARE Membership Drive Contest

July 1 - September 30

Win a Shakespeare Big Stick Gold Band 176U Base Antenna!

# GMRS . . . Rx

by Judy and Bill Simpson, Communications Task Group

One aspect of GMRS that we have not discussed in "TONE" . . . or channel Gard . . . or PL (Private Line). In many instances, there are several different user groups on a particular repeated frequency, or possibly several repeaters in one location. Obviously, we don't want to listen to the conversations of some other group or business, yet we want to know that the channel is clear if we have occasion to talk. In the case of multiple repeaters, we don't want another group accessing our repeater, nor do we want to access the other repeater. This creates hate and discontent in a big way, and in certain areas, where the signals overlap, sounds like a bunch of cats getting their tails pulled.

To prevent the above problem, a circuit is placed in the repeater which hears and emits a sub-audible tone. Your radio is then equipped with the same type circuit. Let's assume that Joe and Betty REACTer are equipped in this fashion and Joe calls Betty, Joe's radio sends the carrier AND THE TONE to the repeater, which detects the tone and says "AHAH. This tone I recognize, so I can go to work." The signal AND THE TONE are sent as we discussed in earlier chapters and both are picked up . . . or heard . . . by Betty's radio. This radio is activated, so Betty hears Joe. All of this happens as the radios are "keyed." Now, let's add Herbert Businessman, who didn't hear a word of the conversation because he's on a different TONE. Joe and Betty did not interrupt Herbert's train of thought (he's working on a land acquisition), and they completed their conversation and signed off.

There's a couple of important points to be made here: Neither Joe, Betty nor Herbert have a true private frequency. Herbert could have listened to Joe's conversation simply

by flicking a button on his radio. Incidentally, this is required under FCC laws, part 95. All users MUST monitor the channel before transmitting to make sure that no one else is using the frequency.

Repeaters can be built with multiple tones, and several different groups can use any one repeater, without interfering with one another. The transmissions are simply blocked by the receiving radio, and effectively not "heard."

Should an unauthorized person attempt to activate the repeater, it would be necessary for them to have the tone for the repeater. This enables the repeater owner to maintain some semblance of control over use of the repeater, and prevent unauthorized parties from infringing on the rights of those purchasing time on the repeater. Incidentally, the most widely used tone for REACT Teams is 141.3 Hz.

If a repeater is not toned, it is called "carrier squelch" and is usually available to anyone on the frequency, although paying users tend to guard their privileges. Actually there seems to be an unwritten law that any REACT member can access another REACT Team in another town. This means that I could travel to Daytona Beach and have repeater privileges simply by contacting the local repeater owner, or user, and requesting permission.

I realize that many of the purists will cringe at this simplified explanation of CTCSS, but guys, or gals, if you have a complaint, call or write. This is an attempt to explain GMRS to those who are not using it, or who don't understand it. Questions and comments can be addressed to Communications Task Group, 10076 Holly Lane, Des Plaines, IL 60016.

WORLD BAND RADIO



## WORLD BAND RADIO

By R.C. Watts

I want to avoid trying to be a "news hound" because that is better done by others. Most news developments are well covered by the monthly Popular Communications or Monitoring Times. Even their news is sometimes stale and they are frequently "scooped" by the club bulletins and the DX programs broadcast by several stations. So here is some news:

Of interest to Australians, who had their VNG time signal station closed, is that the Australian Navy has begun broadcasting time signal to fill the gap. This station can be found on 6448 and 12982 KHz. I, for one, hope this service can continue.

Tennessee folks may be interested in knowing that their state will become an international shortwave broadcaster with WWCR in Nashville. This will be a religious station. Listen for it later this year or early next.

I am a big fan of the U.S. Coast Guard, having heard some great search and rescue operations on 2670 and 5696 KHz USB. Using a portable radio and only a short length of inside wire for antenna, here in Kentucky I can frequently hear the USCG as far away as Hawaii and Alaska. The Canadian Coast Guard is great too, but strangely I have trouble hearing them.

U.S. Air Force fans will enjoy Global Command and Control System stations around the world on USB on various shortwave frequencies (try 6727, 8993, 11176 and 15015 KHz). Stations in Panama, England, Phillipines, Japan and several other locations.

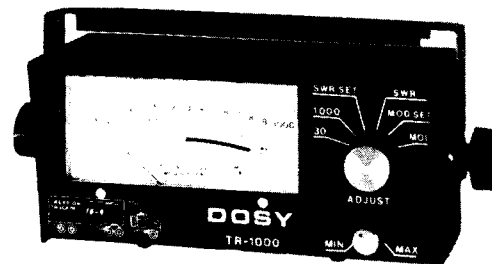
In closing, school teachers and students alike should be aware of The International Monitoring Association for Students and Teachers, which seeks to promote the educational qualities of radio monitoring. Additional information may be had by sending a self addressed, stamped envelope to IMAST, 2424 Sunset Hwy., East Wenzatchee, WA 98802.

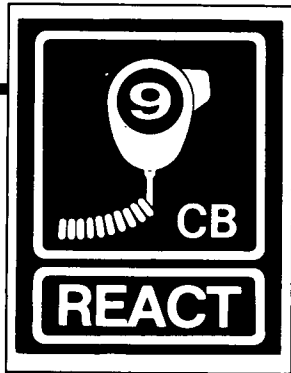
## DOSY TR-1000 REMOTE WATT METER

Featuring an ALL NEW internal design providing improved accuracy and low loss, a mobile mounting bracket and a large 4½" back-lighted meter which reads two ranges: 0 - 30W and 0 - 1000W; also has an SWR bridge and modulation meter. May be left in antenna line continuously.

### Elkhart Enterprises Corporation

25856 Forest Hill Ave., Elkhart, IN 46514 PH (219) 262-1401





# Publicizing REACT

by Bob Riechel and Ron McCracken

## Always help

On-air PR is some of the best (or worst) your Team can get. Be sure it's the best.

Recently we heard a monitor field a "skip" call. Instead of acting to help, he/she told the caller to "contact someone closer." How many others heard it?

A chance for some great PR gone sour. Perhaps a chance to save a life missed. He/she may have been the *only* station in a position to render aid.

Almost every state/provincial police body will accept your COLLECT emergency call. Be sure to tell the operator *and* the answering officer, that "this is an emergency."

Should that route fail, you simply go another. Call your own state/provincial police. That will be a local or a toll-free call. Ask them to relay your details to their counterparts in the state/province concerned. They will be glad to.

As REACT Teams issue more and more CLIP cards and litter bags, *correct* "skip" calls are increasing. Be prepared. Devote a Team meeting to this important topic. Invite a state/provincial police officer to attend. More good P.R.

Always help. Be sure every Team member knows how to handle "skip" calls. They can bring your Team great P.R. The media loves unusual occurrences. "Skip" successes will interest them for sure.

## Freebies

"FEMA-20" is a catalog full of leaflets, etc., available to your Team for use in its safety education programs. Write for a free copy: FEMA, Box 8181, Washington, DC 20024.

## Drinking/Driving Video

Write for a "Th!nk" music video, leaflets, etc., to use in your mall safety displays, speaking engagements, etc. Visual aids are more powerful. They get attention. Use videos and films in your presentation. Check your public library, police agencies, Operation Lifesaver, Red Cross, etc. for lists. Address for this freebie is: "Th!nk" Video Kit, NHTSA, Mr. Rick Smith, 400 Seventh St., S.W., Washington, DC 20590. Tel: 202-366-2121.

In the January-February 1988 issue we advised you about the March 4th and 5th ASTM organizational meeting on Search & Rescue to be held in St. Louis. This meeting was to discuss developing procedures to "hopefully" be adopted across the U.S. by those agencies involved in Search & Rescue. Some REACT Teams are very involved in Search & Rescue. We are happy to summarize here the minutes of this meeting. Their next meeting will be held December 3-4, 1988 in Phoenix, AZ. If you desire more information, contact Wendy Dyer, ASTM 1916 Race Street, Philadelphia, PA 19103-1187 phone (215) 299-5400.

ASTM, a not-for-profit corporation organized in 1898, is a management system for the development of voluntary consensus standards for materials, products, systems, and services. It provides a legal, administrative, and publications forum within which producers, users, ultimate consumers, and those representing the general interest (representatives of Government and academic) can meet on a common ground to write standards that best meet the needs of all concerned. The areas to be studied are (1) Equipment & Uses, (2) Organization & Management, (3) Personnel Training & Education, (4) Search Operations & Techniques, (5) Rescue Operations & Technology, and (6) Terminology. Dates for future meetings are: December 3-4, 1988 in Phoenix, AZ; May 20-21, 1989 in Kansas City, Mo; November 25-26, 1989 in Orlando, FL; and May 19-20, 1990 in San Francisco, CA.

The Search & Rescue Subcommittee's scope is to: "Organize to promote knowledge and develop classifications, guides, practices, specifications, and test methods for the organization, direction and control of Search & Rescue activities." The Personnel Training & Education Subcommittee's scope is to: "organize to promote knowledge and develop standards for training and education." The Communications & Electronics Subcommittee's scope included "Radios, Phones, Frequencies, & Radio Locations." REACT, in its community service activities should at least be aware of this group and by becoming involved, REACT will be publicized. Did any REACT member attend any of these meetings? If so, please advise International.

Any activity REACT Team members become involved in will in some way have publicity implications even if you do NOT plan on it. Northwest REACT Team 2867, Box 5274, Aloha, OR 97006, is planning a Team picnic which should generate P.R.

The Washington State REACTer, 5320 130th P.L. N.E., Marysville, WA 98270 reported that Spokane Co. REACT is putting in a bid for the 1990 International Convention. Just the effort of putting together this bid will generate much P.R. for REACT and especially Spokane Co. The Wisconsin State REACT Council, the hosts of the 1989 International REACT Convention, are already generating P.R. for REACT as well as for REACT in Wisconsin. Write them: P.O. Box 228, Pewaukee, WI 53072 to find out about the P.R. they are generating. Radio Waves from the Garden State, New Jersey Council of REACT Teams, P.O. Box 1351, Laurence Harbor, NJ 08879, reported that Mr. Dick Cooper of Hamilton-Mercer REACT Team won the K-40 4th quarter award. Winning this award generated P.R. for both K-40, REACT, the New Jersey REACT Council, and Hamilton-Mercer REACT. Triple C REACT Team 4054, Box BC, Bethel Island, CA 94511 and Bruno Markert, seem to be in the local papers almost every issue. Bruno has been heard to say that he even has to turn down requests for articles so as not to oversaturate the press. Bruno should be glad to share with you the results of his P.R. work and some of his "in print" P.R. articles.

The Kingsville REACT Monitor, Box 330, Kingsville, TX, 78364-0330 desires to exchange newspapers. This is a new newspaper to this writer.

This next column will carry the list of all entrants in the 1988 REACT Team and Council newspaper judging held at the International Convention in Roanoke, VA. If, as in the past, these newspapers will be very representative of the ways REACT is relating publicly in their community and how they are being accepted. As is listed in this column, you can contact other REACT Teams and Councils and they will probably be very happy to send you a copy of their latest newspaper so you can see what they include and how they are received. This sharing will benefit both of you. Of course, with your request, you will forward a copy of your paper, if you have one.

If you would like to exchange your newspaper or would like to receive other Team or Council newspapers, drop this column a note so stating which and your Editor's full name and address including zip code. This column will attempt to publish as many as I can to help YOU expand this newspaper exchange.

Publicizing REACT Column  
Robert M. Riechel  
P.O. Box 563  
San Bruno, CA 94066-0563



## Letters We Like to Get

Mr. Paul Veen  
Oakland County REACT, Inc.  
5640 Williams Lake Road  
Drayton Plains, Michigan 48020

Dear Paul:

My hat's off to you and all the members of Oakland County REACT for the super support given to us at the 12th running of the West Bloomfield Half-Marathon on Sunday, April 17.

Your people are such a valuable resource to us — you know it wouldn't be the same race without your smiling faces.

Thanks for everything. You are all true professionals. Please pass on my personal regards and thanks to everyone. I look forward to working with you next year and seeing you again.

