



the REACTer

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

JULY/AUGUST 1987



REACT International
242 Cleveland • Wichita, Kansas 67214

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In This Issue . . .

- REACT'S 25-Year History
- New Radio Products
- FCC News
- K40 Quarterly Awards
- NHTSA Safety Report

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.

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.



Extra long coil cord, with tough spring strain relief.

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.

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— JULY 1 —

REACT International
half year dues are \$6.00
for Regular Members.
Family or Junior: \$5.00.

ON THE COVER

SALINA, KANSAS, JULY 12—Windado does extensive damage causing large trees to damage buildings and block roads.
Photo by Jim Meyer, Photography, Wichita, Kansas, using 35mm camera on black and white film.

The REACTer

HEADQUARTERS REPORT

July is a busy month for REACT. The July 4th Holiday Weekend will mean Safety Breaks for a lot of REACT Teams and helping local festivities with communications for others. The week of July 27 also will mean a lot of work and fun for 150 to 200 REACT members attending our Silver Anniversary Convention. This convention is special: our founder, Henry "Pete" Kreer, will address the body on Monday; two Board of Directors' positions will be filled when the election results are announced; newsletters from teams and councils all over will vie for placing among the best; K40 will present \$500 checks to the K40 REACT Achievement Annual Award winners—in the categories of Individual, Team and State Council; and Guadalupe County REACT #3622 in conjunction with the Texas State REACT Council have promised a "Great Time" with all the planned activities.

Our annual convention also sets the stage for developments and plans for the next year for REACT. This is where the Teams and Council delegates do their work discussing important issues and voting. Task Groups are formed to help carry out our plans and provide valuable input to our Board of Directors. It surprises me that more Teams aren't represented by sending delegates to the convention. The cost of attendance in time and money is by far outweighed by the valuable input and learning you receive. Please keep in mind you can participate in Task Groups without attending the convention.

During the past few conventions we have noticed a 50/50 mix of new first-time and repeat attendees. Any member can attend the convention. Now is the time to plan on attending next year's convention (1988) in Roanoke, Virginia. Teams can plan fundraisers to send a voting delegate to the convention. Our convention is rotated from east to midwest to west to midwest to provide a geographical attendance opportunity every few years.

Our convention is your opportunity to help REACT — It's your organization.

New Teams Chartered

- #4687, Riverton REACT, Riverton, WY, 5/87
- #4688, Jackson County REACT, Medford, OR, 5/87
- #4689, Newark Alert REACT, Newark, NJ, 6/87

- #4690, Waimea REACT, Kamuela, HI, 6/87
- #4691, Citywide REACT, Search & Rescue, Bronx, NY, 6/87
- #4692, Crime Prevention REACT, Homestead, FL, 6/87
- #4693, Olmstead County REACT, Rochester, MN, 7/87
- #5032, Highland REACT, 163 Galloway Drive, Culloden, Inverness, Scotland, IV1 2LP
- #5033, Border REACT, 1 Castle Lane, Haverhill, Suffolk, England, CB9 9NG

DEADLINES

AUGUST 1: Due date for articles for September/October issue of *The REACTer*.

SEPTEMBER 30: K40 Awards Third Quarter entry deadline.

OCTOBER 1: Due date for items for November/December issue of *The REACTer*.

Donations

Deserve

Recognition



#4208 Sedgwick County REACT, Wichita, Kansas, \$172.00

Tandy Corporation (Radio Shack), \$1000.00

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*.

the REACTer

July/August 1987 Vol. 21 No. 4

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 1986 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 © 1987. 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.

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

25 Years of REACT History



The idea of using Citizens Band Radio in an organized way for emergency communications was born in a Chicago snowstorm. Henry B. "Pete" Kreer tells the story.

"One day I was driving home on the Edens Expressway in an absolutely blinding snowstorm when I saw a car along the side of the road with its hood up, flashers flashing. I stopped to see if I could be of any help, and found a very young couple with a very sick child. I didn't know what to do, so I got on the CB and someone answered me, and in about 10 minutes a State Patrol car showed up and took the baby to the hospital.

"I spent several days thinking, 'wouldn't it be great if there were some organized scheme for us civilians to talk to each other, strictly to help people in trouble.'"

It was a great idea that Pete Kreer was able to transform into a reality.

He persuaded the Hallicrafter's Company, a CB radio manufacturer, that it would be good public relations for them to sponsor an organization to promote and facilitate volunteer emergency communications using Citizens Band radio. The final decision for this was made January 23, 1962. Hallicrafters agreed to sponsor the REACT Program if Pete Kreer would be the national director.

Thus, REACT was born!

Starting out as simply as possible, all that was needed to form a Team was to provide a list of at least 3 members, who agreed to monitor CB for emergencies and request recognition. The Team was then presented with a charter of recognition, membership cards, bumper stickers and pamphlets for each of the members they registered. There were no dues or other requirements except to comply with all federal and state regulations.

By 1964, it was determined that there was a need for a National CB Emergency Channel. REACT National Headquarters asked all REACT Teams to monitor Channel 9 as a voluntary emergency channel. All CB operators were encouraged to use Channel 9 for emergency calls, and to restrict all other communications on the channel. At this time, there were only 560,000 licenses! REACT had 800 Teams at that time.

By 1967, a concept of a dedicated emergency channel was well entrenched. REACT led a movement to ask the Federal Communications Commission (FCC) to designate Channel 9 as an official emergency channel.

Seeking a means of encouraging highway communications through CB radio, and a research opportunity to validate the benefits, General Motors Research Laboratories assumed sponsorship of REACT in 1969. The intent was to expand the program and to

document the legitimate role of CB radio for highway safety communications. At this point, Gerald H. Reese was added to the staff as Managing Director. Henry B. Kreer remained with the title of Executive Director.

Plans were soon developed for a research program to be conducted in the state of Ohio to be known as The Ohio REACT Emergency Network. This was launched in 1970 with the appointment of Frank Travis, a retired truck driver, past president of the Summit County REACT Team C480, in Akron, Ohio. Frank served on a part-time basis and helped to get the Ohio program moving and helped greatly to make it a success.

The program was launched in June of 1970, at the State Highway Patrol Academy in Columbus with Colonel Robert M. Chiaramonte, superintendent; Lt. Colonel Clifford E. Reich, superintendent; and Captain Clifford R. Kimber, communications and records officer participations. Richard Everett, chief of the Citizens Radio Section of the FCC, also attended along with Henry B. Kreer and Gerald Reese. Representation from General Motors Research Laboratories included Clark Quinn. The program ran in 1970 until 1972 and resulted in the publication of two papers before the Transportation Research Board, affiliated with the National Academy of Sciences. Subsequently, a summary was presented to the Society of Automotive Engineers.

The Ohio REACT Emergency Network formed June 24, 1970, the same date that Channel 9 became an official emergency channel under FCC rules. This was to emphasize the relationship between the two innovations.

The organized state program in Ohio led into the organization of Ohio State REACT Council and the pattern for REACT Councils throughout the country; 1970 was also the first year that REACT dues were charged. One dollar per year per member was instituted along with a \$5 charter fee. Teams that were in operation did not have to pay a charter fee. Submitting their registration and dues also provided them with a new REACT charter and assigned Team number. Prior to this, no Team numbers were assigned. Teams that were chartered in 1970, were designated "Charter Teams" and have the "C" designation in front of their numbers.

In 1971, REACT's agreement with the American National Red Cross became a reality and, at that time, the Canadian Department of Communications designated Channel 9 as an official emergency channel in that country.

"Where Seconds Count," a 12-minute film about REACT, was produced with the support of General Motors in 1972. This has become a valuable public information tool for all of REACT.

NBC's *Today Show* televised a feature on the National REACT Program on April 24, 1973. Pete Kreer and Gerald Reese appeared on the program from Chicago and talked about the program and a clip from "Where Seconds Count" was also shown. Two hundred twenty stations carried the program to an estimated audience of 6 million people. More than 500 inquiries were received from this one pro-

gram.

The year 1975 was very important for REACT. General Motors and REACT management agreed that the growth of CB radio and the potentials of REACT required an independent unique structure. REACT International was organized as an independent not-for-profit corporation in Illinois. At the same time, REACT International applied to the Internal Revenue Service (IRS) for recognition as a fully tax exempt organization capable of accepting tax deductible contributions. All REACT Teams were included in the application to obtain a group exemption. Full group exemption from federal taxes was finally granted in 1976.

REACT's first board of directors included Henry B. Kreer, executive director and chairman; Edward Weller, manager of electronics department, General Motors Research Laboratories; Milford R. "Bud" Fink, director communications, Disaster Services, American Red Cross; Eugene Goebel, retired director of communications, Illinois Disaster Services; Robert M. Chiaramonte, superintendent, Ohio State Highway Patrol, retired; and Aaron M. Strauss, of Golden Gate REACT C373, San Francisco.

REACT was represented at the only White House Conference ever held on CB radio on June 1, 1976, by Managing Director Gerald Reese. The year 1976 was also the occasion of the first National Convention held at Trinity College, Deerfield, Illinois.

The year 1976 was a very big growth year for CB radio in general. It also was the first year that National REACT Month was instituted, the year that Mrs. Betty Ford (First Mama) gained notoriety for her use of CB radio, the beginning of the NEAR program by the National Highway Traffic Safety Administration of the Department of Transportation, approval of REACT's tax exemption, and many other significant achievements at the national and local levels.

In 1977, the REACT Convention moved to the University of Dallas in Irving, Texas. REACT participation was very prominent in the FCC's Personal Users Radio Advisory Committee (PURAC), the American Trucking Associations joined as cosponsors of REACT Safety Break Program, and Colonel Sam S. Smith replaced Robert Chiaramonte as a member of the REACT International Board of Directors. Colonel Smith at that time had retired as superintendent of the Missouri State Highway Patrol. Pennsylvania REACTers responded to the Johnstown, Pennsylvania, flood and REACT International was awarded a contract for the purpose of producing a training program for the NEAR program for the National Highway Traffic Association. In addition, REACT participated in the hearings of the Communication Subcommittee of the Interstate Commerce Committee of the U.S.

REACT exhibited at the Associated Public Safety Communications Officers (APCO) Convention in Chicago. REACT Help Flags were introduced. REACT Team Councils also grew to a total of 40.

By 1978, the REACT membership peaked along with CB radio to a total of 74,000.

(Continued on Page 5)

REACT members were asked to nominate members of the board of directors, increasing representation of the membership to 4. The Field Members nominated by the Teams and added to the board were Joseph H. Labrum, Salt Lake REACT Team C269, West Jordan, Utah; Michael R. McCloy, Capitol City CB Communications REACT C42, Atlanta, Georgia; and Margaret Williams, Tidewater REACT C53, Norfolk, Virginia. Retired FCC Chairman, Rosel H. Hyde, was added to the board and Arthur Underwood, manager, General Motors Research Laboratories (retired), replaced Ed Weller. The total number of board members then stood at 11.

The third annual REACT Convention was held at Baldwin Wallace College, Berio, Ohio. CBS radio produced public service announcements featuring Pat Buttrum that ran on the network for 13 weeks. Records of these spots were provided to all Teams. The membership list was computerized to permit direct mailing of the REACTer.

The NEAR Training Program was completed and introduced to the conventioners. REACT International also concluded an agreement with Special Olympics for local Teams to participate in providing communications for Special Olympics.

The year 1979 was a year of decline in REACT membership from the peak of 1978. Three regional conferences were scheduled but were canceled due to lowered levels of participation and concern about gasoline shortages preventing attendance. As a result of the drop in interest in CB, and consequently the decrease in REACT membership, an emergency funding program was instituted. Teams were asked to assist with contributions to an emergency funding to eliminate the deficit incurred. In 1979 REACT dues were raised to \$5 per member. John Tracy of Lancaster County REACT 2467 of Lincoln, Nebraska, joined the board, replacing Aaron Straus.

The year 1980 brought the eruption of Mt. St. Helen's. The REACT International Convention was held in Atlanta, Georgia. Life Membership was introduced, and the REACT Forum became a reality. Advertising was introduced into the REACTer for the first time. Lance Luedtke of the Waukesha Area REACT 4085, Waukesha, Wisconsin, and Susan Stewart of Tehachapi Mountain REACT 3600, Tehachapi, California, were elected to the board of directors replacing Mike McCloy and Joe Labrums, who had completed their terms.

The new board members were elected by vote conducted by mail ballot by all of the Teams—another first! The first Forum Officers, elected in Atlanta, were President Nat Maryn, National Capital REACT C490, Washington, D.C.; First Vice-President Raymond K. Adams, of Knoxville Area REACT C255, Knoxville, Tennessee; Second Vice-President Rev. William Shafer, S.E. Rockingham REACT 4105, Woodsville, New Hampshire; and Mary Jane Glock, Lancaster County REACT 2467, Lincoln, Nebraska, secretary.

The year of 1981 began with an increase in

dues to \$7 for Regular U.S. Members and \$5 for Family and Junior Members. The International Convention was hosted by the Indiana REACT Council in Indianapolis. The new directors elected were the Reverend William Shafer of Woodsville, New Hampshire, and John Tracy, who was re-elected to serve a second term. Pete Kreer stepped down as the Executive Director and was replaced by Gerald H. Reese who moved up from Managing Director.

With the resignation of two at-large directors (Arthur Underwood and Rosell Hyde), the board was fixed at 9 members: including 4 at-large directors, 4 field directors, and the Executive Director. REACT UK was formed and welcomed into REACT by Executive Director Reese who journeyed to England, Belgium and Germany to greet European CBers and REACT members.

The Forum continued with Nat Maryn, National Capital REACT C490, re-elected as president; Barbara Chuyen, Daytona Beach REACT 2194, as vice-president for programs; Rick Munton, Roanoke Valley REACT 2166, as vice-president for administration; and Penny Barker of Capital City Communications C42, Atlanta, as secretary. The Forum approved procedures for convention rotation from Western to Central to Eastern to Central to Western areas. The 1982 convention was scheduled for Las Vegas and the 1983 one was scheduled for Wichita, Kansas. General Mobile Radio Service operations continued to grow and became a significant part of REACT operations. This was very evident at the Indianapolis Convention where it seemed almost everyone was on the frequency.

The year 1982 saw the growth of REACT in a more advanced way as the group came together in Las Vegas. The President's Volunteer Action Award was received; international status was received with more than 200 Teams in REACT UK and participation in South Africa, Australia, and other places around the world. In celebrating the 20th Anniversary as an organization, we could proudly and without qualification state that REACT was the most significant organization of its type anywhere in the world.

