



the REACTer

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

July/August 1990



REACT International, Inc.

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In This Issue...

- Flash Flood Report From Brownwood REACT #C446
- FAA Reports on High Power – 5th Harmonic Disaster
- REACT In Technicolor
- More On Monitoring Channel 9

ON THE COVER...

Mountain Valley REACT Team #2278 of Saranac Lake, N.Y. went to the dogs in February and came away a winner.

At the award ceremony following the Alpo International Sled Dog Races Mountain Valley REACT Team received the "Mike Samburg Volunteer of the Year" award.

Mountain Valley REACT has provided communications for this event since its start twelve years ago. The members provide timing, safety, trail condition, information from designated positions on the race course. This information is given to the timers and judges at the start line through the teams communication control center. When there are as many as fifty, six dog

teams running on a six mile course, accurate trail information is essential. Hundredths of a second are meaningful when you are competing for a piece of a \$50,000 prize package.

The race has become the high point of International Sled Dog Racing Association annual race schedule. Competitors come from across North America, Alaska to New York, British Columbia to Quebec.

Mountain Valleys schedule book is kept quite full all year long covering sled dog races, winter carnivals, and ice fishing derbies in the winter months.

In the spring and summer we cover several canoe and guide boat races,

crop walks, international rugby tournament, fire works, Halloween patrols.

Communications are handled with CB radios and GMRS equipment with direct communications with law enforcement and fire, rescue services.

The team is proud to have been selected to receive the "Volunteer of the Year" award. There are hundreds of volunteers who give their services to make these events possible.

"Going to the dogs" was a good way for Mountain Valley REACT to start a new decade of service.

Submitted by:
Francis L. Gladd, Secretary

Photo by Mark Kurtz

A LAST MINUTE FLASH (FLOOD) FROM BROWNWOOD REACT

Noah's flood took forty days and forty nights, but, Brownwood got their's in less than twelve hours, Wednesday, April 25th, at about 4:00 p.m. The rain came down and down and down and the water came up and up and up. Sixteen inches of rain is more than some parts of Texas get all year and we got that much in twelve hours.

With water running over the Lake Brownwood spillway at 7.6 feet, "us'ns" had ourselves "one heck of a flood." Brownwood REACT was out on storm watch when the rain started and we just stayed with it forever it seemed.

As the water came up and the low spots in the streets began to fill, Brownwood P.D. called REACT to help block intersections and assist stranded motorists. Soon, it became more than just an inconvenience and turned into a full fledged flash flood.

With water starting into many houses Brownwood REACT was asked to help with evacuation and rescue efforts. Wading water and knocking on doors in the middle of the night is a "fun" way to spend an evening.

The radio call that we were all dreading came about 10:30 p.m. An elderly man had been washed into the rushing torrent of a storm drain! Members of our Team responded to help the Fire Department try to effect a rescue with lifejackets and safety lines furnished by our Team, the often unrecognized heroes of the Brownwood Fire Department made a

valiant effort to race the "Reaper" but it was not to be and the FLOOD of 1990 had claimed its first victim.

Elsewhere in town, our Team was asked to provide transportation for Red Cross personnel so the evacuees could be sheltered and fed and bedded down for what was to be a three day stay for some of them.

Brownwood REACTers worked throughout the night, stopping only to run by the house and put on dry clothes (this reporter changed four times and could have used another set).

As the light dawned, it was apparent that this was the worst flood in the history of Brownwood. The entire town was isolated from the rest of the world except by air. Members of Brownwood REACT were dispatched to turn motorists back from the five and six foot deep water and to provide communications for the Red Cross. Some of our members helped open and register folks at the shelters, while others hustled around to gather up the supplies needed to house and feed them.

Soon our Team settled into a routine which was to last until Sunday morning blocking streets, furnishing barricades, providing communications and just lending a hand where it was needed. Eighty hours later some twenty-two members of Brownwood REACT were sure glad to go home and take a shower and

go to bed.

At this writing, there is a lot to be done, clean up, damage assessment, picking up loaned out equipment, and just trying to bring things back to normal, but first, I think I will take a nap ZZZZZzzzzzzzzlll

Brownwood REACT Team C446
Brownwood, Texas

The REACTer is available on audio cassette tape for the blind. Certain conditions and costs are involved. For more information please contact:

**Kathleen Coynes
Recording
for the Blind, Inc.
404 W. 30th Street
Austin TX 78705
(512) 477-9390**

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the REACTer

July/August 1990
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The REACTer is the official publication of REACT International, Inc., a non-profit 501(c)(3) 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 1988 was 12,400 copies with 95% USA and the remainder to Canada, Venezuela, United Kingdom, Australia and U.S. territories. Offices: REACT International, Inc. 242 Cleveland, Wichita, Kansas 67214 USA (316) 263-2100. Deanne Earwood, Office Manager and Editor. Entire contents copyright 1990. 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 6 weeks for change of address and delivery of first issue.

HEADQUARTERS REPORT

Several members, Teams and Councils have called Headquarters lately as to what the new staff has to offer REACT. So, short of a few announcements, this article is going to be devoted to introducing the staff that is here to serve you!

First off, deadlines have been established for the REACTer. One of the most asked questions presented to Headquarters is "when is my issue of the REACTer coming out?" We now have a firm schedule, and we will be announcing at least two issues in advance for future magazine deadlines. Deadline for the September/October, 1990 issue is August 13th for submission of articles with a mailing date of September 10th, 1990. This should put the magazine in everyone's hand by September 24, 1990. Deadline for the November/December issue for submission of articles is October 8th, with a mailing date of November 5th. This should have you receiving your issue by November 19th at the latest. So, if you have any information you want to see included in the REACTer, mail it today!

Headquarters would like to take this opportunity to congratulate Southwestern REACT Team #C475, San Diego, California. It seems this Team has been on one continuous membership drive. They currently have over 100 active members, and after speaking with Jesse Mauk, Jr., President of Southwestern REACT Team #C475, more prospective members are forthcoming. This Team now has the distinguished title of being the largest REACT Team. I for one am impressed. For this reason, I've twisted Jesse's arm and he has promised us a complete report from the Team's PR man on their successful techniques in recruiting new members. That is, as soon as the Team can break away from signing up all those new members. Again, congratulations to Jesse and #C475 Southwestern REACT for a job very, very well done!

Now for a sad announcement, REACT International Board of Director, David Ferrell has resigned his position as an At-Large Director, effective as of May 20th, 1990. Mr. Ferrell has made several significant contributions to REACT in the past. And I'm sure I speak for all fellow

REACT members, Teams and Councils when I say, Mr. Ferrell will be truly missed. Please make a note of this change on your Board of Directors listing.

Now, on with the office personnel. By the time you receive this issue of the REACTer, Delia Ford, Office Assistant, will not longer be at Headquarters. Delia will be somewhere in Iowa doing her internship as a Registered Medical Assistant. Delia has been with REACT since March. She worked part time while attending classes to become a Medical Assistant. For all you Teams who have ordered supplies from Headquarters and were surprised to receive them in such short order, you have Delia to thank for that. She has been instrumental in getting not only shipping and receiving in order, but also keeps up the Team files and handles all the outgoing mail. We wish Delia success in her new found profession and her new life in Iowa.

Michele Newell, Secretary, is a 1989 High School graduate and brings to REACT a wide variety of skills learned through special occupational courses offered through Wichita High School South. It seems that Michele knew early on that she wanted a challenging position with a progressive business by looking at her class courses taken while in high school. Besides her office education skills Michele exerts a "can do attitude" about any task at hand and does not hesitate to jump in and learn new responsibilities. She has enthusiastically taken on the task of helping to organize the procedures and responsibilities of Headquarters and as such as has proven to be a valuable asset to REACT International.

Prior to her employment with REACT, Michele was employed by the Department of Justice, U.S. Immigration and Naturalization Services in Wichita from October of 1988 until September of 1989. While there her duties consisted of responding to public inquires relating to the Amnesty Program as well as extensive typing on word processors and computers.

In her free time Michele remains quite active, with coaching a
continued on page 15



WORLD BAND RADIO

By R.C. Watts

One of the more interesting international shortwave radio stations is Africa No. 1 (ANO), in the former French colony of Gabon. I like their French and African music on 15,475 KHz about UTC 19:00. Announcements are in French, but they sometimes have news and commercials in English. ANO is a highly successful business operation, selling air time to such as Radio France International, Radio Japan, Swiss Radio International and AWR- Africa. Frequencies may change periodically.

The first big commercial relay station was Radio Trans Europe in Sines, Portugal. Unlike ANO, they sell all their air time to Deutsch Welle, AWR-Europe, Radio Canada International, IBRA Radio and Radio Portugal. Try for AWR-Europe, UTC 09:00, Sunday, on 9,670 KHz. Good DX program. Beside the Sines relay, AWR-Europe has a little 10 DW station at Forli, Italy. English at UTC 07:30 daily on 7,125 KHz (alternate 7,230 or 7,257). A good catch outside Europe, I got lucky one morning so you can too!!

Radio Bras in Brazil relays Radio Surinam International, reported on 17,875 KHz at UTC 17:00. Bras also sells time to Deutsch Welle and Swiss Radio International. It's been reported that a new commercial relay station is planned or being constructed in the Cape Verde Islands. The international radio broadcasting business must be pretty good, but it's sometimes hard for the listeners to know who's broadcasting what from where!

