

In the news: PHR 8, Washington County EMS, Yorktown EMS, Irion County EMS. Page 4.

Texas EMS

M a g a z i n e

*The New CPR
Dan Finley analyzes
AHA guidelines. Page 8.*

Joe Gonzalez took this award-winning photo of Cynthia Thomason and her young patient. More winners on page 25.

Serving Texas Emergency Care Professionals

Texas Department of Health

February 1993

April through September 1992 exam averages. Page 31

About this issue



COVER PHOTO: City of Beaumont EMS paramedic Cynthia Thomason comforts a tiny patient while Beaumont Fire Department personnel cut through panels on a pickup truck to free the child's middle finger. Once the Jaws of Life freed her finger, the child went home with her parents. Paramedic Joe Gonzalez took several photos during the 45-minute ordeal and won a \$100 Grand Prize in the Texas EMS Photo Contest with this photo.

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Texas EMS

M a g a z i n e

February 1993

Vol. 14 No. 1

Texas Department of Health

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Thank you, Dr. Prentice

I want to take this opportunity to publicly thank Dr. David Prentice for his many years of service on the Texas EMS Advisory Council and for his four years as chair of the council. I have enjoyed working with him, both personally and professionally.

Dr. Prentice resigned from TEMSAC in January and I will miss his presence on TEMSAC. He has served Texas EMS well as a council member and as TEMSAC's top executive. Dr. Prentice started our Legislative Forums to find out what kind of legislation you wanted TEMSAC to support. He supported Provider Licensing to improve the professional management and patient care of emergency medical services. And during TEMSAC meetings Dr. Prentice was always able to keep us focused on the topic at hand and the business of making decisions. Dr. Prentice was also one of the earliest supporters of the idea of a monument honoring Texas EMS personnel, and he continued to push for and ask about the monument during the years we were raising money, getting approval for a location, and trying to find just the right kind of pink Texas granite.

While we will really miss Dr. Prentice, I am extremely pleased at the prospect of working with TEMSAC's new chair, Dr. Donovan Butter from San Antonio. Many of you may not know that years ago Dr. Butter worked for the EMS Division in Public Health Region 1 as a paramedic. Dr. Butter and I worked on the health department's first EMS instructor course in the early 1980s. Dr. Butter wrote the material and I got it typed.

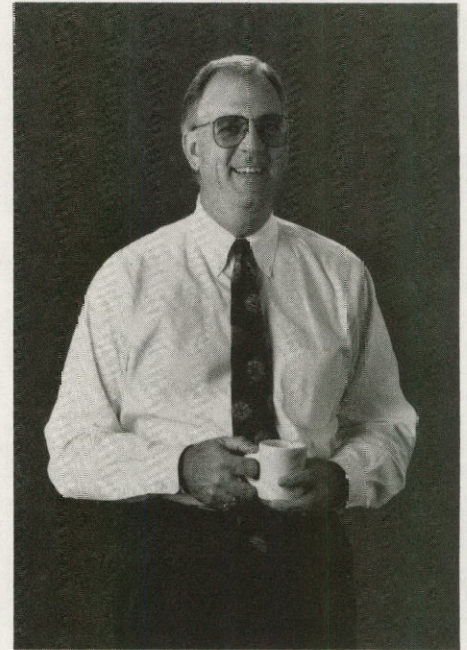
Dr. Butter has served on TEMSAC

for four years and has been both parliamentarian and vice chair, as well as a member of the medical directors committee. Dr. Butter has also been instrumental in the review of our certification exams, and has chaired committees to review and write exam questions used by the Bureau's Certification and Licensure section.

All of our staff welcome Dr. Butter as TEMSAC's new chair, Virginia Scott as vice chair, and Carla Garner as parliamentarian. We all look forward to working with each of them on the issues in Texas EMS.

Something really wonderful happened at the TEMSAC meeting on January 22. For the first time in many months, EMS personnel attending the TEMSAC meeting outnumbered our staff. Now, don't misunderstand, we had a lot of staff at the meeting, so you didn't beat us out that way. No, it appears to me that EMS personnel came to Austin to be involved in the committee meetings on Thursday and to be part of TEMSAC's decisionmaking on Friday. I hope that even more people attend the April 28 and 29 meetings of TEMSAC.

The registration fee for The National EMS Conference of Texas, TDH's Texas EMS Conference '93, is \$50 through March 1. You can use the registration form on page 27, but after March 1 the registration fee goes to \$60. This is still the best deal in the country, so come on and join us in Fort Worth at our outstanding EMS conference.



GENE WEATHERALL,
CHIEF
BUREAU OF EMERGENCY
MANAGEMENT

Local and Regional EMS News

since 1985, began working in Colorado City in October. Mitchell County EMS plans to upgrade to an ALS system.

Washington County garners award after response

Washington County EMS was honored in November for their work after an April 7 gas pipeline explosion left three people dead and 23 injured. The ceremony and award was sponsored by the Houston Fire Department, The University of Texas Health Science Center Houston, and ABC affiliate Channel 13. The television station taped the ceremony as part of a documentary titled "Human Links Who Make It All Possible." The award was presented to Ron Haussecker, EMS Director, and Donna Gomez, Assistant Director, by Dr. Red Duke.



Washington County EMS was recently honored in Houston at an award ceremony for the service's work after the April 7 pipeline explosion in Brenham. Dr. Red Duke, center, made the presentation to Washington County assistant EMS director Donna Gomez and EMS director Ron Haussecker.

Yorktown EMS finds novel way to raise funds

Yorktown EMS has found a new way to generate income for the volunteer service. With money raised from the community, volunteers took a donated building and created a medical clinic. The service now leases part of the building to the town's doctor, who is also the service's medical director. An-

other area of the building may soon be leased to a hospital for use as a rural health clinic. Income from rents and other donations will be used to renovate the remaining portion of the facility into EMS headquarters later this year. As the city and county do not fund EMS, the money needed for renovation was donated by people in Yorktown and surrounding areas, which has a population of about 5,000. So far, nearly \$74,000 of the \$90,000 needed has been raised.

The service currently has six volunteers, including five ECAs and one EMT. However, that number could change soon as 20 students are enrolled in an EMT class: three of the service's ECAs are upgrading to EMT, and 17 students will be new volunteers.

Explorer Scout graduate joins Austin EMS

City of Austin EMS has a new member of the team, thanks to an Explorer Scout program that offers hands-on training to youths



Yorktown EMS unveiled its new medical clinic in November. Helping with the ribbon cutting are, from the left, Mary Lee Kozielski, Lorene Migura, Jo Ann Cornelius, Mayor Eugene Czaja, Pat Wiggins, Billy Fischer, Woodrow White, John Oliver, Stacy Barth, Dr. Gordon Barth, Joe Martinez, Pam Hoefling, Irene Wulf, Betty Prescott, and Lauren Jackson.

Local and Regional EMS News



Ready Teddy celebrated with the winners of a poem and essay contest recently in Center, Texas. From the left are Rachael Russo, Rhonda Morales, Ready Teddy, Diana Simpson, Colby Miller, Jon Catley, and Bradley Edge. The contest was sponsored by the Texans' War on Drugs.

interested in EMS. Darin Bayles is the first graduate of the Austin Explorer Scout program to join the 174-person department.

Bayles, 20, became interested in a career in emergency medicine while a freshman in high school. Joining the program, he says, gave him a firsthand look at how EMTs perform in the field, and convinced him that it was the career he wanted. Austin EMS Explorer Scouts provide first aid at large campouts, and teach basic training and CPR to other scouts, ride on ambulance runs and volunteer in a hospital.

After graduating from high school, Bayles completed EMT training and worked at another medical-related job for six months to qualify for Austin EMS.

Live Oak EMS elects officers

Live Oak EMS elected new officers for 1993 recently. They are Juana

Barrientez, president, and Larry Ganter, vice president. Lisa L. Stewart was re-elected to secretary/treasurer. Outgoing officers are Linda Couk, president, and Ernie Whitson, vice president. Stewart was on the cover of the November 1992 edition of *Texas EMS Magazine*.

Texas paramedic elected to national delegation

Paramedic John Rinard, recently hired by the Bureau of Emergency Management, was elected a national BTLs delegate at the National BTLs Conference and will represent Texas at national BTLs meetings. Rinard had worked for the Corpus Christi Fire Department. He is currently working on a new national BTLs textbook and written exam, and hopes to form a communication network among states regions with BTLs affiliation.

Ready Teddy in right place at right time

Talk about being in the right place at the right time. Ready Teddy, along with some Gaddy Ambulance employees, were on their way to an elementary school to talk about school bus safety during School Bus Safety Week last October in Center. About 7:55 a.m. they got a call about a school bus crash in nearby Nacogdoches. The bearamedic had to quickly become a paramedic for a short while as the team responded to the wreck. Fortunately, no children were seriously injured. The bus driver, who was critically injured, is recovering now. Later in the morning, the bearamedic finally brought the safety message to the students at the original destination.

Ready Teddy took it a little easier over the holidays, but he still made trips to several communities, including Lockhart, Winters, Stockdale, Leander, and Cedar Hill. In other RT news, Burnet EMS and East Williamson County First Responders just purchased their own bear suits. Approximately 20 services have their own bear suit now.

Panhandle paramedics complete tactical course

Seven Lubbock-area paramedics were among 39 EMS and law enforcement personnel who completed an EMT-Tactical course at North Central Texas

Local and Regional EMS News

Regional Police Academy in October. The course teaches EMS personnel how to provide medical support to law enforcement officers during tactical operations.

Attending the program from the Lubbock area were Lubbock EMS Director Mark Brock; EMS Shift Chiefs Alan Harrison, Jackie Buck, and Bruce Cody; EMS Special Projects Coordinator Jim Majorowski; Vince Laymon; and Texas Tech University Health Sciences Center EMS Program Director Neil Coker.

West Harris County EMS members complete certification

Several members of West Harris County EMS recently advanced their certification levels. Sandra Morin, Shannon Morin, and Gerry Sullivan are now EMT-Is. Michele Clark and Pat Klappenbach advanced to paramedic.

Sinton Chief dies in traffic mishap

Sinton Volunteer Fire Department Chief Billy Wayne Marburger, 59, died January 2 after his truck hit a horse lying in the road about four miles north of Mathis on Interstate 37. Marburger's son, Billy Michael Marburger, suffered minor injuries. Two other cars had hit the runaway animal before Marburger, and occupants of those vehicles also suffered injuries.

Marburger served as chief of the volunteer fire service since 1985. Firefighter and EMS person-

nel in the area knew him as someone always ready to help other people. Dennis Lindeman, assistant fire chief, said that Marburger often helped EMS at the scene of accidents by fetching supplies for them so they wouldn't have to leave a patient. Sinton EMS also goes on all fire calls with the fire department.

"He assisted EMS every chance he got," said Lindeman. Just 12 hours before his death, Marburger worked with EMS in extricating a wreck victim on another road.

More than 600 people attended the funeral, with fire and EMS personnel wearing black arm bands and tape over their badges. Memorial contributions may be made in Marburger's name to: Sinton Volunteer Fire Department, c/o Marburger Memorial, P.O. Box 1082, Sinton, 78387. Make checks payable to Sinton VFD. All funds collected will be sent directly to the Marburger family.

Irion County EMS receives new vehicle

Irion County EMS recently took delivery on a new, fully-equipped ambulance, thanks to a grant from the Texas Department of Health, donations from local government, and the fundraising efforts of the service's 34 volunteers. The ambulance was paid for by a Local Projects grant from the health department's Bureau of Emergency Management, and funding from the City of Mertzon, and Irion county. But the equipment for the vehicle came from money raised by volunteers who taught CPR and first aid courses to people in the community, high school students, and employees of local businesses, such as day-care centers. In three years, the volunteers trained more than 1,000 people in CPR at \$10 per person, according to education coordinator Joyce Gray.



Irion County volunteers show off their new ambulance recently in Mertzon. From the left are Sidney Mabry, Shirley Patton, Joyce Gray, and Jerry Lester, who works for the Bureau of Emergency Management.