In 1983, Sedgwick County REACT #4208 hosted the International Convention in Wichita, Kansas. Persons elected to the board were Christene White, C125, Centinela South Bay REACT, Hawthorne, CA, and Bill Shafer. William A. Miller, chief of communications for the Chicago Police Department, joined the board as an at-large director. Henry B. "Pete" Kreer resigned to pursue his business interests. Membership was 1000 Teams and 18,000 members. Dues for 1984 were set at \$10 for Regular and \$8 for Family or Junior. "CB Coalition Against Drunk Driving" was formed. REACT took the lead. REACT membership requirement expansion was discussed at length. The REACTer changed to white paper from newsprint.

CB radio was de-licensed in the USA. Ray Kowalski, chief of the Private Radio Bureau of the FCC, addressed the convention about this topic.

Liability insurance policy coverage was increased. The limit was raised from \$500,000

to \$1 million.

Eugene Goebel, a charter member of the board of directors since it was established in 1975, died.

In 1984, Robert Stone, Robert Stone & Assoc., joined the board as an at-large director. Larry Christopher, Allstate Insurance Co., joined the board, replacing William Miller as an at-large director. Ron Mayes, Sedgwick County REACT #4208, Wichita, KS, and Rick Munton, Roanoke Valley REACT #2166, Roanoke, VA, were elected to the board of directors.

Tandy Corporation donated a Tandy 2000 computer system worth \$6,500. The Team officer bonding insurance program was added. The 1984 REACT International Convention was held in Daytona Beach, Florida, hosted by the Daytona Beach area Teams and the Florida Council.

REACT joined GE Radio in supporting GE's proposal on Personal Radio Service. Despite everyone's efforts, the proposal was defeated.

The Eugene Goebel Memorial Award Fund was started. This fund was established to recognize REACT members who give outstanding service.

Nineteen hundred eighty-five was the year the "C" in REACT was changed from "Citizens" to "Communications." This was done to reflect the expanded role of REACT. The senior citizen discount for Life Membership was implemented. Minimum age for Life Members was set at 13.

Edward N. "Ned" Smith, Suburban REACT #3410, Upper Darby, PA, was elected to the board. Christene White was re-elected. Gregory Seemuth, Allstate Insurance Co., joined the board as an at-large director, replacing Larry Christopher. The REACT International Convention was held in Chicago; it was hosted by the Illinois Council. REACT Forum Task Groups were moved into the board, and Forum offices were discontinued.

The 1986 REACT International Convention was the first convention ever held outside the USA. City of Calgary REACT #2627 hosted the convention at Calgary, Alberta, Canada.

John T. Shettle, of the Indiana State Highway Patrol, replaced Milton R. "Bud" Fink as an at-large director. Nat Maryn was elected to the board. Ron Mayes was re-elected.

After 17 years of service, Gerald H. Reese resigned his position of Executive Director of REACT International. Ron Mayes was hired as General Manager, and REACT International Headquarters was moved to Wichita, Kansas.

The REACTer underwent another change. It developed from a newsletter to a magazine.

In 1986, REACT International rescinded its agreement with the REACT United Kingdom Management Committee and enabled the REACT UK Teams to affiliate directly with International. Some 34 Teams and 500 plus Members did just that.

REACT Australia was started.

In 1987, the CB market started a resurgence with old and new manufacturers getting into the market, introducing new products.

(Continued on Page 8)

July 1: Truckers limited to one state license

July 1 is the beginning of a major new reform in trucker regulation. As of that date, truckers no longer have to obtain licenses from every state through which they travel.

Truckers may now obtain a driving license only from the state in which they live—and failure to return other state licenses in their possession by July 1 can result in criminal penalties of up to \$5,000 or 90 days imprisonment. Employers who hire commercial drivers with multiple licenses also face such fines.

Mandated by the Commercial Motor Vehicle Safety Act of 1986, these requirements are the first of 14 steps (see chart of Safety Act Deadlines below) toward creation of a single national licensing system by 1993. The act applies to drivers of vehicles weighing more than 26,000 pounds, or hazardous material transports of any size.

"Making it work will be a massive undertaking," says Ray Barnhart, head of the Federal Highway Administration (FHWA). But his efforts are generally supported by the trucking industry, which blames recent publicity over unsafe driver practices on the lack of uniform licensing standards.

Federal Standards for Drivers

When the new system is fully in place, minimum federal standards will govern written driver exams and road tests. Licensing standards for different commercial vehicle classifications will ensure that applicants are tested and licensed for the vehicle type they wish to operate. In addition, special tests will be developed for licensing drivers to transport hazardous materials.

Federal testing standards must be issued by July 15, 1988—and states must be in compliance by April 1, 1992. Beginning October 1, 1993, the Department of Transportation (DOT) may penalize those states that fail to meet federal standards by taking away up to 10 percent of a state's highway trust fund monies.

Another key element of the Safety Act is a requirement that FHWA "must also set up a clearinghouse so that all states share information concerning all drivers."

Safety Act Deadlines

July 1, 1987. No driver may possess or apply for more than one license. State laws requiring possession of more than one license must be repealed by December 31, 1989.

July 1, 1987. Drivers must notify employer and state of licensure within 30 days of any moving violation or suspension of driving privileges. Employers may not permit unlicensed or suspended drivers from operating commercial vehicles.

July 1, 1987. Applicants for commercial driving jobs must inform employers of all driving jobs within at least the past 10 years.

October 27, 1987. Drivers may not consume alcohol within 4 hours of going on duty, and must be placed out of service for at least 24 hours if found to have a blood alcohol concentration level of .10 or greater. (DOT is now studying whether this figure should be lowered to .04.)

If a license is suspended or revoked for driving under the influence of alcohol, a driver is disqualified from operating any commercial vehicle for one year (or 3 years, if the violation occurred while transporting hazardous materials); a second offense results in lifetime disqualification.

July 15, 1988. DOT must establish minimum standards for written examinations and driving tests of license applicants. Driving tests must use vehicles "representative" of the type applicants seek license to operate. Additional testing for drivers handling hazardous materials will be required.

July 15, 1988. Minimum standard for information to be included on commercial drivers' licenses must be established by DOT. Licenses must include a "unique identifier." (Many trucking industry groups support use of fingerprints for this purpose.)

January 1, 1989. States must enter into agreement with DOT for establishment of National Driver Register so that information about issuance or suspension of licenses may be shared.

April 1, 1992. All commercial drivers must have vehicle license issued in accordance with federal standards.

October 1, 1993. States that fail to implement acceptable commercial driver licensing programs face loss of federal highway funds (5 percent loss in first year and 10 percent thereafter).



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Stages of Quality

FCC decides against establishing a consumer radio service (PR Docket 86-38)

By Al Hanger, Government Relations Task Group

The Commission has declined to amend its rules to establish a Consumer Radio Service within the 462 and 467 MHz frequency segments now assigned to the General Mobile Radio Service (GMRS).

The FCC sought comments on the advisability of restructuring the GMRS to create a new Consumer Radio Service in this spectrum, to more fully accommodate unmet personal communications needs.

The new service would have emphasized transceivers carried on the person. The object was to provide for personally directed communication where such communication may be the only viable method for two or more persons to keep in touch while out of each other's sight.

Although a great deal of interest was expressed regarding the Inquiry, most commenters focused on the desirability of the current uses of GMRS and the detrimental effect that restructuring the GMRS would have.

In reviewing the comments, the FCC failed to find any specific needs for the service as put forth in the Inquiry. Moreover, comparatively few commenters favored any sort of Consumer Radio Service of the type proposed, and no manufacturers came forward with comprehensive plans for producing the sort of equipment required for such a service.

Additionally, commenters expressed concern with respect to current public safety uses of the GMRS, including services provided by volunteer public service teams such as Radio Emergency Associated Communications Teams (REACT).

Consequently, the Commission concluded that there was no reason to dislocate current GMRS users and that the concept, as advanced in the Inquiry, would not be further pursued.

Action by the Commission April 10, 1987, by Report and Order (FCC 87-125). Commissioners: Fowler (Chairman), Quello, Dawson, Patrick and Dennis.

EDITOR'S NOTE: Our thanks go to all the REACT members and teams who replied to this inquiry.

FCC News Highlights

FCC amends rules to establish Official Mailing Address and locations for receiving fees (Gen. Docket 86-285) FCC Report No. DC-875 of 27 March 1987.

The order establishes new official receipt locations for chargeable submissions. Mass

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media and common carrier applications and filing will continue to be accepted for filing at the Commission's headquarters in Washington, D.C. Applications and filings requiring fees in these services may be either mailed or hand-delivered to the new locations set forth in Section 0.401 (b).

Equipment approval applications now sent to the Commission's laboratory in Columbia, Maryland, will be accepted for filing only at the Washington, D.C. headquarters.

Private radio applications for which a fee is required, now sent to the Commission's office in Gettysburg, Pennsylvania, will be accepted for filing only by the Treasury Department's lockbox bank in Pittsburgh, Pennsylvania. Submissions to this location may be either mailed or hand-delivered.

Land Mobile applications requiring frequency coordination should continue to be submitted first to the appropriate frequency coordinator. The frequency coordinator will in turn forward the application to the lockbox bank, or to the Commission as appropriate, after coordination is completed and the statutory fee, if required, is attached.

Current policies applications and other filings received at the wrong location will be returned to the sender without processing.

General Mobile Radio Service — General correspondence and filings not requiring the fee set forth at Part 1, Subpart G of the rules should be delivered to the Federal Communications Commission, Gettysburg, PA 17325.

Applications or filings requiring the fees set forth at Part 1, Subpart G of the Rules (FCC Form 574) or claiming an exemption, waiver or deferral from the fees requirement shall be delivered to the Federal Communications Commission, General Mobile Service, P.O. Box 360373 M, Pittsburgh, PA 15251-6373, and include a check or money order. A separate payment is required for each application.

FCC Crack Down on the Use of Illegal CB Linear Amplifiers has slowed down, or in most cases stopped. Special funding provided for this has been exhausted. Now you must complain to the FCC, Washington, D.C., (with copy to your congressman and Senator John C. Danforth) in addition to, or copy to, when you write your FCC Field Office.

Another Notice of Inquiry is in the works on GMRS. This one deals with changes in licensing criteria for Groups (REACT TEAMS) and Repeaters. This NOI will be forwarded to you as soon as it is released.

FCC license fee collections top \$800,000 in first month

WASHINGTON—The Federal Communications Commission collected approximately \$823,055 in April during the first month of its new license-fee collection program, according to the FCC managing director's office.

The agency said it expects the figure to top

\$2 million after May's receipts from Gettysburg, PA, and Washington, D.C., are added. The large influx of applications filed prior to the program's start-up on April 1 cut into the first month's totals, the FCC said.

The FCC has requested that fees collected during the remaining fiscal year 1987, ending Sept. 30, be used to help pay for additional personnel, computerized processing and other associated administrative expenses, according to the managing director's office. The FCC expects to incur approximately \$880,000 for these startup expenses through the end of September, but should collect more than \$30 million in fees during that same period, the director's office added.

The agency request will require congressional approval.

Team Events

#C445, Harrisburg Area REACT, Harrisburg, PA summarized their 1986 activities. They spent 17,961 hours receiving and acting on 2,918 emergency calls. They provided over 18,000 cups of coffee and over 8,000 cups of orange drink and iced tea at three coffee breaks. They provided radio communications for 16 events ranging from parades to walk-a-thons to Special Olympics.

#5009, Ipswich and District REACT, Suffolk, UK was featured in a full page article in their local newspaper. The article highlighted some of the Team's activities as well as REACT's 25th anniversary.



#2263, Logan REACT, Logan, WV recently chose a new "Miss REACT" for honors. Frank Wilkes, REACT Captain, presented Miss Sara Mullins with the honor. Five-year-old Sara is a member of the Team and participates in all their activities. Sara is the daughter of Mr. & Mrs. Benny Mullins.

#2291, Bi-State REACT, Dolton, IL provided traffic control for a Bike-A-Thon in Thornton, IL, sponsored by the Thornton Bike-A-Thon Committee to raise funds for the Wyler Children's Hospital in Chicago. The Team also assisted the Thornton Police Department with traffic control for the town's Memorial Day Parade.

Rest Stops



#C332, Herndon REACT, Oakton, VA greeted travelers on Memorial Weekend at two locations on I66. The Team, assisted by #C360 Fairfax County REACT (VA) and #4459 Loudoun County REACT (VA), served an estimated 3,500 motorists. George T. Snyder, Jr., Mayor of Fairfax City, VA, and a REACT supporter, joined 39 REACT

members and other civilians to offer some 4,000 cups of coffee, 300 dozen donuts and friendly conversation to weary travelers.

#4637, Zumbro Valley REACT, Dodge Center, MN held their Memorial Weekend safety break 5 miles south of Owatonna on I35. They served 4004 travelers during cold (38° at night) and rainy weather. This event was featured in "before" and "after" articles in the local newspaper.

#C269, Salt Lake REACT, Salt Lake City, UT carried out their Memorial Weekend wake break at the Silver Creek Junction Rest Stop on I80. Through the help of some generous business people several hundreds of servings of coffee, soda pop and cookies were given out. To make the event more interesting, Lu Dornbush used his cooking skills and served an outdoor dinner to 50 REACTers and their friends. Ceri Smith also contributed to this happy REACT family outing.

Team Events

#C446, Brownwood CB Emergency Unit REACT, Brownwood, TX started their year by working at the crash site of two U.S. Air Force F4 jets. They helped the Sheriff's Office secure the area and guard the wreckage. They provided short range communications to the ground search teams; because they had their CBs, a local rancher was able to advise the Sheriff of the location of one of the victim's bodies.

#C161, Allegheny Valley REACT, Pittsburgh, PA is proud of member Becky Roof. Becky graduated as valedictorian of her High School Class.

#2718, Onslow County REACT, Jacksonville, NC received a special thank you from Betty Worrell, (#2457 Durham—Durham County REACT, Durham, NC). Betty wrote that she had become ill during the state Council meeting June 7. Team members assisted her in getting to a hospital, stayed with her the entire time she spent there, took charge of her car until she could pick it up the next week and made sure she followed doctor's instructions not to drive by finding her a ride home with a fellow Team member. They also called several times the next week to be sure Betty was following doctor's orders and that she had seen her own doctor.