NEW TEAMS CHARTERED

- 4786 Potholes Area REACT
Moses Lakes,
Washington
June 1, 1990
- 4787 REACT Tillsonburg
Tillsonburg, Ontario
Canada
June 8, 1998

REACT AMATEUR RADIO NEWS

Telemetry Decoding Software Now Available for MICROSATs

The four recently launched MICROSATs are providing amateurs with reams of telemetric data. The telemetry protocol used is AX.25 which allows anyone with a TNC and a proper modem (PSK in the case of AO-16, WO-18 and LO-19, and AFSK in the case of DO-17) to decode MIRCOSAT telemetry. As is the case with all OSCAR telemetry frames, the information is a series of hexadecimal numbers that must be translated into the actual parameters such as transmitter power, battery voltage or solar cell current. The AMSAT MICROSAT Engineering Team has written several programs to translate the frames into intelligible information for use in determining the health of the birds.

Currently the AMSAT/DRIG BBS [(214) 394 7438] contains several programs to decode telemetry decoding programs for the IBM and compatible PC used by the MICROSAT Engineering Team. The MacIntosh MICROSAT telemetry program should be available sometime this month from the AMSAT Software Exchange.

To find out more about what programs are available from the AMSAT/DRIG BBS, contact AMSAT Headquarters at (301) 589-6062.

RSGB Microwave Handbook Volume 1

The American Radio Relay League announces the availability of a new publication, **RSGB Microwave Handbook Volume 1**, edited by M.W. Dixon, G3PFR. The First of three informative volumes of the **RSGB Microwave Handbook**, Volume 1 covers operating techniques; system analysis and propagation; microwave antennas; transmission lines and components; and microwave semi-conductors and valves. Its 224 pages contain a largely nonmathematical presentation of microwave theory and practice. It also contains a collection of practical designs which have evolved from RSGB's **Radio Communication and Microwave Newsletter**. This soft-cover book is available from the American Radio Relay League, 225 Main Street,

Newington CT, 06111, USA, for \$35.00, plus \$4.50 shipping and handling (\$5.50 UPS). Copyright 1989. ISBN NO. 0-900612-89-4.

SA-AMSAT BACAR Launched

On March 10, SA-AMSAT launched three balloons carrying Amateur Radio (BACAR) to a height of nearly 50,000 feet above sea level.

BACAR was equipped with an RTTY telemetry unit providing information such as current altitude and rate of climb. The telemetry transmitter's output was in the 2 meter band. Also aboard was a monochrome CCD camera feeding a video transmitter operating on local UHF TV broadcast channel 35 (583.25 MHz). The South African licensing authority was petitioned by SA-AMSAT to use the commercial television frequency so that youth groups and young amateurs without amateur equipment could participate.

The local weather bureau provided tracking support and other logistical assistance. Seconds after BACAR started to ascend, reports of good quality video were received. Later in the flight video reception was reported from as far as Petersburg, South Africa, a city over 300 kilometers from the launch site.



Calendar of Events

July 23-26, 1990 REACT International Convention-Spokane, Washington, USA.

August 3-6, 1990 Evergreen REACT, Everett, Washington. Safety Break to be held at Smokey Point, south bound.

August 5, 1990 Ohio REACT Council Meeting. For more information contact John Leist, 480 Lancaster Pike, Apt 45, Circleville, OH 43113, phone (614) 474-3786.

August 5, 1990 Southern California REACT Council Meeting. Hosted by Antelope Valley REACT, for more information please contact the Team or Council.

August 12, 1990 New Jersey State Council Meeting and Picnic. To be held at Mercer County Park, East Pavilion. For more information contact Dick Cooper, P.O. Box 9898, Trenton, NJ 08650, phone (609) 259-7088.

OTHER EVENTS

September 3, 1990 LABOR DAY

September 14-16, 1990 ANARCON '90. Convention of the Association of North American Radio Clubs. Radisson Hotel, Virginia Beach, VA. Registration \$25.00. Contact P.O. Box 9645, Norfolk, VA 23505-0645.

October 5-7, 1990 Monitoring Times Convention to be held at the Hyatt Regency Hotel, Knoxville, Tennessee. Registration \$30.00. Contact P.O. Box 98, Brasstown, NC 28902.

EDITORS NOTE: Councils please provide notice of your meetings and conferences to the REACTer for inclusion under this column. Please submit meeting date, place, time, particulars and a FMI contact. Please provide this information as far in advance as possible.

Mellinger Named to Head FEMA Regional Office in Kansas City

Dick Mellinger, a lawyer and civic leader from Kansas, has been named director of the Federal Emergency Management Agency's (FEMA) regional office in Kansas City, MO.

FEMA Acting Director Robert H. Morris, who announced the appointment, said Mellinger assumed his new post on April 23, replacing Jerome D. Overstreet.

As director of FEMA's Region VII office, Mellinger will be responsible for administering a variety of federal emergency preparedness and disaster response programs for the region's four-state area, including Iowa, Kansas, Missouri and Nebraska.

Prior to his appointment, Mellinger, 43, practiced private law in Emporia, Kansas for the past 15 years. During that span, he was an active member of the Kansas Bar Association where he served as president of the corporate, business and banking section and vice chairman of the Continuing Legal Education Committee.

He also has served with the American Bar Association as a member of the real estate, probate and trust section, as well as vice chairman of the Committee on Special Problems for Farmers and Ranchers.

In 1968, Mellinger saw service with the U.S. Interstate Commerce Commission as an administrative assistant responsible for special projects.

His civic activities have included positions as president of the Emporia Rotary Club and Arts Council, and Chairman of two committees with the Emporia Chamber of Commerce. In the early 1960's, he served as a field educational trainer for the Republican National Committee.

A former U.S. Army captain with military intelligence, Mellinger attended the University of Kansas where he received a Bachelor of Arts degree in 1968 and his law degree in 1975. Born in Emporia, Kansas, Mellinger is married and has two teenage children.

Major Disaster Aid Granted for Texas

Federal disaster aid for Texas was granted by President Bush to help people in the eastern section of the state recover from damages caused by severe storms, tornadoes and

flooding that struck April 24. Announcement of the President's decision was made in Dallas by Vice President Quayle during his visit to the damaged area.

He said that the President's major disaster declaration will initially provide federal funding to supplement the needs of affected residents and business owners in the counties of Brown, Comanche, Erath and Parker.

According to the Federal Emergency Management Agency (FEMA), damage surveys are continuing and additional aid may be designated when the assessments are completed.

The agency, which will coordinate the federal relief effort, said assistance under the declaration can include temporary housing, grants, low-cost loans to cover uninsured property losses, and other programs to help individuals recover from the effects of the disaster.

FEMA Acting Director Robert H. Morris named Graham L. Nance, of the agency's regional office in Denton, Texas, to coordinate federal recovery activities in the stricken area.

Nance said that affected residents and business owners can begin applying for assistance immediately by calling 1-800-782-6681, or 1-800-762-7983 for the hearing impaired. The toll-free numbers will operate daily from 8 a.m. to 6 p.m. (CDT) until further notice.

Major Disaster Declared for Oklahoma

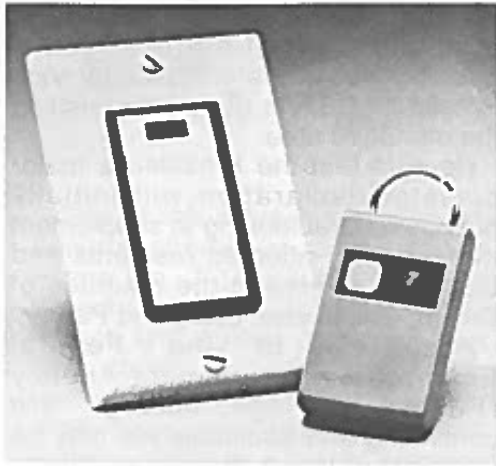
President Bush declared a major disaster exists in Oklahoma and ordered federal aid to assist state and local efforts in recovering from the effects of heavy rains, tornadoes and flooding that began April 14.

According to the Federal Emergency Management Agency (FEMA), the President's action triggers the release of federal funds to supplement the needs of affected people in the counties of Atoka, Bryan, Carter, Johnston, Lincoln, Love, Marshall, McIntosh, Murray, Pittsburg, Pottawatomie, Roger Mills and Sequoyah.

Federal funding also will be available to eligible local governments to pay at least 75% of the approved costs for the repair or

continued on page 13.

New Products

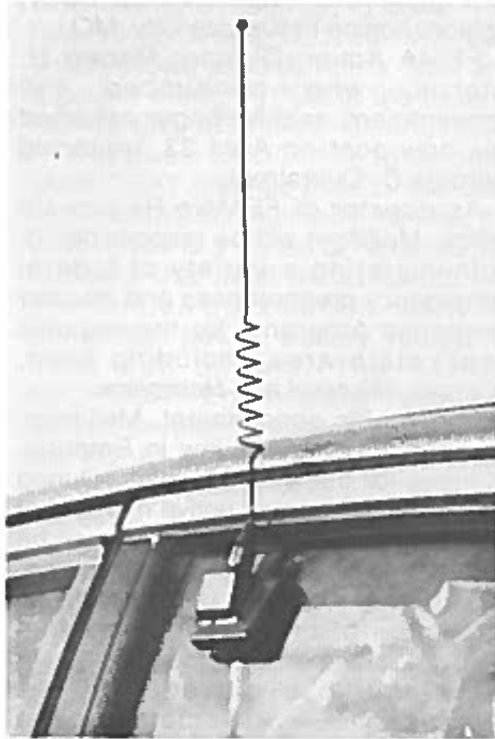


New Remote Control and Manual Wall Switch with Dimmer Function

A compact remote control and manual wall switch with dimmer function has been introduced by Midland International. The 72-320 is used to remotely control On/Off functions and dim lighting through a wide range via a keychain-size transmitter. It can also be used manually. It controls indoor and outdoor lighting from up to 50 feet away, making it an ideal security device. For example, it allows porch lights to be controlled from inside a vehicle. Midland's 72-320 employs UHF radio technology on coded channels and handles up to 400-Watt incandescent bulbs. The transmitter is supplied with a battery and has a visual indicator.