Kindest regards,  
Sally Slater Pierce, Race Director  
West Bloomfield Parks and Recreation

To whom it may concern:

At 12:20 a.m. Wednesday morning 5-4-88, I received a call from a Mr. Joseph Lorey, who is with the REACT in Jasper, Indiana, advising he had picked up a skip on his CB radio about a major accident involving a man on a motorcycle on 67 west of Ballinger, Texas. As soon as I got the telephone call, I immediately dispatched an ambulance and highway patrol to the scene which was approximately 6 miles from Ballinger, Texas.

Our ambulance arrived at the scene at 12:26 a.m. The trooper arrived at the scene at 12:30 a.m. At the time of the call received by your REACT member, all of this was done in approximately 10 minutes. It is amazing how something like this could happen, with all of the distance in between.

To sum this up, you should be thankful you do have people standing by to monitor calls, and be proud of them (your REACT members).

Sincerely,  
Janice Amarine, Dispatcher  
Ballinger Police Department, Texas

## Council Events

The North Carolina REACT Council, Inc. and #C722 Cumberland County Fort Bragg REACT Association lost a faithful member and friend in May. Lenny Berg of Hope Mills, N.C. passed away after a lengthy fight with cancer. Lenny will be remembered by all who knew him as a good Team member and worker with the March of Dimes. He was also director of the Southern Regional District of the North Carolina REACT Council.

## Uniden Acquires Regency's Consumer Products Division

The Consumer Products Division is made up of scanner, including the new INFORMANT series, and the POLARIS line of marine radios. Also included in the sale are inventory, parts, patents (including the innovative new TURBO SCAN TECHNOLOGY) and trademarks.

Paul Davis, Executive Vice President of Uniden, said "We are very excited about the sales potential for Regency within the Uniden family of products. We plan to add a number of new models and diversify the product lines of Regency by the end of 1988." The Regency name and present CB model line has been maintained with Uniden

products added to complement and complete the line.

Uniden Corporation of America's principle business is the sales and marketing of communications equipment. With Jack Nicklaus as its Corporate Spokesman, Uniden markets a wide range of consumer and commercial electronics including CB radios, cellular telephones, cordless telephones, radar detectors, Bearcat scanners, satellite receivers, marine products and two-way radios. Its parent company, Uniden Japan, manufactures a wide range of products for companies throughout the world.

# one breakthrough after another

## Midland's Power Max.

### The first entirely new high performance CB in a decade.

We started from scratch, with drivers who demand uncompromising quality in CB communications in mind.

Developed a new transmitter with high level modulation so refined, no other CB beats its talk power.

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Then we put all this new technology into a sleek, stylish cabinet and added even more features, like

microphone gain boost... RF gain... bright dim switch... instant channel 9 and 19... and an S-RF-Modulation-SWR bar meter.

Power Max, model 77-250. Superior performance at a competitive price has rocketed it to the top. It's one reason our whole line of CBs is the hottest in the industry.



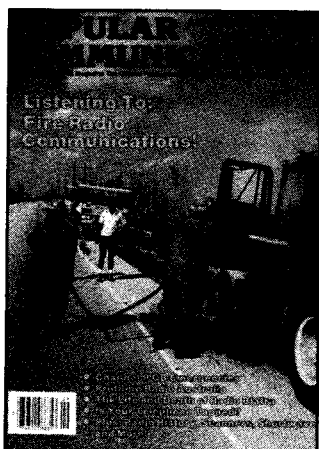
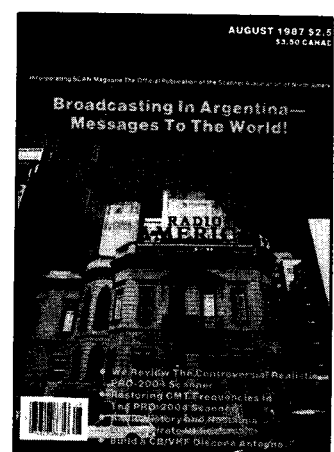
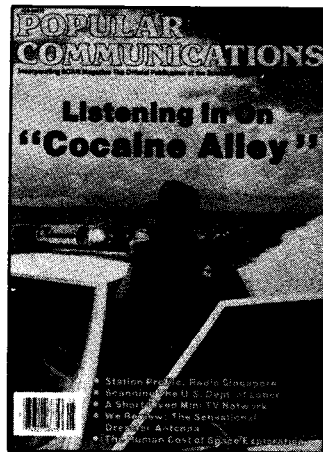
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**Be sure to include your name and address!**

## CALENDAR OF EVENTS

**August 6** — Kentucky State REACT Council Annual State REACT Convention at Fort Boonesboro State Park. Registration begins at 10 a.m.

**August 14** — New Jersey Council of REACT Teams annual picnic.

**August 21** — Northern California REACT Council meeting, hosted by Merced County REACT.

**Sept. 14-16** — NVOAD Region V Conference (Ohio, Indiana, Illinois, Michigan, Wisconsin, Minnesota) at Conference Point in Lake Geneva, Wisconsin. For more information contact Marvin Miles, ARC - Central Illinois, 1224 North Berkeley, Peoria, IL 61603 (phone 309/674-7171).

**September 17 & 18** — North Carolina REACT Council third quarter meeting at Henderson, NC.

**September 24-25** — Midwest REACT Conference, hosted by Sedgwick County REACT #4208 and Kansas REACT Council. Registration, \$30.00, includes lunch and banquet dinner. Days Inn, Kellogg & Broadway, Wichita, KS. For more information contact: Roy Ekstein, 1312 N. Scouler, Wichita, Kansas 67212; (316) 942-1082.

**October 16** — New Jersey Council of REACT Teams meeting in Vineland, New Jersey, hosted by Citizens REACT.

**November 13** — Regular meeting of Kansas State Council of REACT Teams at the Western Sizzlin Steakhouse in Salina, Kansas, starting at 1 p.m.

**November 20** — Northern California REACT Council meeting, hosted by REACT of the Golden Gate. Elections will be held.

**December 11** — New Jersey Council of REACT Teams meeting in Somerville, New Jersey, hosted by Somerset County REACT.

**November 5** — Texas State REACT Council meeting in San Angelo, Texas.

**November 5 & 6** — North Carolina REACT Council fourth quarter meeting at Selma, NC. Elections will be held.

## ☐ Team Events



Left to right, Rex, Linda and Thomas Cameron, Team President Willie L. Duke.

**#3032 Vance County REACT, Henderson, North Carolina**, presented Rex, Linda and Thomas Cameron with money to be used towards hospital bills incurred for nine-year-old Thomas. He suffers from osteomyelitis, a disease that destroys muscle tissue and bone. Cartilage between bones in one leg has been destroyed, resulting in very limited activity for the child. Two operations have helped; however, therapy and ongoing treatment are costly. Our Team held a bake sale recently to benefit the family.

**#C238 Oakland County REACT, Drayton Plains, Michigan**, worked its first community activity of the year. Team members reported the runners' positions to the race director for the West Bloomfield Half-Marathon and also provided transportation to runners who decided to leave the race.

Awards were presented to Frank McMahan, Bill McMahan (Frank's son), Jim Callihan, and Ed Sargent for completing 100 monitoring hours. Recognized for 500 hours of monitoring were Paul Veen and Linda Dickerson. Jerry McMahan (son of Frank and brother of Bill) received his certificate for completing his training course.

Our office is being remodeled. The Community Activities, Inc. which provides the space for our Central Base, has recently approved an expansion. This will almost double our present area and give us room to separate the monitoring console from the desk and files. It will also give us room to add a conference table and more storage.

We've earned over \$1,100 this year by working refreshment stands at the local Silverdome (sporting arena). Our monitoring hours for March totaled 387 hours with 151 calls taken and for April, 344 hours with 135 calls.

During a recent community event we experienced some deliberate interference from local mobile operators. Their transmissions were routinely recorded at the

Central Base console, and through investigation by our Radio Interference Report Committee the illegal operators were located. We are trying to reduce the number of illegal operators on Channel 9 as well as our other operations channels.

**#3880 Muskegon County REACT, Muskegon, Michigan**, attending the safety coffee break seminar held April 23 in Lansing by the State Police. Also some of the members helped out with the March of Dimes Walkathon. On May 7 we helped with the West Shore Christian Academy Walkathon, an all day event. At 10:00 p.m. the Team was called out for a severe weather watch. It was more like a drill because we got the all-clear after being out about 45 minutes.

**#1585 Metro REACT North-Floyd County, New Albany, Indiana**. Warren and Lucille Bruce were honored by Louisville, KY Chapter, American Red Cross, during the annual Volunteer Appreciation Luncheon on June 8, 1988 at the Galt House. Warren and Lucille have helped the New Albany, Indiana, Red Cross Service Center, during many disasters and emergencies.

Both have sustained injury while on duty and continued their volunteer work despite illnesses. They were recognized with the Outstanding Volunteer Award, which they accepted on behalf of all the Red Cross volunteers who are also REACTers.

# Skip on CB-9 — Problems and Opportunities

While passively monitoring channel 9 one morning I hear "that breaker on I-35 in Texas keep trying for a local REACT base for help... Burke County REACT #3420 clear." Hearing I-35, which goes through Kansas, I became curious. I opened the squelch on our Cobra 2000 and turned up the volume. The Burke County REACT unit again repeated his broadcast and hit me at ten S-units on our base. I then faintly heard the caller ask for assistance for his disabled vehicle. I looked up Burke County REACT #3420 and found it was in Drexel, North Carolina. Amazing, listening here in Wichita, Kansas to a North Carolina REACT monitor responding to a Texas caller. Since then I've heard several such SKIP calls.

Monitors and radio users who have been around more than a few years have experienced SKIP and what it can do to their communications. SKIP results from radio transmissions hitting the earth's ionosphere, which has been warped by solar radiation (sunspots), causing the radio signal to travel a non-normal pattern.

The increased number of sunspots occurring will affect the ionosphere more often and create more SKIP. Scientists have plotted the number of sunspots occurring each year and determined there is about an eleven year cycle between high and low sunspot activity. The National Telecommunications Information Agency has prepared the graph shown here. The graph shows we are about to enter the most active portion of predicted sunspots during cycle 22.

In this graph you will observe three predicted sunspot activity curves: curve A — the lowest (least number of sunspots); B — the median and; C — the highest activity. Notice, late 1989 will be the highest point of sun activity. This may mean your daytime CB communications won't get you across the street, but instead will take you across the world. With this in mind REACTers must concern themselves with their CB-9 communications.

Any communications involving danger to life or property is a concern to REACT monitors. It doesn't really matter where the call originates from. If you, as a monitor, can take the call, get all the information needed, relay this information to the proper authorities and make the critical difference in the response time for getting help to the caller, then do it. There is no FCC limit to the distance of such emergency communications.

We know of many emergency SKIP calls handled by REACT monitors that saved lives. In most cases, no one else heard the call for help. So the monitor in another state or even country did make a difference.

Handling a SKIP call requires different procedures than handling a local call. (1) You may have only a short time to get all the information — so get it all down quickly and right the first time, you may not be able to

reestablish a second contact. (2) Be sure to get their exact location (city or county) and state. Highways are in more than one state and each state starts the mileposts over again. (3) Call your local 911 or Highway Patrol to get assistance in relaying the information to the right place — they have the reference books, telex and ways to relay the call. You won't have time to look up the local area code and calling information. You may also find a REACT contact directory helpful. Telephone operators are very helpful if you explain the emergency situation and your need for establishing the call.

Handling SKIP is basic common sense according to George Rhodes of Orange County REACT #C399, Anaheim, California. Here are some of his common sense guidelines:

**Use restraint and common sense.** SKIP complicates the communications picture, so try to figure out what's going on before REACTing. If the party broadcasting the emergency info appears to be talking to someone, your help is probably not needed. If the 10-20 is "downtown" the emergency will probably be handled locally before your information can get there. Use common sense before keying up. And don't key up unless necessary.