#C332, Herndon REACT, Oakton, VA presented the Distinguished Service Award to Robert Guest for his public relations efforts; Richard Rohmann for his efforts in obtaining, servicing and maintaining their mobile communications van; Robert Baird for his public relations efforts. This honor is the second highest award the Team confers upon a member. Special Recognition Awards went to John Webster for service in various positions on the Board and for late night/early morning monitoring; Arthur "Bud" Brooker for his excellent and highly successful efforts in coordinating the 1986 Memor-

ial Day Weekend Safety Break; Clifford M. Reuter, Jr. for his efforts as Editor of the "Herndon Monitor" which has won First Place in its category in the International Newsletter Contest two consecutive years (1985 and 1986).



#3387, San Angelo REACT, San Angelo, TX presented a concert featuring country music star Joe Stampley (3rd from left, shown with some Team members). The concert, held in the City Auditorium, was the second one presented by the Team and was almost sold out. Joe Stampley, best known for his duets with Moe Bandy, had the large crowd clapping and stomping their feet with his up-beat style of country music.

#C446, Brownwood CB Emergency Unit, REACT, Brownwood, TX hosted the March State REACT Council meeting. As part of this meeting they staged a mock aircraft crash. To do this they lined up two flat bed trailers, three pickups and "every available warm body" to haul airplane parts out to a pasture and scatter them around. All this was in addition to persuading six "victims" to get up at 5:30 a.m. so they could be made up to look realistic. Another March activity found them getting some O.J.T. when a Team-sponsored storm watch weather school was interrupted by a severe thunderstorm warning and tornado watch. Two additional March activities were the Special Olympics and the Rattlesnake Roundup.

EYE-LEVEL AUTO STOP LAMP REDUCES REAR-END COLLISIONS, PRELIMINARY STUDY SUGGESTS

Secretary of Transportation Elizabeth Hanford Dole said today a preliminary study found that the rear high-mounted stop lamp now required on new passenger cars has been effective in preventing rear-end collisions.

The study, conducted by the department's National Highway Traffic Safety Administration (NHTSA), indicated that vehicles equipped with the center high-mounted stop lamp were 22 percent less likely to be struck in the rear by another vehicle while braking. Rear-end collisions are among the most common types of traffic accidents.

"We're pleased that the results so far confirm our earlier determination that this simple, inexpensive safety feature is an effective means of preventing many of the rear-end collisions that occur each year," Dole said.

The study was based on police-reported collisions that occurred between June 1 and September 5, 1986, in 50 counties which make up the statistically representative National Accident Sampling System. It compared rear-end collisions involving 1986 cars, all equipped with the lamps, to 1985 cars, mostly without the lamps. The safety agency found that effectiveness was about the same in large cities, suburbs and non-metropolitan areas.

The center, high-mounted stop lamp has been required equipment on all new cars since the model year 1986 by NHTSA's Federal Motor Vehicle Safety Standards.

NHTSA said the lamps reduce the reaction time needed for drivers to apply their brakes when the vehicle in front of them is braking and are especially effective in preventing chain collisions. The lamp is installed approximately at eye-level and in the following driver's line of sight.

React History / Continued from page 5

The CB buyer of today changed significantly from yesterday. Today's buyer is using the CB radio as "Get Help Insurance," like a spare tire—only use it when needed. REACT Headquarters began changes and improvement to REACT literature and supplies. *Team Topics* newsletter was reintroduced. Pennsylvania Council Challenge raised enough money to purchase a larger copier and new typewriter. Convention was held in San Antonio, Texas, hosted by Guadalupe County REACT #3622. And the Teams' State Council, Henry "Pete" Kreer, REACT's founder, addressed the opening session. REACT history and CB radio of the past 25 years are displayed. Several 25th Anniversary collectibles are introduced.

New major programs and developments, such as the International symbol; Monitor CB9 road sign; and "Getting Help by CB Radio," booklet, which will be made available by several CB manufacturers in their products, are started.

288 TEAMS RENEWED 100% FOR 1987

These Teams listed by state and number renewed the same or greater number of members in their team for 1987. All will be receiving a special certificate to show the special recognition they deserve. Thanks for all their support.

AB 2627	GA C641	MN 4472	OK 3232
AK C334	GA 3474	MN 4570	ON 3027
AK 3462	GA 3991	MN 4637	ON 4270
AL C122	GA 4069	MOC121	ON 4664
AL 3662	GA 4623	MOC188	OR 2867
AL 4450	HI 2231	MOC263	OR 4397
AZ C514	ID 2404	MOC271	PA C015
CA C267	IL C001	MOC336	PA C130
CA C318	IL C036	MS C204	PA C351
CA C373	IL C164	MS C248	PA C445
CA C730	IL C310	MS C714	PA C455
CA 2260	IL 2125	NC C571	PA C546
CA 2271	IL 2545	NC C633	PA C576
CA 2343	IL 2947	NC 2540	PA C602
CA 2609	IL 3223	NC 2788	PA C604
CA 2727	IL 3310	NC 2802	PA 2141
CA 2950	IL 3556	NC 2885	PA 2859
CA 3429	IL 4125	NC 3015	PA 3325
CA 4075	IL 4488	NC 3055	PA 3410
CA 4109	IL 4541	NC 3206	PA 3412
CA C177	IL 4575	NC 4546	PA 3522
CA 3071	IL 4648	NC 4642	PA 3655
CA 3973	IN C032	NE 2736	PA 3814
CA 4474	IN C100	NE 3538	PA 3851
CA 4653	IN C439	NH 4105	PA 4493
CA C011	IN C653	NJ 2497	PR 4190
CA C040	IN C697	NJ 2572	PR 4468
CA C071	IN 2814	NJ 3730	PR 4529
CA C075	IN 3171	NJ 4601	PR 4566
CA C085	IN 3326	NJ 4651	PR 4598
CA C088	IN 3327	NJ 4657	PR 4617
CA C125	IN 3329	NS C716	RI C102
CA C230	IN 3842	NV 3342	SK 4526
CA C241	IN 4514	NY 2154	SK 4562
CA C475	IN 4525	NY 2278	TN 2012
CA C729	IN 4640	NY 2386	TN 3339
CA 2190	IN 4666	NY 3030	TN 4451
CA 2346	KS C386	NY 3609	TX C101
CA 2642	KS 2800	NY 3872	TX C446
CA 2798	KS 3135	NY 4015	TX C687
CA 2917	KS 4208	NY 4368	TX 2615
CA 3109	KY C170	NY 4403	TX 2683
CA 3111	KY 2401	NY 4552	TX 3022
CA 3897	KY 2675	OH C037	TX 3025
CO C050	KY 3000	OH C114	TX 3147
CO C371	MA 4628	OH C282	TX 3387
CO C422	MDC067	OH C322	TX 3622
CO 2024	MDC365	OH C323	TX 3810
CT 3068	MD 2087	OH C363	TX 3860
DC 2515	MD 3252	OH C480	TX 4047
DE 2227	MD 3316	OH C499	TX 4185
DE 4183	MD 3781	OH C575	TX 4374
DE 4438	ME 2899	OH C690	TX 4630
DE 4558	ME 3603	OH 2069	UT C269
FL C019	MI C172	OH 2117	VAC189
FL C265	MI C460	OH 2219	VAC490
FL C401	MI 2403	OH 2373	VAC705
FL C628	MI 3301	OH 2418	VA 2037
FL C700	MI 3653	OH 2624	VA 2166
FL 2562	MI 3957	OH 3006	VA 2336
FL 2591	MI 4205	OH 3193	VA 2974
FL 3490	MI 4499	OH 3837	VA 3361
FL 3720	MI 4663	OH 4193	VA 3471
FL 4577	MN 3179	OH 4522	VA 4536
FL 4638	MN 3436	OH 4544	VA 4621
FL 4649	MN 3791	OK C205	VI 4249

WAC582	WI 3621
WA 2503	WI 3866
WA 2869	WI 4029
WA 3283	WI 4089
WA 3366	WI 4364
WA 4046	WI 4564
WA 4319	WI 4636
WA 4626	WV 2263
WA 4654	WV 3369
WI C457	WV 3921
WI 3210	

Team Events

#3556 Team, North/Northwest REACT of Illinois, Inc., is proud to announce the continuance of a tradition. During the first quarter of 1987, the 25-member Team logged in excess of 11,000 hours monitoring Channel 9 even though the Chicago winter was one of the mildest in history. During 1986, the Team monitored Channel 9 more than 30,000 hours, with one member exceeding 6,000 hours. North/Northwest REACT of Illinois also congratulates Judy and Bill Simpson for their new Life Member status, effective May 19, 1987. They join John and Linda Collins to bring to four the number of Life Members on the Team.

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.

Designed an all new high-tech receiver with the best quality dual-gate JFET front end and super-sensitive FTR tuning that locks in on the weakest signals. Plus the most advanced filtering system ever—three switch-controlled filters that keep atmospheric and electrical noise out AND a sophisticated new three-stage crystal and ceramic filter to block interference from nearby channels.

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.

**CONGRATULATIONS
REACT!**

**For 25 years we've
made a great team.**

MIDLAND CB
First in CB innovation

1690 N. Topping, Kansas City, MO 64120

GMRS . . . Rx

By Judy Simpson
Communications Task Group

Last issue, I promised to elaborate further concerning traffic nets and how to make them work for you. Possibly the nets in LA, DC and the other cities may differ but this works in Chicago.

The first step is to establish the need. If there is a traffic service in your area, approach them directly. In a major area, there may be more than one service. Explain REACT . . . what we do, and that we may hear of traffic accidents or stalls long before anyone else, that we notify the authorities, and that we can then notify them.

In the smaller areas, contact the most popular radio station with the same facts. Again, you probably will have to explain REACT, unless you are one of the teams that has been able to create the good will needed that leads to good public relations.

Assume the need is there, and you are met with mixed emotions . . . they're just not sure of REACT. Offer to contact the traffic service or radio station in the event of something major. Frankly, you are just trying to get a foot in the door . . . but don't tell them that. Use the telephone, but don't drive the service batty with nonsense calls. Attempt to verify anything you get on Channel 9 before you give it to traffic.

The third step is to offer to put a base in their location. The big cities may require GMRS—a portable will be as effective as a base. The smaller cities will probably need a good antenna and CB set.

Sometime during the discussion with the traffic service, there will arise the question, "What do you, as REACTers, want out of all this?" or "Why are you doing this?" Since all REACT teams are non-profit, you cannot ask for direct compensation, or as some people say, MONEY. If a REACT team or member requests money directly, in the form of payment for services rendered, they are susceptible to losing their not-for-profit status. Teams can accept donations, or grants, however . . . or possibly the "compensation" could come in the form of a public service announcement . . . or even a "this just in from one of the REACT units." The bottom line is, be very careful how any request is phrased.

The final step is to actually put units on the road, specifically looking for traffic problems. Each unit should travel a given path . . . perhaps the route to work, and report only that which is out of the ordinary. If your town has a traffic jam every day at 14th and Vine, the traffic service is going to be aware of it . . . and there is no need to report it. Report only if there is NO traffic problem.

Reporting could be to a central REACT "clearinghouse" which would, in turn, report to the traffic service, or to the traffic service directly, with no need to use a REACT center. The choice here would be a mutual agreement between REACT and the traffic service. In Chicago, we report directly to a mobile unit equipped with a cellular telephone, who then calls traffic.

One final thought . . . REACT is, and always has been, Channel 9. GMRS is a tool to enable a REACTer to relay a call further and clearer than ever before. Unless we, as REACTers, monitor Channel 9 more than ever before, we are all going to lose our credibility with the motoring public, with the authorities, and with the FCC. Every REACT team in existence complains about the lack of members, and the subsequent lack of funding. Ladies and gentlemen, unless we get off our collective behinds and actively seek new methods, and new members we are going to lose it all. We, as members, cannot expect miracles from REACT International. As hard as the board tries, and as much as they would like to double our membership, it is absolutely impossible. Only the teams . . . the existing members . . . are capable of accomplishing that miracle. Unless WE are willing to turn the radio on . . . take calls . . . and then follow through with the necessary paperwork, we cannot expect the board of directors to do likewise. Take a chance . . . monitor Channel 9.

Risk of death greater for drivers ejected in crash, new NHTSA study indicates

The National Highway Traffic Safety Administration (NHTSA) said today that the risk of death for drivers who are ejected from their vehicles in traffic crashes is about 4 times as great as that for drivers who remain inside their cars. The risk of death is about 2½ times as great for ejected front seat passengers.

NHTSA said the calculations were based on information obtained from a detailed study of fatal crashes which occurred between 1982 and 1985. Generally, crashes that produce ejections are severe and involve high speed or vehicles that roll over.

"The results of this study are clear confirmation of the critical role safety belts play in protecting lives," said NHTSA Administrator Diane K. Steed. "By keeping an occupant inside the vehicle, safety belts can be the difference between life and death in a crash."

In the 4 years covered by the report prepared by NHTSA's National Center for Statistics and Analysis, 21,240 pairs of drivers and front-seat passengers involved in fatal crashes were matched to determine a driver-passenger fatality ratio.

The agency said that it is unclear why the fatality risk is greater for drivers than for passengers.

A copy of the study, "Relative Risk of Death for Ejected Occupants in Fatal Traffic Accidents," may be obtained by writing to the National Center for Statistics and Analysis, NHTSA, NRD-30, Department of Transportation, Washington, D.C. 20590. Please include a self-addressed label with your request.

NAMES IN THE NEWS

Midland LMR

Ernest Krahenbuhl has been named vice president of marketing of Midland Land Mobile Radio. He replaced David Ferrell, who left the company at the end of April.

Krahenbuhl joined Midland LMR in 1984 after serving as international manager at Electra Co. His experience includes more than 20 years of managing the development and promotion of electronics products.

Motorola Inc.

Motorola Inc. has selected Albert Brashear as vice president and director of worldwide corporate public relations and advertising.

Brashear most recently served as one of President Reagan's special assistants and as deputy press secretary for domestic affairs. Brashear also has held positions as assistant to the secretary and director of public affairs for the U.S. Department of the Interior and as press director for the U.S. Environmental Protection Agency.

Maxon Electronics

Maxon Electronics North America has promoted Sharlene Wells to manager of marketing services.

Wells, who was previously Maxon's marketing services coordinator, will oversee all sales promotional activities and supervise the sales and marketing secretarial and clerical staffs. She joined the company in July 1983.

Regency to relocate land mobile operations from Florida

INDIANAPOLIS—Regency Electronics Inc. here has decided to close the office of its Regency Land Mobile Inc. unit in Satellite Beach, Florida, and move that operation to Regency headquarters here, the company confirmed last month.

The move comes as part of a consolidation begun in January when Regency brought its design and engineering operations here, according to company vice president-treasurer Steve Wilkening.