For complete information on the 72-320, as well as Midland's CB and VHF Marine radios, wireless

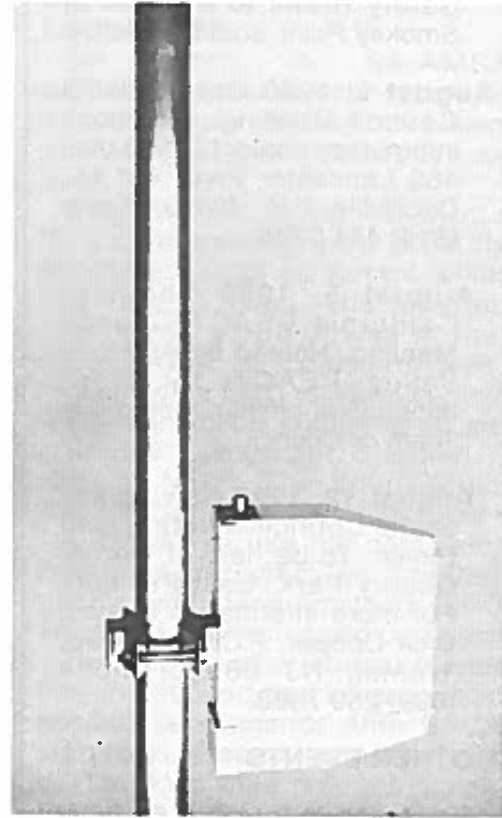
intercoms and other specialty electronics products, contact Midland International Corporation, Consumer Communications Division, 1690 N. Topping, Kansas City, MO 64120.



Window-Clip On-Class Cellular Antenna with 3dB Gain

The Antenna Specialists Company has introduced a convenient, temporary-mount cellular antenna with ON-CLASS R performance especially useful with portable and transportable phones. New model APD862 Series, window clip mount, cellular antenna offers high performance not found in most standard portable and transportable antennas. Its collinear design delivers maximum performance; with the DURA-COAT tm-plated stainless steel whip positioned above the roof line, it provides 3dB gain. Cable stays inside the vehicle, thereby preventing leakage of weather stripping seals. Also, the APD862 is compatible with future digital cellular systems. In addition, it is rated at 50 Watts continuous power; less than 1.9:1 VSWR across the entire band of 824-896 MHz; and 50 Ohms impedance. Mechanical specifications include a 12" radiator; a DURA-COAT-finish stainless steel clip mount with molded ABS thermoplastic covers; 10' RG-58/U cable; and TNC male or

Mini-UHF connectors attached. For more information, contact The Antenna Specialists Company, 30500 Bruce Industrial Parkway, Cleveland, OH 44139-3996, telephone number is (216) 349-8400.



The New SRL-441 Antenna (806-960 MHz)

Less than a year after the successful launch of its SRL-440 antenna, Sinclair Radio Laboratories Inc. has launched a new antenna combining improved durability, greater economy with high performance. Called the SRL-441, the new antenna is ideal for trucking, conventional, multipoint and paging systems.

"It's a broadband antenna covering everything from 800 MHz conventional to 900 MHz data frequencies," says Bill Cole, Vice President and General Manager of Sinclair. "The broad bandwidth eliminates the need to inventory multiple antennas for various 800-900 MHz radio services."

A comparison test with yagis shows the SRL-441 provides greater economy of operation with enhanced strength and durability. Its low profile, (10.5 inches by 2.5 inches) all but eliminates wind load and its tough radome/casing allows the antenna to

continued on page 7

Notice to Readers

The REACTer will now provide our readers the manufacturers contact information for the new products announced. The Reader Service Card service will no longer be available.

Readers may now directly contact the manufacturers to learn more about the products shown.

This will shorten response time by eliminating our middle man handling of your inquiry and provide you an opportunity to learn about other products and services offered by the manufacturer(s).

New Products

continued from page 6
keep working at or above specifications even though fully coated in ice.

Another advantage of the 441 is the reduction of R pollution by providing enough gain to do the job without gain overkill.

Frequency	
Range — MHz.....	806-960 MHz
Nominal Gain — dB.....	6
VSWR.....	1.5:1
Power Rating — watts.....	50
Length — in. (mm).....	10.5 (267)
Width — in. (mm).....	2.5 (64)
Weight — lbs. (kg).....	2.5 (1.12)

Sinclair Radio Laboratories Inc. has a tradition of design innovation and manufacturing expertise in antennas, transmitter combiners, receiver multicouplers, duplexers and cavity filters.

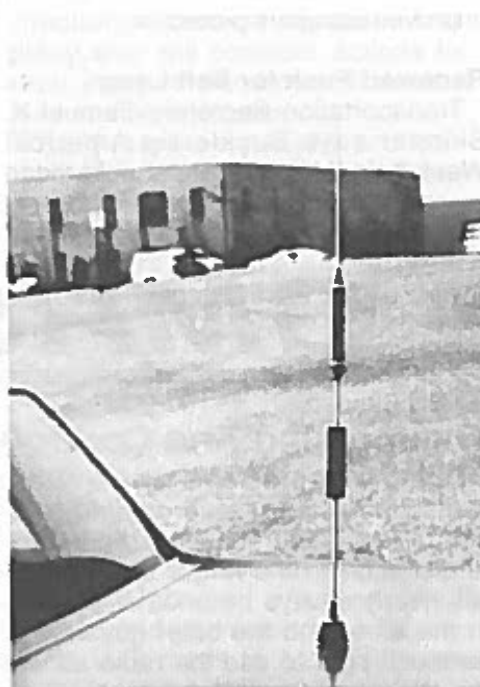
For more information please contact William Cole, Vice-President/General Manager Sinclair Radio Laboratories Inc., 675 Ensminger Road Tonawanda, NY 14150, phone (800) 288-2763.



New Armor-Flex (TM) Suction Cup Window Mount Cellular Antenna

The Antenna Specialists Company has introduced a convenient, temporary-mount cellular antenna, with proven Armor-Flex (TX) performance, for portable and transportable cellular phones. Superior-performing Model XPD80T/M employs molded-in suction cups to provide long-lasting, reliable window adhesion despite repeated installation and removal. The entire antenna, a

coaxial halfwave radiator design, operates from inside the vehicle, providing complete weather protection and discouraging theft. The XPD80T/M is ideal for rental or personal vehicles and home or office windows. It operates over the full 832 channel cellular band of 824-896MHz. Mechanical specification include an 8" radiator with a 12' RG58/U cable and a TNC male (XPD80T) or Mini-UHF (XPD80M) connector attached. For more information, contact The Antenna Specialists Company, 30500 Bruce Industrial Parkway, Cleveland, OH 44139-3996, Telephone number (216) 349-8400.



New Roof/Deck-Mount, All-Band Scanner Antenna Enhances 800MHz Performance.

The Antenna Specialists Company now offers a roof/deck-mounted, all-band scanner antenna with enhanced performance in the 800MHz band. New Model MON-53 utilizes the exclusive A/S MICRO-CHOKE (TM) to achieve enhanced performance at 800 MHz frequencies, without affecting performance at other monitoring frequencies. MON-53 includes a 17' coaxial cable with an installed pin plug ready for immediate 3/8" hold mounting. All-band and MICRO-CHOKE performance are also available with A/S MON-52 mobile trunk lid mount and MON-58 base

station antennas. For more information, contact The Antenna Specialists Company, 30500 Bruce Industrial Parkway, Cleveland, OH 44139-3996, Telephone (216) 349-8400.

New Microcell Panel Directional Antenna

Celwave's new PD10099 is an expanded spectrum, collinear antenna specially designed to meet the needs of today's MSA markets. It features a high front-to-back ratio to isolate adjacent cell sites, provides 13 dB gain, 60 degree sector coverage and is nearly impervious to tower changes.

The antenna's enclosed design provides protection against low amplitude and proximity lightning strike damage. Radiating elements and feed point are covered by a weather resistant ABS radome to prevent interference with system function due to icing, salt air and other environmental hazards. The panel design blends easily with most architecture, can be flush-mounted and painted to match exterior surfaces.

For complete technical information, contact Celwave at Rt. 79, Marlboro, NJ 07746 (201) 462-1880.



New All-Band Scanner Antenna Designed for Trucks and Motorhomes

The Antenna Specialists Company has introduced a mirror mount/side mount mobile scanner antenna ideally suited to trucks and motorhomes. New Model MON-70, an all-band antenna, conveniently attaches to any vertical or horizontal support commonly found on western-style truck mirrors. Its flexible mounting system allows easy conversion to the side-body mount often used on motor-homes. MON-70 comes complete with a 17' coaxial cable and installed pin plug.



For more information, contact The Antenna Specialists Company, 30500 Bruce Industrial Parkway, Cleveland, OH 44139-3996, Telephone number, (216) 349-8400.