**Make sure it's an emergency.** Make sure it's a real emergency. Monitors handle a lot of local nonemergency and low-level emergency calls — stranded motorists and

debris in the road and other events with a low probability of serious injury or substantial property damage. So, when working SKIP set your qualifications for "emergency" a notch higher. Only respond to unquestionable emergencies. Here are some examples:

**Injury** — Injury traffic collisions (not "fender-benders" with complaint of pain).

**Medical Aid** — Heart attacks anywhere, "person down" in remote locations only.

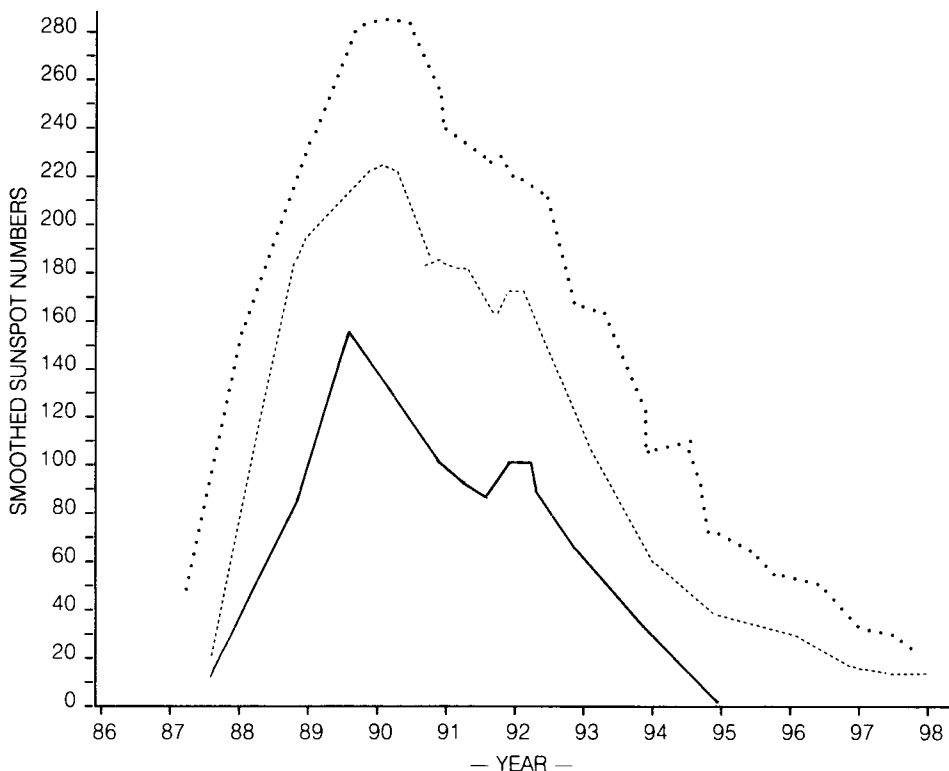
**Viability** — People lost or stranded in wilderness.

**Property Damage** — Brush or forest fires generally qualify. Most vehicle fires and structure fires don't.

**Be aware of the time element.** It takes time to get the long distance info to its destination. Don't get involved with emergencies which will naturally expire by the time your information arrives at its destination. For example, most vehicle fires will have done their damage by the time you can get your information across. "Rollers", such as deuces or reckless drivers can't be handled practically via long distance landline.

**Keep it short.** Don't add to the clutter. Weigh the probability of your potential for helping against the probability of covering more important traffic. Don't clutter the frequency trying to establish contact. Keep your transmissions as short as possible and

*continued on page 13*



CURVE A — LOWEST ——— CURVE B — MEDIAN - - - - - CURVE C — HIGHEST . . . . .

# KW 1000 . . .

## 58% BETTER THAN THE K40\*



### **KW 1000** has 58% *more power gain* than the K40\*

- Proven by tests at Lockheed Corporation Antenna Test Laboratory.
- **KW 1000** transmits farther than the K40.
- 1000 Watt power handling capability (ICAS).
- 5 year guarantee
- Made from GE Lexan Thermoplastic (Same material used for bullet-proof windows).
- Silver-plated coil and internal connections.
- Exclusive low loss coil design (Patent Pending).
- 17-7 PH Tapered spring stainless steel whip.
- Stainless steel trunk mount
- Frequency range 26.9MHZ to 28.5 MHZ.

**KW 1000**  
**CB & AMATEUR ANTENNA**

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**Wilson**

## **KW1000:**

**Guaranteed To Transmit And Receive Farther Than K40 Or Any Other Mobile Antenna Or Your Money Back.\*\***

**C**Bers and amateurs throughout the world will recognize Jim Wilson's name - thousands of you are still enjoying the superior performances of CB base station and microwave antennas (such as the Shooting Star and the Laser Beam) that were developed for you in the past by Jim while he was founder and president of Wilson Electronics and Wilson Microwave.

Jim wasn't satisfied with the transmitting performance of the K40 CB mobile antenna. The antenna just did not seem to have nearly the same transmitting power range that his 102" whip had. He

decided to test the K40, along with other base loaded antennas, and found that they had much lower transmitted power output compared to a 102" whip. Checking the antennas in the laboratory, Jim found that they had excessive power losses in the loading coil and matching networks. After identifying the problems and knowing how to correct them, he then developed a CB antenna that would have maximum power gain and the durability that would last for years.

Now, after two years of development, the Wilson **KW1000** is here! We say it is the best per-

forming, most powerful base loaded CB antenna available. To prove the **KW1000's** superior performance, we hired Lockheed Corporation to test our new antenna on their multi-million dollar Antenna Test Range. The test was conducted using one of the best known CB Antennas on the market, the K40 Electronics Company, K40 Antenna as the standard reference. The **KW1000** was determined by Lockheed Engineers to have on 27405 MHZ (channel 40) 58% more gain than the K40 Antenna. This means the **KW1000** can transmit and receive farther than the K40.

Wilson Antenna Company Inc.  
 3 Sunset Way Unit A-10  
 Green Valley Commerce Center  
 Henderson, Nevada 89015

Subject: Comparative Gain Testing of Citizen's Band  
 Antennas  
 Ref: Rye Canyon Antenna Lab File #870529

We have completed relative gain measurements of your model KW-1000 antenna using the K-40 antenna as the reference. The test was conducted with the antennas mounted on a 16' ground plane with a separation of greater than 300' between the transmit and test antennas. The antennas were tuned by the standard VSWR method. The results of the test are tabulated below:

FREQUENCY(MHZ)	RELATIVE GAIN(dB)	RELATIVE POWER GAIN(%)
26.965	1.30	35
27.015	1.30	35
27.065	1.45	40
27.115	1.60	45
27.165	1.50	41
27.215	1.60	45
27.265	1.75	50
27.315	1.95	57
27.365	2.00	58
27.405	2.00	58

**58%  
 MORE  
 POWER GAIN  
 THAN THE  
 K40**

A complete description of this test is contained in file #870529. Excerpts of this report are enclosed.

*Louis Wilson*  
 Louis Wilson, Antenna Engineer  
 Electromagnetics Laboratory

Approved:  
*W. C. Weikel*  
 W. C. Weikel, Group Engineer  
 Antenna/ATS Support Laboratory

Enclosures

\*In tests conducted by Lockheed Corporation, one of the world's largest Aerospace Companies, at their Rye Canyon Laboratory and Antenna Test Range, the Wilson **KW1000** was found to have 58% more power gain than the K40 Electronics Company, K40 CB Antenna. This means that the **KW1000** gives you 58% more gain on both transmit and receive. Now you can instantly increase your operating range by replacing your K40 with a **KW1000**.



**KW1000 TRANSMITS FARTHER THAN THE K40**

\*Based on Lockheed Test Report at 27405 MHZ plus or minus .1 DB Measurement accuracy.

## WHY THE KW1000 PERFORMS BETTER

The **KW1000's** higher gain performance is a result of several new design developments that bring to you the most powerful CB base loaded antenna available.

A large portion of the power that goes into a typical base loaded CB antenna is lost as heat in the coil and as dielectric heat loss in the plastic inside the coil form. (As an example, the K40, one of the best known CB antennas on the market, has solid plastic on the inside surface of the coil wire.) Many CB antennas lose more than 50% of the power put into them. The power is thrown as heat loss and not radiated as radio waves. Another weak link in other CB antennas is the capacitor used to match the coax to the antenna, which is a cheap and easy way to make the SWR look good, but has lots of power loss, plus blows out when high power is applied to it.

The first priority was to reduce the dielectric loss by removing as much of the plastic inside the coil as possible. This was accomplished by suspending the coil in air, supported only at four small points, 90° apart, in effect removing 95% of the plastic from the inside surface of the coil. This reduced the dielectric loss to a negligible amount.

The second priority was to get rid of the resistive heat losses in the coil. Since most of the RF energy at 27 MHZ travels on the surface of the wire, it was decided to increase the surface area by making the diameter of the wire larger 10 GA copper. Since silver is a much better conductor than copper, although very expensive, the wire was heavily silver plated. This reduced the resistive loss to a minimum.

Finally, to get rid of the losses in the matching between the coax and the loading coil, the lossy capacitor was eliminated and a more difficult but more efficient means of coupling the antenna was used. A Scalar Network Analyzer was used to determine the very precise point to direct match the coil with the coax and obtain the best match with maximum power transfer, which gives the **KW1000** 1000 watts of power handling capability.

So far you have read about why the **KW1000** performs better, but the **KW1000** is also the most rugged antenna you can buy. It is made from General Electric's Thermoplastic Lexan, the same plastic used for airplane windows and bullet-proof windows. It costs a lot more, but it's the best available. The threaded body mount and the trunk mount cone are both made of Quality Stainless Steel; all of these are the reasons you get a 5-year guarantee and your **KW1000** is guaranteed to outperform any CB mobile antenna or your money back.

Made from GE Lexan Thermoplastic Used for Bullet Proof Windows

Silver-plated coil and internal parts and connections

Floating Coil Eliminates 95% Dielectric loss (Pat Pend)

High power matching to handle 1000 watts of power

Stainless Steel Trunk Mount



# KW1000

**SIGNATURE SERIES**  
**STANDARD SERIES**

**SIGNATURE SERIES \$169<sup>95</sup>**

**STANDARD SERIES \$89<sup>95</sup>**



Wilson KW1000 Signature Series Includes Your Name or Call Sign in Gold Print. Mast and Mount 24K Gold-Plated. Available in White or Black.

Wilson KW1000 Standard Series, Same Performance as Signature. Chrome Plated Available in White or Black.

## KW1000 DOUBLE GUARANTEE

### 5 YEAR GUARANTEE

Wilson Antenna Inc. Guarantees the KW1000 antenna to be free from defect in material and workmanship that effect performance for a period of 5 years from date of purchase. This guarantee shall not cover any misapplication or abuse of the KW1000. This guarantee does not include the 18 ft. coaxial cable which is warranted 1 year.

### PERFORMANCE GUARANTEE \*\*

The KW1000 will transmit and receive farther than the antenna it replaces or your money back. This guarantee is good for 15 days from date of purchase.



Requires 7/8" Hole

KW1000 Typical Roof Mount.



Trunk Mount Accessories



\$24<sup>95</sup>

Magnet Mount Optional Heavy Duty 200 Lb Pull.

KW1000



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KW1000



100% AMERICAN MADE



During my REACT years, I've listened with interest to arguments concerning the monitoring of channel 9 from a mobile. As members say you can't do that, I simply have to answer "Why not?" REACT Teams profess to serve the motoring public by monitoring channel 9, and usually reward monitors with certificates and plaques. Why should we limit ourselves to monitoring from a base? After all, there are only a limited number of REACTers, and we are trying to cover the entire country . . . plus several countries outside the continental U.S. We spend money for radios for the car in order to participate in the many projects . . . let's get our money's worth.

The argument against monitoring from a car has always been "What can you do with a call that you take while driving?" The only criteria that any REACT Team has regarding the disposition of calls is that they be relayed to the proper authority, right? Let's look at some alternatives.

First, we could park outside the police station, and run inside to the desk everytime we hear something, but frankly it would be simpler to buy the police station a radio and antenna, and let them monitor. Besides, during a rainstorm, would you really want to get wet?

Our second alternative would be to carry a roll of quarters or dimes for the pay phones. But, are you aware that most telephone companies will place emergency

calls, simply by telling the operator of the problem. If you talk nice to her/him, the number might be provided as well.