"As we looked at it further, we decided it would be more efficient and beneficial in the long term to bring back marketing and customer service operations," Wilkening continued.

With the consolidation, he said, "the Indianapolis facility will have total responsibility for all product lines except test equipment," which is handled by IFR Systems, Inc., Regency's 80-percent owned operation in Wichita, Kansas. Primary manufacturing operations will remain in Melbourne, Florida, Wilkening added.

Team Event



#4666, Daviess County REACT, Washington, IN had one of their members honored. Chuck McMahon (center) received a Certificate of Recognition from the Department of Commerce for his outstanding work with the National Weather Service of Evansville, IN, in the field of severe weather preparedness. Norman Carroll (left) representing the Department of Commerce made the presentation. Mayor David Abel (right) assisted.

Midland identifies new CB consumer

KANSAS CITY, MO—Midland International, a worldwide marketer of electronic communications equipment, has revealed market research that shows today's CB buyers to be dramatically different from those of the past.

"While the middle income group is still a big part of the CB market, the majority of CB sales have shifted to upper income professionals, managers, and white collar workers," said John Chass, vice president of marketing for Midland International. "There's no question that the new CB buyer is the same person who's buying VCRs, CDs and camcorders. And when you consider that first-time buyers now constitute 60 percent of the CB market, you can see how impressive this shift really is."

The new CB consumers are discovering the value of citizen band radios as emergency communication devices. In fact, Midland's research shows that 3 out of 4 customers are buying for safety reasons. "People want the security CB radio offers," said Chass. "A call over CB's police and volunteer monitored Channel 9 can bring help fast in case of a roadside emergency. You hope you never have to use it, but you're glad to know it's there."

The research also revealed that women, who constituted only about 5 percent of the market 10 years ago, are now buying nearly half of all emergency-class CB radios sold.

"The CB industry is entering a very exciting period of growth," said Chass. "Our research shows that more and more people are seeing CB radio as a valuable insurance policy no driver should be without."

MOVING?????

Let us know!

AFFIX LABEL
OFF FRONT HERE

NEW ADDRESS:

Send to: REACTer
242 Cleveland
Wichita, Kansas 67214

FCC proposes new standards for 800 MHz Public Safety Communications

WASHINGTON—New standards proposed for future public safety land mobile operations across the country would require efficient use of radio spectrum and inter-operability among local, state and federal agencies.

Under a project being headed by the Federal Communications Commission-chartered National Public Safety Planning Advisory Committee, new policy and technical guidelines are being developed to accommodate future public safety needs and to improve multi-agency coordination of communications during emergencies and disasters.

The national plan is being built around newly allocated private radio frequencies (821-824 MHz and 866-869 MHz). The FCC also has proposed to set aside nationwide common carrier channel pairs to enable local and federal agencies to coordinate communications for emergency situations.

New public safety systems would employ a 12.5 kHz channeling plan, providing 240 channel pairs in each locale, while other technical standards would be similar to adjacent 800 MHz private land mobile bands.

FCC chief scientist Dr. Thomas Stanley said inter-agency communications problems during a tragic airline crash in Washington, D.C., several years ago highlighted the need for improved communications capability among adjacent jurisdictions and the federal government.

The FCC said the national plan will form "an umbrella" for regional planning governed by common policies and guidelines.

The committee submitted its initial report on the national plan April 7 to the FCC and will file a final version in September.

The commission has asked for public comment on its proposal and the committee's initial report. The committee is headed by Joseph Nasser, director of emergency management and communications for the Volusia County Sheriff's Department in Daytona Beach, Florida, and president of the Association Public-Safety Communications Officers.

Land mobile industry endorses 220-222 MHz take back from amateur radio

The land mobile industry has endorsed government efforts to open the 220-222 MHz band for narrowband technology, but is facing widespread opposition from amateur radio operators now occupying that spectrum.

"Our position is that the band is quite heavily utilized," said Phil Sager, regulatory director for the American Radio Relay League. The Newington, CT-based association represents about 140,000 radio amateurs around the country, about a third of all licensees. Sager explained, however, ARRL actually speaks for most of the active amateurs since many licensed operators do not participate.

He claimed that the Federal Communications Commission (FCC) is unaware of actual amateur use on the 220-222 MHz band since occupancy figures listed in the group's ARRL repeater directory don't show the "many thousands" of persons using this segment for relay and packet data purposes.

Sager said that ARRL's 49-page filing with the FCC includes numerous exhibits documenting the band's utility. He added that at least 2,000 comments from clubs, individuals and local county organizations have been filed in protest of the agency proposal and said he expects that number to be larger when all the comments are counted.

Reply comments were due at the commission by June 19. The agency's proposal encompasses a restructuring of the 216-225 MHz band allocations.

Meanwhile, land mobile interests have applauded the FCC initiative because of the spectrum it opens for exclusive narrowband use. Spectrum-efficient technologies, such as amplitude companded sideband, digital, narrowband FM and others have taken on increased significance in view of diminishing spectrum for land mobile use.

LAOAD Radio and Microwave Communications and Consultants, a recent proponent of narrowband in 216-220 MHz band, predicted the proposal would mark the start of the "narrowband revolution" and pressed hard for low-speed data transmission on these frequencies.

The Special Industrial Radio Association said it supported the proposal to reallocate the 220-222 MHz band for land mobile use exclusively, but suggested that the FCC be mindful of amateur radio needs in its review.

Amateurs would maintain their hold on the 222-225 MHz band under the proposal, with fixed and mobile services bowing out of this segment.

SIRSA asked the FCC to consider expanded use of 216-220 MHz band, reserved primarily for inland waterway communications and other secondary uses, and make it available for telemetry use.

The Associated Public Safety Officers, likewise, filed in support of the proposal, but asked the FCC to dedicate a portion of the frequencies for public safety use.

Publicizing REACT

by Dick Pratz

Keep the press release out of the trash can

By Joseph McGovern, VP,
Communications Counselor,
Inc.

First of all let's put to rest the misconception that press releases are a waste of time, that editors do not welcome them and that they are not read. The fact is that a substantial portion of all the local news in most newspapers, other than spot-news such as crimes and disasters, comes to the attention of editors via the press release.

Since the number of releases arriving in the mail is large, your release must compete for the editor's interest.

How can you get your release its proper share of attention? There are 2 basic formulas to follow: proper format and effective writing.

FORMAT

- The top of the release should give the name, address and phone number of the person who is to be contacted for questions or further information. Even if using an organization letterhead, it is important to have a phone number for the contact.

- The release should be dated. Indicate whether it is for immediate publication or intended for use at a later date.

- The news text of the release should be typewritten and must be double-spaced, allowing room for corrections, style changes, type instructions or inserts.

- It is advisable to keep news releases as short as possible. However, if a release runs longer than a single page, each subsequent page should be numbered and labeled as to subject matter. For example: Page 2 (New Officers).

- Each page should end on a paragraph with the next page starting with a new one. Never start off a page in mid-sentence.

- Do not type on the back of the release. If the release runs over a page, start a fresh one for the second page, even if it involves only a sentence. It would be better to cut out a few lines, than to print on the back of a page.

- It is best to direct the release to the appropriate editor or department rather than the catch-all "Editor." Some items could fall into spot-news, features or other categories. A call to the editorial department for the proper name or department and deadline requirements is often advisable.

So much for the format. Now let's look at the do's and don'ts involved in writing the release.

CONTENT

The basic rule for content is: Keep it simple.

Keep sentences short and uncomplicated. The most useful punctuation mark for use in a press release is a period. Whatever the nature of the release, it should be as concise as possible.

Generally, press releases fall into 3 categories:

- The advance, which is an announcement of a future news event.
- An account, or report, of something that has just happened.
- Statistical or feature information.

The information the release should include is, unfortunately, best described in the old newsman's 5-W formula: Who, What, Where, When and Why.

I say "unfortunately" because many people, including some reporters, interpret the 5-Ws to mean they all should be answered in the first 2 or 3 paragraphs of the release. Further detail on the Ws, other than the basics, can be included later on in the story.

It would be a good idea to use the list of Ws as an outline for your own use to be sure you have included all vital data.

Accuracy is essential. Double-check all phone numbers and addresses. Be particularly careful with information you have taken over the telephone. Be sure spellings of names are correct. If someone provided you with a date for an event, such as "Friday, July 4," check the calendar to be sure that July 4 is indeed on a Friday.

Everybody makes errors and newspapers certainly make their share. However, errors can be embarrassing to you. Also, if you hope to become a resource for your newspaper, it is important your reliability be established. This in turn helps enhance your credibility.

THE FINAL RULE

The last thing to remember is really the most important of all: The press release is not an art form. I can predict safely that no press release will ever be awarded a Pulitzer Prize for literature. I might add that I have never heard said in the newsroom: "Wow! What a superbly written press release!"

The press release is a simple communication vehicle to provide information which you hope will be used in some fashion in the newspaper.

A lot of purple prose, "fluff" and extremely self-serving statements will serve to help keep the information out of the paper, not to get it in. The editor feels flamboyant, hard-sell copy belongs in ads, not news columns.

The same basic rules would apply to TV or radio releases with one addition for each. TV assignment editors would appreciate a note on film possibilities. Radio news directors would like information on who they could tape for broadcast.

— From *Florida Realtor*,
July/Aug. 1986
FL Assn. of Realtors

Council Events



Photo taken at the General Meeting (CVRC) Virginia State Council in Bridgewater, Virginia, May 16, 1987. (Not all present were available for the photograph.)

The Commonwealth of Virginia REACT Council held their mid-year meeting in Bridgewater, VA, May 16. Forty-seven Virginia REACTers met Ron Mayes, REACT International General Manager, and Dick Pratz (Belton, TX), Life Membership Chairperson. It was a busy all-day meeting with a delicious noon meal served by Team #3361 Rockingham County REACT.



Ronald O. Mayes, General Manager and Editor of REACT International, was guest speaker at the CVRC General Meeting of the Virginia State Council in Bridgewater, Virginia, May 1, 1987. Seen in photo (L/R): John C. Webster, Herndon REACT secretary; Al Hanger, Herndon REACT (REACT International Task Group Leader); Ron Mayes (General Manager, REACT International); and Bob Baird, Herndon REACT (Public Relations/Publicity).

The New Jersey Council of REACT Teams has published 2 issues of their newsletter *Radio Waves from the Garden State*. They are receiving many favorable and encouraging comments.

(Continued on Page 15)

Team Events

#2869, Evergreen REACT, Lake Stevens, WA congratulated member Kyle Knuchell. Kyle was presented an award by Governor Booth Gardner for being an "Outstanding Volunteer". Because Kyle could not attend the ceremony in Olympia, his mother, Muriel, accepted for him.

LIFE MEMBERSHIP CORNER

by Dick Pratz

I am pleased to introduce you to seven new Life Members:

LM 343, James T. Rogers
Forsyth County REACT 2802
Winston Salem, NC

LM 344, Paul V. Kelly, Jr.
McGuire Alert Team 2797
Wrightstown, NJ

LM 345, W.F. (Bill) Simpson
North/Northwest REACT 3556
Des Plaines, IL

LM 346, Judith A. Simpson
North/Northwest REACT 3556
Des Plaines, IL

LM 347, Frank W. Jenkins
Bell County REACT 4047
Temple, TX

LM 348, John K. Eubanks
Bell County REACT 4047
Belton, TX

LM 349, Vern Eddie Ziesch
Sedgwick County REACT 4208
Wichita, KS

At the July 1984 convention, we had 241 Life Members on the rolls. At the July 1986 convention, we had 275 Life Members on the rolls and that was when the Board of Directors announced the need for a dues increase. At this time there are 349 Life Members on the roster and several on the time payment plan about to become Life Members so let's take another look at the Life Members around the world.

Eleven states have no Life Members, but that is an improvement from the 18 in 1984 and the 13 in 1986, but there is still a lot of room for growth.

Every Team has someone who should be a Life Member. There is the person who is always there when you need him/her. Consider the Team making him/her a Life Member in recognition of their efforts. It will make a closer bond between the Team and its new Life Member.

Now is the time to become a Life Member because there is always a chance for increase in dues which raises the cost of Life Membership.

The Life Membership Committee will meet at the REACT 25th Anniversary Conven-

tion in San Antonio. The committee will meet Wednesday at the noon meal. The items of business to be considered at that time include: (1) Should Life Membership be issued posthumously; (2) The election of the Life Membership Chairman; and (3) Items submitted from the floor.

This will be my final article as your Life Membership Chairman (OK, Ron, Task Group Leader) and I want to take this opportunity to thank you for your support and input to the directory. I look forward to seeing you in San Antonio.

REMEMBER: Life Members Help Keep Life in REACT.

State	1986	1987
Alabama	4	4
Alaska	1	1
Arizona	4	6
California	31	35
Colorado	0	2
Connecticut	2	2
Florida	47	50
Georgia	2	4
Hawaii	1	2
Illinois	9	13
Indiana	6	6
Iowa	2	2
Kansas	8	15
Kentucky	1	1
Louisiana	2	2
Maine	1	1
Maryland	14	17
Massachusetts	1	7
Michigan	3	4
Minnesota	2	1
Missouri	1	2
Nebraska	6	6
Nevada	3	5
New Hampshire	1	1
New Jersey	4	11
New Mexico	1	1
New York	7	11
North Carolina	4	6
Ohio	5	6
Oregon	0	4
Pennsylvania	11	12
South Carolina	1	1
Tennessee	3	4
Texas	25	30
Utah	2	2
Virginia	10	15
Washington	29	31
Wisconsin	6	9
Puerto Rico	1	1
Alberta, Canada	2	2
Ontario, Canada	5	7
Venezuela	1	1

REACTively
Richard E. Pratz

LETTERS WE LIKE TO GET!!

Dear Sir:

On 25 May 1987, at 12 midnight I had a flat tire while traveling east on Route 395 near the Sixth Street Exit. What would have been a routine tire change became a serious problem when my jack malfunctioned. I was in a very dangerous location with no immediate access to assistance.

At this dark moment a young man—Al Sevilla—stopped and asked if I needed assistance. He contacted a roadside assistance REACT team and set out warning flares. In 10 minutes a team (Mr. D. Richard McDew) arrived and I had my tire changed.

As a visitor to Washington my initial impression to the city was not favorable. The concern and professionalism of your volunteers has changed my opinion considerably. These men were most helpful and reassuring.

I have enclosed a check for \$25 to express my appreciation for the assistance provided to me. I know that these men do not work for financial gain but I'm sure that your organization has overhead costs that must be met.