The New CPR

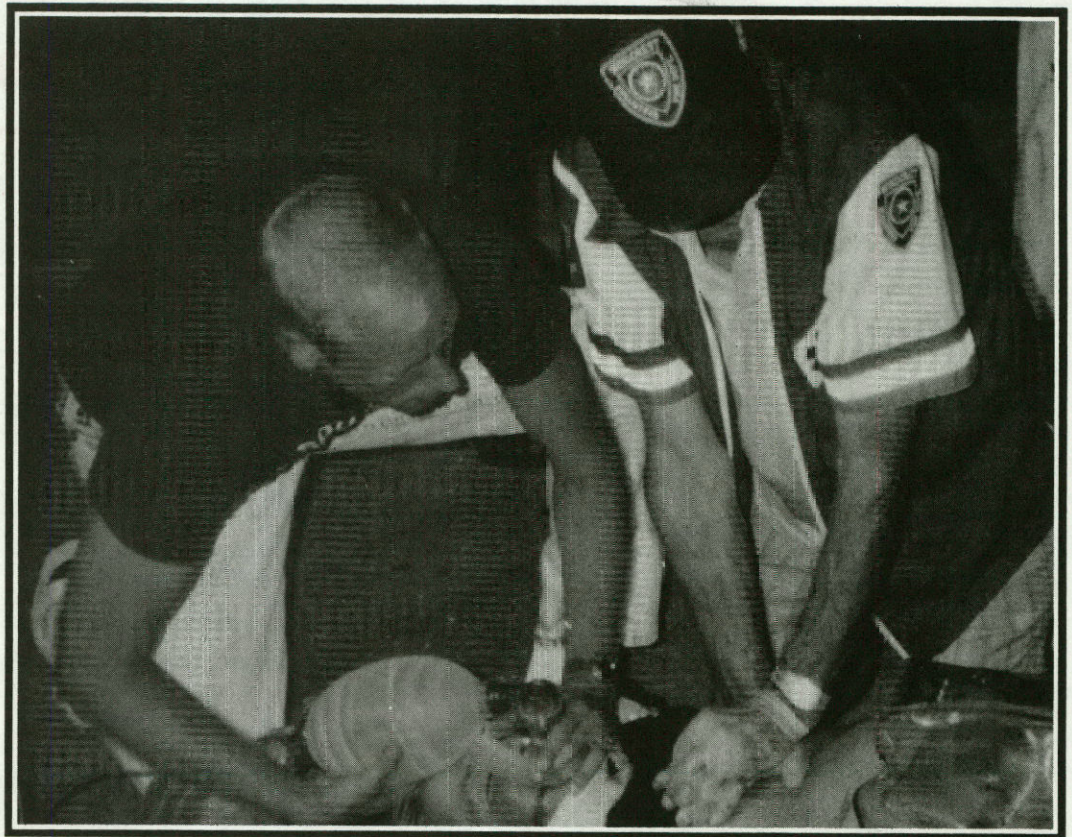


Photo by Lori Vargas

By Daniel Finley
and
Eddie Kemp

The new American Heart Association CPR guidelines were published in the October 28, 1992, edition of the *Journal of the American Medical Association*. The initial guidelines first appeared in 1966 and were directed at the medical community. In 1973, the guidelines were modified for a newly expanded audience, the general public. Revisions and modifications followed in 1980 and 1986. The 1992 revision does not include major changes. The minor changes are noted here and in bold type on the procedural sheets.

Adult CPR:

1. Activation of EMS system (call 911) is earlier in the sequence and now occurs after the call for help.
2. Ventilation time changed from 1-1.5 seconds per ventilation to 1.5-2 seconds per ventilation.
3. Mouth-to-barrier device (pocket mask or face shield) has been added.

Dan Finley and Eddie Kemp are with Gulf Coast Community College in Panama City, Florida. Finley has taught EMS courses in Texas at Austin Community College in Austin, and in Odessa.

Professional Team CPR:

1. No actual changes other than those accounted for in adult CPR, i.e., earlier activation of EMS, slower ventilations and added mouth-to-barrier device.

Unconscious Adult Obstructed Airway:

1. Changes seen in adult CPR are again reflected here, i.e., earlier activation of EMS, slower ventilations, and added mouth-to-barrier device.
2. The abdominal thrusts, or subdiaphragmatic abdominal thrusts, are now called "Heimlich maneuvers."
3. The number of thrusts delivered changes from 6-10 to "up to 5."

Infant CPR:

1. If second rescuer available, early activation of EMS. Otherwise, the rescuer is directed to provide BLS

- for one minute before calling 911.
2. In positioning the infant, the palm may be placed under the back to serve as a hard surface.
 3. If the infant is carried a short distance while CPR is in progress, the infant's head must not be higher than the body and the rescuer's arm may serve as the hard surface.
 4. Jaw thrust may be used if cervical injury is suspected.
 5. Mouth-to-barrier device has been added.
 6. Assessment of the femoral pulse is a new option.
 7. While delivering compressions, the free hand, if not supporting back, should be on the forehead to maintain the head tilt.
 8. The timing of the reassessment of breathing and circulation has changed from after the tenth cycle to after the twentieth cycle or approximately one minute.

Infant Obstructed Airway:

1. Changes seen in infant CPR are again reflected here, i.e., activate EMS system early if second rescuer available or after one minute if single rescuer, provision of hard surface, jaw thrust added, mouth-to-barrier device added, femoral pulse, support of the head tilt, and change in the breathing and circulation reassessment.
2. Wording is slightly changed on support of infant head during back blows, i.e., from "hand under jaw and chest" to "hand firmly holding jaw."
3. Number of back blows have changed from 4 to "up to 5."
4. New option of placing large infants in rescuer's lap for delivery of chest thrusts has been added.
5. Number of chest thrusts have

changed from 4 to "up to 5."

6. Chest thrusts have changed from "slow and deliberate" to "downward and quick."

Child CPR:

1. If second rescuer available, early activation of EMS, otherwise, the rescuer is directed to provide BLS for one minute before calling 911.
2. The term "slow" ventilation is added, but the duration of the breath remains unchanged at 1-1.5 seconds each.
3. Mouth-to-barrier device is added.
4. The compression rate changed from 80-100 compressions per minute to 100 compressions per minute.
5. After each set of compressions, the rescuer must reestablish the head tilt/chin lift with each ventilation.
6. The rescuer is allowed to visualize rather than re-landmark the hand position when returning to compressions.

Child Obstructed Airway:

1. Changes seen in child CPR are again reflected here, i.e., activate EMS system early if second rescuer available or after one minute if single rescuer, mouth-to-barrier compression rate changed, reestablishment of head tilt/chin lift, and allowance for visualization rather than re-landmarking.

Source: American Heart Association (1992). Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiac Care, *Journal of the American Medical Association (JAMA)*, 268(16), 2171-2302.

•Adult CPR

•Professional team CPR

•Unconscious adult obstructed airway

•Infant CPR

•Unconscious infant obstructed airway

•Child CPR

•Unconscious child obstructed airway

STEP ADULT CPR PROCEDURE

1	Assess unresponsiveness: shake and shout (4-10 seconds)		
2	Call for help; activate EMS system (call 911)		
3	Place victim in supine position on a hard surface (4-10 seconds)		
4	Open airway a. head tilt-chin lift b. jaw thrust (if neck injury suspected)		
5	Assess breathing (3-5 seconds) a. look for chest movement b. listen for air exchange (ear 1" above mouth) c. feel for air current from mouth		
6	Deliver 2 slow ventilations (1.5-2 seconds each) a. mouth-to-mouth 1. pinch nostrils 2. volume: 800-1200 mls (observe chest rise) b. mouth-to-barrier device (pocket mask or face shield) c. mouth-to-nose (if mouth trauma or trismus*) d. mouth-to-stoma (if neck breather)		
7	Assess pulse: check nearest carotid pulse (5-10 seconds)		
8	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>If no pulse detected:</p> <p>a. move to chest</p> <p>b. proper body position</p> <p>c. bare chest</p> <p>d. landmark check: trace costal arch to xiphoid notch</p> <p>e. hands on lower half of sternum</p> <p>f. interlace or extend fingers</p> <p>g. lock elbows</p> </td> <td style="width: 50%; vertical-align: top;"> <p>If pulse detected:</p> <p>a. maintain airway</p> <p>b. ventilate 10-12/min PRN</p> </td> </tr> </table>	<p>If no pulse detected:</p> <p>a. move to chest</p> <p>b. proper body position</p> <p>c. bare chest</p> <p>d. landmark check: trace costal arch to xiphoid notch</p> <p>e. hands on lower half of sternum</p> <p>f. interlace or extend fingers</p> <p>g. lock elbows</p>	<p>If pulse detected:</p> <p>a. maintain airway</p> <p>b. ventilate 10-12/min PRN</p>
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9	Deliver 15 chest compressions (9-11 seconds) a. vertical compressions; depth 1.5-2" b. smooth, "50/50" compressions c. say mnemonic "one-and, two-and, three-and ..." d. rate: 80-100 compressions/minute		
10	Deliver 2 slow ventilations (1.5-2 sec) after each compression set		
11	After 4th cycle of compressions and ventilations (about 1 min of BLS): recheck breathing and pulse (3-5 seconds)		
12	If breathing and pulse absent, deliver 2 slow ventilations		
13	Resume cycles of 15 compressions to 2 ventilations		
14	Recheck breathing and pulse every 2-3 minutes thereafter		

*trismus = clenched teeth and jaws

PROFESSIONAL TEAM CPR FOR THE ADULT VICTIM

STEP	FIRST RESCUER	STEP	SECOND RESCUER
1	Assess unresponsiveness	1	Activate EMS system
2	Position victim supine		
3	Open airway		
4	Assess breathing (3-5 sec)		
5	Deliver 2 slow ventilations (1.5-2 seconds each)		
6	Assess pulse (5-10 seconds)	2	Prepare for compressions
7	Say "No pulse; begin CPR"	3	Deliver 5 chest compressions; say mnemonic aloud
8	Deliver 1 slow ventilation	4	Pause for ventilations
9	Continue ventilating after each 5th compression, periodically check artificial pulse	5	Continue cycles of 5 chest compressions, pausing for each ventilations
10	After 1 minute of CPR, say "hold CPR"	6	Stop compressions
11	Reassess breathing and pulse (3-5 seconds); if absent, ventilate X 1	7	Hold compressions
12	Say "resume CPR"	8	Resume compressions
13	Resume ventilations	9	Continue compressions. When tiring, call for change of position; Say "Change-and, 2-and, 3-and, 4-and, 5-and" as chest is compressed
14	Ventilate after 5th compression	10	Move to head and locate carotid pulse
15	Move to chest and check landmark; place hands	11	Assesse pulse (3-5 seconds)
		12	Ventilate once and say "Resume CPR"
16	Begin compressions, pause after each 5th compression for the ventilation	13	Continue ventilating after each 5th compression, periodically check artificial pulse
17	When tiring, call for change of position	14	Respond to change as above
18	Change sequence PRN	15	Change sequence PRN

STEP UNCONSCIOUS ADULT OBSTRUCTED AIRWAY PROCEDURE

1	Assess unresponsiveness: shake and shout	
2	Call for help; activate EMS system (call 911)	
3	Place victim in supine position on hard surface (4-10 seconds)	
4	Open airway: head tilt/chin lift	
5	Assess breathing: look, listen and feel (3-5 seconds)	
6	Attempt to ventilate	
7	Readjust head tilt/chin lift	
8	Reattempt to ventilate	
9	Assume position for manual thrusts: (Two variations)	
10	<p>Heimlich Maneuver*</p> <ul style="list-style-type: none"> a. straddle the victim's thighs b. place heel of one hand slightly above the umbilicus, but well below xiphoid process c. place second hand on top of first d. deliver thrusts inward and upward direction e. thrusts should be quick f. deliver up to 5 thrusts 	<p>Chest Thrusts</p> <ul style="list-style-type: none"> a. kneel beside the victim's chest b. place heel of one hand on lower end of sternum c. place second hand on top of first d. deliver thrusts in downward direction e. thrusts should be slow and distinct f. deliver up to 5 thrusts
11	<p>Finger Sweep (6-10 seconds)</p> <ul style="list-style-type: none"> a. use only on unconscious victim b. head in alignment with body c. tongue-jaw lift d. use hooking action to sweep e. dentures, when present, may need to be removed 	
12	Reattempt to ventilate (3-5 seconds)	
13	<p>If ventilation successful:</p> <ul style="list-style-type: none"> a. deliver 2 slow ventilations b. each breath 1-1.5 seconds c. check pulse d. provide respiratory support, or CPR as needed 	<p>If ventilation unsuccessful: repeat Heimlich maneuvers, finger sweeps, and ventilation attempts until successful</p>

* Heimlich maneuver = subdiaphragmatic abdominal thrusts

STEP INFANT CPR PROCEDURE (INFANT: NEWBORN TO 1 YEAR OLD)