SEAT BELT SAFETY

Lowest Fatality Rate in History Announced by NHTSA

Highway deaths declined last year and the 1989 U.S. traffic fatality rate was the lowest in history according to one announcement made by NHSTA in March. Preliminary data indicate the 1989 fatality rate was 2.2 deaths per 100 million miles of travel, down from 2.3 in 1988 and 3.3 in 1980.

Side-Impact Protection

According to the National Highway Traffic Safety Administration, safety belts are nearly as effective in side impacts as in frontal impacts. Side impacts represent about 47% of the crashes involving serious to fatal passenger car injury. Crashes in which the principal force on the vehicle is from the side account for 32% of fatalities. The toll in human life is about 8,000 victims annually.

In an accident, objects or occupants inside the vehicle move toward the point of impact. An unbelted driver may not be able to stay behind the wheel and control the car after the impact.

In a broadside collision, occupants may also be thrown into one another, resulting in additional injuries.

Research shows in most traffic crashes, the occupant is safest if he remains inside the vehicle. Because the side-to-side motion of a broadside collision may be so violent it may result in ejection, wearing a lap and shoulder harness protects occupants FROM the added dangers of being thrown from the vehicle.

Studies have shown that approximately 52% of injuries sustained in side-impacts involve the chest and abdomen. Concerns about the safety of vehicle interiors in side impact crashes caused NHSTA to propose a new Dynamic Side Impact Test (FMVSS 214). They estimate that as many as 1,185 fatalities are preventable annually by relatively straightforward design changes.

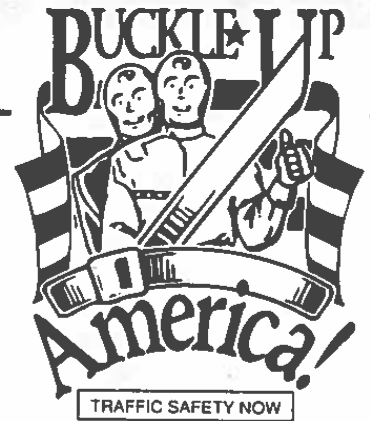
The first step to product improvements, according to GM, is an understanding of crash types and the resulting interior contacts that cause serious or fatal injury. Also of importance is understanding the mechanisms of injury and human response to side-impact forces, since

these are the bases to develop injury criteria and define human tolerance levels.

GM is currently evaluating the use of foams and energy-absorbing body panels as well as formed shapes of metal, plastic, and composite materials for improved protection against side impact (SEARCH, GMR Laboratories, July-August 1989). GMR's side-impact injury studies have led to the re-design of structural features and interior padding, as well as more realistic anthropomorphic test dummies, for improved occupant protection.

Renewed Push for Belt Laws

Transportation Secretary Samuel K. Skinner says Buckle Up America! Week held (May 21-28), "should mean more than an individual reminder to fasten safety belts. It's also a



message to states without safety belt laws: Join the team."

Skinner said 34 states and the District of Columbia require safety belt use. "We're looking for unanimous acceptance, matching the history of child safety seat law adoption."

"The evidence is convincing," according to figures cited by Administrator Jerry Ralph Curry, National Highway Traffic Safety Administration (NHTSA). Curry said,
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GMRS...Rx

by Bill Simpson

Overcoming And Controlling Interference

One of the problems we have as radio operators is overcoming and controlling interference...both our own and others. In the larger cities there will nearly always be another system in the area, and the other guys have as much right to use the radio as we do. We simply must learn to co-exist with the other system(s). In other words, monitor the frequency before transmitting!

But, what about interference from others? What can we do to stop interference from other systems, from ducting, or from systems illegally transmitting signals from units outside that system?

Ducting is similar to skip in CB...a product of atmospheric conditions and sunspot activity. At present, we are in the middle of a 17 year cycle of sunspots, and many of the radio bands have "opened up" to give radio access to some unusual locations. If you hear conversation that mentions strange highway and/or street names, or towns you never heard of, that's ducting. Simply put up with it - and

remember that they can probably hear you too!

If the conversation is definitely local, your first step is to identify and make contact with the other operators. The FCC does not like to get involved until the station operators have attempted to solve the problems. It may be necessary to visit the FCC field office for a list of station licensees, and repeater owners in your area.

Sure, all of this is time-consuming, and all requires effort on your part, but it is necessary.. Part 95.7 of the FCC rules, effective January 1, 1989, says "...all station operators and GMRS system licensees must cooperate in the selection and use of channels to reduce interference and to make the most effective use of the facilities." Section (b) "Licensees of GMRS systems suffering or causing harmful interference are expected to cooperate and resolve their problem by mutually satisfactory arrangements."

This puts the onus of proof and the extra work on you! The other system
continued on page 16

SEAT BELT SAFETY continued

"America buckled up at an 11% rate in 1982, before any states has laws. Use of safety belts has more than quadrupled since then in response to laws and educational efforts.

"More than 20,000 lives have been saved by safety belts from 1983 through 1989," Curry said. The next milestone in safety belt use is a 70% buckle-up rate by 1992. Hawaii is well past that already at 80.5%, and several other states are close. Nationwide use by front seat occupants averages 46%.

The NHTSA Administrator said 1990 was "significant for another reason. Starting this year, every new car sold in America must be equipped with automatic crash protection in the front seat. By year end, the highway population of vehicles with air bags or automatic safety belts will number nearly 29 million."

Air bag-equipped vehicles represent about four million of that total, a number expected to multiply more than four times over in the next three years.

"Air bags scored their biggest victory yet recently in Virginia when two air bag-equipped cars crashed at high speed and the drivers literally walked away. The crash was so severe that the first police officer on the scene thought both drivers must be dead, but instead found them standing at the site talking together. It was the first known crash in which two air bag-equipped vehicles collided," Curry said.

He noted that the "effectiveness of air bags could create a problem we didn't expect. Drivers of air bag-equipped cars may become so assured of protection that they forget to buckle the safety belt.

"The safety belt is essential even with an air bag available. Safety belts provide additional protection in frontal crashes that trigger the air bag, and are the primary means of protection in all other crashes, such as rear and side impacts, and rollovers," Curry added.

NHTSA Announces Long-Range Plan to Make Driving Safer

The National Highway Traffic Safety Administration (NHTSA) has released a comprehensive federal agenda for national and local actions to make

U.S. roads safer.

According to NHSTA Administrator Jerry Ralph Curry, the National Transportation Policy emphatically makes safety the top priority for the Department of Transportation, with the aim of cutting the death rate and reducing the traffic death toll through the next decade.

Curry said the agency's plan includes considering new federal regulations to protect passengers in side impact crashes, ensure that light trucks, vans and utility vehicles have the same safety requirements as passenger cars, improve the safety of child passengers, and provide improved occupant protection in rollover crashes. The agency also will consider actions to further improve the safety of school buses and heavy trucks.

"The American people are demanding higher levels of safety in the cars and trucks they drive. We have developed a balanced program of proposed regulatory and driver-related improvements aimed at saving lives and preventing injuries," Curry said.

Curry said that President Bush charges the safety agency with raising the nation's highway safety consciousness and increasing safety belt usage to 70% by 1992; decreasing the number and percentage of alcohol and drug-related highway crashes and fatalities; and decreasing the fatality rate on U.S. roads to 2.2 deaths per 100 million miles of travel.

"The good news is that the President's fatality rate goal has been met because more Americans have gotten the message about drunk driving and are taking advantage of available safety devices, such as safety belts, air bags and child safety seats for youngsters. But far too many still ride unprotected, think warnings about drunk driving are meant for 'the other guy; and routinely ignore posted speed limits," Curry said.

NHTSA will continue its work with other safety organizations to encourage all states to enact safety belt use laws by 1992 (17 states do not have belt use laws); to have motorcycle helmet use laws in all states (only 22 states require helmets

for all riders); encourage states to strengthen and enforce laws against drunk and drugged driving; and to recognize the role speeding plays in many serious accidents by emphasizing the enforcement of all posted speed limits. The agency also will expand its program of training police officers to identify and arrest impaired drivers.

"The President's goals recognize that dramatic safety improvements can occur without new technology. For example, the use of safety belts, child safety seats and motorcycle helmets are common sense measures that have a proven track record of saving lives, and preventing injuries. Proper use would go a long way toward reducing the staggering \$47 billion a year cost of traffic crashes. But many people refuse to take advantage of them. It's like having an effective vaccine for a dreaded disease that sits unused on the shelf of a doctor's office," Curry said.

Curry explained that federal funds and technical assistance will be directed toward state and local programs that offer the most promise for reducing deaths and injuries. In addition, the agency expects to develop a new driving simulator to help safety engineers test the interaction of drivers and cars in situations that would be too dangerous to attempt with real vehicles on a test track.

Belts Now Required in All National Parks

As of January 12, 1990 the National Park Service began requiring the use of safety belts by all front seat passengers of motor vehicles that are operated in park areas.

**REACT
HEADQUARTERS
WISHES EVERYONE
A SAFE AND HAPPY
SUMMER**

LIFE MEMBERSHIP CORNER

The following Life Members the most recent additions to the Life Membership roles. CONGRATULATIONS!!!!

Lloyd Morket LM 456
Farwest REACT Team #4046
Longview, WA

Kathy A. Lydecker LM 457
Bergen-Passaic REACT #4738
Garfield, NJ

Thomas W. Lydecker LM 458
Bergen-Passaic REACT #4738
Garfield, NJ

Craig Hoepfner LM 459
Cedar-Loo REACT #4748
Cedar Falls, IA

I must apologize to everyone for not publishing the following information sooner. Charlie Donaldson LM #301 passed away on December 18, 1989.