The third alternative is the second radio, which will enable us to contact anyone near a phone. This could be in the form of GMRS, VHF, amateur, or business band. There are some things to remember when using another service. First of all, make sure that the owners and operators of the other system know and approve of your intentions. Assure these people that you will not infringe unnecessarily . . . and then you make sure that you don't! Provide the necessary phone numbers, so that they don't take their time to look up numbers. Any high volume dispatch operation requires a high degree of concentration . . . and anything out of the ordinary breaks that concentration. At least find ways to keep the break to a minimum. Talk with the guy/gal on the base. Assure them that you will not bother them with trivia. Above all be professional when on the radio. You may find that others on the system will follow your lead . . . and you suddenly may find another potential member. The next alternative is the mobile telephone. Many REACTers have purchased or rented this device for business . . . or just to have. The September/October issue of *The REACTer* (page 11) dealt with using the mobile telephone, so I won't waste too much of your time with this. Many of the bugs that were in the early systems have been removed . . . such as the ability to dial

911 . . . and get the correct city in some of the large metropolitan areas.

There's one final area that should be mentioned . . . the ability to contact members during working hours, or at times when a radio simply isn't appropriate. Did you ever consider pagers? These handy little critters can be rented, purchased, leased . . . or anything else. You may be able to cut a deal for the number of calls that are made, assuming they are all emergency. You may have tone pager, voice pager, or digital readout. You could even set up the system so that "one call does it all" for an emergency callout.

The survey that was sent out from REACT, International pointed out some very interesting ideas . . . for instance, did you know that 31% of the teams monitor two channels? How do you do that? I have trouble monitoring one, at times. Well, if you take a gander at the inside front cover of this publication, you will find a way to do just exactly that . . . all the time. No more switching back and forth between channels, or wondering if there are calls on channel 9. Whistler has introduced a CB radio that is capable of monitoring two channels simultaneously. It's not often that this column will be used for free advertising for a manufacturer, but this radio is so pertinent to the needs of REACTers, that I thought it worth mentioning. The survey results were printed in the March/April 1988 *REACTer*.

## "Skip"

from page 12

don't use those long-winded and needless call signs and station identifications everytime you key up. Just get the bare essentials and get out of the frequency.

**Make sure you've got a good 10-20.** The location is everyone's "bugaboo." Because some informants will use local names or conventions you may not be able to ascertain if the location you're given is definitive enough. However, most reports will use common road-related locations references. Here's the information you'll need most of the time.

Road Identifier — The name or number of the highway or road.

Reference Point — Usually the nearest major crossroad or milepost.

D & D — The direction and distance from the reference point.

State — The name of the state.

City — The county name or nearest major city (optional).

**Make a blind broadcast.** After you've assembled your report information make a blind broadcast for the benefit of any monitors near the location of your incident. Repeat the important parts (nature & location) of your report. Don't repeat the "window dressing." Here's an example.

"This is California, Orange County REACT

31 in the blind for any Texas monitor who can assist with an injury traffic accident on I-10 at Texas milepost 6-3-6; an injury accident on I-10 at Texas milepost 6-3-6. Orange County 31 clear."

**Ignore backlash.** Often when you handle a SKIP call, you get a backlash of stations asking questions to ascertain if they can help. After you've got the information don't respond to the curious and overly helpful people who tuned in late or just want to know what's going on.

SKIP also means you will be hearing other countries. Some Teams have called HQ and complained about the Spanish they hear on channel 9. Remember, we have REACT members in Puerto Rico, Trinidad & Tabago and Venezuela, all who speak Spanish. You might also hear other languages of REACT International affiliated Teams shown on page 5. So just because you and I don't understand what's being said, don't key up and interfere with a possible emergency broadcast.

More information about SKIP and how it benefits 10 meter amateur operations can be found in the article by Dave Newkirk AK7M of ARRL in *Popular Communications* May 88 issue.

## □ Team Events



**#3129 Lake Palestine REACT, Athens, Texas,** mourns the death of member Woodrow "Woody" Hedgecock. He was a faithful member until he became ill with cancer and had to drop out. He is shown here with the last project he worked on while Team President. We purchased and paid for the generator in three months by working Bass Tournaments and Rest Stops.

Woody's wife was presented a plaque from the Team for works well done.

## K40 REACT ACHIEVEMENT AWARDS



### FIRST QUARTER 1988 WINNERS

**INDIVIDUAL:** Winner of the K40 Award for the first quarter 1988 is **Mary Healer of Sweetwater, Texas**. Mary, Unit 12 of Sweetheart **REACT #2683**, has attended all Team meetings and three out of four Texas State Council meetings held during the last 12 months. She monitored 6570 hours in the same months, spending 18 hours per day on Channel 9.

Mary, known as "Momma Healer" in Sweetwater, has been active in REACT for 13 years and has been honored by the Sweetwater Jaycees for her work. She has spoken to many civic groups, organized the Happy Club for the mentally retarded, is adjutant for both the DAV and the VFW, and works with the American Red Cross in disasters. Mrs. Healer has attended four Life Saver courses, is first aid and CPR trained, holds a certificate on radiological hazard materials issued by the State of Texas, and trained in many mock disasters.

She's there when the Team needs her, helping feed law enforcement officers and firemen during several large range fires in 1988. Mary works two days per month distributing commodities to the needy. Her close work with all local law enforcement officials has earned her praise from them. She sold \$1,031.50 worth of fruit cakes in November 1987 to raise funds for a van for the Team. Mary and her husband received the best dressed uniform prize at the 1987 International Convention.

Mary enjoys REACTing for REACT, for it is here she can help people in need. After all that is what REACT is all about, people helping people. Individual runners-up are:

Robert C. Ward  
Caledonia County REACT #2424  
St. Johnsbury, Vermont

Ben L. Horejsi  
Davis County REACT #3722  
Layton, Utah

Don Younklin  
Manhattan REACT #2800  
Manhattan, Kansas

George Loftin, LM 294  
Orange County REACT #2791  
Panasoffkee, Florida

Robert Orsberg  
Manhattan REACT #2800  
Manhattan, Kansas

**The winning Team is Brownwood CB  
Emergency Unit REACT #C446, Brown-**

**wood, Texas.** They are a member of Area II, Texas State REACT Council. The Team was named "Team of the Month" by the Texas Council three times in 1984.

The Brownwood Team is heavily involved in monitoring Channel 9 (24 hours a day), civic endeavors, civic projects or uncommon accomplishments. They have innumerable letters of praise, commendation, and thanks from civic groups, law enforcement officials, and businesses in their community. The Team was also asked by the U.S. Army to be part of the "Crash Plan" for aircraft involved in "Operation Roadrunner," a big training exercise held in the central Texas area. Other than fire departments and EMS Brownwood REACT was the only civilian agency involved.

The Team is involved in ongoing educational endeavors. These projects, available to Team members and the public, have included a hazardous materials seminar put together by the Team and certified by the Brownwood Independent School District for four hours credit in continuing education for fire fighters and policemen, and a training exercise conducted as part of the March 1987 meeting of the Texas State REACT Council and critiqued by representatives from the FAA, N.T.S.B., law enforcement and fire departments.

Team runner-up is Broward County REACT #4694 of Davie, Florida.

### □ Team Events



Base station #2 Lake Fairfax Park was manned by Herndon REACT member Jim MacCue as Craig M. Cohen Fairfax County Walk Coordinator awaits information from one of the Mobile units patrolling the route.

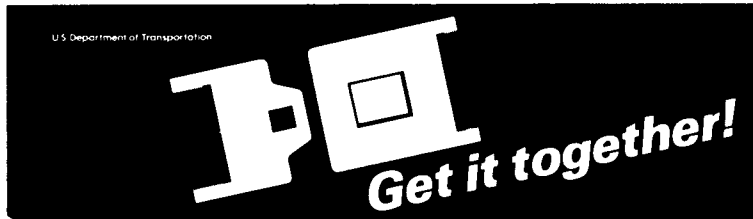
**#C332 Herndon REACT, Oakton, Virginia**, provided the emergency communications for the annual March of Dimes Walkathon at Lake Fairfax, Reston, Virginia. Biggers Associates (Domino's Pizza) supplied FREE pizza to all REACT personnel throughout the entire event. The walk at some points went through wooded areas and the Team had a member riding a fully equipped radio communications bicycle for additional safety of all walkers. We handled two problems: one woman who sprained her ankle but continued her walk after treatment by paramedics and a brush fire that was contained by the local fire department. The event was very successful both for the participants and Herndon REACT.

**#4639 Dubois County REACT, Jasper, Indiana** is currently working with local and state authorities as "Spotters" under the Skywarn program. For the first quarter 1988 our Team of nine members turned in 1,630 hours monitored on Channel 9, with a total of 29 road related calls logged.

On May 4, 1988 at 12:16 a.m. Joseph Lorey (President— took a call for an extreme

emergency at the site of a motorcycle accident. From the information it was apparent the caller was not in Indiana or anywhere within normal range of our monitor's station. As it turned out, the caller was on Highway 67, 4.5 miles west of Ballinger, Texas. A call to the Indiana State Police had the dispatcher on their WATS line to the Ballinger Police. At 12:26 a.m., just 10 minutes after the call originated, the ambulance arrived on the scene! At 12:40 a.m. the injured person was delivered to the hospital.

In 1987 our Team monitored a total of 4,914 hours and logged 150 calls. That may not sound too impressive; but, taking into consideration only two units were reporting, it wasn't all that bad, eh? Also included on the list of achievements for 1987 was receiving a Certificate of Commendation from the Indiana Department of Civil Defense for our participation in the statewide Earthquake Preparedness Drill, forming a closer association with the Jasper City Police Dept., and getting National REACT Month proclamations signed from Jasper and Huntington, Indiana.



## Secretary Burnley Urges Safe Summer Driving

Signaling the beginning of the summer travel season, Secretary of Transportation Jim Burnley urges all motorists to buckle up, not to drink and drive, and to obey the posted speed limits.

"Safe driving habits can prevent summer outings from becoming summer tragedies. You can double your chances of escaping serious injury in a crash, just by taking a few extra seconds to buckle up. The risk to small children can be reduced by two-thirds through proper use of a child safety seat," Burnley said. "Children who buckle up every trip could well grow up with 'a habit for life,'" he added.

The Secretary urges everyone who will be attending social gatherings, where alcoholic beverages are served, to designate a driver before the festivities begin. The importance of not driving under the influence is underscored by the fact that alcohol or drugs are involved in over half of the motor vehicle crashes that result in fatalities. Motorists should also note and obey all posted speed limits.

Burnley noted that tens of thousands of lives have been saved in the last few years because Americans are taking highway safety seriously. "As a nation we are avoiding drinking and driving, and we are taking the precaution of buckling up," he said. Currently, all 50 states and the District of Columbia have minimum "age 21" drinking laws, 32 states and the District have laws requiring safety belt use, and all 50 states and the District require child passengers to be protected.

Safety devices offer the greatest protection when they are used correctly. Safety belts should fit snugly. The shoulder belt should be positioned over the shoulder, and with little or no slack. The lap belt should be across the pelvis and *not* the abdomen. If the belt loosens, a quick tug will remove the slack. The best place for the child safety seat is in the back seat of the car, installed according to the manufacturer's instructions.

## Air Bags and Automatic Belts Bring Insurance Discounts

The National Highway Traffic Safety Administration (NHTSA) today released a summary listing of major automobile insurance companies offering discounts on personal injury and medical payment coverage for automobiles equipped with automatic safety belts or air bags.

NHTSA Administrator Diane K. Steed said, "Air bags alone can reduce the chance of fatality in crashes by 20-40 percent and, combined with a lap belt, can reduce the risk by 40-50 percent. Even more effective is the air bag in combination with lap and shoulder belt, which can reduce the chance of a fatality by 45-55 percent."

According to NHTSA, most insurers provide discounts for automobiles equipped with factory-installed automatic crash protection. The discounts apply to premiums for medical payments for occupants of the insured automobile, or, in states with no-fault insurance, to personal injury protection for the occupants of the insured vehicle.