1	Establish unresponsiveness: speak and gently tap
2	Call for help; if 2nd rescuer available activate EMS (call 911)
3	Place infant in a supine, horizontal position on hard surface a. palm may be placed under back as hard surface b. if infant carried, the head must not be higher than body; rescuer's forearm may serve as the hard surface
4	Open airway: a. head tilt/chin lift (avoid hyperextension) b. jaw thrust if neck injury suspected
5	Assess breathing: look, listen and feel (3-5 sec)
6	Deliver 2 ventilations: a. mouth-to-mouth and nose 1. each breath 1-1.5 seconds 2. ventilate just enough to cause chest to rise b. mouth-to-barrier device (if available)
7	Assess pulse: check brachial or femoral pulse (5-10 sec)
8	If no pulse detected: a. locate nipple line b. place 2-3 fingers below line on lower third of sternum c. lift index finger and compress If pulse detected: a. maintain airway b. ventilate 20/ min PRN
9	Deliver 5 chest compressions: (3 seconds or less) a. vertical compressions: depth 0.5-1" b. smooth "50/50" compressions c. say mnemonic "one, two, three ..." d. rate: at least 100 compressions/minute e. use free hand (if not supporting back) to maintain head tilt during compressions
10	Deliver 1 ventilation after each compressions set: a. each breath 1-1.5 second (observe chest rise) b. may pause for ventilation
11	Recheck breathing and pulse (3-5 sec) after 20th cycle (about 1 minute of BLS)
12	If breathing and pulse absent, deliver 1 ventilation
13	If EMS not yet activated: activate EMS If EMS activated: resume cycles of 5 compressions and 1 ventilation
14	Recheck breathing and pulse every 2-3 minutes thereafter

STEP	UNCONSCIOUS INFANT OBSTRUCTED AIRWAY PROCEDURE	
1	Assess unresponsiveness: speak and gently tap	
2	Call for help; if 2nd rescuer available activate EMS (call 911)	
3	Place infant in a supine, horizontal position on hard surface	
4	Open airway: head tilt/chin lift (avoid hyperextension)	
5	Assess breathing: look, listen and feel (3-5 sec)	
6	Attempt to ventilate (mouth-to-mouth and nose, or barrier device)	
7	Readjust head tilt/chin lift	
8	Reattempt to ventilate	
9	Straddle infant face down (prone) over rescuer's arm a. infant's head lower than trunk (below horizontal) b. infant's head supported by firmly holding jaw c. rescuer's forearm supported by rescuer's thigh	
10	Deliver up to 5 back blows (3-5 sec) a. deliver with heel of hand; palm open; don't make fist b. deliver between the shoulder blades	
11	Reposition infant a. sandwich infant and roll over; infant remains on rescuer's arm, head below horizontal, but face up (supine) b. back of infant's head is supported in rescuer's hand c. large infant may be placed in rescuer's lap	
12	Deliver up to 5 chest thrusts (3-5 sec) a. use tips of two fingers for thrusts b. finger position same as in infant CPR c. thrusts are downward and quick	
13	Tongue-jaw lift to visualize for foreign body (6-8 sec); avoid blind (nonvisualized) finger sweeps	
14	If foreign body seen: a. finger sweep to remove b. reattempt to ventilate	If foreign body not seen: a. avoid finger sweep b. reattempt to ventilate
15	If ventilation successful: a. deliver 2 ventilations b. each breath 1-1.5 seconds c. check pulse d. provide respiratory support or CPR, as needed	If ventilation unsuccessful: repeat back blows, chest thrusts, visualization, indicated finger sweeps, and ventilation attempts until successful
16	Activate EMS system (call 911): if 2nd rescuer was not available earlier, single rescuer may provide BLS X 1 minute prior to 911 call	

STEP CHILD CPR PROCEDURE (CHILD: 1-8 YEARS OLD)

1	Assess unresponsiveness: shake and shout (4-10 seconds)		
2	Call for help; if 2nd rescuer available activate EMS (call 911)		
3	Place child in a supine, horizontal position on hard surface		
4	Open airway: a. head tilt/chin lift (avoid hyperextension) b. jaw thrust (if neck injury suspected)		
5	Assess breathing: (3-5 sec) a. look for chest movement b. listen for air exchange (ear 1" above mouth) c. feel for air current from mouth		
6	Deliver 2 slow ventilations (1-1.5 seconds each) a. mouth-to-mouth 1. pinch nostrils 2. ventilate just enough to cause chest to rise b. mouth-to-barrier device (if available) c. mouth-to-nose (if mouth trauma or trismus)		
7	Assess pulse: check nearest carotid pulse (5-10 seconds)		
8	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> If no pulse detected: a. bare chest b. landmark check: trace costal arch to xiphoid notch c. same hand on lower third of sternum </td> <td style="width: 50%; vertical-align: top;"> If pulse detected: a. maintain airway b. ventilate 15/min PRN </td> </tr> </table>	If no pulse detected: a. bare chest b. landmark check: trace costal arch to xiphoid notch c. same hand on lower third of sternum	If pulse detected: a. maintain airway b. ventilate 15/min PRN
If no pulse detected: a. bare chest b. landmark check: trace costal arch to xiphoid notch c. same hand on lower third of sternum	If pulse detected: a. maintain airway b. ventilate 15/min PRN		
9	Deliver 5 chest compressions: (3-4 sec) a. heel of one hand only; b. vertical compressions; depth 1-1.5" c. smooth "50/50" compressions d. say mnemonic "one-and, two-and, three-and, ..." e. rate: 100 compressions/minute f. maintain head tilt with one hand while compressing with other		
10	Deliver 1 ventilation (1-1.5 sec) after each compression set: a. head tilt/chin lift with each ventilation b. may pause for ventilation c. visualize rather than re-landmark hand position for compressions		
11	Reassess breathing and pulse (3-5 sec) after the 20th cycle (about 1 min of BLS)		
12	If breathing and pulse absent, deliver 1 ventilation		
13	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> If EMS not yet activated: activate EMS </td> <td style="width: 50%; vertical-align: top;"> If EMS activated: resume cycles of 5 compressions and 1 ventilation </td> </tr> </table>	If EMS not yet activated: activate EMS	If EMS activated: resume cycles of 5 compressions and 1 ventilation
If EMS not yet activated: activate EMS	If EMS activated: resume cycles of 5 compressions and 1 ventilation		
14	Recheck breathing and pulse every 2-3 minutes thereafter		

STEP UNCONSCIOUS CHILD OBSTRUCTED AIRWAY PROCEDURE

1	Assess unresponsiveness: shake and shout (4-10 seconds)	
2	Call for help; if 2nd rescuer available activate EMS (call 911)	
3	Position child in a supine, horizontal position on hard surface	
4	Open airway: head tilt/chin lift (avoid hyperextension)	
5	Assess breathing: look, listen and feel (3-5 seconds)	
6	Attempt to ventilate	
7	Readjust head tilt/chin lift	
8	Reattempt to ventilate	
9	Assume position for Heimlich maneuver: a. smaller children: kneel beside child (don't straddle) b. larger children: straddle hips	
10	Deliver up to 5 Heimlich maneuvers: a. place heel of one hand above umbilicus, but below xiphoid process b. place second hand on top of first c. deliver thrusts inward and upward direction d. thrusts should be quick	
11	Tongue-jaw lift to visualize for foreign body (6-8 sec); avoid blind (nonvisualized) finger sweeps	
12	If foreign body seen: a. finger sweep to remove b. reattempt to ventilate	If foreign body not seen: a. avoid finger sweep b. reattempt to ventilate
13	If ventilation successful: a. deliver 2 ventilations b. each breath 1-1.5 sec c. check pulse d. provide respiratory support or CPR, as needed	If ventilation unsuccessful: repeat Heimlich maneuvers, visualizations, indicated finger sweeps, and ventilation attempts until successful
14	Activate EMS system (call 911): if 2nd rescuer was not available earlier, single rescuer may provide BLS X 1 minute prior to 911 call	

Position Statement on Non-Mandatory Accreditation in Texas

TEXAS EMS ADVISORY COUNCIL MEMBERS and members of the TEMSAC Committee on Allied Health and Accreditation invite your comments on the following position statement and strategies for nonmandatory accreditation.

Please direct your comments to Pam West, Director, EMS Division, Bureau of Emergency Management, Texas Department of Health, 1100 W. 49th Street, Austin, Texas 78756 or fax your comments to West at (512) 834-6740.

POSITION STATEMENT

We concur with the concept of non-mandatory accreditation, with mechanisms in place to ensure availability of accredited programs to each area of Texas, and with incentives to facilitate accreditation.

STRATEGIES

1. Continue improvement of program evaluation through the EMS Education and Training Manual and

staff site visits.

2. Continue information dissemination concerning program evaluation and improvement through *Texas EMS Magazine* articles and regional seminars.
3. Continue simplified course approval procedures for accredited programs.
4. Pursue grants for improvement of audiovisual and computer-aided instruction resources, make them available to small and remote programs, and encourage their use.
5. Monitor development of satellite communications networks and pursue through grant applications the development of education outreach concepts using such resources.
6. Continue develop of mobile classroom concept with System Development Program.
7. Develop a voluntary timeline for program accreditation based on program size, with largest programs first.

By
*TEMSAC Committee
on Allied Health and
Accreditation*

Low cost Hepatitis B vaccine no longer available

The Texas Department of Health can no longer offer lower cost Hepatitis B vaccine to public sector occupational health programs, such as emergency medical services and fire departments. The demand for the vaccine, which had been available through TDH since November, 1991, exceeded the maximum number of doses available to TDH on the federal contract.

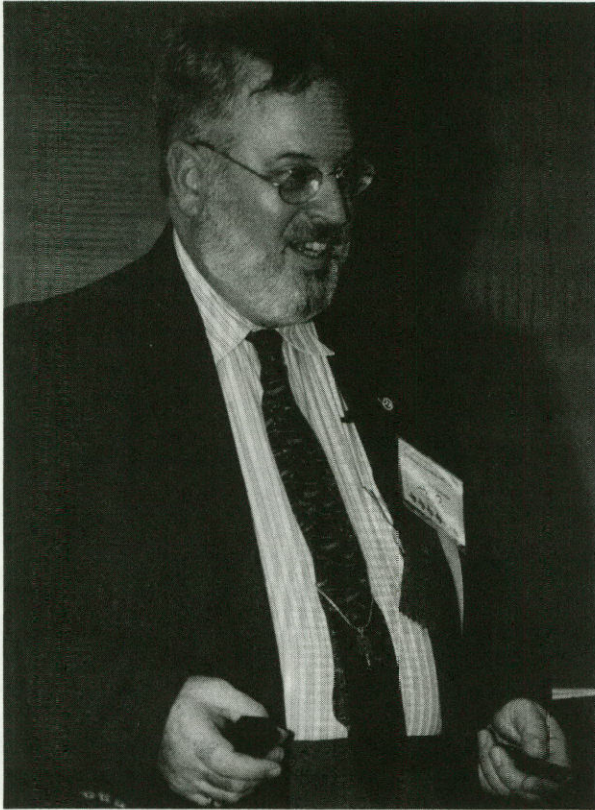
J.M. Keenan, the Immunization Division's adult immunization coordinator, said the supply of Hepatitis B vaccine as of this writing is barely adequate for TDH's own public health program needs. Anticipated contract

limitations, increased state public health demand, and limited storage and shipping capacity contributed to the suspension of the program.

TDH does not anticipate resuming the program that distributed Hepatitis B vaccine to municipal employees, but will fill orders received before December 17, 1992. No new orders will be accepted.

Requests for the Hepatitis B vaccine can be filled by pharmaceutical companies such as Merck Sharp and Dohme at (215) 661-7300 or (800) 926-2702 and Smith Kline Beecham at (215) 751-7506 or (215) 751-4000.

1,200 attend the '92 Texas EMS conference



Dr. Donald J. Gordon, San Antonio Fire Department EMS medical director, was one of 88 presenters at the conference. Gordon will expand his bioethics talk this year in Fort Worth.

By Jan M. Brizendine

PHOTOGRAPHS BY JOHN FAULK

JAN BRIZENDINE COORDINATES THE CONFERENCE EXHIBIT SHOW, LAYS OUT THIS MAGAZINE, EDITS THE CALENDAR, AND WRITES THE OCCASIONAL ARTICLE.

TEXAS EMS CONFERENCE '92 WAS ANOTHER SUCCESS. IF you didn't get to come, you really missed out on great speakers, workshops, food, frivolity and just plain fun! The conference began on Monday, November 23, with a video reenactment of Fort Bend County EMS paramedics saving the life of Dr. Bill Clarke, an emergency physician from Sugarland. The video, with a special message to the conference attendees from Mrs. Clarke, got our conference off to a great start.

Then we chose from 55 workshops over the next two-and-half days. We are so lucky to have had such an outstanding faculty. Some 88 speakers talked about topics ranging from obstetrical emergencies and youth violence to grant writing and critical incident stress debriefing with a little Africanized honeybees and carrot sticks with whipped cream thrown in. You just had to be there to hear Dr. Don Gordon and Dr. Tom Ward talk about these topics! Workshops covered issues of pediatric and medical emergencies, rural and legal concerns, trauma and much, much more. There was a topic on just about anything you could think of that involved EMS.