Charlie was a member of Scottsdale REACT (Arizona) since 1979 and Life Member since 1988. He served several positions with the Arizona State REACT Council and was President of Scottsdale REACT Team #4148. Charlie represented the Arizona REACT Council at most International Conventions and was deeply involved in Safety Coffee Stops and monitoring Channel 9. He was always on the air serving the public.

The March/April REACTer contains a couple of errors. Darlene Luebben LM 430 is from Cypress, CA, and not Trenton, NJ; Edward L. Howell LM 451 is from Sumner, WA, not Auburn, WA. My team members thought that we had a new member when they saw Darlene's name from Trenton.

This issue will probably be first distributed at the REACT International Convention in Spokane and the Life Membership Dinner will have already

taken place. At that time I may or may not be the LM Chairman for 1990-91, depending on the election. Whatever the outcome, I hope that Life Members will continue to be the driving force in REACT. At the Life Member Dinner at the Madison Convention, Bob Reiche make the statement that Life Members should be very concerned with the Future of REACT. This would entail setting additional objectives, directions and anything else that will keep REACT ahead of the times. Now is the time to realize that Bob's statement is true. At-Large Board member David Ferrell has written about his concerns for the future of REACT and others have echoed the same sentiments, so let's do something about it.

The Life Members who attended the LM Dinner at the International Convention were informed of the progress of the LM Committee to
continued on page 16

1990 APPLICATION FOR LIFE MEMBERSHIP IN REACT INTERNATIONAL

DATE _____

NAME _____

ADDRESS _____

CITY _____

STATE _____ ZIP _____

PHONE _____

TEAM # _____

TEAM NAME _____

Date joined Team (month and day) _____

NOTE: If the two year requirement is fulfilled through membership in more than one Team, please attach a letter of explanation stating which Team(s) and reason for change (moved, etc.)

DATE OF BIRTH _____ (Minimum Age 13)

DUES ENCLOSED: Full Life Member Dues \$340
 Senior Citizen Discount applied
 Age 61 - \$306 Age 62 - \$272 Age 63 - \$238
 Age 64 - \$204 Age 65 and over - \$170
 Payment Plan - \$34 first payment, 10 monthly payments total.

METHOD OF PAYMENT: Check Money Order Payment Plan*
 VISA MasterCard Card # _____

Exp. Date _____ Name on Card _____

I give my permission to publish my address _____ and my phone number _____ in the Life Member directory and other official REACT publications. (Please initial each area)

TEAMS, check this box if this is a surprise gift or recognition. All information will be sent to Team address.

I understand that my acceptance as a Life Member in REACT International does not release me from any financial or other obligation of membership in my local REACT Team. I shall be entitled to all privileges of Life Membership in REACT International wherever and so long as I live and my conduct is consistent with the purposes and ideals of the REACT organization.

SIGNED _____

DATE _____

APPROVAL OF THIS APPLICATION IS RECOMMENDED BY APPLICANT'S TEAM.

(Requires signature of two Team officers other than applicant.)

SIGNATURE _____

TITLE _____

DATE _____

SIGNATURE _____

TITLE _____

DATE _____

*Payments made are considered a donation until Life Membership is paid in full in the prescribed period. There are no refunds of partial payments.

MAIL TO: **REACT International, Inc.**
242 Cleveland
Wichita, KS 67214

FAA REPORTS

High Power-5th Harmonic-Disaster

By: A.E. Hankinson

Channel 10, 27.075 MHz, times 5 equals 135.375 Mhz and WHAMMO!!!

Line of Sight (LOS) calculation is $1.23 \sqrt{H \text{ tx antenna} + \sqrt{H \text{ rcv antenna}}}$. An aircraft at 31,000 feet, (Rx ant.), the CB (Tx ant) at 30 feet, LOS equals 222 miles.

For over two years, the Memphis Air Traffic Control Center has received numerous pilot complaints of a CB transmission (the Handle is Nighthawk), blocking communications on 135.375 MHz. Considering LOS calculations with an aircraft over Nashville, TN at 31,000 feet, the interference could be originating from the North as far as Terre Haute, IN, to the East, Asheville, NC, to the West, Memphis, TN, or to the South, Birmingham, AL. Since the LOS radius is 222, the area involved is over 154,000 square miles.

A 1000 watt linear on Channel 10 with spurious radiation on 135.375 MHz, 20 decibels down (weaker) than the desired signal, you are looking at a signal equal to 8 watts. Not That Much?? But then remember that in most cases, FAA ground transmitters are 10 watts with a maximum of 50 watts in special cases. Two signals, one from the 50 watt (or 10) arriving at the aircraft receiver create a hazardous situation.

How do you check for fifth harmonic radiation without a major investment? Ask a friend with a scanner that covers 118-136 MHz to listen on the frequency at a distance of at least 1000 feet. If he hears you, chances are so will the FAA. The ultimate check is with a spectrum analyzer. The FAA Spectrum Management Division is expanding its field network of mobile and airborne direction finders. Committing resources to solve these problems cost time and money and the unintentional offender often finds himself hopelessly entangled in red tape.

FCC NEWS

"Bootlegging" is Costly

The Commission, in a Public Notice released March 5, announced that it is increasing the amount of a routine administrative monetary forfeiture of the unauthorized operation of a radio station. The usual amount for a first violation will be changed from \$750 to \$1000. The routine amount for a first violation of unauthorized operation in the aviation, marine, public safety and special emergency radio services will be increased from \$1000 to \$1250. Additionally, the Communications Act of 1934, was amended, also authorized seizures of equipment, revocation/suspension of licenses, and criminal penalties (fines up to \$100,000 and/or one year imprisonment), for operating an unlicensed station.

The increases were prompted by numerous complaints of interference resulting from "piracy" of the airwaves. FCC licensees, broadcast associations and radio listeners have reported increased illegal operations and a proliferation of abusive activities.

New Commissioner Sworn In

Ervin S. Duggan was sworn in on February 28th, as an FCC Commissioner by FCC chairman Alfred C. Sikes. Commissioner Duggan succeeds former Commissioner Patricia Diaz Dennis. With the swearing in of Commissioner Duggan the FCC now has it's full complement of five Commissioners.

Call Sign Update Issued

The following is a list of most recently issued FCC call signs (March 1).

District	Group A Extra	Group B Advanced	Group C Tech/Gen	Group D Novice
0	WZOY	KFOIM	NOLPK	KBOGAM
1	WD1N	KC1TX	N1HJS	KA1VFZ
2	WW2Q	KE2SE	N2KJU	KB2JOW
3	NY3R	KD3RF	N3HWQ	KA3VVM
4	AB4TW	KN4EZ	N4YHA	KC40VY
5	AA5QS	KI5DF	N5QBM	KB5LUZ
6	AA6UH	KK6HJ	N6YBR	KC6JCX
7	AA7DO	KG7AX	N7OIZ	KB7JVU
8	WZ8W	KF8ES	N8LXN	KB8JFB
9	WO9Z	KE9VF	N9JIN	KBB9EDT
Guam	KH2M	AH2CF	KH2EI	WH2AMK
Hawaii	***	AH6KH	NH6WB	WH6CGU
Alaska	***	AL7LX	NL7TN	WL7BXE
USVI	NP2F	KP2BT	NP2DP	WP2AHA
P.R.	***	KP4QN	WP4XK	WP4IUH

** indicates that all 2 x 1 call signs have been assigned in those area.

The N-prefixed Group C (1 x 3) call sign blocks for the fourth and sixth call districts have nearly all been assigned. After N4ZZZ and N6ZZZ have been issued, FCC will begin assigning calls from the Group D (2 x 3) call sign block.

REACT in Technicolor

by "Long Island" Phil

Well another year has come and gone so quickly. Before you know it, we will be assembling again for our International Convention (this year to be held in Spokane).

A lot has slowed our CB Task Group down in accomplishing many tasks that we had wished to do. Let me bring you up to date.

1) Our Emergency Phone Directory of Police Department, is in the making. I have sent Ron Faulkner (the member of our task group who is working on the project) as much information as I have gotten so far. I would like to take this time out to say thanks to Marlene Brandom of Antelope Valley REACT (CA) Team C-40 for sending me what seems to be an up to date listing of phone numbers from around the U.S.

Anyone receiving their edition of the REACTer BEFORE convention time, I will be willing to exchange a list of emergency phone numbers (Police Department, Sherrifs, Local, and State are the main concern) at the convention. If you are unable to attend, please send a copy to either me.....

Phil Treglia

76 W. Fairview Ave.

Valley Stream, NY 11580

or for our members up in Canada, please send them to.....

Ron Faulkner

189 Sydenham Street

Woodstock, ON N4S 7B8

2) Also by the time of the convention, I will have mailed out a letter to Consumer Reports in order to see if they can help us in testing radio equipment & to help educate the public in the use of CB radios and the proper use of channel 9.

Just a note in closing. If you are attending the REACT Convention for the first time and would like to learn more about REACT International, get involved with a Task Group. Any TASK GROUP you join will give you a better understanding of what REACT is all about. If you are unable to attend but would still like to learn about what REACT is all about, or would like to help a task group, call or write to the task group leaders that will appear in you Sept/Oct issue.

Until the next thrill-packed episodes of CB in Technicolor, may the "Rainbow of Life" bring color to your everyday clothes.