Steed explained that the United Services Automobile Association (USAA), an insurance company for military officers and dependents, recently announced an incentive program to encourage its members to purchase cars equipped with air bags. USAA is offering a 60 percent discount on personal injury and medical payment coverage for cars with air bags and a \$300

direct payment for the purchase of an air bag. Other features of the USAA program include the free replacement of an air bag after a collision and if one should deploy due to a malfunction. There are also incentives for dealers to sell air bag equipped cars.

Steed said the dollar amount saved from these discounts varies from state to state and some states set their own discount policies. Although the company discount policies listed below have been filed nationally or in the states where the companies do business, not every state insurance department has adopted them. Hawaii, Massachusetts, North Carolina, Texas, Illinois and Kentucky do not permit the discounts.

"Air bags are standard equipment on certain models of the Acura, BMW, Chrysler, Dodge, Mercedes, Porsche and Volvo. Optional air bags are offered on certain models of Ford, Mercury, Oldsmobile, Porsche, Saab, and Volvo. At this time, only Porsche is offering passenger side air bags as well as driver side protection. By 1990, the annual production of cars with air bags is expected to exceed two million," Steed said.

Shown below is a chart released by NHTSA listing insurance companies' discounts.

### LEADING AUTOMOBILE INSURANCE COMPANIES WITH DISCOUNT POLICIES

(As % of personal injury or medical payment premium)

COMPANY	AIR BAGS		AUTOMATIC BELTS
	Driver	Full Front	
Allstate.....	20%	30%	30%
Nationwide.....	25%	40%	10%
State Farm.....	20%	30%	10%
Liberty Mutual.....	20%	30%	30%
Aetna Casualty.....	30%	30%	30%
USAA.....	60%*	60%*	30%
Travelers.....	15%	30%	30%
GEICO.....	30%	30%	30%
Continental Casualty.....	30%	30%	30%
Prudential.....	30%	30%	20%
Hartford.....	20%	30%	30%
AMICA.....	30%	30%	30%

\*Plus Additional Incentives

**WIN A  
SHAKESPEARE  
BIG STICK  
GOLD BAND  
176U  
BASE ANTENNA**

TURN TO PAGE 21  
FOR DETAILS!

## □ Team Events

**#2609 Bay Area Emergency Radio REACT, San Jose, California** goes to the movies. Cinemastar Productions are shooting a picture in this area. It is based in San Jose; but location shooting is all over, from San Jose to Oakland.

When we realized how much work would be entailed, how many radios would be needed, and, most especially, the number of volunteers required, we put out a call for volunteers. **#C373 REACT of the Golden Gate, San Bruno, CA; #4041 Mission Peak REACT, Fremont, CA; and #2950 Stanislaus REACT, Ceres, CA** came quickly to our rescue. It is one of the biggest undertakings, particularly in the location department, that we have ever done.

The name of the picture, a horror comedy, is *The Vineyard*. It stars Mr. James Hong who has been in many pictures over the past 35 years. Recent appearances have included *Missing In Action* with Chuck Norris, *Big Trouble In Little Chinatown* with Kurt Russell, and as a guest on the television

series, *Beauty and the Beast*.

The Communications Control Center is being handled from the home of Mervin Lee, our President. The radios in use were GMRS. It took all the radios available, considering the amount of land coverage as they went from one place to another for their location shooting.

Tony Goodman, our Public Relations Chairman, has worked very hard, putting everything together. He has been available both for the Teams and for the Cinemastar people. The producers, with a *little* push from Tony, have promised that the Teams will be on the list of credits.

To Lester Chew and Kevin Parrish of REACT of the Golden Gate we give our special THANKS for taking the time to get the auxiliary repeaters on line in time for the start of the production. And a very special thank you to Motorola, Menlo Park Service Center for allowing us to use their repeater at night and weekends until the finish of the production.



Pictured here at the Kick-off Cocktail party are (left to right): Richard Person, Stanislaus REACT; Mervin Lee, Bay Area REACT; James Hong and Rex Harwood, Mission Peak REACT.

## Volunteer Protection Act Receives First Hearing

WASHINGTON, D.C.--Saying that "Volunteers are the central fabric of our society and our way of life," Representative John Porter (R-IL) began his testimony at the first hearing of the Volunteer Protection Act (H.R. 911) before the Senate Judiciary Subcommittee on Courts and Administrative Practices, May 20.

Porter introduced H.R. 911 in February 1987, and Senator John Melcher (D-MT) sponsored its identical Senate version, S.929, in April 1987, in an effort to urge states to grant volunteers liability immunity except for acts of wilful and wanton misconduct. The Subcommittee heard testimony on both bills.

Porter told the Subcommittee, "The intent of my legislation is not to solve the liability crisis or assess blame for it, but solely to encourage Americans to keep volunteering and assure them that they can do so without fear of ending up in court."

He alluded to several surveys that "clearly indicate the need for volunteer protection legislation," including the *Liability Crisis Survey* conducted by the Gallup Organization for the ASAE Foundation and released in January. It found that 20 percent of nonprofit volunteers either resigned or withheld their services because of personal liability concerns.

# OPERATION LIFESAVER NEWS

## OL, Inc. receives an 800 phone number.

You may now call OL, Inc., at 1-800-537-6224, for information on OL materials, programs and assistance available, and names of key national and state people working in OL.

This number is in addition to the existing phone number, 602-230-2068.

## Fifth Operation Lifesaver symposium.

More than 300 grade crossing safety activists from the United States and Canada are expected to attend the fifth Operation Lifesaver national symposium Aug. 16-18 at the Virginia Beach, Va., Resort and Conference Center.

Those planning to attend may ride free on Aug. 15 from Washington to Newport News, Va., on a special one-way train hosted by Amtrak. Chartered buses will provide transportation to nearby Virginia Beach.

The symposium's theme is "The ABC's of Rail-Highway Grade Crossing Safety." Instruction will be offered in five subjects: law enforcement initiatives, signalization projects, safety program financing, statistical records and news media relations.

The symposium is sponsored by the Operation Lifesaver programs in the United States and Canada, and the program will include speakers from both nations. Cooperation among government agencies, railroads and safety groups has resulted in establishment of Operation Lifesaver programs in every state except Hawaii and in all of Canada's mainland provinces.

The registration fee is \$60 before Aug. 1 and \$70 afterwards. For a registration packet, contact Ms. Ernie L. Oliphant, Operation Lifesaver, Inc., 3008 N. 16th Drive, Phoenix, Ariz. 85015-6147; toll free 1-800-537-6224.

Witnesses testifying in favor of S.929 included Senator Melcher and Gordon P. McDougall, executive director, National Coalition for Volunteer Protection, and Edward H. Able, Jr., CAE, executive director, American Association of Museums, both of Washington, D.C., in addition to representing his own association, Able testified on behalf of ASAE, which he serves as a volunteer member of the board of directors.

Although the hearing was cut short by a vote on the floor, Subcommittee Chairman Howell Heflin (D-AL) promised that the committee would read the full written testimony and submit written questions to those testifying.

# uniden®

## \$12,000,000 Scanner Sale

Uniden Corporation of America has purchased the consumer products line of Regency Electronics Inc. for \$12,000,000. To celebrate this purchase, we're having our largest scanner sale in history! Use the coupon in this ad for big savings. Hurry...offer ends July 31, 1988.

### ★★★ MONEY SAVING COUPON ★★★

Get special savings on the scanners listed in this coupon. This coupon must be included with your prepaid order. Credit cards, personal checks and quantity discounts are excluded from this offer. Offer valid only on money orders mailed directly to Communications Electronics Inc., P.O. Box 1045 - Dept. UN12A, Ann Arbor, Michigan 48106-1045 U.S.A. Hurry...coupon expires July 31, 1988. Coupon may not be used in conjunction with any other offer from CEI. Limit one coupon per scanner. Add \$7.00 for shipping per scanner in the continental U.S.

COUPON

COUPON

Regency TS2-SA2 .....\$269.95  
 Regency TS1-SA2 .....\$199.95  
 Regency INF1-SA2 .....\$139.95  
 Regency INF2-SA2 .....\$159.95  
 Regency INF3-SA2 .....\$119.95  
 Regency INF5-SA2 .....\$109.95  
 Bearcat 200XLT-SA2 .....\$262.95  
 Bearcat 100XLT-SA2 ...\$189.95  
 Bearcat 800XLT-SA2 ...\$249.95  
 Bearcat 210XLT-SA2 ...\$177.95  
 Bearcat 760XLT-SA2 ...\$269.95

COUPON

COUPON

### ★★★ VALUABLE COUPON ★★★

#### NEW! Bearcat® 760XLT-SA3

List price \$499.95/CE price \$279.95/SPECIAL  
**12-Band, 100 Channel • Crystalless • AC/DC**  
 Frequency range: 29-54, 118-174, 406-512, 806-956 MHz.  
 Excludes 823.9875-849.0125 and 868.9875-894.0125 MHz.  
 The Bearcat 760XLT has 100 programmable channels organized as five channel banks for easy use, and 12 bands of coverage including the 800 MHz band. The Bearcat 760XLT mounts neatly under the dash and connects directly to fuse block or battery. The unit also has an AC adaptor, flip down stand and telescopic antenna for desk top use. 6-5/16" W x 1-1/2" H x 7-1/2" D. Model BC 580XLT-SA is a similar version without the 800 MHz band for only \$219.95.

#### SALE! Regency® TS2-SA

List price \$499.95/CE price \$309.95/SPECIAL  
**12-Band, 75 Channel • Crystalless • AC/DC**  
 Frequency range: 29-54, 118-175, 406-512, 806-950 MHz.  
 The Regency TS2 scanner lets you monitor Military, Space Satellites, Government, Railroad, Justice Department, State Department, Fish & Game, Immigration, Marine, Police and Fire Departments, Aeronautical AM band, Paramedics, Amateur Radio, plus thousands of other radio frequencies most scanners can't pick up. The Regency TS2 features new 40 channel per second Turbo Scan™ so you won't miss any of the action. Model TS1-SA is a 35 channel version of this radio without the 800 MHz band and costs only \$239.95.

#### Regency® RH256B-SA

List price \$799.95/CE price \$329.95/SPECIAL  
**16 Channel • 25 Watt Transceiver • Priority**  
 The Regency RH256B is a sixteen-channel VHF land mobile transceiver designed to cover any frequency between 150 to 162 MHz. Since this radio is synthesized, no expensive crystals are needed to store up to 16 frequencies without battery backup. All radios come with CTCSS tone and scanning capabilities. A monitor and night/day switch is also standard. This transceiver even has a priority function. The RH256 makes an ideal radio for any police or fire department volunteer because of its low cost and high performance. A 60 Watt VHF 150-162 MHz version called the RH606B-SA is available for \$429.95. A UHF 15 watt, 10 channel version of this radio called the RU150B-SA is also available and covers 450-482 MHz. but the cost is \$419.95.

### ★★★ Uniden CB Radios ★★★

The Uniden line of Citizens Band Radio transceivers is styled to compliment other mobile audio equipment. Uniden CB radios are so reliable that they have a two year limited warranty. From the feature packed PRO 810E to the 310E handheld, there is no better Citizens Band radio on the market today.

- PRO310E-SA Uniden 40 Ch. Portable/Mobile CB...\$85.95
- PRO330E-SA Uniden 40 Ch. Remote mount CB...\$109.95
- NINJA-SA PRO310E with rechargeable battery pack \$99.95
- B-10-SA 1.2V AA Ni-cad battery for Ninja (set of 10) ...\$20.95
- KARATE-SA Uniden 40 channel rescue radio...\$69.95
- PRO510XL-SA Uniden 40 channel CB Mobile...\$49.95
- PRO520XL-SA Uniden 40 channel CB Mobile...\$59.95
- PRO540E-SA3 Uniden 40 channel CB Mobile...\$97.95
- PRO640E-SA3 Uniden 40 channel SSB CB Mobile...\$137.95
- PRO710E-SA Uniden 40 channel CB Base...\$119.95
- PRO810E-SA Uniden 40 channel SSB CB Base...\$179.95

### ★★★ Uniden Radar Detectors ★★★

Buy the finest Uniden radar detectors from CEI today.  
 RD7-SA3 Uniden visor mount radar detector...\$99.95  
 RD9-SA3 Uniden "Passport" size radar detector...\$114.95  
 RD9XL-SA3 Uniden "micro" size radar detector...\$144.95  
 RD25-SA3 Uniden visor mount radar detector...\$54.95  
 RD500-SA3 Uniden visor mount radar detector...\$74.95

#### Bearcat® 200XLT-SA3

List price \$509.95/CE price \$279.95  
**12-Band, 200 Channel • 800 MHz. Handheld Search • Limit • Hold • Priority • Lockout**  
 Frequency range: 29-54, 118-174, 406-512, 806-956 MHz.  
 Excludes 823.9875-849.0125 and 868.9875-894.0125 MHz.  
 The Bearcat 200XLT sets a new standard for handheld scanners in performance and dependability. This full featured unit has 200 programmable channels with 20 scanning banks and 12 band coverage. If you want a very similar model without the 800 MHz band and 100 channels, order the BC 100XLT-SA3 for only \$199.95. Includes antenna, carrying case with belt loop, ni-cad battery pack, AC adapter and earphone. Order your scanner now.