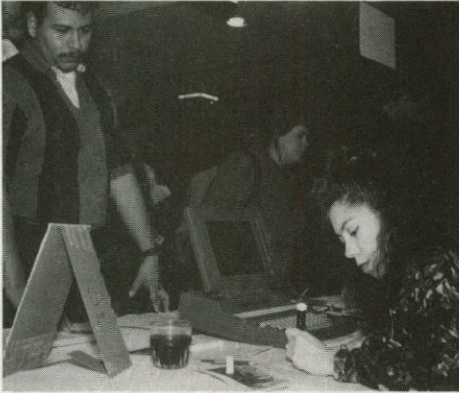
Palmer Auditorium maxed out with our 93 exhibit booths and two helicopters. We had 74 regular booths and 19 vehicle booths. Jerry Lester helped park all the ambulances and at one point thought they would have to make a new door just to get the biggest ambulance we had ever seen inside. It was 30 feet long!

At the awards luncheon at the Hyatt Regency we ate our traditional chicken fried steak and then watched as the Texas Department of Health, Texas Association of Emergency Medical Technicians, and Texas Ambulance Association honored people from around the state with awards. It is always so special to be with all our EMS friends as we recognize outstanding EMS work.

The preconference activities included a rappelling class, golf tournament, instructor training class, coordinator training class, and a prehospital provider pediatric course. I don't know what else you could ask for unless it was a dance and there was one on Tuesday night!

We ended our conference with something unusual

Palmer Auditorium's 20,000 square feet of exhibit space held 74 exhibitor booths, 19 vehicle booths, our 114-picture photo contest, and 1,200 conference registrants who also attended 55 workshops held just upstairs from the exhibit hall.



The Bureau's Cynthia Ochoa helps register folks at the Hyatt Regency before our Sunday evening Welcome Reception and Monday and Tuesday at Palmer Auditorium.

and very special this year—the dedication of the Texas EMS monument to all of Texas EMS. As Bob Koonce closed the conference and sent us all to the health department for the ceremonies, he told everyone in the audience. "You're in the monument. You're the future of EMS."

More than 1,200 people came to the '92 conference, and for the '93 conference in Fort Worth we want those 1,200 and another 1,200 to come. We have a contract with the luxury Radisson Plaza hotel for \$52 rooms, we still have low registration rates, and the conference will again be the three days before Thanksgiving.

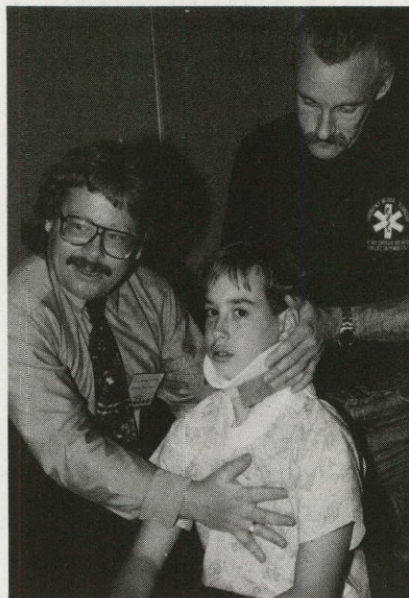
See you on November 22, 23, and 24 in Fort Worth.

The EMS for Children Program sponsored an 8-hour pediatric emergencies fundamentals class. Doug Stevenson of Houston Community College works with a student to immobilize a patient. Children ranging in age from infancy to teenage acted as patients.



Public Health Region 6 EMS Program Administrator Lee Sweeten demonstrates disaster drill makeup on Caroline Schwartz during "Moulage Magic: Put Realism into Your Drills," taught by Sweeten and Jay Garner, Public Health Region 8 EMS Program Administrator.

Farmers Branch Fire Department paramedic Lt. Jim Shires, a member of STAR Rescue, demonstrates to two students how to tie off while rappelling. The students were among 31 in the 8-hour high-angle rescue class. A total of 150 students attended four preconference workshops.



And the winner is...

Texas Department of Health announced its 1992 EMS Awards at the Awards Luncheon on November 24, 1992, in Austin. A call for nominations for EMS Educator, Public Information and Education, Citizen, Volunteer Provider, Public Provider, Private Provider, Administrator, and Medical Director awards brought responses from around the state for dozens of deserving organizations and individuals. Congratulations to these outstanding award winners.

By Kelly D. Harrell

PHOTOGRAPHS BY JOHN FAULK

EMS EDUCATOR AWARD

Jerry Reichel, EMT-P, Emergency Consultants, Inc., West Columbia
Annie Andrus, EMT-P, Presidio EMS

Well-known to many EMS students and emergency personnel in southeast Texas, Jerry Reichel has recruited and trained emergency workers as ECAs, EMTs, and paramedics since 1979. Nominating letters from students described Reichel as energetic, enthusiastic, and professional. Nominating letters said that Reichel asks his students to deliver the highest quality patient care, to appreciate the value of every life, and to continually improve their skills and services.

In 1990, Reichel worked with Public Health Region 4 EMS Administrator Wayne Morris to author an EMT-completion course used as a resource for the final version adopted by the health department in 1991. In addition to serving as a volunteer paramedic with Central EMS and Angleton Area Emergency Corps, Reichel has trained students through his own company, Emergency Consultants, Inc., since 1984.

Annie Andrus has compiled an impressive list of accomplishments during her years as a paramedic. As Director of Presidio EMS for the last three years, Andrus received nominations for "Who's Who in Rising Young Americans" and "2,000 Most Notable Women" for her work in EMS. In the last few years, she trained hundreds of West Texas students in CPR and

emergency medicine, traveling many miles and volunteering countless hours to introduce emergency care to the far-flung communities of West Texas. She also helped communities who could not afford EMS education apply for training grants. Presidio EMS benefitted from several grants due to Andrus' work.

Nominating letters praised Andrus' commitment to EMS and her willingness to do whatever it takes to help people become skilled providers. Nominators also appreciated the high standards Andrus expected of her students, and the time she took with each one to make sure they had excellent skills.

PUBLIC INFORMATION AND EDUCATION AWARD

Thelma Lemley, RN, EMS-C,
City of Houston Health Department,
EMS Program

Mention Ready Teddy in Houston and you might hear another name: Thelma Lemley. Lemley almost singlehandedly lobbied for the acquisition of two of the beamed medic's suits from the Greater Houston EMS Council. Lemley and a crew of volunteers have given the safety message to more than 50,000 children since April, including 12,000 children at AstroWorld. Lemley even took Ready Teddy to meet the City Council during EMS Week, generating enthusiasm for the week that has been absent in years past.

Lemley's newest project brings together an impressive group of representatives from health care, law enforcement, and community organizations to create a presentation for area high schools about the devastating consequences of drinking and driving. The presentation, modeled after the Austin EMS DWI Awareness Program, will soon be finished.

CITIZEN AWARD

Bubba Coston and Sons Concrete,
Paris, Texas

No one has to ask Bubba Coston where he stands on child safety. Coston chose to spread the message by painting "Think Child Safety; It Starts With You" in 14-inch letters on the revolving drums of his fleet of concrete trucks. "Think Child Safety" is an innovative effort to teach safety education to school age children and to make the community aware of the need for responsible supervision. The trucks' message has helped maintain this awareness and constantly reminds travelers to buckle up themselves and their children.

Coston is also Fire Chief of the Reno Volunteer Fire and Rescue Unit and responds to major crashes. For his "Think Child Safety" support and public education efforts, he received the 1992 Citizen Award.

VOLUNTEER PROVIDER AWARD

**Bexar County Volunteer Fire Corps
Company Four**

For 41 years, the volunteers of Bexar County Volunteer Fire Corps



Victoria EMS took the honors for the 1992 Public Provider Award. Accepting the award for VEMS are, from left, Greg Navjar, Roberta Ideus, Harold Irvin, Rafael De La Garza, Bob Koonce, and David Soliz.

Representing Private Provider Award Winner East Texas Medical Center EMS are, from left, Don Elbert, Randy Goode, Ricky Goode, Ed Brando, Gary Dean, Melinda Shelton, Eric Maloy, and Ronnie Goode.



Company Four have answered emergencies outside the San Antonio city limits. And although the area coverage has shrunk from a high of 105 square miles to its present 32 as the city annexed more land, the service still has about 60 volunteers who answer an average of 75 calls per month; 60 percent of those calls are EMS-related. In January of 1992, the service upgraded to Advanced Life Support under the medical direction of Dr. Donald Gordon, who also provides medical direction for other San Antonio-area emergency medical services.

Nominators listed Company Four's high degree of professionalism, the continuing training of personnel, and the services to the community beyond emergency calls, including community education in CPR, child abuse, drug abuse, fire prevention, and Sudden Infant Death Syndrome.

PUBLIC PROVIDER AWARD Victoria EMS

Perhaps it is the broad definition of good patient care that earns Victoria EMS its reputation for excellence: At Victoria EMS, good patient care means community involvement and education as well as emergency care on the scene. Although the service began 21 years ago with firefighters trained as ECAs, Victoria EMS now

employs about 30 EMS personnel. EMS separated from the fire department in 1974. The service makes about seven calls a day from three stations serving the 75,000 citizens of Victoria County.

Training and community education rank high on Victoria EMS' list. The service employs two training officers to ensure that personnel earn sufficient continuing education credit and stay familiar with the latest developments in EMS treatment protocols. Training officers also teach CPR and first aid to all city and county departments.

Victoria EMS counts on two powerful allies in its effort to educate the community: Ready Teddy and Andy the Ambulance. Both introduce the safety message so that it's fun and easily understood, especially by children. Other community outreach programs include DWI Awareness, Drug Awareness, Public Service Announcements, and CPR and first aid classes.

PRIVATE PROVIDER AWARD East Texas Medical Center EMS

The 1992 winner of the Private Provider Award is no stranger to emergency health care in East Texas. East Texas Medical Center EMS covers nearly 7,000 square miles, making it the largest not-for-profit EMS provider in Texas. To put it another way, ETMC EMS serves the second largest EMS coverage area in the nation, an area larger than the state of Connecticut. Only Acadian EMS in Louisiana encompasses a larger area. The service's 47 ambulances, all MICU capable, respond to more than 35,000 calls every year. The many letters of support praised the ETMC EMS commitment to excellence and the high quality of patient care.

The service began renovating its headquarters last fall. When finished

in early spring, the 25,000 square foot building will house administrative offices, a theater-style classroom, and living areas. Also to be installed is a new computer dispatch system which tracks via satellite the location of each ambulance in the 13-county service area. ETMC EMS also trains First Responders, rescue squads, and volunteer firefighters to serve in emergencies before the ETMC EMS paramedics arrive.

EMS ADMINISTRATOR AWARD
Jim Moshinskie, PhD, EMT-P

Jim Moshinskie, Program Director for EMS Education at Scott & White Memorial Hospital in Temple, will never be one to let technology pass him by. In fact, he's jumped to the front of the computer technology bandwagon by pioneering techniques in computer-aided instruction for EMS personnel. Moshinskie uses computers to teach initial certification and continuing education.

Originally from Waxahachie, Moshinskie came to Temple three years ago from Waco, where he was director of Daniel EMS for five years. Since coming to Scott and White, he completed his doctorate in education at Texas A&M.

MEDICAL DIRECTOR AWARD
Blake Berry, MD

Blake Berry was surprised when he won the Medical Director Award, but to the people who work with him it was a well-deserved honor. Berry does an outstanding job as medical director of Fort Bend County EMS and the City of La Porte.

Berry moved to Fort Bend County in 1984 after eight years as an emergency room

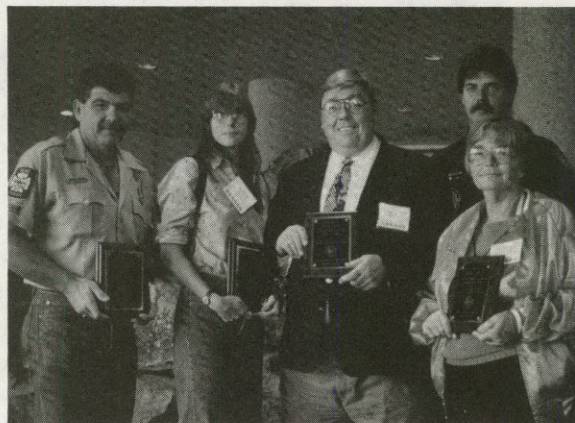
physician in Oklahoma. In addition to working for Fort Bend and La Porte, Berry also works in the emergency room at several Houston-area hospitals, and teaches paramedicine at San Jacinto College.

Berry's innovative and aggressive medical direction keep Fort Bend paramedics at the top of their skill levels. Paramedics regularly test on megacodes and standing orders, which include administration of morphine for pain and to clear fluid in congestive heart failure, external heart pacing, pediatric intraosseous infusion, pneumothorax decompression, and treating asthma with Proventil.

Texas Health and Human Services Commissioner Richard Ladd and Texas Department of Health Commissioner David R. Smith, MD, assisted Bureau Chief Gene Weatherall in presenting award plaques to the winners.

Weatherall also gave two special awards at the ceremony: one thanking Jan Brizendine for her design of the conference logo and another to Victoria College's Scott Bolleter for his support of the EMS for Children instructor training programs.