Team Events

#C040 Antelope Valley REACT, Lancaster, California was busy during the month of April. First with the Kart Races held on April 14th through 15. The Team found themselves on Easter weekend at "Streets of Willow" providing communications for the Southern California Karters. The Easter Bunny even turned out for a run in a Kart and a Easter Egg hunt for all the kids. Then on April 28th, the Team provided communications for ACES 7th annual 2k, 5k, 10k "Run For Dough" held at Mayflower Gardens. Paul Wright, the son of Willie Wright, unit 17 and Luann Wright, unit 217 took a first place in the 2k. The Team even picked up another event, providing communications for the October 28 run for "Drug Free Schools".

#3556 North/Northwest REACT, Park City, Illinois was busy with the annual Lake County Marathon on April 29th. This marathon was voted the best run race in Illinois in 1989. Part of the credit for this is due to the help of the members of REACT. The members of the team and some very well appreciated members from the Wisconsin team and other organization, started to assemble at 6:00

am on the day of the race. The race started in Zion, near the Wisconsin/Illinois border and ended at the southern end of Lake County. By 7:30 all personal were in place for the start of the race scheduled for 8:15. There was a radio equipped person stationed at half mile intervals along the course. This year the weather was perfect for the running of the race. This year the only casualties were the race director who turned his ankle and a paramedic that cut his finger getting an ice pack out of his ambulance. The only problem occurring was the interference from the carrier access repeater system that is in the area. This made for an easy and truly fun day in the sun!

#C475 Southwestern REACT of San Diego County, Inc., San Diego, California participated in two events on March 31st. The Kaiser Permante Ride and Stride as well as the Super Cities Walk. An added special feature at the Super Cities Walk was breakfast served before the event by member Jim Minard. No real problems occurred and all participating Team members are said to have had a good time.

A TRIBUTE TO ALL REACT MONITOR'S!!!

In the darkest hour of your darkest day; may your thought's turn to the lonely traveler whom you have aided along their perilous way. For through effort's, you have lifted many of the burden's and uncertainties which besiege them at each turn of the wheel in the darkness of the night and the impending danger's of the day, your guiding spirit will lite the way.

Though sorrow and the un-certainties's of life have besieged you in your time here on earth; you will know a better existence where there is no strife; for in this life, you have walked tall upon the land, by bending over to aid your fellow-man.

By: Ray W. Demonbrun
METRO REACT TEAM NORTH C1585
UNIT 5116
Louisville, Kentucky

Major Disaster

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replacement of damaged public facilities in the same counties except Sequoyah.

The agency, which designated the counties eligible for federal aid following the declaration, indicated that damage surveys are continuing in other areas and more designations may be made when the assessments are completed.

Under the declaration, aid to individuals can include temporary housing, grants, low-cost loans to cover uninsured private and business property losses, and other programs to help them recover from the effects of the disaster.

Warren M. Pugh, of FEMA's regional office in Kansas City, MO., was named by the agency to coordinate federal recovery operations in the stricken area.

Pugh said that residents and business owners in need of aid can begin applying on Saturday, May 19, by calling 1-800-462-9029, or 1-800-462-7585 for the hearing impaired. He said the toll-free teleregistration number will be in service from 8 a.m. to 6 p.m. everyday until further notice.

Disaster Aid Granted for Arkansas Flood Victims

Federal disaster aid was granted by President Bush to assist state and local recovery efforts for flood victims in central and western Arkansas.

The floods, resulting from severe storms which struck May 1, causing widespread damages to homes, farmland and public property, according to initial damage surveys conducted by Federal Emergency Management Agency (FEMA) and state officials.

The agency said that the President's major disaster declaration provides federal funding to supplement the needs of affected people in the counties of Crawford, Faulkner, Jefferson, Little River, Perry, Pulaski and Sebastian.

Federal funding also will be available to eligible local governments to pay part of the approved costs for repairing or replacing damaged public facilities in the counties of Benton, Boone, Carroll, Crawford, Franklin, Johnson, Logan, Madison, Marion, Newton, Polk, Pope, Scott, Sebastain, and Yell.

FEMA Director Robert H. Morris, who designated the counties eligible for individual and public aid, indicated that damage surveys are continuing and additional designations may be made when the assessments are completed.

The agency, which will coordinate the federal relief effort, said aid to individuals can include temporary housing, grants, low-interest loans to cover uninsured private and business property losses, and other programs to help them recover from the effects of the flooding.

Robert D. Broussard, of FEMA's regional office in Denton, Texas, was named by Morris to coordinated federal recovery activities in the stricken areas.

Broussard said residents and business owners in need of assistance can begin applying immediately by calling 1-800-462-9029, or 1-800-462-7585 for the hearing impaired. He said the toll-free teleregistration numbers will be in service from 8 a.m. to 6 p.m. (CDT) everyday until further notice.

Major Disaster Declared for Georgia

President Bush declared a major disaster exists in Georgia because of damages from severe storms and tornadoes which hit the northwestern portion of the state on February 10.

The storms, killing six people, caused varying degrees of damage to more than 775 homes, according to federal and state damage survey officials. Roads, bridges, sewage treatment systems and other public facilities also were significantly affected, they said.

The Federal Emergency Management Agency (FEMA) said the President's action makes supplemental federal aid available to affected residents and businesses in the counties of Carroll, Chattooga, Douglas, Fannin, Gilmer, Murray and Walker.

The assistance, to be coordinated by FEMA, can include temporary housing, grants, low interest loans to cover uninsured private and business property losses, and other programs to help individuals and families recover from the effects of the disaster.

Federal funding also will be provided for eligible local governments to pay 75% of the

approved costs for repairing or replacing damaged public facilities in Chattooga, Cobb, Fannin, Gilmer, Gordon, Murray and Walker counties.

FEMA Acting Director Robert H. Morris, who designated the counties eligible for individual and public assistance, said damage surveys are continuing in other areas and more designations may be made when the assessments are completed.

J. Rolando Sarabia, of FEMA's regional office in Atlanta, GA, was name by Morris to serve as the Federal Coordinating Officer for the recovery.

President Grants Tennessee's Appeal for Major Disaster Aid

President Bush granted an appeal by Tennessee to overturn an earlier decision by the Federal Emergency Management Agency (FEMA) that denied federal disaster aid for damages from severe storms and flooding which struck the southeastern part of the state on February 15.

The President's major disaster declaration, reversing the agency's determination of February 23, 1990, opens the way for the use of federal funds to supplement the needs of affected residents in Hamilton and Polk counties.

The agency said the President took the action after FEMA reported that recovery from reassessed damages to homes and businesses in Polk County, combined with findings of a damage survey in Hamilton County requested in the appeal, was beyond the response capabilities of the state and affected local governments.

The assistance, to be coordinated by FEMA, can include temporary housing for those whose homes are uninhabitable, grants for individuals and families, low-interest loans to cover uninsured private and business property losses, and other programs to help return the area to pre-disaster conditions.

FEMA Acting Director Robert H. Morris name J. Roldnado Sarabia, of the agency's regional office in Atlanta, Ga, to serve as the Federal Coordinating Officer for the recovery. Sarabia said procedures for requesting assistance will be announced shortly.

The declaration for Tennessee is the ninth signed by the President since the start of the year. FEMA officials said the

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Major Disaster

continued from page 13
state was last declared for federal disaster aid in May 1984 because of damages from severe storms and flooding.

Major Disaster Declared For American Samoa

President Bush declared on February 9th, 1990 a major disaster in American Samoa and ordered federal aid to assist in the recovery from damages caused by Hurricane Ofa which struck the Territory on February 2.

The Federal Emergency Management Agency (FEMA), which will coordinate the federal relief effort, said the President's action makes supplemental funding available to affected residents and local governments in the Territory.

The area was designated eligible for federal aid by FEMA Acting Director Robert H. Morris immediately after the declaration. In addition to this long-term assistance, he said that portable generators, plastic sheeting for roofs and other materials are currently being supplied through the agency to meet immediate emergency needs.

Heavy damages to homes and widespread destruction of essential public facilities were reported by FEMA officials, who arrived in the stricken area shortly after the hurricane to assist the territorial government in assessing damages and recovery requirements.

Under the declaration, aid of individuals can include temporary housing, grants, low-interest loans to cover uninsured private and business property losses, and other programs to help them recover from the effects of the disaster.

Federal funding also will be provided to eligible local governments to pay at least 75% of the approved costs for the repair or replacement of damage public property.

National Disaster Medical System to Exercise Procedures in Mock Earthquake in Central U.S.

Officials of the National Disaster Medical System (NDMS) announced today that the NDMS will conduct a medical exercise October 10-13, 1990 by simulating an earthquake in northeastern Arkansas along the New

Madrid Fault line, in the Central Mississippi Valley.

The first hypothetical tremor, on October 10, will have a magnitude of 6.8 on the Richter Scale. Its epicenter will be at Marked Tree, Arkansas, about 35 miles northwest of Memphis, Tennessee. The exercise scenario calls for an after shock the following day at 6.0 on the Richter Scale, centered at Paragould, Arkansas, about 70 miles northwest of Memphis. The NDMS disaster field office for the exercise is tentatively planned for Jackson, Tennessee.

In the exercise, known as "NDMS-90", medical resources will be mobilized for simulated casualty care in parts of six states surrounding the epicenters: western Tennessee, western Kentucky, eastern Arkansas, eastern Missouri, northern Mississippi, and southern Illinois. Memphis would be particularly hard hit in the scenario. An estimated 2,200 fatalities might result in the affected areas, plus 31,000 other casualties, of which 10,000 would be seriously injured. About 72,000 individuals might need shelter.