#### Bearcat® 800XLT-SA

List price \$549.95/CE price \$259.95/SPECIAL  
**12-Band, 40 Channel • No-crystal scanner Priority control • Search/Scan • AC/DC**  
 Bands: 29-54, 118-174, 406-512, 806-912 MHz.  
 The Uniden 800XLT receives 40 channels in two banks. Scans 15 channels per second. Size 9" x 4" x 12". If you do not need the 800 MHz band, a similar model called the BC 210XLT-SA is available for \$196.95.

#### Bearcat® 145XL-SA

List price \$189.95/CE price \$98.95/SPECIAL  
**10-Band, 16 Channel • No-crystal scanner Priority control • Weather search • AC/DC**  
 Bands: 29-54, 136-174, 406-512 MHz.  
 The Bearcat 145XL is a 16 channel, programmable scanner covering ten frequency bands. The unit features a built-in delay function that adds a three second delay on all channels to prevent missed transmissions. A mobile version called the BC 560XLT-SA is available for \$98.95. from Communications Electronics Inc.

#### Regency® Informant™ Scanners

Frequency coverage: 35-54, 136-174, 406-512 MHz.  
 These special scanners are programmed by state. The INF1-SA3 is ideal for truckers and is only \$179.95. The new INF2-SA3 is a deluxe model and has ham radio, a weather alert and other exciting features built in for only \$219.95. For base station use, the INF5-SA3 is only \$129.95 and for those who can afford the best, the INF3-SA3 at \$149.95, is a state-of-the-art, receiver that spells out what service you're listening to such as Military, Airphone, Paging, State Police, Coast Guard or Press.

#### NEW! President® HR2510-SA

List price \$499.95/CE price \$239.95  
**10 Meter Mobile Transceiver • Digital VFO Full Band Coverage • All-Mode Operation Backlit liquid crystal display • Auto Squelch RIT • Preprogrammed 10 KHz. Channels**  
 Frequency Coverage: 28,0000 MHz. to 29,6999 MHz.  
 The President HR2510 Mobile 10 Meter Transceiver made by Uniden, sets a new standard in amateur radio communications. Up to 25 Watt PEP, USB/LSB and 25 Watt CW mode. Noise Blanker. PA mode. Digital VFO. Built-in S/R/F/MOD/SWR meter. Channel switch on the microphone, and much more! The HR2510 lets you operate AM, FM, USB, LSB or CW. The digitally synthesized frequency control gives you maximum stability and you may choose either pre-programmed 10 KHz. channel steps, or use the built-in VFO for steps down to 100 Hz. There's also RIT (Receiver Incremental Tuning) to give you perfectly tuned signals. With receive scanning, you can scan 50 channels in any one of four band segments to find out where the action is. Order your HR2510 10 meter transceiver from CEI today.



BC760XLT  
 800 MHz.  
 mobile scanner  
 Only \$279.95

### ★★★ Uniden Cordless Phones ★★★

A major consumer magazine did a comparison study on cordless phones. The check points included clarity, efficiency and price. Uniden was rated best buy.  
 XE700-SA Uniden Cordless Phone with speaker...\$114.95

### ★★★ Extended Warranty Program ★★★

If you purchase a scanner, CB, radar detector or cordless phone from any store in the U.S. or Canada within the last 30 days, you can get up to three years of extended warranty service from Warrantech. This service extension plan begins after the manufacturer's warranty expires. Warrantech will perform all necessary labor and will not charge for return shipping. Extended warranties are non-refundable and apply only to the original purchaser. A two year extended warranty on a mobile or base scanner is \$29.99 and three years is \$39.99. For handheld scanners, 2 years is \$59.99 and 3 years is \$79.99. For radar detectors, two years is \$29.99. For CB radios, 2 years is \$39.99. For cordless phones, 3 years is \$34.99. Order your warranty for your merchandise today.

### OTHER RADIOS AND ACCESSORIES

- BC 55XL-SA Bearcat 10 channel scanner...\$114.95
  - BC 70XLT-SA Bearcat 20 channel scanner...\$169.95
  - BC 175XL-SA Bearcat 16 channel scanner...\$156.95
  - NEW! BC 560XLT-SA Bearcat 16 channel scanner...\$98.95
  - MT5100 PLUS-SA Regency marine transceiver...\$134.95
  - R1090-SA Regency 45 channel scanner...\$119.95
  - NEW! R2060-SA Regency 60 channel scanner...\$144.95
  - UC102-SA Regency VHF 2 ch. 1 Watt transceiver...\$117.95
  - BP55-SA Regency 16 amp reg. power supply...\$169.95
  - MA540-SA Drop-in charger for HX1200 & HX1500...\$84.95
  - MA518-SA Wall charger for HX1500 scanner...\$14.95
  - MA553-SA Carrying case for HX1500 scanner...\$19.95
  - MA257-SA Cigarette lighter cord for HX12/1500...\$19.95
  - MA917-SA Ni-Cad battery pack for HX1000/1200...\$34.95
  - BP205 Ni-Cad battery pack for BC200/BC100XL...\$49.95
  - B-8-SA 1.2 V AA Ni-Cad batteries (set of eight)...\$17.95
  - B-5-SA 1.2 V AA Ni-Cad batteries (set of five)...\$13.95
  - FB-E-SA Frequency Directory for Eastern U.S.A...\$14.95
  - FB-W-SA Frequency Directory for Western U.S.A...\$14.95
  - ASD-SA Air Scan Directory...\$14.95
  - SRF-SA Survival Radio Frequency Directory...\$14.95
  - TSG-SA "Top Secret" Registry of U.S. Govt. Freq...\$14.95
  - TIC-SA Techniques for Intercepting Comm...\$14.95
  - RRF-SA Railroad frequency directory...\$14.95
  - EEC-SA Embassy & Espionage Communications...\$14.95
  - CIE-SA Covert Intelligenc. Elect. Eavesdropping...\$14.95
  - MFF-SA Midwest Federal Frequency directory...\$14.95
  - A60-SA Magnet mount mobile scanner antenna...\$35.95
  - A70-SA Base station scanner antenna...\$35.95
  - USAMM-SA Mag mount VHF ant. w/ 12 cable...\$39.95
  - USAK-SA 1/4 hole mount VHF ant. w/ 17 cable...\$35.95
  - USAK450-SA 1/4 hole mount UHF ant. w/ 17 cable...\$35.95
- Add \$3.00 shipping for all accessories ordered at the same time. Add \$7.00 shipping per radio and \$3.00 per antenna.

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## Midland introduces all new single sideband/AM mobile transceiver with full 120-channel operation

Midland Model 79-265 features full 120-channel operation with 12 watts peak envelope power output on SSB, the maximum legal power output allowed by the FCC. Other advanced features include a three-way solid state bar graph "S"/RF/SWR metering system that monitors incoming signal strength and power output; a built in SWR system to monitor antenna performance and allow antenna peaking for maximum range; a noise blanker circuit that eliminates pulse noise from the antenna and feed lines; ANL/Brute filter systems that reduce noise from the power cord circuit; a crystal filter that rejects unwanted signals from nearby stations; a "J" FET mixer to reduce inter-modulation products for better signal-to-noise gain; fully variable microphone gain control for maximum range; clarifier control for pinpoint receiver fine tuning; and city-highway RF gain control. A new high intensity digitalized amber channel readout provides excellent visibility, and



separate LED indicators for RF gain, LSB, USB, Channel 9 memory and PA offer visual confirmation of the unit's operational mode. The radio is constructed with a heavy duty aluminum FIN heat sink — usually found

FOR MORE INFORMATION CIRCLE NO. 1 ON READER SERVICE CARD.

only on commercial two-way radios — that extends the life of RF output transistors and allows maximum power output by providing superior heat dissipation. Suggested list price of Model 79-265 is \$289.95.

## Midland introduces world's smallest 40-channel mobile citizens band transceiver

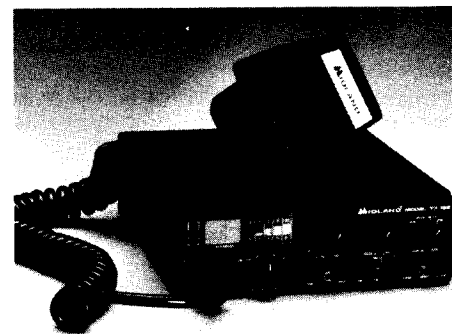
Model 77-099 that measures just 4¼" wide and 1¼" high, making it the world's smallest 40-channel mobile CB transceiver. Model 77-099's small size allows it to be mounted virtually anywhere — even on motorcycles, snowmobiles and other recreational vehicles.

The 77-099 features ETR frequency control for pinpoint channel tuning accuracy with separate scan up and down controls. A dual conversion superheterodyne receiver provides efficient signal amplification and stability. Other advanced features include full time ANL to eliminate reception background noise; a ceramic

filter for improved selectivity; enhanced modulation for outstanding talk power; a new condenser electro microphone with front panel locking mount for excellent performance and reliability; separate LED systems for transmit and receive; and a large, high intensity green projection mask LED channel readout. The radio is constructed with a rugged metal cabinet and a double-layered RF heat sink for maximum heat dissipation and long life. The all black high-tech format complements any vehicle environment. Suggested retail price is \$89.95.

FOR MORE INFORMATION CIRCLE NO. 2 ON READER SERVICE CARD.

## VHF weather monitor on new Midland citizens band radio



Midland Model 77-162 receives most N.O.A.A. weather channels in the 162 MHz FM band, providing constant weather information in most areas. A separate LED system shows when the unit is in the VHF weather mode.

This deluxe Citizens Band radio features ETR frequency control with a micro-processor chip PLL system that locks the receiver and transmitter on frequency and adjusts for temperature and humidity to maintain precise tuning. A proportional sequential LED system monitors incoming signal level, transmitter output power and modulation. The unit also features RF gain control to adjust receiver sensitivity and prevent overload from nearby stations; a switchable noise elimination system that reduces pulse noise from the engine; two-

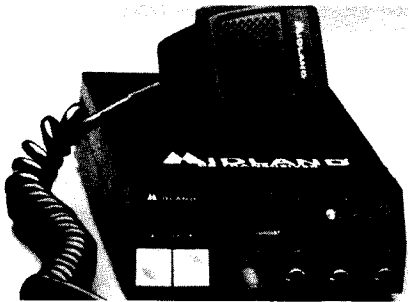
*continued on page 19*



reduces pulse noise from the engine; two-channel memory for instant access to channels 9 and 19; and extra large amber high intensity LED channel readout; built-in PA system capability; last channel memory recall system; a double-layered RF heat sink that reduces power transistor failure by providing superior heat dissipation; and a screw-on 4-pin metallic microphone plug for maximum reliability. The unit also features a mylar speaker for extra protection against moisture, making it suitable for marine and off-road use. Suggested retail price of Model 77-162 is \$219.95.

FOR MORE INFORMATION CIRCLE NO. 3 ON READER SERVICE CARD.