Joe Kacal of Fort Bend County received the Bureau Chief's Award from Weatherall later in the conference for his design of the Texas EMS Monument.



Texas Department of Health 1992 award winners are, from left, Bubba Coston, Citizen Award; Annie Andrus, Educator Award; Blake Berry, MD, Medical Director Award; Alan Chaisson, Bexar County Volunteer Fire Corps, Volunteer Provider Award; and Thelma Lemley, RN, Public Information and Education Award.

Texas Ambulance Association vice president Joe Huffman, left, and TAA president Faye Thomas present TAA Executive Director Ron Beaupre with an award for his contributions to the association.



TEXAS AMBULANCE ASSOCIATION presented its annual award to Ron Beaupre, Director of the Texas Ambulance Association. The award is given each year to one person who has done significant work for the 100-member association. Beaupre, a native of Minnesota, has directed the association since 1983. The Texas Ambulance Association works to improve the emergency medical services industry. -Kelly D. Harrell

TDH Shares Texas EMS Conference Success With TAEMT

*By Sherrie C. Wilson
President,
Texas Association of
EMTs*

Texas EMS Conference '92 was without a doubt the biggest success it has ever been. Texas Association of EMTs gained more than 100 new members and renewals during the three days in Austin. Your TAEMT Board of Directors worked enthusiastically alongside the Texas Department of Health Conference Committee this year. Monday night TAEMT hosted a reception with food and a cash bar. Entertainment included appreciation certificates for all your Board of Directors and the infamous Valsalva Bowl. Congratulations goes out to BTLs of Scott & White, Temple, Texas, who won first place in the Valsalva Bowl. You did a great job! A big "thank you" goes out to Doug Key, our moderator; Jerry Reichel, of the Educators Society, who coordinated the event; and Pro-Med for sponsoring the trophies. Emergency Management Resources hosted the President's Hospitality Suite right after the reception and people were wall-to-wall in the room and lined the hallways. We laughed, shared, and a few of us even sang and played the guitar. It was a wonderful time visiting and networking with everyone.

The Awards Banquet was wonderful. Texas Department of Health outdid themselves again. TAEMT presented seven awards and congratulations go out to all the EMS personnel and Systems of the Year: ECA - Kim McDowell, Mary Kay Cosmetics; EMT - Richard Mapes, Harris County Emergency Corps; EMT-I - Joey Ancelet, Diamond EMS; EMT-P - Royce Worrell, Kingwood Area EMS; EMS Dispatcher - Charlotte "Sue" Atchley; BLS System - Parker Volunteer Fire Department; ALS System - Montgomery County Medical Center Hospital; Presidential Leadership Gene Weatherall, Chief, Bureau of Emergency Management, Texas Department of Health.

The banquet was attended by nearly twelve hundred people and included state commissioners, state representatives and board of health members. They seemed impressed by the dedication shown by EMS personnel and they saluted all and offered us their support.

It was an exciting and memorable experience.

More than \$1,000 was raised by the association for the Sam Morales Trust Fund at the conference. Sam is a West Texas medic who has cancer and is in need of help. A check will be delivered to Sam during the month of January. EMS people constantly amaze me because they continue to give even when off duty and having fun. I thank you and so does Sam.

After a successful event like this one, I can't help but reflect back, not so long ago, when things were not so great for our association. Today, I thank God for a motivated Board of Directors and the positive support of members. We at TAEMT have much to be thankful for and many to thank.

A salute goes to the following individuals and organizations for helping make TAEMT the strong association it is today and for making the Texas EMS Conference the best ever:

Gene Weatherall, Chief, Bureau of Emergency Management; Alana Mallard, Conference Coordinator, Bureau of Emergency Management; the entire staff of the Texas Department of Health's Bureau of Emergency Management; all vendors at the 1992 Conference; new TAEMT members; Texas State Technical College, Sweetwater, Texas: TAEMT believes that the power to fulfill our dreams as professionals is within us. We accept the responsibility to shape our professional lives. We are here to serve you. Come and be a part of the first and the best EMT association in the great state of Texas!

Congratulations to these winners of the 1992 EMS Photo Contest

Grand Prize Winners

*Joe Gonzalez, Beaumont
Sydney Wooten, Adkins
Linda Gheen, Dallas*

Honorable Mention Winners

*Tim Hunter, Victoria
Linda Stewart, Vernon
Mark McClendon, Uvalde (2)
Linda Stewart, Vernon
Melinda Shelton, Tyler
Ron Barker, Mount Pleasant
Robert Reed, New Braunfels (2)
Kenny Jones, Amarillo (2)
Sharon Sager-Mathis, Burleson
Linda Gheen, Dallas (2)
Rick Davis, Austin*

People's Choice Winner

Robert Reed, New Braunfels

And thanks to the many EMS and newspaper photographers who submitted their 114 photographs for judging in the fifth annual EMS Photo Contest sponsored by the Bureau of Emergency Management during the Texas EMS Conference.



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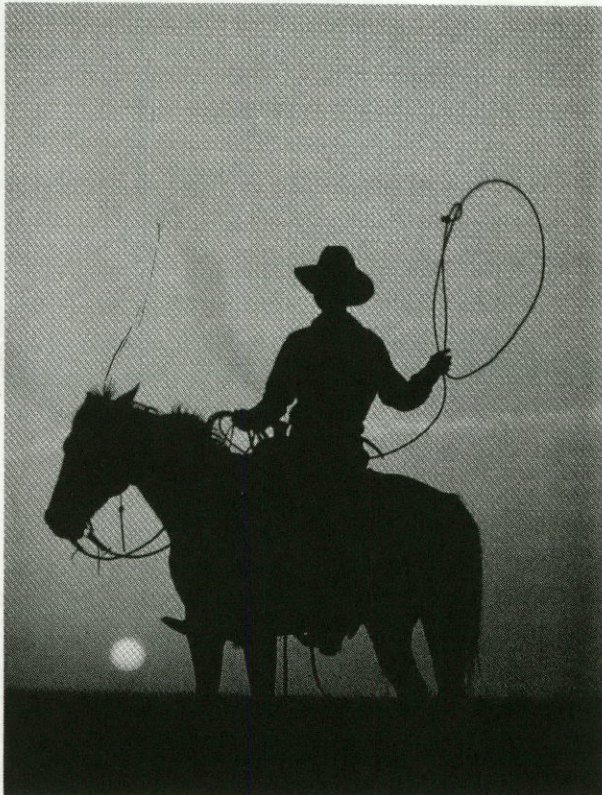
- Deputy Chiefs
- Battalion Chiefs
- EMS Managers
- Company Officers

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TEXAS EMS CONFERENCE '93

-- The National EMS Conference of Texas
November 22, 23, and 24, 1993



Get ready now, because as they say in Texas, we're fixing to move the conference. Next year in November we'll be going to the north Texas home of cowboys and culture — Fort Worth.

Texas EMS Conference '93, the eighth annual EMS educational meeting sponsored by Texas Department of Health, takes on a national flavor as we move north to Texas' transportation hub and the heaviest population concentration in mid-America, the

EXHIBITORS

1993 Texas EMS Conference Exhibitor Registration Form

Make check to: **Texas Health Foundation**
Mail to: Texas EMS Conference '93
P.O. Box 26399
Austin, Texas 78755-0399

Call Jan Brizendine at (512) 834-6740 for exhibitor details.

Firm Name _____ \$450 through 11/1/93
Representative's Name _____ \$550 after 11/1/93
_____ no refund after 11/1/93
_____ Phone _____ Date _____
Address _____ Enclosed \$ _____
City _____ State _____ Zip _____
Type of business/products _____
How many booths? _____ Ambulance space? _____ Electrical power? _____

Dallas/Fort Worth Metroplex.

The beautiful Fort Worth/Tarrant County Convention Center located in the heart of Fort Worth offers a luxurious 3,055-seat theater for general sessions featuring Texas' nationally known EMS faculty. And we'll try to bring a few displaced Texans back home from Florida, California, Alaska, Arkansas, and Washington, DC, to give keynotes, workshops, and preconference sessions.

At the Fort Worth/Tarrant County Convention Center we'll have four times as much space for workshop breakout rooms and twice as much Exhibit Show space. It's all on one level with the exhibits area completely separated from general session and workshop areas, and exhibitors will move in the Sunday before the conference. All the comfortable room we need for prehospital professionals who want to hear from the nation's leading EMS educators and see exhibitors from all over the United States who show the newest technology and educational developments.

Conference registrants will stay at the luxurious Radisson Plaza hotel across the street from the convention center. Call (817) 870-2100 to make your hotel reservation now — \$52 single or double.

November 22-24, 1993, Fort Worth, Texas — it's the EMS place to be. Join us again for outstanding education in luxurious surroundings at an affordable price. - Alana S. Mallard

Use these coupons to register now at the special conference rate for 1993. Call (512) 834-6740 for information about the conference. Read the Texas EMS Magazine for complete information about Texas EMS Conference '93 activities.

Texas EMS Conference '93 Registration Form

I'm coming to Fort Worth — Here's my \$50

Date _____ \$50 through 3/1/93

\$60 after 3/1/93

\$80 after 11/1/93

Enclosed \$ _____ no refund after 11/1/93

Make check to: **Texas Health Foundation**
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PO Box 26399
Austin, Texas 78755-0399

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Texas EMS

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M

Did you read... By Paul Tabor, EMT-P

The back of an ambulance is a hostile environment in an accident. One unbelted medic who was in the jump seat at the head of the cot was thrown from the ambulance when the unit rolled over.

According to Jeff Clawson, MD, "there has never been a lawsuit against a trained emergency medical dispatcher or an EMS system using medical priority dispatch in either the U.S. or Canada."

The International Association of Trauma Counselors (IATC) is a new group focusing on promoting awareness of the effects of trauma and the pursuit of recovery.

On a Saturday morning an ambulance was called to transport a high-risk OB patient to a higher level OB facility for delivery. A young physician who had recently completed her OB residency training was in the patient compartment to assist the medic with this high-risk case.

About halfway to the higher level facility a deer ran in front of the ambulance. The driver swerved to avoid a collision, the wheels hit a low shoulder and the unit rolled over several times. The driver was belted, but it took about 20 minutes to remove wreckage from around her so she could be extricated.

The medic in the back was in the jump seat at the head of the cot, unbelted, and was thrown from the ambulance. Both medics received serious injuries. The physician was between the squad bench and cot attending the patient. She sustained multiple trauma and spinal cord damage at L-2 level. The outlook for a full recovery of the use of her legs is still in question.

The patient was belted to the stretcher. The stretcher and patient remained secure and she received only a minor arm injury. The baby was okay at birth.

While there may be several lessons from this story, a major one would be that the back of an ambulance is a hostile environment in an accident. When at all possible, establish patient care methodology that allows you to be seated and belted and assure that miscellaneous equipment is properly secured during transport.

Emergency Medical Services South Carolina, "It Happened in South Caro-

lina, Part One," John Zirkle, 4th quarter, 1992.

According to Jeff Clawson, MD, "there has never been a lawsuit against a trained emergency medical dispatcher or an EMS system using medical priority dispatch in either the U.S. or Canada. There are at least 20 suits pending against services for failing to provide pre-arrival instructions, lack of training and negligent performance of dispatchers." Liability from not providing EMD is a more significant concern for modern EMS systems.

Management Focus, "Fire Dispatch EMD Liability Concerns Changing," Spring/Summer, 1992.

Leaders in trauma treatment have recently founded an organization for trauma counselors. The International Association of Trauma Counselors (IATC) is a new group focusing on promoting awareness of the effects of trauma and the pursuit of recovery, on forming a link for trauma counselors throughout the world, and on organizing and supporting local chapters.

For further information, contact IATC, 4131 Spicewood Springs Road, Suite G-6, Austin, Texas 78759.

EMphasis on Emergency Medicine in Texas, July, 1992.

Did you read about the bicycle paramedics who are used on such occasions as run/walk events on city streets, open air malls, large parks with lots of activity, outdoor rock concerts, etc.?

Rescue, "Pedalmedics," Jeff Lucia, September/October, 1992.

A triage nurse was arrested July 22 and charged with refusing to treat a patient who was brought to the ED of the Interfaith Medical Center in Brooklyn, NY, last October, and charged with a misdemeanor health-law violation. A hospital spokesman said the New York City EMS crew was instructed to take the patient to another Interfaith facility approximately 12 blocks away but the patient was taken instead to another site where he had been seen regularly. The patient was resuscitated between the two facilities and died in the second facility after being resuscitated twice more.

JEMS, "News in Brief," September, 1992.

The nation's first statewide bicycle helmet law took effect in New Jersey on July 1.

JEMS, "News in Brief," September, 1992.