NDMS is a cooperative effort of the Department of Health and Human Services, Department of Defense, Department of Veterans Affairs, and the Federal Emergency Management Agency, plus state and local governments and the private sector. It does not replace their disaster planning efforts, but supplements and assists in catastrophes where state and local medical resources are overwhelmed and federal help is needed.

NDMS is designed to care for as many as 100,000 casualties from such a catastrophe, or overseas conventional war, in a network of more than 1,500 participating hospitals nationwide. It has three objectives:

1) To send medical assistance to a disaster area, using Disaster Medical Assistance Teams (DMATS) of about 30 professional medical and paramedical persons each; Clearing-Staging Units (three DMATS linked together) to be sent directly to the disaster site; and medical supplies and equipment.

2) Evacuate patients who cannot be cared for locally to designated locations through the U.S., and

3) Hospitalization in a national network of medical care facilities that have volunteered to accept patients. There are currently 106 metropolitan

areas in the U.S. which have NDMS units. Within this network, there are 75 NDMS coordinating centers. Each center recruits non-federal hospital participation; links hospitals with local transportation, communications, and other resources; and otherwise maintains system operations within its assigned geographic area.

The potential need for this type of emergency medical response in catastrophic disasters became more evident than ever with the recent earthquakes in Soviet Armenia and northern California. NDMS units were actually utilized on a limited scale during Hurricane Hugo. Medical planners consider national exercises like "NDMS-90" extremely important in evaluating the effectiveness of NDMS, which is the sole national medical response system in the United States.

Team Events

#2620 Oklahoma County REACT, Oklahoma City, Oklahoma has been busy, busy, busy!!! On April 14th, 8 members went to Norman and assisted OU REACT with the Special Olympics, working a total of 56 hours. On April 21st, 10 members worked the March of Dimes "Walk America" at Lake Hefner, working 62 hours and 30 minutes. On May 3rd, two members went to Norman to assist OU REACT with the Alabama, et al concert while 12 of them were working the Oklahoma Society to Prevent Blindness "Flight for Sight" part at Downtown Airpark. Joining them after the concert was Gayland Kitch of OU REACT. On May 12th, the Team helped assist the Oklahoma City Safe Kids Coalition by providing communications during the "Safe Kids Fun Fest" as well as the March of Dimes "Walk America" in Norman on May 19th; the Memorial Day Weekend Safety Break/Rest Stop May 25th through May 28th and the Andy Payne Memorial Run on May 26th.

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synchronized swim team as well as being a part time lifeguard at her residence pool.

When asked what her goals for career opportunity was, Michele responded... "to assume and maintain a challenging position which will increase my skills with the potential of developing into a long-term career as well as open opportunities for further advancement."

For those of you who yet know me, my name is Deanne Earwood and I am the new Office Manager of REACT International. I graduated from high school in 1976 from a small community approximately 10 miles west of Wichita. Since then, I have taken several courses not only at Wichita State University but numerous business related courses offered through local vocational schools here in Wichita.

Prior to my employment with REACT I have had 13 years of experience in the association membership sector. With the past 6 years spent in the development and management of two membership related organizations, the first a for profit association with a membership of 16,000 plus and the second a non-profit association with a membership of 4,000 plus. My involvement in



Deanne (left) and Michele (right) discussing the latest issue of the REACTer.

publishing dates back to 1982 with the responsibility, development and growth of three separate publications. I was instrumental in the success of promotional criteria for generating both membership and advertising revenue in my previous position held with the Cessna Pilots Association.

My husband Glenn and I have two daughters, Niki 5 and Cassi 2. In our "free" time, the family keeps quite

active in weekend camping and fishing excursions.

What are my goals in relationship to REACT? To maintain Headquarters in the most professional and efficient manner possible. And to promote REACT, its' Teams and members, as the foremost recognized organization on public service and safety through communications.

Team Events

#C480 Summit County REACT, Akron, Ohio has a new GMRS radio system in place to increase our communications on work details and emergencies. It has been on the air since February 1990 and has already proven to be a great asset to the Team. It was used when the Team assisted the Akron Fire Department and Summit County HazMat Units on a mock disaster on March 31, 1990, and on the Teams first work detail of the 1990 season, the March of Dimes Superwalk. The location of the repeater and the electricity has all been donated and is located in downtown Akron, which gives the Team county wide coverage. It is sure to be proven invaluable for the annual bridgwatch during the Halloween season in providing the Team with clear and uninterrupted communications to report any incidents and to get help there quicker.

#C109 Prince William REACT, Inc., Manassas, Virginia awarded a commendation for outstanding services to REACT and to the public for her prompt and tireless response to REACT calls for assistance to Virginia State Trooper 1475, J.A. Galbraith. In addition to Trooper Galbraith many members received awards. Monitoring hour awards went to Reiss Brown (41), Bob Clark (49), Erich Geppert (48), David Sandridge (47) and Bud Hobeck (38) for 500 hours. 1000 hours went to Mary Barrett (44), Reiss Brown (41), Bob Clark (49) and Erich Geppert (48). 5000 hour awards were presented to Penny Lawson (30), Reiss Brown (41), Don Manlove (52), Bruce Hill (65) and Rikki Hill (66), with a 10,000 hour award going to Gene Lawson (32). The President's Commendation went to Don Manlove (52) and Frank San Pietro (26). Gene Lawson (32) was named REACTer of the Year.

Congratulations to all award winners!!!

#C373 REACT Of The Golden Gate, San Bruno, California held their 1990 Installation Dinner in January and honored Kerry Cochran as the 1989 recipient for his long hours of work involved in preparing our new monitoring station. Not only was he instrumental in preparing the area for the Team's use, he has continued to tackle the extensive job of maintaining the facility. As well as all this, Kerry has still found time to partake in other outside REACT activities, to work with the Northern California REACT Council and to oversee Golden Gate's participation in NACRU (Northern Area California Repeater Users) and to expand the GMRS in Northern California. Congratulations Kerry, and congratulations REACT Of The Golden Gate for having such dedication in your membership.

is happy as a clam in their ignorance of what they're doing...why should they try to eliminate a problem when they (a) know nothing about it, or (b) could care less?

The next step is to contact the offending parties, inform them of the problem preferably with times and dates of offenses, and ask them to take corrective action. If they agree - problem solved! Incidentally, if it's something like monitoring the channel before they transmit, remember that they're trying to break old habits and form new ones. Be patient...it may be necessary to remind them. You can contact them on the air legally...perhaps a simple "Unit xyz, there is a conversation in progress. Unless you have a priority, please stand by."

If the other party refuses to cooperate, after repeated attempts to solve the problem...send a letter to the FCC, detailing the problem, what has been done to alleviate the problem, and copies of all

correspondence. Make sure that you are operating within the limits of the law! Subject to the available staff requirements, the FCC should send a letter to the other party, quoting Part 95.7 (a & b), and asking them to correct the problem. One pertinent point: as far as the FCC goes, you are simply a licensee on the GMRS frequency, and have the same right to the channel than any non-REACTer.

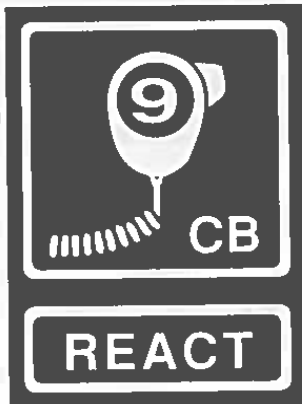
New subject(s): I've been following with interest the progress of another publication similar to this column, and must compliment the author on clarity and content. However, they have recently been including information on radios, which is helpful...but have you looked at the prices quoted? Wow! I guarantee that there are sources within REACT that can save us some money! Before you purchase a new radio, check around the REACT family. Incidentally, for those of you that also get this publication, don't get too excited

about the Maxon SL-3400 Slimline. I have heard from an unidentifiable, impeccable source that the radio is unavailable.

Bits and pieces: The FCC recently increased the licensee fee for GMRS from \$30 to \$35. Send in the correct amount to the correct address...or they'll send it back.

Recently, I received a letter from a young REACTer on the East Coast, requesting a list of GMRS REACT Frequencies. In it he stated "his GMRS officer is almost impossible to find..." GMRS officers, plan to make yourself available to your team... ask to be the principal speaker at a meeting... use non-technical terms, and answer questions! If at all possible, we may try to have a similar meeting at Spokane!

Folks, this may be my last column, since I don't know who the new Board will want. I hope I haven't bored you too much over the years. Letters and comments are always appreciated. Thanks for the opportunity.



Publicizing REACT

by Bob Riechel

the sake of this article, we will agree that such a connection does exist and that the existence can and should be put to the best possible use.

The public relations image, or the attitude the public has toward a REACT Team, is the result of the following:

- The attitude and qualities of the Team members.
- How visitors are received.
- The quality of services performed.
- The consideration given to people who request assistance.
- The radio courtesy of everyone in the team.
- Policies and priorities established by the team.
- Interpretations of these policies and priorities.
- The basic information provided to the community.
- Communication with other organizations and local government.

WHAT ARE THE DESIRED RESULTS?

WHAT results should a REACT Team desire to obtain from EFFECTIVE Public Relation efforts within their community?

The following are possible effects obtainable with an EFFECTIVE Public Relations program:

Continued on page 18

Life Membership Corner

Continued from page 10

develop changes in the LM application and amendments(s) to the REACT International bylaws regarding removal and other situations regarding Life Members. This committee was established at the 1988 Convention and consists of Richard Gamble (chairman), Sylvia Sherman and Dick Cooper. The RI Board of Directors was presented with final recommendations from the committee.