Again my thanks and admiration go out to your volunteers.

Gratefully,
Michael T. Byrnes

Let's Set the Story Straight

DID AMERICAN SOLDIERS WHO FOUGHT IN WWII HAVE TO PAY FOR COFFEE, DONUTS, MEALS, AND OVERNIGHT LODGING FROM THE AMERICAN RED CROSS?

The American Red Cross which had never accepted a dime from the U.S. government (and to this day relies totally on voluntary contributions) was asked to establish club facilities for U.S. servicepeople overseas where troops from all allied forces would be welcome.

Australians and British in uniform had to pay for off-base food and lodging because voluntary giving (which is characteristic of the United States) is not the pattern in other countries.

The British High Command then made an official request that U.S. servicepeople be required to pay for whatever they received too.

The Red Cross protested strongly. It lost the fight, however, when a "request" came from U.S. Secretary of War Henry Stimson. His letter dated March 20, 1942, was equal to a command.

Allegations have persisted that the Red Cross made a profit overseas. The truth is that the clubs operated at a loss and represented a heavy financial burden to the Red Cross.

How unfair that this organization has had to take the rap for a decision made by the United States Army. Today, 45 years later, the truth is still unknown by everyone.

Newsletter contest judges selected

The Newspaper Judging Committee is pleased to report that the 2 local outside judges have been picked.

They are:

Mr. Jay Rogers, Assistant Managing Editor of *The San Antonio Express-News*.

Mr. Joe Rust, Associate Editor and Editor of the editorial page of *The San Antonio Light*. Mr. Rust is a former president of the San Anto-

nio Press Club and of the San Antonio Chapter, Society of Professional Journalists, Sigma Delta Chi. He holds citations from the Hearst Newspapers, the Associated Press, and United Press.

At the convention we will accept a volunteer from those in attendance who has neither a Team nor Council paper in the judging to round out the 3 judges needed.

Regency criticizes cellular security, defends label plan

WASHINGTON—Regency Electronics Inc. has defended its scanner labeling proposal, and has criticized the cellular industry for not taking its own initiatives to better secure cellular technology.

Responding to industry comments on its petition to the Federal Communications Commission (FCC), Regency reminded commenters that new electronic privacy laws do not prohibit manufacture and distribution of scanning equipment, but reiterated its position that labels should be required on the units, stating that improper use may violate those privacy laws.

The scanning industry has endorsed the concept as preferable to being required to retool scanning equipment to prevent illegal use.

Regency's petition is pending before the FCC.

The cellular industry has charged that labeling as proposed by Regency is redundant and has accused Regency of attempting to wash its hands of responsibilities brought on by the new privacy laws, which took effect in January. A separate proposal filed late last year by the Washington Legal Foundation seeking cellular phones privacy warnings has also been opposed by the cellular industry.

That motion also is pending before the commission.

Tandy Corp. is among those that have offered conditional support for Regency's proposal, backing the idea for scanners receiving 800 MHz signals—cellular communications—but not for units that don't receive 800 MHz signals.

The Scanner Association of North America has said it supports labeling scanners instead of limiting them technically.

"Restricting reception capabilities of scanners is a costly and ineffective alternative; it would penalize users with legitimate purposes for full coverage scanners, but it would not prevent reception by those using block converters or other types of reception devices," stated the association.

The Association of North American Radio Clubs has said scanner labeling is insufficient for consumer awareness of privacy laws and suggested that manufacturers include additional information with the owner's manual.

Regency replies in its recent comments that, although extra information packaged with the owner's manual might be helpful, simple labeling likely would be more effective.

Plan for response to catastrophic earthquakes adopted

WASHINGTON—The Federal Emergency Management Agency (FEMA) announced on June 5 that 25 federal agencies have adopted a plan to provide immediate and massive assistance in the event of a catastrophic earthquake in the United States.

The document, "Plan for Federal Response to a Catastrophic Earthquake," focuses on providing supplemental support to affected states or territories during emergency response operations. In doing so, the plan represents a basic departure from other federal disaster assistance, which is usually limited to the recovery phase of the crisis.

The plan is based on the recognition that the President would declare a major disaster soon after the event has occurred and that the federal government would be required to respond immediately.

In the case of a catastrophic earthquake, or other catastrophic natural event, a broad spectrum of federal resources, capabilities, and expertise not normally available in the impacted area would be critical to saving and protecting lives. As was learned in the Mexican earthquake of September 1985, the longer persons are trapped in damaged or destroyed structures, the more rapidly the death toll increases. Effective response, the plan notes, would require an immediate infusion of federal assistance, particularly search and rescue personnel and specialized resources to minimize the number of additional casualties.

Signers of the plan include the head official or designated representative of the Departments of Agriculture, Commerce, Defense, Education, Energy, Health and Human Services, Interior, Justice, Labor, State, Transportation, and Treasury; American Red Cross; Corps of Engineers; Environmental Protection Agency; FEMA; Interstate Commerce Commission; National Communications System; Office of Personnel Management; Veterans Administration; Federal Communications Commission; General Services Administration; National Aeronautics and Space Administration; the Nuclear Regulatory Commission; and the U.S. Postal Service.

A limited supply of copies of the plan is available. A copy may be obtained by writing to:

Federal Emergency Management Agency
P.O. Box 70274
Washington, D.C. 20024

cent increase in total support and revenue for 1986 compared to 1985. Total expenses rose by 41 percent, resulting in a net income improvement of \$493,310.

NCA is the national nonprofit organization combating alcoholism, other drug addictions and related problems. Founded in 1944, NCA's major programs include prevention and education, public information, public policy advocacy, conferences and publications.

Contest winners to be Honored

WINNERS OF NATIONWIDE STUDENT POSTER-ESSAY CONTEST ON "WAYS TO SAY NO TO ALCOHOL" TO BE HONORED AT CAPITAL EVENT (New Hampshire, New York and Kansas students to go to Washington)

WASHINGTON, D.C. (May 20, 1987)—The winners of the nationwide "Ways to Say No to Alcohol" poster-essay contest for 3 million 4- to 6-grade students will be announced and honored at an awards ceremony on June 9, in Washington, D.C.

The National Council on Alcoholism (NCA) and *Weekly Reader*, the nation's oldest classroom newspaper, are co-sponsors of the contest, made possible by a grant from the General Electric Foundation, aimed at combating a growing trend of alcohol use by elementary school-aged children. Alcohol is the nation's number-one drug problem and the leading cause of accidental death among American youth.

U.S. Senators and Congressmen representing the following winning students will join NCA and *Weekly Reader* executives to display publicly for the first time the winning posters and essays and to honor the students and their teachers who will be flown to the nation's capital for the congressional ceremony.

Grade 4: Josh King and Edmund Hernandez
Wentworth, New Hampshire

Grade 5: Holly Gaddy and Elizabeth Kajunski

Port Washington, New York

Grade 6: Jason Ciger and Jarrod Rowland Alden, Kansas

The contest caps the first year of a nationwide NCA-*Weekly Reader* education program called "Say No. And Say Yes to Your Life." The program is in response to a 1983 *Weekly Reader* survey which found that 30 percent of 4th graders reported that children their age push each other to use alcohol.

A repeat survey conducted in 1987 indicates that the percentage of 4th graders reporting "some" to "a lot" of pressure to try alcohol has risen 36 percent.

NCA REPORTS LANDMARK YEAR IN 1986

NEW YORK, NY, June 17, 1987—The National Council on Alcoholism reported that it achieved a financial operating surplus for the first time since 1981, in its 1986 Annual Report released today.

"Thanks to the renewed dedication of NCA's supporters and an aroused public, the alcoholism field has made substantial progress in the 1980s," outgoing Board of Directors Chairman Wheelock Whitney said in his message. Whitney also noted that "about half of our population is directly affected with alcoholism and other alcohol-related problems."

The NCA Financial Statements audited by Arthur Anderson & Co. show a 108 per-

Death and injury rates decline in New York after belt law

The National Highway Traffic Safety Administration (NHTSA) said today that early results from a study in Suffolk County of New York's safety belt law indicate a 17 percent decline in the fatality rate and an 8 percent decline in the rate of hospital admissions for treatment of injuries resulting from motor vehicle crashes.

The safety agency cautioned that the data are preliminary, based on injury cases reported for the first half of 1985 by hospitals in Suffolk County. The 1985 injury data was compared to the same six-month period in 1984 before the state of New York had a belt law.

According to NHTSA Administrator Diane K. Steed, "These promising results from New York are additional evidence that belt laws can bring about a dramatic improvement in public safety."

"Nationwide, these laws have reduced front seat occupant fatalities by 7 percent, meaning that more than 1,300 people are alive today because of belt laws in effect in 1985 and 1986," she said. "In addition, thousands of people either avoided injuries altogether or sustained less serious injuries because a belt law encouraged them to buckle up."

In 1984, New York became the first state to enact a safety belt use law. Enforcement of the law began on January 1, 1985. The study documented these safety improvements during the first six months the law was in effect:

- The motor vehicle trauma fatality rate (the proportion of motor vehicle trauma cases that resulted in fatality) decreased 17 percent;
- The motor vehicle trauma occurrence rate (the number of motor vehicle trauma cases seen in emergency departments of Suffolk County hospitals per 1,000 residents) decreased 8 percent;
- There were decreases in the percent of accident victims with injuries to the head (23 percent) and neck (42 percent).

"Twenty-seven states and the District of Columbia have belt laws and other states are considering them," Steed said. "This positive experience in New York should be added impetus for states without belt laws to follow its lead and enact this life-saving legislation."

The NHTSA-funded study is being conducted by the Brookhaven National Laboratory and the State University of New York at Stony Brook. The objective is to estimate the effectiveness of the state's law in reducing the incidence and severity of injuries caused by motor vehicle crashes. It will continue in 1987 refining the earlier data and combining it with subsequent information from participating hospitals.

The REACTer

Council Events / Continued from Page 12

The Pennsylvania Emergency Communications Council (the Pennsylvania Council of REACT Teams) was presented with a Certificate of Merit from the U.S. Congress by Congressman Tom Ridge. Specifically mentioned incidents were Hurricanes Agnes and Gloria, the Shippenport and Three-Mile Island nuclear situations and the 1985 tornadoes.



John Kennedy (center), member of the House of Representatives of the Commonwealth of Pennsylvania, presents a Citation by the House of Representatives to James E. Bear (left), President; and John H. Murdoch, Recording Secretary of the Pennsylvania Emergency Communications Council (the Pennsylvania Council of REACT Teams). The Citation makes note of 1987, as the 12th year of PECC and the completion of the first quarter century for REACT International.

WANTED: Writers and photographers for *The REACTer*

Has your team gone into action lately? Did you take any pictures? How about a story — was one written? We want you to "Show and Tell" about your team's community efforts in *The REACTer*. The best photos are the ones that show REACT members, in REACT apparel, doing some kind of activity related to REACT. Black and white pictures are preferred but color shots in good focus will work. Three inch x 4 inch or larger and with a glossy finish are needed. If you have a real good photo, you could be on the cover of *The REACTer*.

Writers are needed to tell about Team or Council events—activities and emergency responses. We also would like some "technical" articles which deal with CB, GMRS, ham and scanner radio.

These articles can be one time or a series.

For more information, contact Ron Mayes (316-263-2100).

Liability crisis hitting grassroots America

I travel all across the US in an effort to help put an end to today's liability crisis—a crisis that has a stranglehold on this country. But if I really want to see the results of that crisis, I only have to look as far as Fairfax County, my home.

For example, in 1985, the county could no longer get insurance for many of its recreational programs and began a self-insurance program that did not protect volunteers. The results were dramatic.

From 1983, when the spate of lawsuits began, to 1986, the number of volunteers in the county recreational programs declined from 4,740 to 2,430. One Saturday program for handicapped children that once had 78 volunteers now has 2.

Fortunately, Fairfax County just approved a new insurance program designed to cover volunteers, and I am eager to see whether the number of volunteers picks up.

Similar problems face local organizations involved in white-water rafting, a very popular summer pastime in Washington, as well as riding stables, diving teams, campground operators and those who supervise playgrounds with seesaws and other equipment for children.

Last month my efforts to rent a boat locally were unsuccessful—the owner said the liability crisis has forced him to curtail rental services this year.

We need comprehensive reform of our civil justice system. We need to end the system that allows Americans to collect from the deepest pockets regardless of the degree of responsibility for a problem. We need to reduce lawyers' contingency fees and put caps on wildly exaggerated non-economic damages. And we need to control runaway punitive damage awards and other miscarriages of justice.

The alternative is young swimmers without places to swim, the poor without clinics to serve them, empty baseball and soccer fields, and the deterioration of hundreds of other services we have come to take for granted.

Look around, it's already happening.

President James J. Coyne of the American Tort Reform Assn. writing in *The Washington Post*, May 21, 1987

EDITOR'S NOTE: This article helps bring out the real benefit of being a dues-paying member of REACT International. Our \$1 million liability insurance coverage not only protects members, but can open doors for REACT Teams to provide additional public services. Other volunteer groups without liability insurance coverage are now being viewed as a liability and subsequently are dropped from participation in many civic activities.



New Products Section



COBRA DEVELOPS FIRST USER-PROGRAMMABLE CB RADIO WITH WEATHER SERVICE BROADCASTS

CHICAGO—The first CB radio with six user-programmable channel memories plus an integrated National Weather Service receiver is one of the unprecedented technological advances in personal communications products being introduced by Cobra at the 1987 Summer Consumer Electronics Show (SCES).

"Cobra is once again redefining the state-of-the-art in CB radios more than 25 years after Cobra pioneered the CB industry," stated John Ehrisman, Cobra's vice president-marketing. "This remarkable new 31 PLUS CB will appeal to traveling motorists as well as to CB enthusiasts, truckers and other professional drivers."

The channel memories and weather service function have never before been available in a CB radio. The 31 PLUS becomes Cobra's new top-of-the-line mobile CB at \$199.95 suggested retail.

The six transmit/receive channel memories are programmed and activated with separate soft-touch electronic controls. This enables users to select their favorite CB channels with the press of a single button, just like tuning an electronic car radio.

The unique, built-in weather-broadcast receiver in the Cobra 31 PLUS is pretuned to all of the localized National Weather Service broadcasts throughout the country.

The weather broadcasts provide local forecasts and weather summaries as well as weather-related highway/waterway information and emergency announcements about travel conditions. Separate soft-touch buttons are provided for instant access to the weather frequencies as well as for emergency CB channel 9.