A pair of bloody gloves allegedly left at a scene by emergency responders in Odessa, Texas, may have exposed several children to the AIDS virus. An Odessa attorney has filed suit claiming that the parents of three preschool children deserve \$2 million to compensate for medical expenses and mental anguish while they wait to discover whether their children are HIV positive. The children found the gloves outside an apartment where an IV-drug abuser died of an overdose May 17; the children apparently tried to inflate the gloves with their mouths as they had seen someone in an emergency room do. The kids thought they were balloons. It is unknown if the gloves came from the fire department, the ambulance department or a funeral home.

JEMS, "News in Brief," September, 1992.

The average mother who holds a job outside the home works an 84-hour week.

Quoted from *PR News in Communicator* (New Mexico EMS Region III), November/December, 1992.

The couch-potato lifestyle is responsible for more than 200,000 preventable deaths each year, according to the Centers for Disease Control in Atlanta. *Communicator* (New Mexico EMS Region III), November/December, 1992.

Nearly one out of three Americans say not having enough hours in a day to get everything done is a major cause of personal stress.

Quoted from *Men's Health in Communicator* (New Mexico EMS Region III), November/December, 1992.

Monday is the most dangerous heart-attack day for men; Saturday is the second riskiest.

The human brain consumes the equivalent of 250 M&Ms worth of sugar daily.

Safety experts say accidents due to human error are most likely to occur between 2 and 7 am and 2 and 5 pm.

Lawyers, secretaries and some types of teachers are most likely to suffer from major depression according to a Johns Hopkins study.

The more money you make, the more likely you are to exercise.

Baby-boomers are four to five times more likely to be depressed than other people, according to a study at Cornell University Medical College.

Every minute, 300 million cells in your body die and are replaced immediately by the division of living cells.

Communicator (New Mexico EMS Region III), "Did 'Ya Know...," November/December, 1992.

A pair of bloody gloves that was allegedly left at a scene by emergency responders in Odessa, Texas, may have exposed several children to the AIDS virus.

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Monday is the most dangerous heart-attack day for men; Saturday is the second riskiest.

Citations used with permission.

Tips for getting your application processed faster

By Philip Lockwood

November through January is always the busiest processing period for EMS certifications. Coordinators and all candidates should be aware that applicants control their own destiny when it comes to quicker processing of their applications. Traditionally, the following problems slow down certification, and can easily be prevented.

COMPLETENESS IS NEXT TO GODLINESS Incomplete applications will be returned to the candidate. Failure to enter signature, date, date of birth, or an answer to the criminal conviction question are the most frequently overlooked spots. Also remember to complete the bottom, or receipt portion of the application.

"BUBBA" NOT SPOKEN HERE

Correspondence sent to our program should include your real name and Social Security number. Include your first name even if you go by your middle name. Nicknames are not acceptable.

RESIST THE TEMPTATION TO LET YOUR FINGERS DO THE WALKING We do not give out grades by phone. Please resist the temptation to call before 30 days past test date.

However, if you have not received written test results within 30 days of your test date, then you should call. Although our average turn-around time hovers around 16 days, our deadline for notification can be up to 30 days after test date.

OUT-OF-STATE YOUR INTENTIONS EARLY EMS firms thinking about hiring out-of-state EMS personnel should inform prospective employees that it takes approximately eight weeks to complete the entire process of documentation and verification for reciprocity certification. The candidate for reciprocity certification should begin the process by requesting and submitting the application early.

RECERTIFICATION REMINDER All recertifying candidates are reminded to refer to the new recertification procedures outlined in the November issue of *Texas EMS Magazine*. Briefly, a summary of the changes are as follows.

Early application. Candidates ap-

plying for recertification more than 180 days prior to certification expiration must complete all requirements within 90 days of application postmark date.

Timely application. The four-year certification will be added to existing certification for candidates who apply for and complete all requirements for recertification within the six-month window prior to certification expiration.

Late application. The four-year certification will begin the day following the existing certificate for candidates who apply before certification expiration, but do not complete all requirements until after, but within 90 days after, certification expires.

NATIONAL REGISTRY CONTACTS We receive many calls for National Registry information. We are not affiliated with them, so we must refer calls to their national office in Ohio, or local representatives. Call one of the following for more information. TEXAS: Steve Marshall (806) 378-6061, Paul Mras (409) 361-3745, William Butler (210) 614-6074. NATIONAL: Charles Hooks (713) 440-9650, Rob Wagoner (614) 888-4484.

FIRST RESPONDER ORGANIZATION REGISTRATION REMINDER All First Responder Organizations are reminded that registration is now required for groups who routinely respond to emergency medical situations but do not transport patients. This rule was highlighted in the December/January issue of the *Texas EMS Magazine*, but basic requirements call for an application, and an accompanying letter of agreement with the transporting provider, and that some, if not all, members be certified by TDH. There is no fee and registration is for two years. Contact the EMS Certification office at (512) 834-6740 for an application form.

EMS Certification Test Results

April - September, 1992

From April 1 through September 30, 1992, 499 classes tested across the state.

Region	School Type	Class ID	Class Size	Exam Average	Month	Coordinator
1	Independent	862415	10	89.00	Sep	McGowan
5	Fire Department	855401	11	88.91	Apr	McCoy
6	Independent	211408	16	88.13	May	Hare
1	Independent	861467	10	88.00	May	McGowan
1		002036	12	87.00	Jul	Frick
1	Fire Department	511427	21	86.95	Apr	Frick
1	Independent	192438	10	86.60	Aug	Titsworth
1	Independent	601470	12	86.50	Aug	McGowan
8	Independent	520412	10	86.40	Aug	Rinard
5	Fire Department	503403	19	85.58	Jul	Erwin
1	EMS Service	151461	18	85.00	May	Southerland
3	Jr. College	011144	11	84.91	Jul	Brown
6	Independent	531411	12	84.83	Jul	Derrick
5	Jr. College	011402	13	84.31	Sep	Sawson
1	EMS Service	061452	11	84.18	May	Moyer
1	Independent	911433	18	84.11	Apr	Plumlee
4	Independent	223123	10	84.00	Apr	Reichel
4	Independent	382179	21	83.90	May	England
4	Independent	223191	13	82.92	Sep	Reichel
1	EMS	011459	11	82.73	May	Gomez
4	Independent	262175	12	82.50	Jun	Tyson
4	Independent	303188	14	82.43	Sep	Waites
3	Independent	751459	10	82.20	Jul	Younger
4	Independent	223157	13	81.85	Jun	Reichel
6	Sr. College	011404	14	81.57	Jun	Bell
4	Independent	223151	20	80.70	Jun	Reichel
6	Independent	511407	11	80.55	May	FincheR
4	Independent	032194	16	80.38	Jun	Reichel
6	Independent	261406	10	80.00	May	Madden
4	Jr. College	092113	12	79.67	May	Voskamp
5	Independent	433406	19	78.53	Sep	Wilson
4	Independent	412219	14	78.43	Jun	Holt
4	Independent	223190	11	78.18	Aug	Reichel
1	Independent	851447	12	78.00	Apr	Mahlen
4	Independent	382193	10	78.00	Jul	England
5	Independent	282401	12	77.50	Jul	Feagley
5	Fire Department	282401	11	76.36	May	Wirt
5	Independent	433404	10	76.20	May	Wilson
8	EMS 5	70101	11	75.64	May	Mitchell
5	Independent	362401	13	75.08	Jun	Tanner
4	Jr. College	103126	14	74.14	May	Gaines
4	Independent	223189	13	73.85	Jul	Reichel
4	Independent	183227	13	72.62	Jul	Meyn

Emergency Care Attendant

Averages listed here are for ECA classes of 10 or more.

Average grade during this period for all ECA testing: 81.

Emergency Medical Technician

Averages listed here are for EMT classes of 10 or more.

Average grade during this period for all EMT testing: 82.

Region	School Type	Class ID	Class Size	Exam Average	Month	Coordinator
3	Fire Department	011315	35	94.51	Jul	Celaya
8	Fire Department	510312	16	94.50	Aug	Mitchell
1	Fire Department	511328	11	93.27	Jun	Frick
2	Fire Department	012311	11	91.55	Apr	Amerson
2	Hospital	012307	10	91.50	May	Clement
1	Independent	721321	17	90.65	May	Black
1	Independent	722318	10	90.00	Aug	Black
4	Jr. College	052101	21	90.00	Jul	Hatch
5	Fire Department	011302	15	89.87	May	Lindahl
1	Independent	722321	19	89.32	Aug	Black
5	Fire Department	252301	10	89.10	Jul	Smith
5	Jr. College	423301	13	88.92	Sep	Roberts
3	Fire Department	333309	13	88.69	Jul	Barnett
6	Sr. College	011385	34	88.68	Jun	Garoni
3	Jr. College	022331	11	88.45	Jul	Howard
5	Fire Department	242302	23	88.09	May	Murray
6	Sr. College	011306	15	87.93	May	Garoni
2	Jr. College	032301	21	87.90	Apr	Giesler
1	Independent	531332	17	87.76	May	Tilson
4	Jr. College	052095	11	87.73	Apr	Hatch
6	Sr. College	011309	18	87.72	Sep	Garoni
4	Jr. College	052099	17	87.71	Jun	Hatch
4	Jr. College	032046	21	87.62	May	Waites
2	Fire Department	012403	11	87.55	Apr	Eubank
4	Jr. College	052100	21	87.48	Jul	Hatch
5	Sr. College	011302	21	87.29	Sep	Lundin
5	Jr. College	413302	12	87.00	Sep	Pickard
5	Fire Department	242303	19	87.00	Apr	Murray
1	Independent	832302	13	87.00	Aug	Kitzmiller
1	Independent	771382	18	86.94	Aug	Cook
5	Jr. College	202303	15	86.93	May	McDonald
5	Independent	011301	11	86.91	Apr	Petty
5	Independent	011303	17	86.88	May	Petty
5	Sr. College	011301	31	86.87	Apr	McMullen
6	Sr. College	011308	24	86.83	Jun	Garoni
4	Jr. College	052098	18	86.83	Aug	Hatch
1	Independent	831320	23	86.74	May	Kitzmiller
2	Sr. College	013302	25	86.72	Aug	Coker
4	Jr. College	052096	25	86.64	Apr	Hatch
7	Jr. College	055301	34	86.59	Jun	Erwin
1		003304	23	86.52	Apr	Frick
4	Jr. College	053086	23	86.39	May	Tyson
3	Jr. College	011305	10	86.30	May	Brown
1	Jr. College	052335	13	86.23	Sep	William
1	Independent	761204	23	86.22	Sep	Crutsinger
4	Independent	402159	17	85.71	Jul	Claybar
1	Sr. College	021326	23	85.61	May	Mormino
4	Jr. College	103235	10	85.60	Sep	Gaines
8	Fire Department	269316	11	85.45	Sep	Espinola
7	Hospital	085312	11	85.45	Jun	Waid
4	Independent	213220	14	85.45	Aug	Ogden
1	EMS	151373	11	85.36	Jul	Paine

4	Jr. College	132118	17	85.29	May	Hamilton
5	Jr. College	202302	43	85.16	May	McDonald
1	Independent	832303	12	85.00	Jul	Kitzmiller
4	Jr. College	122244	12	84.92	Sep	Brant
8	EMS	117305	18	84.89	Jul	Reger
4	Jr. College	053087	19	84.84	May	Tyson
2	Jr. College	012313	11	84.73	Sep	Whitfield
2	Jr. College	012324	20	84.65	Aug	Whitfield
4	Independent	352149	11	84.64	Sep	Hamilton
7	Fire Department	165308	12	84.58	May	Clark
5	Independent	011302	16	84.44	May	Petty
1	Independent	781357	12	84.42	Apr	Mersiovsky
3	EMS	312304	14	84.36	May	Falkner
6	Jr. College	021313	19	84.26	Jun	Rakowitz
1	Fire Department	042401	24	84.17	Aug	Pechal
5	Fire Department	282301	13	84.15	May	Wirt
4	Independent	322092	18	84.00	Apr	Pitts
5	Sr. College	212302	28	83.89	May	Koonce
1	Independent	552308	12	83.75	Sep	Watson
7	Hospital	036331	11	83.64	Sep	Oatley
4	Jr. College	053202	24	83.58	Sep	Stevenson
1	EMS	091211	10	83.40	Apr	Lehrman
4	Jr. College	052097	24	83.38	May	Hatch
5	Jr. College	423302	16	83.38	May	Roberts
5	Hospital	403301	32	83.34	May	Sherard
5	Fire Department	041301	26	83.31	Sep	Duggan
4	Jr. College	112221	17	82.82	Sep	Hill
4	Independent	172125	22	82.82	May	Mahalitic
4	Jr. College	034042	14	82.79	May	Hatch
4	Jr. College	112146	23	82.74	Apr	Hill
5	Jr. College	413301	26	82.62	Sep	Pickard
5	EMS	362301	18	82.56	Sep	McGinley
2	Jr. College	012305	13	82.54	May	Whitfield
4	Jr. College	103237	10	82.50	Sep	Gaines
4	Jr. College	053088	17	82.47	May	Tyson
5	Jr. College	021302	29	82.41	May	Jones
4	Jr. College	052147	20	82.30	Sep	Stevenson
2	Hospital	012308	15	82.27	Jun	Aldrich
5	Jr. College	814301	13	82.23	Apr	Garcia
5	Sr. College	232301	24	82.21	May	Murray
3	Jr. College	042307	11	82.18	May	Lewis
3	Independent	751347	12	82.17	Sep	Younger
5	Jr. College	202304	27	82.04	May	McDonald
2	Jr. College	012320	30	81.97	Jul	Whitfield
8	Jr. College	520246	20	81.85	Apr	Coker
5	Fire Department	262301	28	81.71	Apr	Peacock
5	Jr. College	011304	12	81.67	May	VanSant
4	Jr. College	053355	17	81.53	Sep	Tyson
7	Hospital	016319	11	81.45	Jul	McDonald
1	Jr. College	031355	16	81.44	May	William
4	Jr. College	103077	18	81.39	Jun	Gaines
5	Fire Department	031302	36	81.36	Jun	Young
8	Jr. College	510307	11	81.27	Sep	Gonzales
1	Fire Department	062310	15	81.20	Sep	Thompson
2	EMS	102327	11	81.18	Sep	Kingery
8	Jr. College	271309	12	81.17	Sep	Robles