Dick Cooper LM 329
Life Membership Chairman.

Webster's Dictionary lists as definitions of PUBLIC the following..."pertaining to the whole people; relating to, regarding or affecting a state, nation, or community; as, the public service; belonging to people in general; as, a public subscription; open to the knowledge of all;..."

Webster's Dictionary lists as definitions of RELATIONS the following..."connections perceived or imagined between things; a certain position or connection of one thing with regard to another;..."

To REACT, Public Relations will mean, the perceived connections between a REACT Team and its community, state, and/or nation. For

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Be sure to include your name and address!

#C546 Lema REACT, Allentown, Pennsylvania held their Annual Dinner February 17th, 1990 at the Village Inn in Allentown. Lema members were joined by several area REACT Team members from Concerned Citizens Band REACT, Daniel Boone REACT, Delaware County REACT, Emergency Radio REACT and Harrisburg REACT. Various members received recognition for their efforts throughout the year. March of Dimes Chapter Chairman, Assistant Chief of Police, Gerry Monahan and Joe Capone presented an award for Lema's 19 years of excellent service, especially in conjunction with the annual walk-a-thon. Awards were also presented to Police Officials Ernest Lilly and Joe Cochran. Other community service groups receiving awards for the contribution to the community included: SERTOMA, Quakertown Hospital, and Tim Gilbert from SERTOMA. Festivities followed culminating with the awarding of numerous door prizes.

#C446 Brownwood REACT, Brownwood, Texas had a record turnout for the Texas State REACT Council meeting they sponsored in March. Friday night kicked off the the "Cajun Feed" in the hospitality room courtesy of the Holsum Bread Company. Door prizes were awarded with the State Meeting held Saturday, followed by a "Burger and Beverage Bash" sponsored by the Brownwood Chamber of Commerce. On Sunday the Team hosted a seminar on Hazardous Materials Emergency's. March was a busy training month for this Team, starting with a weather school for all members which promptly turned into a real Storm Watch. Shortly afterwards the Team sponsored a Traffic School, and a number of members went out and helped work a traffic on a major 10/50 the next day. April started out to be a quite, routine month, with participation in Walk-A-Thons, and the State BB gun shoot-off, but ended with a bang with the "April Showers". (Details on the Teams participation in local flash floods in featured elsewhere in this issue).

1. Increase the awareness by your community that a REACT Team exists and how the public benefits.

2. Increase the awareness by your community that your REACT Team is volunteering their time and knowledge to their community.

3. Increase the desire on the part of the community to join REACT. This joining could be by physically becoming a member of your "official" Team or by becoming a part of the "other" team, those concerned individuals in your community that are there when your REACT Team needs to seek out community support.

4. Increase the awareness of your local law enforcement agencies that REACT members are assisting various groups within the community by providing one or more kinds of safety related services. These could be setting up communications for a walk or run to assisting with the lost child program at a local fair.

WHY SHOULD REACT TEAMS CARE ABOUT PUBLIC RELATIONS?

We agree then that PR can benefit a REACT Team. Therefore the question, why should a REACT Team care about PR? Anything that can affect and benefit a REACT Team should be considered as that team carries on its activities. Some PR will result from any activity, even if you do not see it immediately. Therefore a REACT Team should consider the aspect of PR in the day to day planning of their activities.

IS THERE EFFECTIVE AND BAD PUBLIC RELATIONS?

If there can be effective PR, then PR not handled properly or adverse activities of individuals can cause BAD PR. I will not get into what might cause or be considered BAD PR, but it should be possible to turn BAD PR around into EFFECTIVE PR.

A lot of the possible BAD PR comes about because the viewer is misinformed or uninformed. Likewise, a lot of the EFFECTIVE PR comes about because the community is properly and completely informed AND agrees with the principles of the activity or event. An attempt to more fully inform the community about the activity and the part REACT plays in the overall picture should help turn BAD PR into EFFECTIVE PR. One must not stop here. BAD PR can only be turned into EFFECTIVE PR when REACT has the opportunity to educate the community. BAD PR left unchallenged by the facts WILL REMAIN BAD PR. Therefore, every REACTor must consider each and every one of this actions as causing PR for him as a REACTor, for his REACT Team, and, yes, even for other REACTors nationwide who share the name REACT.

Portions of the this article were taken almost verbatim from the PUBLIC RELATIONS How-To-Do-It Book developed for REACT International by the Public Relations Task Group of the REACT Forum using as a format the Public Relations Manual from the Nebraska State REACT Council. Excerpts will be printed in this column over the next several issues of the REACTer.

ATTENTION ALL REACT TEAMS

Half year dues are currently in effect. Now is a good time to boost membership in your local REACT Team.

Regular members dues through December 31st are \$8.50 with family and junior members dues at \$7.50.

So let's all go out and promote your Team and REACT. Make a goal of doubling your Team members.

For new member sign-up sheets please contact REACT Headquarters.

PROCEDURES ON MONITORING CHANNEL 9

Last issue we discussed the role of the REACT member who monitor channel 9. This article we are going to discuss monitoring procedures for channel 9.

People will understand you better if you pronounce your words clearly and somewhat slowly; a rate of about 60 words per minute is proper. The normal rate of speaking is about 125 words per minute, although some people have trained themselves to speak as fast as 220 words per minute. When speaking at a rate of 60 words per minute, you have a better chance of being understood when radio communications are poor.

As a monitor on Channel 9, you must be both clear and concise. Sometimes clarity and brevity can interfere with each other. You can use many words to get your message across or you can be so brief that people misunderstand or fail to catch your message. Repeating things or elaborating upon them makes your message easier to understand. On the other hand, being "wordy" may cut into emergency response time.

Always think before you transmit. Know what you want to say in advance. Press the button, hesitate an instant, then speak distinctly. Be brief, be concise, do not mumble, do not become excited. Remember, the person on the other end of your transmission, themselves are most likely excited, and you don't want to add to their anxiety. First let's look at false calls. Below are a few suggestions on how to identify a possible false call.

1. Does the caller sound as though they are on a base station themselves? If they do, let them make the call themselves. You might explain it will speed the call for help, while knowing, if it is a false call, it will most likely not be completed. If it is a legitimate call, they will complete it from their telephone.

2. Does the person seem to be sure of himself? Is he too calm for the type of report he's making? Again, most people get a little excited or tense in an emergency and this is reflected in their voice.

3. Listen intently to what is being said. This enables you to receive the message accurately the first time, without repetition. Does what you hear make sense? This could be the

clue you are looking for to reveal a false call. Too many details given for what would be a normal passerby report? Listening closely also can save time in determining exact location of incident.

4. Did the caller unduly hesitate when asked for their name? Did he give too common of a response? If he is reporting being at the scene of an accident, ask again for his plate number. If it is a false call, he's not likely to remember what number he gave you. The willingness to give the information expresses to the monitor the validity of the call, if he is sensitive to it.

5. Is he willing or able to remain at the scene until help arrives?

6. Do not let the possibility of a false call stop you from making an emergency phone report. You may receive a call which has one or more of the indications mentioned, but something tells you this is for real. Make the call, advise the agency that the situation does not sound just right but it warrants checking. Another big problem facing monitors is the person who calls an emergency number and identifies himself as a REACT unit, when he is not. Place a team roster in the hands of each emergency agency you deal with, when an actual member places a call, the agency can check the information on the roster. Keep the information current. Include their home phone number and central base phone number. Many 911 systems can use this to verify the monitoring number also.

If you are scheduled to monitor, stay with your radio. It is recommended by many teams that a set schedule for control, base and home stations be established. Variation of hours on monitoring differ from team to team. Be sure to log all incoming calls, and whom they are reported to.

The use of the military time system is recommended by law enforcement agencies, fire departments, and other emergency and non-emergency agencies, as the best method of determining time. This can be learned quickly. The use of the military time chart at the end of this article will assure you trouble free transfer to military time.

Reference Telephone list: Most areas have available numerous hot line numbers, such as Child Abuse,

Spouse Abuse, Suicide Prevention Center, Poison Control Center, Etc. You may only need this number once, but remembers, **SECONDS DO COUNT!**

Keep a list of commonly used call signs for local REACT Teams, police agencies and other organizations you deal with.

Gas Station List: A gas station list listing stations that are open 24 hours a day, what types of gasoline they have available; do they have diesel fuel available; do they have a wrecker, will they do any minor or major repairs, 24-hours a day, can be critical.

Next issue...Answering Specific Calls on Channel 9.

MILITARY TIME

1:00 a.m.	0100
2:00 a.m.	0200
3:00 a.m.	0300
4:00 a.m.	0400
5:00 a.m.	0500
6:00 a.m.	0600
7:00 a.m.	0700
8:00 a.m.	0800
9:00 a.m.	0900
10:00 a.m.	1000
11:00 a.m.	1100
12:00 a.m.	1200
1:00 p.m.	1300
2:00 p.m.	1400
3:00 p.m.	1500
4:00 p.m.	1600
5:00 p.m.	1700
6:00 p.m.	1800
7:00 p.m.	1900
8:00 p.m.	2000
9:00 p.m.	2100
10:00 p.m.	2200
11:00 p.m.	2300
Midnight	2400

EXAMPLES

1:00 a.m. - military time is 0100 zero-one-zero-zero. Not oh, 1, oh, oh. Always remember, "O" is a letter, Z "Zero" is the number.

Midnight -2400 (24 hundred hours).

30 Minutes After Midnight - 0030, (Zero, Zero Thirty Hours). NOT 2430!



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