The 31 PLUS also incorporates a new design in its mounting hardware. It has a multi-position bracket that tilts and slides the length of the radio to permit custom positioning of the CB in any vehicle interior. The bracket also has a quick-release feature for easy removal of the radio.

The unit features LED function indicators and a bar graph signal-strength meter with seven segments in three colors. Up/down electronic tuning is supplemented by a large LED channel display, an adjustable beeping tone to confirm channel change, and "channel saver" function to retain the last channel used.

FOR MORE INFORMATION CIRCLE NUMBER 1 ON CARD.



COBRA EXPANDS SCANNER RADIO FAMILY WITH POCKET-SIZED 100-CHANNEL UNIT

Cobra is announcing major advances in scanning receiver technology, size and features with the introduction of its new miniaturized, 100-channel unit with electronic digital tuning and five memory banks.

The new pocket-sized, handheld scanner—Cobra Model SR-15—is the fifth model in Cobra's new family of sophisticated scanning receivers.

The SR-15 scanner is the first pocket-sized, handheld unit with 100-channel capacity along with five separate, programmable scanning memory banks. This premium unit (\$299.95 suggested retail) features 11-band coverage for reception of police, fire, paramedic, government, military, aircraft, business and amateur ("ham") radio broadcasts.

"The respected Cobra name is enjoying immediate acceptance among scanner retailers and users," stated John Ehrisman, Cobra's vice president-marketing. "Despite entering the scanner market only within the past year, our new Model SR-15 will be the most sophisticated handheld receiver in the industry."

The unit's memory feature—each of the five banks can store up to 20 frequencies—enables added monitoring convenience. Channels can be grouped within the banks in any order for faster and easier access; the memory banks can be monitored separately as well as together in any combination.

A complete array of automatic operating functions are featured, including normal scan, automatic search, channel lockout, channel priority, selective scan delay, channel hold and manual scan.

The SR-15's backlit, six-digit LCD display shows the channel position and frequency readout during automatic and manual scan. The display also indicates the status of three operational modes (priority, lockout and

delay) and the five-position memory bank.

The ultra compact Cobra SR-15 scanner is only 6" in height and 2 3/4" wide. It has a durable, weather-resistant anodized aluminum and high-impact ABS plastic case in black with gold accents. Accessories packed with the unit include a flexible rubber antenna, rechargeable ni-cad battery pack, AC adapter-charger, earphone and carrying case.

FOR MORE INFORMATION CIRCLE NUMBER 2 ON CARD.



MIDLAND ANNOUNCES NEW HIGH PERFORMANCE MARINE CB RADIO

Midland International has added a new deluxe 40-channel marine CB radio to its full line of portable, mobile and base station CB radios and accessories.

Midland Model 77-157 has a specially designed waterproof seal and water resistant speaker for protection in marine environments. The new radio is also equipped with high-performance features like a PLL tuner for pinpoint accuracy, a High/Low tone switch that adjusts signals for peak reception, and a microphone gain control that adjusts talk power for maximum range and clarity.

Midland's new marine CB also offers a Brute noise filter that controls electrical power system noise, a Local/Distant control that adjusts dynamic range for zero distortion of close-in signals, an easy-to-read S/R/F meter to monitor signal strength and RF output, instant emergency channel 9, a Public Address system and high intensity green readout.

New Model 77-157 has an attractive marine white cabinet with blue accents. Suggested retail price is \$169.95.

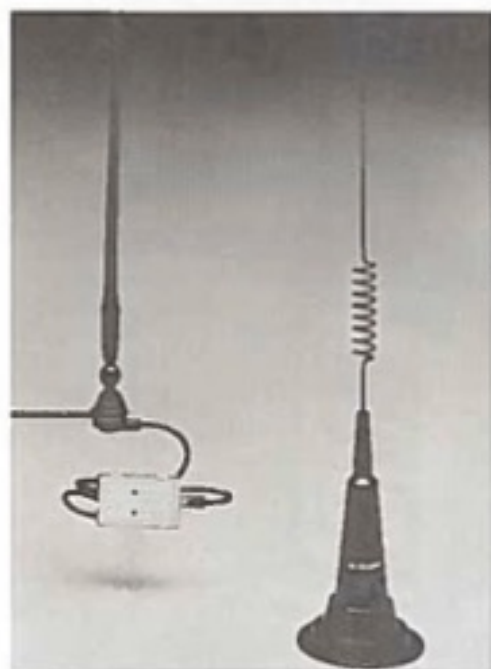
FOR MORE INFORMATION CIRCLE NUMBER 3 ON CARD.

NEW CELLULAR LOOK-ALIKE AND TRI-BAND CB ANTENNAS FROM MIDLAND

Kansas City, MO—Midland International has added two innovative CB antennas to its complete line of portable, mobile and base station CB radios and accessories.

Midland Model 18-2985 is a new cellular

New Products Section



look-alike magnetic mount antenna with the unique air-wound cellular style coil. The antenna's whip is tough 17-7 stainless steel in jet black. Midland's Hi-Pro coil assures maximum coverage and talk power. Model 18-2985 is prewired, factory tuned, skin-packed in a display package and has a suggested list price of \$34.95.

Model 18-236, another new Midland mobile antenna, includes a splitter to run AM/FM standard broadcast radio plus CB radio. With a rugged 16" rubber mast and 12 feet of cable, this new antenna is well-suited for cars, trucks, vans, RVs and motorcycles. Suggested retail price is \$29.95

FOR MORE INFORMATION CIRCLE NUMBER 4 ON CARD.



UNIDEN INTRODUCES FULL FEATURED MOBILE SCANNER

Indianapolis, Ind., May 1, 1987—Uniden Corporation of America President John Okazaki introduces the BC 580XLT, the industries best featured mobile scanner. Designed with the legendary "Bearcat know-how", the BC

The REACTer

580XLT is ideally featured for the enthusiast, yet simple enough for the novice. It fits perfectly into a vehicle environment or can be used as a base with its pop up stand.

The BC 580XLT is the result of over 3 years of research and development from the world's leader in radio scanners. It's a full featured model with 100 channels in 5 banks covering the major bands between 29 MHz and 570 MHz. It has illuminated controls for night driving. It includes search, priority, lock out and delay while incorporating the latest in Track-Tuning technology.

The BC 580XLT is compact making installation easy and has illuminated controls for night time use. It's completely programmable giving you the utmost in flexibility, dependability and performance. The BC 580XLT is affordably positioned at a suggested retail price of \$399.95 and will be available in August.

FOR MORE INFORMATION CIRCLE NUMBER 5 ON CARD



A/S RELEASES NEW 800 MHz TRI-BAND DISGUISE ANTENNAS FOR FORD, CHRYSLER, UNIVERSAL MOTORS

CLEVELAND, OH — A new series of 800 MHz disguise mobile antennas covering trunking, conventional or cellular applications has been released by The Antenna Specialists Co. Each of the antennas is a cosmetic match for standard-equipment AM/FM broadcast antennas, with 31-inch taper-ground 17-7 PH stainless steel whips on specially designed, look-alike mounts.

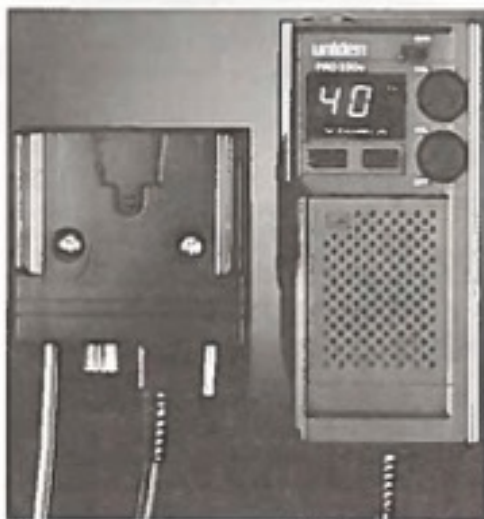
Series ASP-1827 for use with Ford vehicles is offered in three different models covering 806-866 MHz plus two cellular models covering the 821-896 MHz band.

Series ASP-1828 is similarly offered for installation on Chrysler cars. An additional series, ASP-1829, is designed with a compact universal mount suitable for narrow fenders only one inch wide with up to 15° slope. A universal mount, Model ASP-1823, also is available.

All of the models will accept up to 50 Watts of power and are designed for universal application with swivel base mounts in 3/8" holes.

Each antenna is furnished 15' of low-loss PROFLEX 800™ cable for maximum signal from the 2.3 wavelength high angle radiators. An optional broadcast coupler, Model ASP-929, is available to provide the use of two-way and AM/FM equipment on the same antenna.

FOR MORE INFORMATION CIRCLE NUMBER 6 ON CARD.



UNIDEN ANNOUNCES PROFESSIONAL MOBILE CB RADIO

The PRO 330e sets a new standard for Citizens Band communications in performance, flexibility and size. It's backed by more than twenty years of communication experience.

This unique transceiver is a completely self-contained 40 channel CB radio built into a microphone. It incorporates all of the most desirable features right on the mic. It takes the place of a remote CB without any "Black Box" to install. It has electronic channel up/down keys for easy one handed selection. The Volume and Squelch control are conveniently located for thumb operation. It also includes an ANL on/off switch to help reduce noise and interference.

The unique mounting cradle of the PRO 330e offers the ultimate in installation flexibility. The cradle is also a connector block for the antenna and power cables. It's easy to disconnect the special "mic" cord for safe, secure storage. It mounts directly to the dash or console. It can also connect to most any standard mobile telephone mount for a custom installation.

The PRO 330e package includes the radio, mounting cradle, coiled antenna/power cord and fused power cord. The superior engineering of the PRO 330e will treat your ears to professional 2-way radio communications as you've never heard it before. It has a suggested retail price of \$159.95.

FOR MORE INFORMATION CIRCLE NUMBER 7 ON CARD.

New Products



PRIORITY, "INSTANT WEATHER" AND SEARCH ARE FEATURED IN NEW REGENCY R1080 SCANNER

INDIANAPOLIS, IN—A moderately-priced programmable scanner that features "search," "weather scan" and a priority channel has been announced by Regency Electronics.

The Regency R1080 features 30 channels and six of the most popular UHF and VHF ranges, including VHF-low (30-50 MHz), VHF-Amateur (144-148 MHz), VHF-High (148-174 MHz), UHF-Amateur (440-450 MHz), UHF (450-470 MHz) and UHF-T (470-512 MHz). Thirty of the most popular frequencies are preprogrammed at the factory so that the unit can be operated right "out of the box."

The scanner can be programmed to scan as many as 30 channels, or search entire frequency ranges to find active new frequencies. A numbered keypad and a dual-level vacuum fluorescent display that flashes visual messages, makes entering frequencies as easy as dialing a pushbutton telephone.

While the scanner keeps listeners abreast of all of the latest developments in their community, it also provides up-to-the-minute weather bulletins from the National Weather Service at the touch of a single key. When the "weather scan" key is pressed, the scanner automatically searches all National Weather Service frequencies to find the active frequency in seconds.

To keep listeners from missing important transmissions, the scanner has a priority channel. When priority is activated, the scanner will sample the channel every few seconds when it is in the scan or search modes. If a transmission is noted on the priority channel, it will automatically switch to the channel so that important transmissions are not missed.

Other deluxe features include channel lockout, for skipping channels not of current interest, fast and slow scan speeds and a memory back-up system that uses a capacitor instead of batteries to save frequencies during power outages and when the scanner is unplugged.

The Regency R1080 scanner has a suggested retail price of \$199.95 and is backed by a full one-year warranty. The basic package includes an AC power supply cord, telescoping antenna and an easy-to-follow instruction manual.

FOR MORE INFORMATION CIRCLE NUMBER 8 ON CARD.



REGENCY RE-ENTERS CB MARKET WITH TWO FULLY SYNTHESIZED MODELS

INDIANAPOLIS, IND. — Regency Electronics Inc. has re-entered the Citizen's Band radio market with two new units offered under its "Informer" series.

The new Informer Series Citizen's Band radios are fully synthesized, so no crystals are needed, and feature phase-lock loop circuitry for reliable, rock-steady transmitting and receiving on all 40 channels.

"We're excited to be back in the CB market because it was a very logical move for our company," says Joseph E. Boone, President and Chief Executive Officer, Regency Electronics. "The CBs complement our new line of Informer radio detectors and our new Informer series scanners to provide truckers and motorists with complete highway protection while they're traveling."

The Informer CB Series consists of two models, the INFO CB-1 and INFO CB-2. The modestly priced INFO CB-1 is loaded with a variety of sophisticated features, including a highway/city switch for adjusting the sensitivity settings, an automatic gain control and a hand microphone. Other key features include a digital display which tells user the channel they're receiving and transmitting on, large volume and squelch controls, plus an LED display for measuring signal strength and RF input.

At the top-of-the-line is the Regency Informer INFO CB-2. It has all of the deluxe features of the INFO CB-1, but substitutes a signal strength/RF output meter for the LED signal strength display.

In addition to those features, the INFO CB-2 has a switch for instantly accessing emergency channel 9; rear-panel jacks for adding a public address system; a noise blanking system, which eliminates ignition noise and static; dual-level digital display; and a microphone gain knob.

The Regency Informer INFO CB-1 has a

suggested retail price of \$69.95. Model INFO CB-2 has a suggested price of \$159.95.

FOR MORE INFORMATION CIRCLE NUMBER 9 ON CARD.



NOVICE VOICE-CLASS "QUICK COURSE"

Gordon West Radio School offers a custom-developed Morse Code and theory course, under \$20, for the beginner amateur radio applicant. Two long-play, stereo code cassettes recorded by Gordon West cover learning the code in a humorous and educational manner. The cassette code-learning course is designed for students with absolutely no background in code copy.

The fully illustrated Novice voice-class license preparation manual was written by Gordon West and Fred Maia. Every Novice class question is covered by a thorough explanation, plus a discussion of the right and wrong answers that may be found on the test. Several chapters cover a detailed introduction to the amateur radio service, as well as an illustrated chapter on learning the International Morse Code with the accompanying cassettes.

Both the tapes and the book contain sections specifically for two ham radio operators to review the latest procedures in giving the Novice test. An FCC Form 610 as well as a sample Novice examination is also part of this "quick course" packet. Also included is the full-color ICOM frequency-band chart.

"We make learning the code and theory fun with our 'quick course,'" comments Gordon West, nationally acclaimed instructor and feature writer.

"There is nothing else to buy once our students have this course—and we even tell two local hams how to give the Novice class test," adds West.

FOR MORE INFORMATION CIRCLE NUMBER 10 ON CARD.