Emergency Medical Technician (con't)

Emergency Medical Technician (con't)

4	Independent	182155	16	81.13	May	Meyn
4	Jr. College	112225	16	81.06	Sep	Hill
6	Independent	211312	18	81.06	Apr	Hare
2	EMS	203310	14	81.00	Aug	Reeves
4	Jr. College	053089	10	80.90	Sep	Tyson
1	Independent	891356	20	80.80	May	Parton
4	Jr. College	013135	18	80.72	Aug	Sweatt
1	Hospital	011207	16	80.56	Jun	Moshinskie
1	EMS	571348	13	80.54	May	Davis
8	Jr. College	271303	10	80.50	May	Robles
7	EMS	104301	17	80.47	Apr	Anderson
7	Jr. College	076304	24	80.33	May	Gandy
1	EMS	041351	16	80.25	Aug	Holzman
7	Independent	024310	14	80.21	Jun	Anderson
5	Jr. College	011307	13	80.08	May	VanSant
5	Hospital	473301	14	80.07	Jul	Mount
3	Jr. College	011301	14	80.07	May	Brown
1	Jr. College	031350	20	80.05	Sep	William
4	Hospital	022040	12	80.00	Apr	Olexa
1	Independent	601314	20	79.80	Apr	Sneed
1	Fire Department	011312	29	79.76	Sep	Seals
5	Jr. College	814302	10	79.70	Sep	Bradshaw
5	Jr. College	222301	12	79.58	Sep	Reynolds
2	Jr. College	012314	14	79.50	Jun	Whitfield
5	Independent	332302	15	79.47	Sep	Murray
4	Jr. College	053203	22	79.45	Aug	Stevenson
4	Jr. College	032128	10	79.40	May	Waites
		891366	11	79.36	Jul	McGowan
3	Jr. College	011306	12	79.33	May	Brown
4	Jr. College	113112	15	79.27	Jul	Hill
4	Jr. College	103076	16	79.06	Jun	Gaines
5	Hospital	403303	20	79.05	Sep	Sherard
7	Fire Department	186321	17	78.71	Sep	Lowery
4	Jr. College	053132	14	78.57	May	Stevenson
2	Jr. College	012306	17	78.41	May	Croy
7	Jr. College	014303	10	78.30	May	Howland
4	Jr. College	103075	14	78.29	Jul	Gaines
7	Jr. College	026305	36	78.17	May	Lowery
3	Hospital	233305	14	77.93	May	Clark
3	Jr. College	022301	27	77.67	May	Martin
1	Independent	602319	13	77.54	Aug	Sneed
5	Fire Department	021301	11	77.45	Sep	Thomason
3	Jr. College	022344	17	77.29	Aug	Martin
1	EMS	051325	24	77.25	Apr	Harper
2	EMS	142304	10	77.20	Apr	Davis
8	Fire Department	761317	13	77.08	Jun	Rubio
6	Independent	302315	13	77.08	Jul	Saldana
7	Hospital	016313	11	76.45	Sep	McDonald
5	Jr. College	804301	10	76.40	Jul	Vinson
4	Jr. College	113107	10	76.40	Apr	Hill
4	Jr. College	113110	18	76.28	Aug	Hill
7	Hospital	056317	18	76.28	Aug	Kelley
5	Jr. College	814303	15	76.20	Sep	McCarty
4	Jr. College	103236	16	76.13	Sep	Gaines
3	Fire Department	182311	10	76.10	May	Underwood
4	Jr. College	063148	19	76.05	Jun	Gooley

Emergency Medical Technician (con't)

4	Jr. College	032050	11	75.82		Waites
6	Jr. College	021316	12	75.42	Apr	Rakowitz
7	Fire Department	106309	14	75.36	Jun	Russell
3	Independent	072319	11	75.18	Jun	Shanks
3	Jr. College	032306	19	75.00	Aug	Davidson
5	Jr. College	825303	16	74.81	Jun	Wade
5	Jr. College	011303	11	73.91	Jun	VanSant
4	Jr. College	032049	11	73.64	Apr	Waites
3	EMS	362318	10	73.60	Jun	Stallar
4	Jr. College	032183	11	73.00	Sep	Eubanks
8	Jr. College	281313	11	72.64	May	Anderson
2	Jr. College	012315	13	72.31	Sep	Whitfield
8	Jr. College	291324	10	72.10	Aug	Anderson
1	Independent	601363	20	70.70	Aug	Sneed
8	Jr. College	291314	14	67.93	May	Anderson

Region	School Type	Class ID	Class Size	Exam Average	Month	Coordinator
4	Jr. College	054129	21	87.71	Aug	Stevenson
4	Jr. College	124211	12	87.50	Sep	Brant
6	Independent	261204	13	87.15	Sep	Madden
8	EMS	117202	13	86.38	Jun	Reger
7	Jr. College	076205	14	86.00	Jun	Gandy
5	Jr. College	423201	12	85.92	May	Roberts
4	Jr. College	124061	20	84.95	Jun	Brant
5	Hospital	614201	21	84.52	May	Tippie
4	Independent	324093	12	84.33	May	Pitts
2	Jr. College	011204	18	84.06	May	Croy
4	Jr. College	114057	10	84.00	Jun	Hill
5	Jr. College	615201	13	83.85	Jul	Meeks
4	Jr. College	114206	17	83.76	Sep	Hill
4	Jr. College	024053	16	83.75	Jun	Holt
3	Jr. College	011200	13	83.23	May	Brown
5	Hospital	332201	19	82.32	Sep	Murray
7	Jr. College	076218	12	82.00	Aug	Gandy
7	Jr. College	014207	12	81.33	Jul	Wilkerson
4	Jr. College	114056	20	81.30	Jul	Hill
3	EMS	382228	10	81.20	Aug	Taylor
4	Jr. College	094059	16	81.13	Aug	Voskamp
1	Independent	041229	12	81.08	Jul	William
1	Fire Department	561215	14	80.93	Aug	Sneed
4	Jr. College	104078	13	80.77	Jul	Gaines
4	Jr. College	064162	10	80.70	Jun	Gooley
7	Independent	024214	10	80.60	Aug	Anderson
7	Jr. College	026206	12	80.42	Jun	Lanier
5	Jr. College	413202	15	80.33	June	Pickard
7	Independent	024204	13	79.38	May	Anderson
8	Jr. College	271203	17	79.24	Sep	Robles
5	Hospital	604201	12	77.58	May	Wright
4	Jr. College	104079	16	75.56	Jul	Gaines
8	Jr. College	271209	11	73.09	Apr	Robles

Emergency Medical Technician- Intermediate

Averages listed here are for EMT-I classes of 10 or more.

Average grade during this period for all EMT-I testing: 82.

Emergency Medical Technician- Paramedic

Averages listed here are for EMT-P classes of 10 or more.

Average grade during this period for all EMT-P testing: 82.

Region	School Type	Class ID	Class Size	Exam Average	Month	Coordinator
4	Jr. College	054030	12	87.88	Jul	Stevenson
8	Fire Department	510107	10	87.20	Sep	Mitchell
1	Independent	991196	10	86.65	Jul	McNeely
5	Sr. College	011101	37	85.72	May	Auerbach
4	Jr. College	054106	20	85.42	Jul	Hatch
5	Sr. College	011102	34	85.28	Sep	Goodykoontz
4	Jr. College	054103	21	85.24	Jun	Hatch
1	Jr. College	522118	15	84.07	May	Montgomery
8	Jr. College	281118	10	83.95	Apr	Garner
5	Jr. College	423101	14	83.82	May	Roberts
5	Jr. College	202102	18	83.31	Aug	McDonald
8	Fire Department	510104	15	83.23	May	Mitchell
1	Independent	552136	17	82.76	Jul	Watson
5	Jr. College	202104	21	82.26	May	McDonald
2	EMS	171102	10	82.20	Jun	Brown
3	Jr. College	022158	17	82.18	May	Howard
3	Hospital	213103	18	82.11	Jun	Barnett
4	EMS	034035	15	81.80	Apr	Ogden
7	Jr. College	055102	17	81.65	Sep	Erwin
5	Hospital	403101	33	81.14	Jul	Clark
7	Independent	016402	12	80.96	Jun	Gandy
5	Independent	011101	25	80.78	Apr	Petty
4	Jr. College	054008	10	80.70	Apr	Tyson
8	Fire Department	269106	11	80.59	Jul	Espinola
8	EMS	510100	17	80.41	Sep	Farmer
1	Independent	601116	15	80.40	Jul	Sneed
3	Jr. College	032161	23	80.15	May	Davidson
5	Jr. College	202101	11	80.14	Apr	McDonald
4	Jr. College	104081	11	80.00	Aug	Gaines
5	Hospital	403102	20	78.45	Jul	Clark
4	Jr. College	114015	10	77.55	Jun	Hill
2	Jr. College	011201	22	77.27	Jun	Whitfield
7	Jr. College	014107	14	76.82	Jul	Howland
4	Jr. College	114058	14	76.68	Sep	Hill
5	Jr. College	615102	14	75.39	Sep	Meeks
7	EMS	196105	19	74.87	Jun	Sypert
4	Jr. College	124012	14	74.54	Jun	Brant
6	Jr. College	021102	11	74.36	Jun	Rakowitz
5	Jr. College	021103	11	73.27	Aug	Jones

COMPILED BY KAYLENE FARHING, CERTIFICATION AND LICENSURE, EMS DIVISION

DOT curriculum revision: As most of you know, the Department of Transportation is in the process of revising the national EMT-Basic curriculum. Walt Stoy, PhD, EMT-P, at the Center for Emergency Medicine in Pittsburgh is heading up the effort. He is trying to include as much input from the EMS community as possible. The revision is still

in the draft stage but is beginning to take shape. The basic philosophy of the project is that it will be assessment-based rather than diagnosis-based teaching. The curriculum should be completed by October, 1993. Pilot testing should begin in December, 1993 and the final curriculum should be submitted by March, 1994. - Debbie Bradford

Benavides, Michael, El Paso, Texas. Revocation of EMT-Paramedic certification. EMS rule 157.51 (a)(4)(B), under the influence of alcohol, which affects the certificant's ability to render aid according to accepted procedures or protocol.

Daul, Lynn Ryan, Galveston, Texas. Twelve months probation of EMT-Intermediate certification through June 8, 1993. EMS rule 157.51 (a)(4)(I), attempting to obtain certification by fraud, forgery, deception, misrepresentation, or subterfuge.

* **DeGal, Larry**, Duncanville, Texas. Emergency suspension of EMT-Paramedic. EMS rule 157.51 (a)(1), failure to pass skills test and retest.

Flesher Ambulance Service, Van Alstyne, Texas. Eighteen months probation of suspension of provider license through September 10, 1993. Violation of Health and Safety Code, Chapter 773.050, failure to staff emergency medical service vehicle with at least two certified personnel.

Freeport Fire Department, Freeport, Texas. Eighteen months probation of provider license through May, 1993. Health and Safety Code, Chapter 773.050, failure to staff emergency medical services vehicle with at least two certified personnel.

* **Goetz, Jason**, Texas City, Texas. Suspension of EMT-Paramedic certification. EMS rule 157.51 (a)(2)(A) and (B), failure to follow EMS standards of care and failure to follow physicians protocol.

Hughes Springs Volunteer Ambulance Service, Hughes Springs, Texas. Twelve months probation of emergency medical services provider license through November 1, 1993. Health and Safety Code, Chapter 773.050, failure to staff EMS vehicle with at least two certified personnel.