## New MIC-RO-TUNE™ II remote channel selection on deluxe Midland CB radio

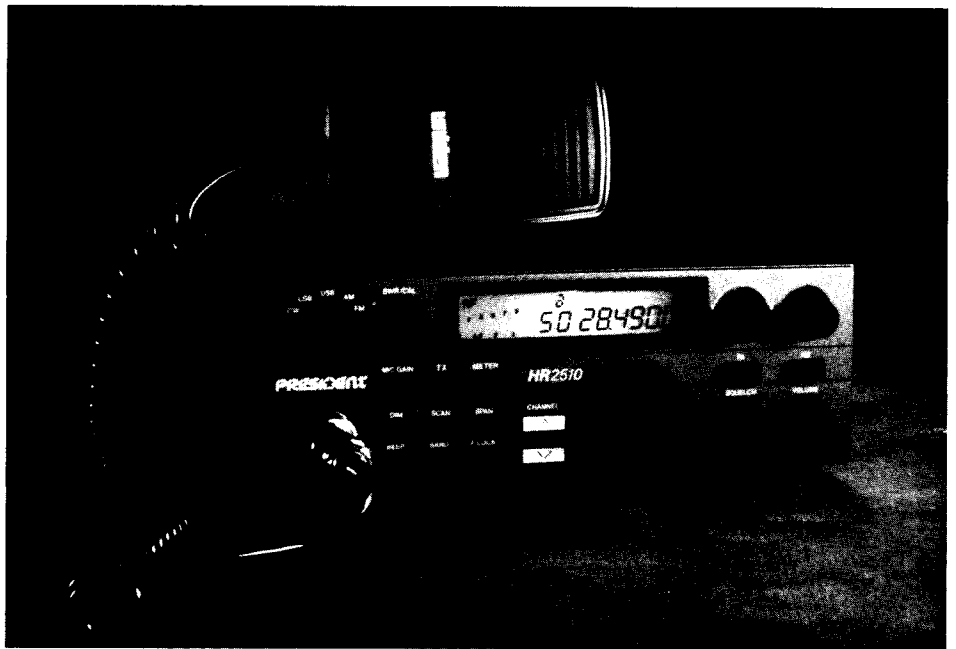


Midland International has introduced a new professional class Citizens Band radio with an advanced remote channel selection system called Mic-ro-Tune II. Model 77-158 is the latest addition to Midland's full line of portable, mobile and base station CB radios and accessories.

The Mic-ro-Tune II system makes channel selection safe and convenient with two-speed up and down buttons on top of the microphone. In addition, ergonomically designed channel selection buttons are located on the front of the radio unit, giving the user the choice of remote or standard tuning. ETR frequency control with a microprocessor chip PLL system locks the receiver and transmitter on the desired frequency and adjusts for temperature and humidity to maintain precise tuning. A proportional sequential LED system monitors incoming signal level, transmitter output power and modulation.

Model 77-158 also features RF gain control (highway and local) to adjust receiver sensitivity and prevent overload from nearby stations; fully variable microphone gain control that adjusts transmit audio for maximum range; a switchable noise elimination system to reduce pulse noise from the engine and motor-operated devices; two-channel memory for instant access to channels 9 and 19; an extra large amber high intensity LED channel readout; amber backlit controls for easy night viewing and adjustment; built-in PA capability; and a double-layered RF heat sink that reduces power transistor failure by providing superior heat dissipation. Suggested retail price is \$219.95.

FOR MORE INFORMATION CIRCLE NO. 4 ON READER SERVICE CARD.



## "TX'ing" gets better with new Uniden 10 Meter Mobile Rig

Novices and technicians as well as generals and above can now enjoy more "TX'ing" power with the new Uniden HR-2510 Mobile Ham Transceiver introduced at the Summer Consumer Electronics Show in Chicago, the Uniden HR-2510 is a full featured SSB/AM/FM/CW amateur mobile rig.

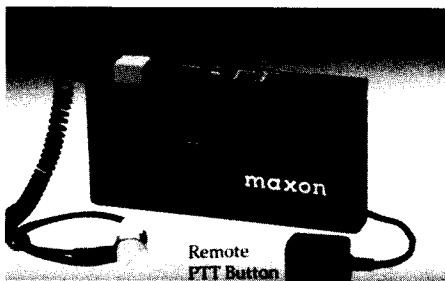
RF power of 25 WPEP, and 4-watt audio output for noisy conditions while on the road.

Computer-controlled operation lets the ham concentrate more on the conversation and less on operating this new rig. It features a high gain noise blanker, SWR meter, VFO and channel control, and channel scan.

The new Uniden HR-2510 meter (26 MHz) Mobile Transceiver is currently available for a suggested list price of \$399.95.

FOR MORE INFORMATION CIRCLE NO. 5 ON READER SERVICE CARD.

## Maxon 5-Channel "Ear Mic" VOX Transceiver

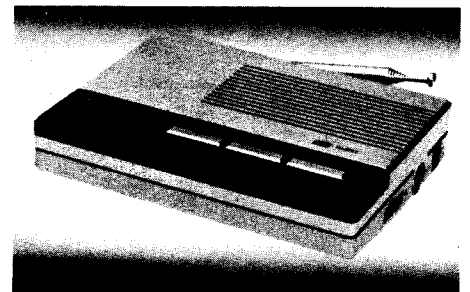


Model 49-5F features a unique mic that fits comfortably in the ear, voice is transmitted via vibrations in the auditory canal. It offers a choice of hands-free VOX (voice activated) or push-to-talk (on unit or remote) transmission. A built-in wire antenna permits use with protective headgear and it has additional controls and indicators including channel selector, Hi-M-Lo volume, Off/PTT/VOX switch and "TX/Busy" two-color LED indicator. The 49-5F measures 5 1/4" x 2 3/4" x 1" and is powered by one 9-volt battery. Suggested retail price is \$59.95.

FOR MORE INFORMATION CIRCLE NO. 6 ON READER SERVICE CARD.

## Maxon Weather Receiver with Alert sounds when severe weather signal is broadcast

Model WX-3 weather monitor receives the latest Weather Service broadcasts on 162.550, 162.475, or 162.400 MHz bands. Test, weather information, and alert buttons are located on the top and this unit offers Alert LED, variable volume control, telescopic antenna and RCA jack. It is marine-treated to resist moisture and has up to a 50 mile range for N.O.A. reception.

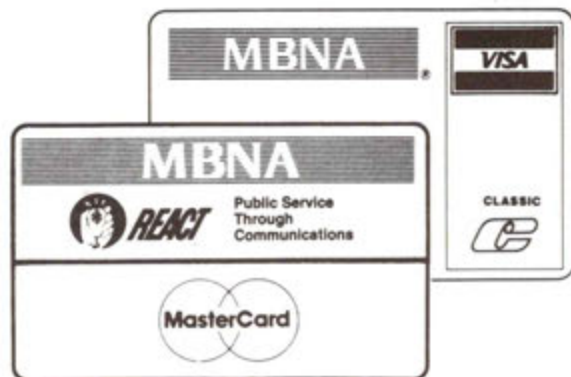


FOR MORE INFORMATION CIRCLE NO. 7 ON READER SERVICE CARD.

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HOME PHONE ( ) \_\_\_\_\_ BUS. PHONE ( ) \_\_\_\_\_

ARE YOU:  Renting  Own  Buying Monthly Payment \$ \_\_\_\_\_

SOCIAL SECURITY# \_\_\_\_\_

DATE OF BIRTH \_\_\_\_\_

PRESENT EMPLOYER \_\_\_\_\_

NATURE OF BUSINESS \_\_\_\_\_

POSITION \_\_\_\_\_ YEARS THERE \_\_\_\_\_

ANNUAL SALARY \$ \_\_\_\_\_ OTHER INCOME\* \$ \_\_\_\_\_ SOURCE \_\_\_\_\_

\* (Alimony, child support, or separate maintenance income need not be revealed if you do not wish it considered as a basis of repayment.)

PREVIOUS EMPLOYER IF LESS THAN 3 YRS. \_\_\_\_\_ YEARS THERE \_\_\_\_\_

MOTHER'S MAIDEN NAME \_\_\_\_\_  
(For use when you request special action taken on your account)

Previous address if at present address less than 3 yrs. \_\_\_\_\_

I have read the entire application, agree to its terms, and certify the information is correct.

CEGL  
10-912  
11-912

APPLICANT SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_ (Seal)

Use this section to request extra cards. If you wish an additional card issued to a co-applicant over 18 years of age, complete the information below.

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RELATIONSHIP \_\_\_\_\_ SOCIAL SECURITY# \_\_\_\_\_

EMPLOYER \_\_\_\_\_ YEARS THERE \_\_\_\_\_

POSITION \_\_\_\_\_ ANNUAL SALARY\$ \_\_\_\_\_

OTHER INCOMES \_\_\_\_\_ WORK PHONE ( ) \_\_\_\_\_

I have read this entire application, agree to its terms, and understand that I will be jointly and severally liable for all charges on the account.

CO-APPLICANT SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_ (Seal)

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# SURPRISE ANNOUNCEMENT

## The Shakespeare Big Stick REACT Membership Drive Contest

**State date:** July 1, 1988

**End date:** September 30, 1988

**Total Period:** 90 days (3 months)

**The prizes:** Shakespeare's newly designed Big Stick Gold Band base antenna model 176-U, valued at \$89.95 suggested retail.

This Big Stick antenna features: improved circuitry . . . durability . . . and dependability. Meets CPSC shock hazard standards. Now with a two year warranty and a low cost extended warranty program. This antenna is a three piece design to allow easier shipping, handling, and storage.

REACT International Headquarters and 50 REACT Teams (last year's winners) use this same Big Stick Gold Band antenna . . . and it works great!

**To win:** Simply be the Team who adds the most new members in your state during the contest period.

*Adding new members is easier with half-year International dues* (\$6 Regular, \$5 Family or Junior member). Be sure to indicate to new members their dues will be good through December 31, 1988. They will receive the July/August, September/October, and November/December REACTers by joining anytime during the contest period. All new members will also receive a copy of our new informational pamphlet, "Getting Help by CB Radio."

**Details:** A minimum of three new members is required to qualify. All must be properly registered and paid for with REACT International by October 7, 1988. We are allowing *only* seven days to receive your registrations dated September 30, 1988. Ties are broken by largest percentage gain in members, using the June 30 Team size from International records. There will be one winner per state.

*We ALL win when you recruit new REACT Team members.* Your Team wins — a chance at the Big Stick Gold Band antenna valued at around \$90, and with more members you can do more activities and provide more monitoring coverage. REACT International wins by increasing its membership and potential revenue; this means we can do more for the Teams and the traveling public.

Enclosed is your new member promotion kit: a sample "Join the REACT family" letter, membership application and two 11 x 17" posters. The letter and application are the exact same one sent by REACT International to prospective members inquiries. *Notice* the "Join the REACT Family" approach. Use this as an example for creating your own letter. Be sure to include the benefits and reason for belonging to your local Team. Add your Team name, charter number, and address to the application so we know it's



from your Team. Although Affiliates and subscribers do not count towards this contest, they do help REACT International as well as your Team. The posters can be duplicated on 11 x 17" paper, showing your Team name and a phone number for prospects to contact. Be sure to leave

REACT International's address and number visible to provide an additional contact point for out-of-town travelers.

We appreciate the support of Shakespeare in making this contest possible. This is known as the Shakespeare — REACT Membership Drive Contest.

### Team Events

**#2126 Monroe County REACT, Rochester, New York**, was featured in a newspaper article that appeared in our local paper. Team members Pat LaJuet, Team President, and Al McPadden provided information and Al's picture also accompanied the article.

**#4658 Alcorn County REACT, Corinth, Mississippi**, held our Memorial Day break on Monday, May 30. Team members who participated were Don and JoAnn Lambert, Marvin and Frances Cornelius, and William Cornelius.

**#2517 Porterville REACT Team, Porterville, California**, is proud of our Team and our Junior REACT Team. There are seven Juniors who have just finished our busiest months (April and May) while still attending school.

We worked the St. Patrick's Day Marathon (March 19), the March of Dimes (April 9), the Roche Avenue School Circus (April 21-22), and parked cars at the Scicon Barbecue. We were busy at the Porterville Fair (May

18-21) and had our coffee break May 26-30. On April 30 we lined up the Cinco de Mayo Day Celebration Parade entrants. The Celebration's sponsor thanked us for a job well done and complimented our Juniors.