CALENDAR OF EVENTS

AUGUST 21-23: Wisconsin Council of REACT Teams 1987 Campout and Conference, Riverside Park, New Lisbon, WI. Campers and non-campers welcome. For details contact host Team #4364 Tri City REACT, c/o Larry Fry, 833 Cornelia Street, Janesville, WI 53545.

AUGUST 23-27: APCO National Convention, Convention Center, Baltimore. For details call 904-428-8700.

SEPTEMBER 6-9: International Association of Fire Chiefs, Reno, NV. For details call 202-833-3420.

SEPTEMBER 13-16: National Association of Business and Educational Radio 1987 Fall Leadership Conference, Sheraton Crystal City Hotel, Arlington, VA. For details call 703-739-0300.

SEPTEMBER 18, 19, 20: Michigan Council State Convention. On September 20 there will be a board meeting at 10:00 a.m. The General Meeting with election of officers will start at 2:00 p.m. The meeting site is Jellystone Park, Traverse City, MI.

SEPTEMBER 26 & 27: Kansas REACT Council State Convention at Salina, KS. For more information, contact John Blaker 913-539-6505.

SEPTEMBER 29-OCTOBER 1: Land Mobile Expo/East, sponsored by *Communications* magazine, Hall E, Georgia World Congress Center, Atlanta, GA. For information call Kathy Kriner at 303-694-1522.

OCTOBER 10: Wisconsin Council of REACT Teams Annual Meeting including elections. Hosted by #4636 Brown County REACT.

OCTOBER 10: Oklahoma State REACT Council Meeting at Pauls Valley, OK.

OCTOBER 12-15: International Conference on Automotive Electronics, Institution of Electrical Engineers at Savoy Place, London. For details call the Institution in London at 01-240-1871, extension 222.

— JULY 1 —

**REACT International
half year dues are \$6.00
for Regular Members.
Family or Junior: \$5.00.**



SILVER ANNIVERSARY COMMEMORATIVE ITEMS

LIMITED EDITION BELT BUCKLE. Only 1,000 will be made. Each buckle is numbered and has a short dedication on back. Made of pewter metal for that Silver Anniversary look. Size approximately 3 1/2" x 2 1/4".

Cost: \$9.95 plus shipping and handling of \$2.00. Each number given at random based on date of purchase (lower numbers to first purchasers).

PRESENTATION PEN & PENCIL SET. Garland chrome crown pen and pencil sets have a lifetime warranty and are engraved on the body with "62 REACT Silver Anniversary '87." REACT's color logo appears in the top of each pen and pencil for easy view by the user. The body of the set is stainless steel satin finish with the top ring and clip done in chrome. Pen and pencil use standard refills.

490s Chrome Set — \$16.00 plus shipping and handling of \$1.25.

590s Gold Set — \$21.50 plus shipping and handling of \$1.25.

Life Member Set — has gold clip and top with full color life member logo. The rest same as above.

REACTer Reader Service Card

Mail to: REACT Intl., 242 Cleveland, Wichita, KS 67214

Please send me information about the following items:

(circle all that apply)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
18 19 20 21 22 23 24 25

REACTer Issue Date _____

NAME _____

ADDRESS _____

CITY _____ STATE _____

COUNTRY _____ ZIP _____

PHONE # () _____

TEAM NAME _____ # _____

Use for Product Information
(See Pages 16, 17 & 18)



Association Travel\$aver Certificate FREE UPGRADE ONE CATEGORY NATIONWIDE



Example — Compact to Midsize

• Valid July 1 — October 31, 1987 Nationwide

• Must be in conjunction with BY Rates

• Limit one coupon per rental

• Valid for reservations of Compact cars or higher.

ID # 9 3 5 0 8

ALAMO ASSOCIATION ID # REQUIRED

Present this certificate on arrival at the Alamo counter at any location. Call your Professional Travel Consultant or Alamo at 1-800-732-3232. Reserve 24 hours in advance. Be sure to use your Association I.D. Number and request Plan "BY".

6/87/2567

— PLEASE —
**FILL OUT THIS INFORMATION FORM
 FOR TEAM MEMBER CHANGES**

— Membership/Team Change Form —

New Renew Drop Address Change Status Change Name Change
 For: Team Member Old Status (R F J L)

Team # _____ Member/Team Computer ID Number

NEW INFORMATION:

Team Name _____

Member Name _____

Address _____

City _____ Province/State _____

Country _____ Zip _____

OLD INFORMATION:

Member Name _____

Address _____

City _____ Province/State _____

Country _____ Zip _____

— INSTRUCTIONS —

Use this form to change information concerning the members of your Team or for the Team itself. You may photocopy this form. When you are submitting less than four names, you may cut the forms apart on the dotted lines.

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.

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 the OLD information section.

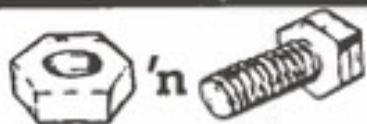
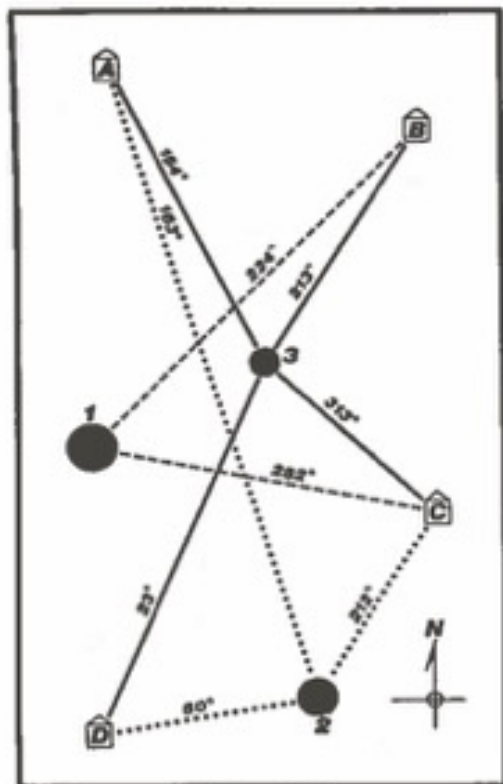
To Change or Correct Membership Status: Check STATUS CHANGE box and the MEMBER box. Complete Team number, computer ID number and member's name and address under new section. Your membership status is listed as Regular (R), Family (F), Junior (J), or Life Member (L).

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/corrected name under the NEW INFORMATION section.

IMPORTANT: The member (or Team) computer ID number is a seven (7) 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.

Return completed form(s) to: REACT International, Inc.
 242 Cleveland
 Wichita, Kansas 67214



Nuts & Bolts

By Charlie Harband
 REACT of the Golden Gate
 San Francisco, California

When I first thought about this column, the ideal of "How to Triangulate" was uppermost in my mind. Now, with an obvious change in FCC attitude, it is an absolute necessity.

Firstly, what has happened to the FCC? Whether they have suddenly "Gotten Religion," or whether the switch in responsibility for enforcement from Washington, DC to field offices, or whether the addition of a contact representative from the public service staff to the field offices has done the trick, we have reason to believe, gained through an invited visit to the FCC field office and a visit as a public speaker to our Team monthly meeting on their part, that the field offices are willing to take action against your "Problem CBER."

They are now empowered to bring down upon his head fines of up to \$750, if, for example, he is knowingly interfering with an emergency transmission on Channel 9. The three current cardinal sins are, (1) over power, (2) operating over, below, or in between the existing 40 channels, and/or (3) using language which is offensive to the sensibilities (swearing or using profanity).

We have been told that the FCC will accept "recommended targets" from us, but—(1) without our becoming "vigilantes," (2) they would like us to track down this target to the equivalent location of one city block.

This, of course, means that we have to track down the target through triangulation. Oversimplification would call for two or more of your Team members to stand in front of their homes and point and say, "He is over there." Where the fingers cross is probably the location you want.

Actually the process is just that, with a little refinement. To start with, each member with a beam contacts his local city engineer and obtains the latitude and longitude of his own beam location. It will read something like: West—xx hours, yy minutes, zz seconds and North—aa hours, bb minutes and cc seconds. Next, one or more of the net members (members with beams) will obtain maps of your locality, which are based on latitude and longitude. This type of map is usually "topographic," showing mountains, valleys, rivers, etc., but no streets or houses. The map you want for street locations can be gotten, from gasoline companies or from AAA. Someone now has to get the "city engineer" to correlate the two maps. We suggest that he help you put latitude and longitude lines on your regular city and highway map. Rand McNally area maps show latitude and longitude.

Now refer to the accompanying chart which looks a little like a map of the heavens.

(Continued on Page 21)

Nuts and Bolts / Continued

Let us assume that four members have volunteered to be part of the "triangulation net." One member, hopefully one who understands what I am talking about, plots the positions of the four (two or more) on the corrected map according to their L & L coordinates (A, B, C and D). The plotter makes sure that there is a north/south line, parallel to the map "campus rose" through each plotted location.

Now, someone starts talking on channel 6 each evening with so much power that he makes it difficult if not impossible to take a call on Channel 9. The communications officer, or net control alerts the triangulation net and two members respond. Member "B" reports that he finds the "target" the loudest at 232 degrees from magnetic north. The net controller then, using a simple protractor (every kid has one for school) plots these lines on the map and comes up with target #1. If you are using a city street map, with superimposed L & L lines, you can now read the city (or county) location near where he probably is. Three crossing lines or four crossing lines will obviously more closely reveal his location.

On the chart we have shown target #2, located by azimuth lines from members A, C & D. We have also shown an ideal "triangulation" (quadrangulation) on target #3 with azimuth lines from four members.

Step two is for one of your members, admonished to stay in his car and not to go knocking on doors, to mount one of the gold line Signal Hunters or an equivalent range loop on his car, to drive through the indicated area during the indicated time spans and try to reduce the target area to one city block. (Maybe even the correct street address can be targeted.)

Now that you have the target located, you should turn in to the public service staff member at your closest FCC field office, as much info as you can: location, channel used, time he can be found, handle used, what he is doing wrong and why he is a target for your Team. Your public service staff member will want your complaint in writing, but he/she would also like to talk to you, so don't hesitate to phone and let the FCC office know you are sending in the paperwork. Of course, let them know who you are, who you represent and how you can be reached. Then, as one old FCC friend put it, "Step aside and let us nail him."

Note to my "nuts" correspondents: I realize that the map and the location L & Ls are in true north, and the beams and azimuths will be in magnetic readings, but let's walk before we run. If all azimuths in the area are read as magnetics, the difference from true should still be within the margin of error for Team-member-beam-readings.

Taken from *NorCal Boating Magazine*, May 1987.

Ten-four on them new ears, good buddy

Boaters use CB Radio, also

—By Charlie Harband

Whenever we run a story of tragedy, like the loss a year ago of the motoryachts *Girl-*

friend III and *Wind D II* on a stormy Potato Patch, we always implore readers to learn from the incident. If any good comes from such loss of life and property (one man died in the aforementioned mishap), it's that it caused someone else not to get caught in the same deadly situation.

As it turns out, that incident has caused an additional change for the good that will benefit all prudent boaters in trouble outside the Gate. Now, if they get in trouble and activate a class C EPIRB, as *Girlfriend III* did, their chances of quick location and rescue are dramatically increased.

The reason sits high atop San Bruno Mountain in a small, non-descript building that once formed part of a Nike missile base. For the last 23 years, however, it has been the headquarters of Golden Gate REACT (Radio Emergency Associated Citizens Teams). REACT is an all-volunteer organization of radio and safety buffs who monitor CB emergency channel 9, UHF/GMRS and now also monitors VHF-band channels, including 16 and the EPIRB channel 15.

"It's the first chance the Coast Guard has had to triangulate signals from the immediate ocean area outside the Golden Gate," says REACT's John Tufts. The problem with the short-range Class C EPIRBs is that once outside the Bay, they were difficult or impossible for in-the-Bay Coast Guard stations such as Mare Island, Yerba Buena or Alameda to pick up. Like most VHF transmissions, they were limited in range and blocked by land masses.

REACT's marine monitoring service went on line in April, giving SAR (search and rescue) teams what they've needed to help people in trouble: a second bearing. Previously, with a single bearing from, say, the Pt. Bonita station, they could tell what direction a signal came from, but not where along that bearing line it originated. With a second, crossing bearing from the REACT receiver, they can pinpoint the position of a boat in trouble instantly.

Tufts said so far the service has picked up three emergency EPIRB signals. One EPIRB was activated when a stalled fishing boat sank as it was taken in tow about three miles off Pillar Point. "Someone left some intake valves open and it went glug-glug-glug," he said.

It was the *Girlfriend III/Wind D* incident last December that gave REACT's Kevin Parrish the idea for a marine monitor at the hilltop facility. "I knew the owner of the *Girlfriend III*," he says, "and when I heard about that incident, and how the EPIRB saved the lives it did, I got the idea for installing a marine direction finding service as part of REACT." It didn't take many meetings with the Coast Guard to convince them it was a good idea. Using donations for the equipment and in-house expertise to set it up, the Polaris marine radio was soon installed and ready for testing.

"We are accurate on bearings to within plus or minus five degrees," says Parrish. "And our effective range is about from Bodega Bay to Pillar Point. We will have no problems picking up a signal from well beyond the Farallones—effectively a 40-mile arc from the Golden Gate out. (Although the system is also effective in the Bay, most of that water is already well covered by Coast

Guard stations.)

"It's geared toward making it safer for boaters out there," says Parrish, "but those boaters have to do their part. People will spend \$80,000 on a sailboat, put the most expensive electronics and other gear on it and then spend \$6 for a lifejacket. Well, if your electronics or your batteries fail and you're in trouble, your last line to survival could well be your safety gear: your life-jackets, flare gun and your EPIRB. Don't scrimp on them."

When a Class C EPIRB (Class A and B are long distance units for aircraft and oceangoing boats) is activated, it beeps a 1½ second "wee-wah" on VHF channel 16, then switches to channel 15 and continues its signal. With a direction finding radio, a bearing is easy to lock onto.

In addition to 15 and 16, REACT's radio will also monitor VHF channels 6, 13, 21 and 22. Boaters, however, should be aware that REACT is not licensed by the FCC to transmit on any of these marine bands, so they won't respond if you call. Only in dire emergencies, when requested by the Coast Guard or another government agency, will they transmit. For all practical purposes, they are there to monitor and relay information to the Coast Guard.

"In that respect," says John Tufts, "we've increased the Coast Guard's overall capabilities by about 1,500 percent." Although not an "official" government body, REACT has formed a close working relationship (and gained the respect of) the Coast Guard, CHP and other government facilities.

Incidentally, although the marine band radio is new, REACT has been helping boaters for years through the CB. "I'd say one out of four boats out there has a CB aboard," says Tufts, an ex-trucker. "It's mostly the fishermen who use them to talk to each other." (Our photo boat, an ex-fishing boat, came with a CB installed.) And sometimes, that's the only means boaters have to tell anyone listening that they're in trouble.

"We get about 15 calls (from boats) a weekend in the summer. Just a couple days ago, somebody sheared a prop pin near Angel Island. He called us and we called the Coast Guard for him," says Tufts. Most of REACT's "traffic," however, is from motorists. From their commanding position atop the Mid Bay Peak, REACT volunteers can and do pick up CB transmissions from most of the Bay Area. When they get a call about a wreck or stall or other trouble, they relay that to the proper authorities and a local news distributor. As many as nine out of ten of the traffic alerts you hear on the morning and afternoon news originate with REACT.

The road to city, national and worldwide (there are REACT teams in 267 counties) accolades has not always been an easy one for REACT. Since they are dependent on public donation and volunteers, it's sometimes hard to maintain peak efficiency. For Golden Gate REACT, the goal is 24-hour vigilance at the station, but right now they simply don't have the manpower. (However, even at those times when the station is not manned, a REACT volunteer is on 24-hour call to the Coast Guard and other government agencies. In an emergency, someone can get to the station within 10 to 15 minutes.)



CHARLIE HARBAND

(1912-1987)

LM119

On June 21, 1987 Charlie passed away in his sleep. His home was Hillsborough, California.

Long-time author of the Nuts and Bolts column of *The REACTer*, Charlie was a very well-known REACT member on the international level.

Charles Harband had been a member of REACT of the Golden Gate Area, Inc. almost from its beginning over 20 years ago. Charles "Charlie" Harband held most of the offices in his Team and was currently the Vice President. Charlie represented Golden Gate REACT at many of the Northern California REACT conventions: served as chairman of the CB portion of the Communications Task Group under the Forum; was a member of the GMRS Task Group; author of the long running Nuts & Bolts column in *The International REACTer*; wrote for the old *CB Times* magazine and was a constant contributor by his Don Key-Note-Tee—blowing away at the windmills column in his Team's *Golden Gate REACTions* newspaper. Charlie was one of the few in his Team who was involved up to his elbows in almost each and every rest area safety coffee stop that his Team put on. Charlie could be very outspoken at times, and this allowed him to get the assistance he needed. Through the years Charlie made a name for himself in his local community and the international community as a "REACT" member and just as on the local level, not too many attendees of the international conventions went home not knowing Charlie. In honor of Charlie, his local Team by a vote at their board meeting 23 June 1987, retired his unit number #24, not to be assigned again. Also the board voted to dedicate to him, with an appropriate plaque, the new mobile house from which his Team will continue to operate at many rest area safety coffee stops in the future.

Charles Harband, beloved husband of Marcy Harband; loving father of Joel Harband, Jan Harband and Jull Schnell; devoted step-father of James, John and Harry Dannenberg; adored grandfather of Shira,

Miriam, Uziel, Yonatan, Naomi and David Harband, all of Israel, Jeremy Green, Ethan Schnell, Alex, Michael and Steven Dannenberg; dear brother of Hannah Schwartz, Babette Cahn and Bessie Schiffman; loving father-in-law of Anita Harband and Harvey Schnell; a member of Fidelity Lodge #120 F. & A.M.; past president of National Sojourners Association, Reserve Officers Association, B'nai B'rith Lodge #1312; past president of REACT of the Golden Gate, Peninsula Red Cross Disaster Team; a leader in the luggage industry and involved in numerous other organizations.

— WHAT TIME? —

By R.C. Watts

Operating with the correct time is very important, especially when exchanging messages with other organizations. They may be using the 24-hour clock and some (like military communicators or the Civil Air Patrol) may use UTC or, as they call it, "Zulu" time. When you check WWV or WWVH (2.5, 5, 10 or 15 MHz) for the correct time, it's in UTC. Below is a handy conversion chart, courtesy of AT&T High Seas Radio Service.



Conversion Table For Coordinated Universal Time* (UTC, Formerly Greenwich Mean Time)

To: Local Time

UTC	EST	EDST	CST	CDST	MST	MDST	PST	PDST
2400 7am	8 pm	6 pm	7 pm	5 pm	6 pm	4 pm	5 pm	
(0000)								
0100 8 pm	9 pm	7 pm	8 pm	6 pm	7 pm	5 pm	6 pm	
0200 9 pm	10 pm	8 pm	9 pm	7 pm	8 pm	6 pm	7 pm	
0300 10 pm	11 pm	9 pm	10 pm	8 pm	9 pm	7 pm	8 pm	
0400 11 pm	12 MDST	10 pm	11 pm	9 pm	10 pm	8 pm	9 pm	
0500 12 MDST	1 am	11 pm	12 MDST	10 pm	11 pm	9 pm	10 pm	
0600 1 am	2 am	12 MDST	1 am	11 pm	12 MDST	10 pm	11 pm	
0700 2 am	3 am	1 am	2 am	12 MDST	1 am	11 pm	12 MDST	
0800 3 am	4 am	2 am	3 am	1 am	2 am	12 MDST	1 am	
0900 4 am	5 am	3 am	4 am	2 am	3 am	1 am	2 am	
1000 5 am	6 am	4 am	5 am	3 am	4 am	2 am	3 am	
1100 6 am	7 am	5 am	6 am	4 am	5 am	3 am	4 am	
1200 7 am	8 am	6 am	7 am	5 am	6 am	4 am	5 am	
1300 8 am	9 am	7 am	8 am	6 am	7 am	5 am	6 am	
1400 9 am	10 am	8 am	9 am	7 am	8 am	6 am	7 am	
1500 10 am	11 am	9 am	10 am	8 am	9 am	7 am	8 am	
1600 11 am	12 N	10 am	11 am	9 am	10 am	8 am	9 am	
1700 12 N	1 pm	11 am	12 N	10 am	11 am	9 am	10 am	
1800 1 pm	2 pm	12 N	1 pm	11 am	12 N	10 am	11 am	
1900 2 pm	3 pm	1 pm	2 pm	12 N	1 pm	11 am	12 N	
2000 3 pm	4 pm	2 pm	3 pm	1 pm	2 pm	12 N	1 pm	
2100 4 pm	5 pm	3 pm	4 pm	2 pm	3 pm	1 pm	2 pm	
2200 5 pm	6 pm	4 pm	5 pm	3 pm	4 pm	2 pm	3 pm	
2300 6 pm	7 pm	5 pm	6 pm	4 pm	5 pm	3 pm	4 pm	

CHU, Canada, on 3.33, 7.335 and 14.67 MHz broadcasts Eastern Standard Time. Members in the UK can use MSF on 2.5, 5 or 10 MHz. Venezuela has YVTO on 6.1 MHz and VNG broadcasts in Australia on 4.5, 7.5 and 12 MHz. Rumors have it that MSF and VNG may reduce services or close, due to government budget cuts. Besides providing time signals, all of these stations will send attractive QSL cards for correct reception reports.



The K40 CB Radio System

TRANSMITS FURTHER, RECEIVES CLEARER THAN YOUR CB RADIO OR YOUR MONEY BACK.

According to Gordon West, Editor-in-Chief of *CB Radio Times*, the K40 CB Radio System outdistances, outmodulates and outpowers every other CB radio he has ever tested.

The antenna transmits and receives 30% further than any other antenna.

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The world's only patented speech processor microphone.

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We did away with needless bells and whistles and put the money into components. The dual conversion receiver utilizes PLL-IC to hold frequency to $\pm .005\%$. Hand-picked ceramic filters guarantee ultimate selectivity and adjacent frequency rejection even at a level of 60 dB at 10KHz. Audio distortion is super low: 5% maximum at 2.5 watts.

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Our CB Radio System will outperform your current system, or return it within 30 days of purchase for a full refund.

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City _____ State _____ Zip _____

Check enclosed (Illinois residents, please add \$11.99 sales tax)

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Acct. # _____ Expires _____

Signature _____

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In Illinois, call toll-free 1-800-942-8175



K-40 AWARDS

First Quarter Winners:

Individual: June VanCamp of REACT Lake Simcoe #4270, Newmarket, Ontario, Canada.

What June's Team said of her:

June has served as a member of this Team since its inception on January 1, 1979. She has been its heaviest monitor for the past few years, averaging 12 hours per day most days. She is also one of its greatest goodwill ambassadors. When a large project comes along, she can always locate several CBers willing to swell our ranks for the occasion.

Although she is disabled, her attendance at meetings is regular. She serves as the Team secretary, also, and has for several years. She has assisted hundreds of persons as a monitor and is very well liked by police and other authorities to whom she relays calls for aid.

Early in October 1985, she responded to a call at rush hour for an ambulance to respond to a bicycle/automobile collision. She complied. The action was so prompt that a motorist seeking a pay telephone to report the mishap met the ambulance before she could locate a phone. Police and ambulance personnel later reported that the teen cyclist would almost certainly have bled to death at the scene had it not been for the CB communication that brought help so quickly.

During REACT Month 1986, our Team was able to arrange to have the boy and his mother meet June and Sharon Landry, the passing CBER who reported the accident, at its mall safety display. The boy required 6 months of medical care but is now fully recovered, much to the amazement of his doctors, and is back at school.

She has been a great asset to our Team in a number of ways and to the public image of REACT.

We consider it a privilege to serve with June and to nominate her to receive the K-40 Award for her contributions to safety and the success of her Team.

Team: Sedgwick County REACT #4208, Wichita, Kansas

Here's what the Kansas REACT Council had to say about Sedgwick County REACT:

The Sedgwick County REACT Team has been the backbone of the Kansas REACT Council and now is providing invaluable support to the REACT International Office.

Such support amounted to more than \$1,300.00 financially the past 6 months and approximately 400 manhours in the office since unloading the Ryder Rental truck on October 2. They have provided help to the office in getting set up, sending out Team mailings, membership renewals, supplies and such.

Several members and officers have worked evenings and weekends in the office to do these tasks as well as during business hours. The Team has donated 20 percent of its gross earnings since October. These funds helped purchase the Frieden postage machine and other office equipment. The Team has vowed to continue this support for quite some time.

Sedgwick County REACT is also one of the more

exemplary Teams in the state—holding regular Team meetings (general) and 2 territorial Sub-Team meetings monthly. Council meetings are always attended by three or more members of the Team. The Team plays host to many activities including: Bingo fund-raising one night weekly; three summer rest stops; one or two Red Cross disaster rehearsals yearly; working with the Red Cross closely in flooding situations (see January/February 1987 REACTer); they have good rapport with the Wichita Amateur Radio Club; and more.

The Team also produces, mails and finances the

Council newsletter (at no cost to Team or Members) to more than 400 local, state and national recipients.

The Kansas State Council truly feels that Sedgwick County REACT has gone the extra mile recently with their help to Ron at the International Headquarters Office in Wichita.

In the next issue of *The REACTer*, meet the 1986 Annual K-40 Award Winners, announced at the convention.

REACT International Inc.'s 1987 Annual Budget Comparison

Below is the (unaudited) Budget Comparison of income and expenses for the first quarter of 1987 ending March 31, and the second period through May 31, 1987. This report is to show how REACT International is doing financially compared to the budget.

Ron Mayes, General Manager

ANNUAL 1987 BUDGET

	Budgeted Amount*	First Quarter/87	Through May 31
INCOME			
Dues from Members	\$122,000	\$122,601	\$124,954
I.D. Material Sales	8,000	1,796	3,111
Grants & Contributions	16,000	1,605	3,670
Life Memberships	-0-	1,852	3,002
Miscellaneous Income	-0-	832	1,057
Government Contracts	-0-	-0-	-0-
Advertising Income	30,000	5,100	10,502
Commissions	2,500	450	770
Fundraisers	5,000	-0-	-0-
Team Charters	3,000	600	825
International Dues	5,000	1,968	2,225
Interest Income	2,000	805	1,571
Total Income	\$190,500	\$137,609	\$151,687
EXPENSES			
Grant Program Expense	\$16,000	-0-	-0-
Membership Kits	2,000	472	500
Team Charters	1,000	478	478
Lifetime Membership Expense	200	801	801
Team Publications	4,000	612	1,000
Data Processing	10,000	1,412	2,162
Bonding Expense	-0-	-0-	-0-
Misc. Expense (Membership)	-0-	22	30
REACTer Costs	42,000	5,488	12,632
Liability Ins. (Inc. Assessment)	-0-	(1,235)	(1,235)
Group Expenses	1,000	-0-	-0-
Goebel Award	200	-0-	-0-
25th Anniversary	5,000	-0-	-0-
Publicity	250	-0-	-0-
Membership Promotions	1,000	-0-	-0-
State Council Reimbursement	1,000	-0-	1,708
Postage & Freight	11,000	1,949	3,763
Long Distance Telephone	4,000	95	284
Board of Directors Expense	18,000	2,620	2,621
Advertising	-0-	499	586
Salaries	50,000	11,166	17,327
Office Supplies	5,000	805	1,285
Postage Machine Rental	420	-0-	-0-
Maintenance & Miscellaneous	600	205	285
Insurance (Staff)	4,000	404	912
Auditing & Accounting	4,100	314	530
Legal	1,000	183	258
Travel (Headquarters)	1,000	464	521
Payroll Taxes	4,000	218	363
Rent	2,400	1,525	2,525
Utilities	2,400	452	550
Basic Telephone	800	137	259
Foreign Exchange	1,000	115	115
Dues & Subscriptions	200	-0-	-0-
Depreciation Expense	3,360	526	879
Total Expenses	\$198,630	\$ 29,707	\$ 51,139
Net Income (Loss)	\$ (5,130)	\$107,902	\$100,548

*Amounts in one dollar increments.

If you
 don't need
 a CB this great,
 we've got
 six other models
 only slightly
 less terrific.

You're looking at the Cobra 29 Plus. The top of our line. Or anybody else's, for that matter. And no wonder. Electronic tuning with soft-touch controls. LED signal-strength meter and channel display. Pushbutton noise blanker control. Instant pushbutton access to channels 9 and 19. There's even a panel brightness button and an antenna-trouble warning light.

And all these features and performance are wrapped in chrome and black styling so sleek, from Paris, Texas to Rome, New York, the Cobra 29 Plus is definitely what the well-dressed car (or truck) will be wearing this season.

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.

Cobra
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