**#2690 Twin City Emergency Communications, Lafayette, Indiana**, worked their first outdoor function for 1988 on Sunday, May 1 at the 11th Annual Pepsi 10,000 Meter Series (6.2 miles) Run. The TCEC volunteers arrived promptly at 7 a.m. at Happy Hollow Park in West Lafayette, IN, where the run would begin at 8 a.m. TCEC units were stationed at major intersections along the race route. They stopped traffic when runners were approaching the intersections and kept an eye out for runners who needed medical attention. Their first runner to finish, a male, returned to the park within 35 minutes. The first female runner finished with 40 minutes. The last runner finished in 72 minutes. No injuries or accidents were reported during the run.

# INFORMATION FORM

Please use this form to change information concerning the members of your Team or for the Team itself.  
You may photocopy for duplicate copies. Send to: REACT International, 242 Cleveland, Wichita, Kansas 67214.

## — Information Change Form —

New  
  Renew  
  Address Change  
  Status Change  
  Name Change  
  Drop: Reason \_\_\_\_\_  
 For:  Team    Member

Team #       
 Member/Team Computer ID Number       
  New Status (RFJL)

### NEW INFORMATION

Team Name \_\_\_\_\_ **Dues Enclosed \$** \_\_\_\_\_  
 Member Name \_\_\_\_\_ Date of Birth (Month/Year) \_\_\_\_\_ Sex  M  F  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ Province/State \_\_\_\_\_  
 Country \_\_\_\_\_ Zip \_\_\_\_\_

### OLD INFORMATION

Old Status (RFJL)  
 Member Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ Province/State \_\_\_\_\_  
 Country \_\_\_\_\_ Zip \_\_\_\_\_

Give *The REACTer* magazine to friends, family, sponsors, business, community leaders and others. Subscription cost is ONLY \$9.00 (\$12.00 Canada) for a full year. Help spread the word of REACT with a *REACTer* gift subscription.

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 From: Name \_\_\_\_\_ State \_\_\_\_\_ Team # \_\_\_\_\_  
 Enclosed is my payment:  Check    Money order    VISA    MasterCard  
 Card Number \_\_\_\_\_ Bank # \_\_\_\_\_ Exp. Date \_\_\_\_\_

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 Phone Number (     ) \_\_\_\_\_  
 Team Name \_\_\_\_\_ Number \_\_\_\_\_

**Requests must be made within 120 days from issue date.**

**To add members:** Check the NEW box and the MEMBER box. Fill in the NEW STATUS box. Complete the Team number, the new member's name and address.

**To renew:** Check the RENEW box and the MEMBER box. Fill the OLD STATUS box. Complete the computer ID number, the Team number, and the member's name and address under the NEW INFORMATION section.

If the member is renewing but also has a change of information, complete both the NEW and OLD INFORMATION sections.

**To Drop:** Check the DROP box and the MEMBER box. Complete the computer ID number, Team number, and the member's name and address under the OLD INFORMATION section. GIVE REASON FOR DROPPING MEMBER, i.e., deceased, moved, joined REACT Team #, for cause, lost interest, etc.

**To make address change or correction:** Check the ADDRESS CHANGE box and the MEMBER box. Check the appropriate box to indicate if the change is for Team or Member. Complete Team number, computer ID number, Team name or member name. Fill in both the NEW and OLD INFORMATION section.

**To change or correct membership status:** Check STATUS CHANGE box and the MEMBER box. Complete Team number, computer ID number and member's name and address under NEW section. Your membership status is listed as Regular (R), Family (F), Junior (J), or Life Member (L).

**To change or correct member's name:** Check the NAME CHANGE box and the MEMBER box. Complete Team number, computer ID number. Show the incorrect name and member's current address under the OLD INFORMATION section. Show the new/correct name under the NEW INFORMATION section.

**IMPORTANT:** The member (or Team) computer ID number is a five digit number that appears on your membership card, REACTer mailing label and on your Team renewal printout. You must list this number for all current member changes.

If you have any questions, please give us a call.

# GREAT LOOKING BASE SET-UPS

"We are proud of our central base monitoring station!" — Oakland County REACT

Since 1980 we have been based at the North Oakland Community Center (Community Activities, Inc. building) in Drayton Plains, near the center of Oakland County, Michigan. Our headquarters office/monitoring station is a room of approximately 125 square feet, built into a portion of the building storage room. Since our opening we have constantly remodeled and added features to improve our headquarters and monitoring operations. We are currently in the process of expanding our area, adding another 100 square feet of space, so that we can separate our office and monitoring areas and to provide meeting and breathing room for our forever active and expanding team.

The focal point of our headquarters is our base station radio equipment, operated from a control console 32" wide and 18" high. At the center of the console is a Cobra 2000GTL transceiver, which serves as our transmitter and the receiver for our primary channel. This "main radio" operates on a MS119 Super Scanner antenna mounted on a tower, 60' above ground, located just outside our entrance door. We use a Shure model 545L microphone, mounted on a gooseneck at the top center of the console and controlled by switches on either side of the radio (for convenience of both right and left handed operators). To the left of our main radio is the power switch, which turns all equipment on/off from one location. Above that is our auxiliary radio, a Fuzzbuster Z-50, which allows us to simultaneously monitor a second CB channel. It is used as a receiver only and operates on an omni-directional antenna (a redesigned MS119) mounted to our tower. During normal monitoring operations our main radio is on channel 9 and our auxiliary on channel 19. To answer a call on channel 19 we switch the auxiliary to channel 9 and the main radio to 19, so we can maintain our vigil on 9 while we handle the call on 19. This dual-channel capability also allows us to include our central base in an emergency, and community service, radio networks so that we can continue to monitor channel 9 while conducting an operation on another frequency.

Above the auxiliary radio is a tone activated weather monitor (Gardner Emergency Alert) which allows us to monitor weather information and to receive the weather bulletins which activate our SKYWARN spotting program. Opposite the weather monitor, at the right side of the console, is a Regency MX3000 three band, 30 channel scanner. This receiver has 30 frequencies programmed, and locked, covering the major police and fire agencies in our county. This provides us with the ability to keep abreast of the incidents that we receive calls on, so that we can know their status and issue updated and accurate traffic advisories to the public. The receiver also contains the



frequencies of the RACES SKYWARN spotters, and Oakland County EMS/Emergency Management, who coordinate the Oakland County SKYWARN program. This allows us to be aware of all SKYWARN program activity. Both the weather radio and the scanner operate on a multi-band antenna mounted to our tower and along with the auxiliary CB radio, are muted when the main radio is transmitted so there is no feedback and no background confusion on transmissions.

Below the scanner is mounted a micro-cassette tape recorder, which is activated by the transmit switches, effectively recording both sides of any conversation on the main radio. There is also an "override" switch (below the recorder) which allows the recording of any traffic on the main radio, without the need to activate the transmitter.

Located above the main radio, on the left side, are the controls for the Super Scanner antenna, with different colored lights for each direction. To the right of the antenna control is a wired intercom with three positions. It currently has a station at our entrance door and future positions are to our meeting room inside the main building and from our radio room to the office area, when our expansion is completed.

In the middle of the console, below the

microphone, are two indicator lights. The red light indicates that the transmitter is activated, and the green one to the right shows that the tape recorder is activated.

There are four speakers across the top of the console, with one for each radio in the unit. On the front of the main radio is a headphone jack, and headphones are provided for those who choose to use them. Other features not visible on the face of the console are a remote foot switch for the transmitter, and the completely sealed console unit is cooled by two 4" fans, through side mounted vents. External jacks are also rear mounted for a second speaker (main radio), and a public address speaker.

We use a Panasonic Easa-Phone with answerer/dialer/speakerphone system. This phone gives us great flexibility in monitoring, and we also have another 100 position dialer in the system, giving us 121 speed dial capability. We have call waiting, call forwarding, conference call, call hold, and speed dial services and these also greatly enhance our monitoring performance capabilities.

Our monitoring hours and call forms, phone call logs, and phone information not in our dialers is currently kept on top of our console. Additional information on wreckers, hospitals, membership numbers, etc. are kept in a notebook at the console.

Enter your REACT radio set-up to appear in *The REACTer*.

We prefer functional monitoring stations. Submit a black and white photo of the set-up (4½" x 3" or larger). List the equipment shown. Include your name, Team number and name, city and state.

The best appearing ones will be shown in *The REACTer*.

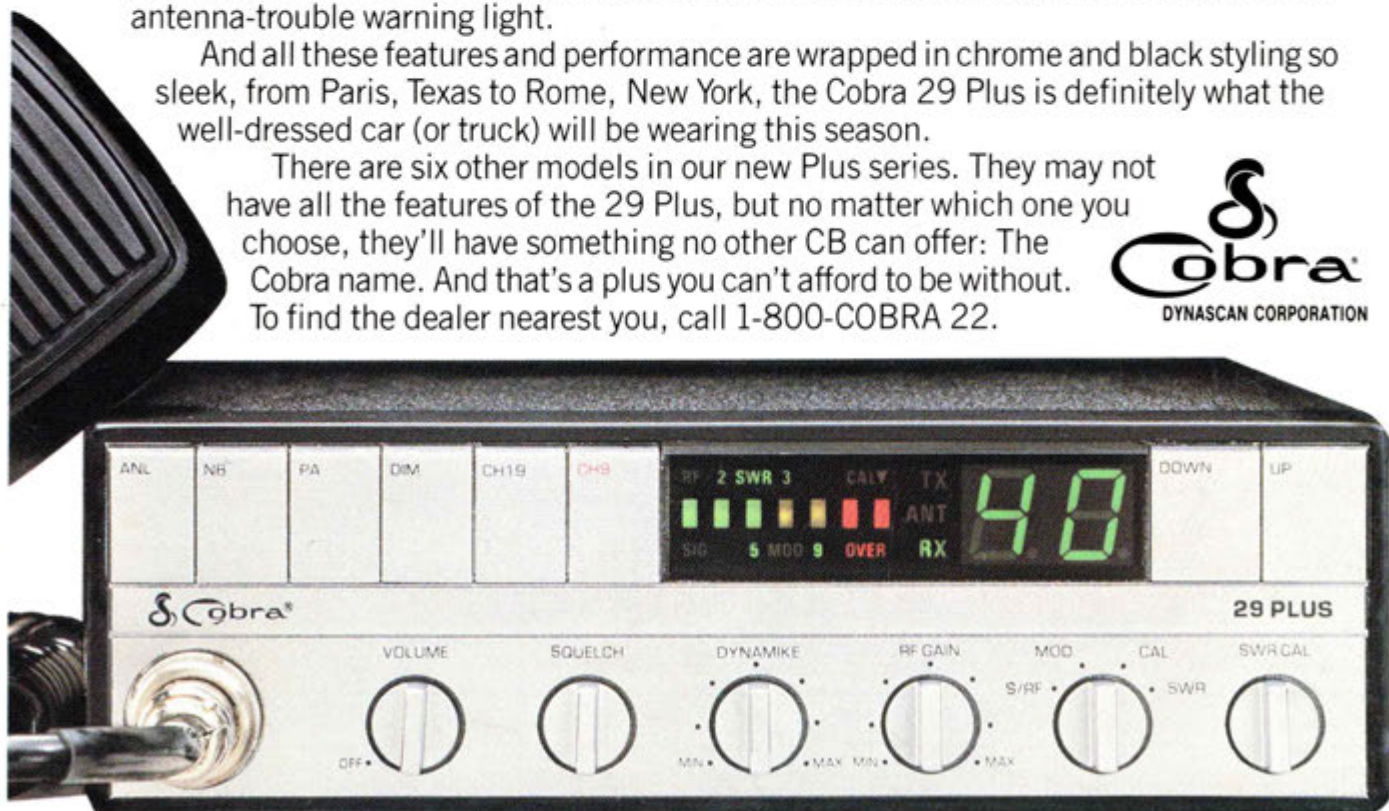
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There are six other models in our new Plus series. They may not have all the features of the 29 Plus, but no matter which one you choose, they'll have something no other CB can offer: The Cobra name. And that's a plus you can't afford to be without. To find the dealer nearest you, call 1-800-COBRA 22.

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