Jackson, Carolyn Sue, Joaquin, Texas. Revocation of EMT certification. EMS rule 157.51, falsifying application by failing to report convictions.

* **Kemp, David A.**, El Campo, Texas. Emergency suspension of ECA certification. EMS rule 157.53 (a)(1), failure to meet standards as required in 157.41, failure of skills test and retest.

Marshall, Russell, Longview, Texas. Eleven months probation of suspension through March 19, 1993. EMS rule 157.51 (a)(4)(I), assisting another to obtain certification by fraud, forgery, deception, misrepresentation, or subterfuge.

Medic Ambulance, Laredo, Texas. Administrative penalty of \$2,000. Health and Safety Code, Section 773.050, failure to staff vehicle with at least two certified personnel.

Robertson, Curtis W., Grape Creek, Texas. Denial of certification. EMS rule 157.44 and 157.53, falsifying application by failing to report misdemeanor convictions.

Smith, William B., Houston, Texas. Denial of EMT certification. EMS rule 157.44, felon applying for certification.

Stewart, Andrew A., San Antonio, Texas. Eighteen months probation of EMT-Intermediate through May 21, 1994. EMS rule 157.51, misdemeanor convictions while certified.

* **Taylor, David, A.**, Lufkin, Texas. Revocation of EMT-Basic. EMS rule 157.51 (a)(4)(I), assisting another to obtain certification through fraud, forgery, or deception.

* **Taylor, David E.**, Crockett, Texas. Revocation of EMT-Basic. EMS rule 157.51 (a)(4)(I), obtaining certification through fraud, forgery, or deception.

Wright, Gilbert, Olney, Texas. Twenty-four months probation of EMT certification through October 1, 1994. EMS rule 157.51(s), violating any rule or standard that would jeopardize the health or safety of a patient or that has a potential negative affect on the health or safety of a patient.

THE INFORMATION IN THIS SECTION IS INTENDED TO PROVIDE PUBLIC NOTICE OF DISCIPLINARY ACTION BY THE TEXAS DEPARTMENT OF HEALTH AND THE BUREAU OF EMERGENCY MANAGEMENT AND IS NOT INTENDED TO REFLECT THE SPECIFIC FINDINGS OF EITHER ENTITY.

THIS INFORMATION MAY NOT REFLECT ANY NUMBER OF FACTORS INCLUDING, BUT NOT LIMITED TO, THE SEVERITY OF HARM TO A PATIENT, ANY MITIGATING FACTORS, OR A CERTIFICANT'S DISCIPLINARY HISTORY. THIS LISTING IS NOT INTENDED AS A GUIDE TO THE LEVEL OF SANCTIONS APPROPRIATE FOR A PARTICULAR ACT OF MISCONDUCT.

FOR INFORMATION, CONTACT THE BUREAU'S CHIEF INVESTIGATOR, VIC DWYER, AT (512) 834-6740.

*THESE LISTINGS ARE NEW THIS ISSUE. DENIALS AND REVOCATIONS WILL BE PRINTED IN THREE CONSECUTIVE ISSUES. SUSPENSIONS AND PROBATED SUSPENSIONS WILL BE PRINTED UNTIL SUSPENSION OR PROBATION EXPIRES.

Prevention in Paradise

Prevention activity is alive and well in America, but it's not so alive or well in Isla Mujeres, a five-mile strip of tropical paradise



ALANA S. MALLARD,
EDITOR
TEXAS EMS MAGAZINE

Bills that will probably be filed in the first weeks of the 73rd Legislature include some of interest to Texans whose jobs require them to pick up the pieces after heart-breaking tragedy: seatbelts for everyone under the age of 15 riding in a vehicle, no matter where they sit; gun responsibility to punish owners of improperly stored firearms; bicycle helmets for young bicyclists; and fencing requirements for swimming pool owners.

The American Academy of Pediatrics recently came out against baby walkers because the mobility and height they give babies put those children in danger of tumbling down steps. The Phoenix Fire Department doesn't want parents to let kids swim alone, so the firefighters and paramedics give out Designated Child Watcher badges that the adults promise to hand to another adult if they have to leave the area.

Prevention activity is alive and well in America, but it's not so alive or well in Isla Mujeres, a five-mile strip of tropical paradise where I spent a week with a four-year-old in December.

I assigned myself the Designated Child Watcher job during that week, because safety that I had come to take for granted just couldn't be taken for granted in the fishing village eight miles out in the Caribbean from Cancun, Mexico.

The eight-mile trip in a 30-foot fishing boat from Puerto Juarez to Isla Mujeres lasted about 35 min-

utes—minutes of me figuring which shore I would have to swim to carrying a four-year-old without a life jacket. My nerves fared better on the trip back to Puerto Juarez on the new, triple-deck, PFD-equipped Caribbean Queen.

Once on the island, we didn't wear seatbelts during our car trip to the far end of the island to snorkel. We couldn't find the seatbelts. Besides, I spent the ride wondering about the lack of traffic signs, road markings, and, well, and roads.

Other little things that on my mind included the playground in the square where the slide had a rusted-through platform that I just knew some little kid would catch with clothing or a foot.

We had a marvelous time, a gorgeous time, and little Cory and her mother and I got suntanned and sandy. I know I'll always be the kind of vacationer who travels light and carefree, but there is something to be said for helmets, life jackets, and safety belts even when you're cultures away from home.

My sun visor's off to the Texas legislators, the country's pedi-

atricians, and the Phoenix firefighters who stay vigilant about injury prevention.



Calendar

Meetings

March 24-27, 1993. **EMS Today**, Phoenix AZ. Contact Jems Conference Corporation. 619/431-8088.

March 26-28, 1992. **Tenth Annual Georgia Excitation School**. Athens, Georgia. Sam Cunningham or Kathy Hardigree (706) 542-9500.

April 17-18, 1993. **Basic Pediatric Care**. \$29. San Antonio College. Sunnee Rakowitz 512/733-2643 or 733-2640.

April 10, 24, 1993. **EMT Computerized Review**. 18 hour course allows student to choose the topics to review. Some basic computer skills are recommended. \$34.50. San Antonio College. Sunnee Rakowitz 512/733-2643 or 733-2640.

April 20-22, 1993. **The 8th Annual Industrial Fire World Exposition**. Houston, TX. 409/693-7105.

April 21-25, 1993. **Vertical Rescue Specialist Course**. Austin, TX. Sponsored by Troll Safety Products. (512) 837-6983.

April 24-25, 1993. **Prehospital Trauma Life Support (PHTLS)**. \$150. Course is designed to provide practicing EMT-I's and EMT-P's and emergency nurses with prehospital assessment and care of the trauma patient. Texarkana College, Kathy Jordan, (903) 838-4541.

April 26, 1993. **EMT-Paramedic Completion**. Classroom, in hospital. \$349. San Antonio College. Sunnee Rakowitz 512/733-2643 or 733-2640.

April 28-May 2, 1993. **Second World Congress on Stress, Trauma, and Coping in the Emergency Profession**. Baltimore, MD. 410/730-4311.

April 29, 1993. **Texas Emergency Medical Services Advisory Council meeting**. Call Harold Broadbent for information. 512/834-6740.

May 3-7, 1993. **Rescue I-Basic Confined Space/Structural Rescue**. Beaumont, TX. 40 hours. \$425. Roco 1-800-647-7626.

May 6, 1993. **Neurological Update '93**. Current issues and advanced techniques in the treatment of head and apinal cord injuries. \$25. Texarkana College, Kathy Jordan (903) 838-4541.

May 8-9, 1993. **Advanced Pediatric Care Course**. \$29. San Antonio College. Sunnee Rakowitz 512/733-2643 or 733-2640.

May 20, 1993. **Emergency Symposium '93**. \$20. Designed for critical care personnel including prehospital. Texarkana College, Kathy Jordan (903) 838-4541.

May 23-29, 1993. **Emergency Medical Services Week**.

June 9-10, 1993. **Eleventh Annual Emergency Care Update**. Sponsored by CareFlite Dallas and CareFlite FortWorth. Arlington Convention Center, Arlington, TX. Robin Beardsley, CareFlite FortWorth, 817/882-4010 or 1-800-772-5840 or Louann McGrath, CareFlite Dallas, 214/944-8143.

June 15-18, 1993. **Phoenix Fire Dept. 6th Annual Health, Fitness, & Safety Training Seminar**. \$325. 602/534-2169.

July 12-16, 1993. **Rescue I-Basic Confined Space/Structural Rescue**. Beaumont, TX. 40 hours. \$425. Roco 1-800-647-7626.

July 19-23, 1993. **Rescue II-Advanced Confined Space/Structural Rescue**. Beaumont, TX. 40 hours. \$475. Roco 1-800-647-7626.

July 29-30, 1993. **Ninth Annual Colorado**

Trauma Symposium. Breckenridge, Colorado. 303/436-7788 or Fax 303/436-7793.

Jobs

Paramedic Coordinator: Central Texas. Full time director of paramedic technology to coordinate ALS classes. Bachelors degree and EMT-P instructor certification. Write to: Dr. Jim Moshinskie, EMS Education, 1901 S. 1st Street, Temple, TX.*

Paramedic Coordinator: Central Texas. Full time paramedic instructor to teach ALS classes. Bachelors degree and EMT-P instructor certification. Resume to: Dr. Jim Moshinskie, EMS Education, 1901 S. 1st Street, Temple, TX.*

Paramedic: ACLS certification preferred. Resume: Daine Abbott, EMS Dept., Memorial Hospital, PO Box 4070, Palestine, TX 75802.*

EMT, EMT-I, EMT-P: Seasonal positions. Fiesta Texas Theme Park emergency medical service accepting applications. HS diploma or GED, Texas DL, SS card, Texas EMS certification, AHA course C CPR card. Resume: PO Box 690290, San Antonio, TX 78269. Street address: 17000 IH 10 West, San Antonio, TX 78257.*

Paramedics: Oklahoma City and Tulsa. Large prehospital emergency medical service needs top quality professionals. Call Collect. LifeFleet, human services dept., 405/297-7050.

Paramedic: Llano County EMS. Two positions call 915/247-3088 or Resume: Llano County EMS, 200 W. Ollie, Llano TX 78643.*

Instructor: Bachelor's degree in health care related field. Texas paramedic certification and EMS instructor and examiner certification required. This position is open through the spring semester of 1993. Resume: Personnel Office, Lee College, PO Box 818, Baytown, TX 77522-0818.

Paramedic: Los Fresnos EMS. Advanced protocol. Part-time status. Resume: Jesse Luna, 200 N. Brazil, Los Fresnos, TX 78566. 210/233-5768.

EMS Instructors: Part-time. Advanced TDH certification, ACLS provider, and minimum 2 years field experience as EMT-P. Resume: Jay Petty, Metrocrest Medical Service, 2997 LBJ Freeway, Suite 139, Dallas, TX 75234.

Director of Emergency Medical Service: Corpus Christi, TX. Direct administration and coordination of the city's emergency services program.

Strong interpersonal and managerial skills. \$33,000/benefits. Resume: Department of Human Resources, City of Corpus Christi, PO Box 9277, Corpus Christi, TX 78469-9277.

Texas EMS Positions: EMT and paramedic. For newsletter send \$3.50 to: TEEMS, PO Box 540911, Grand Prairie, TX 75054.*

For Sale

For Sale: New-Used ambulances and wheelchair vans. Stratus of Texas. 1-800-745-2483.*

For Sale: 1989 Ford Diesel Type III. Low mileage, excellent condition. Stratus of Texas. 1-800-745-2483.*

For Sale: Matched Fleet. 2 type II, 1 type I. Stratus of Texas. 1-800-745-2483.*

For Sale: 1981 Ford Type II ambulance, good condition, low mileage. \$6,500. West Coke County EMS, Box 1209, Robert Lee, TX 76945 or 915/453-2511.*

For Sale: 1980 Type I Chevy, good condition, 57,000 miles. \$7,500. Robert 210/233-5768.*

For Sale: Excellence & Marque Ambulances. Remounts start at \$5200 plus chassis. Reliable Emergency Vehicles. 1-800-460-VALU.

For Sale: Kenwood TK805D UHF 16 ch, 25 watt, programmable mobile radio (210) 693-4999.

For Sale: EMS supplies and equipment. BLS, ALS, and ACLS levels. 1984 Type II and a 1984 Vanbulance also for sale. Write for complete listing. Magnum Resources, Box 2951, Palestine, TX 75801.*

For Sale: Physio-Control Lifepak-5 defibrillators. City of Corpus Christi purchasing (512) 880-3160.

For Sale: Motorola Radius VHF High, 8 channel mobile 2 way radio. (210) 693-4999.

For Sale: 1984 Frontline Type II, 460 engine, excellent mechanical condition. Light bar and siren. \$6,500 firm. (409) 598-4098.

For Sale: 1985 Type II, 460 engine, excellent mechanical condition. Light bar and siren. \$6,500 firm. (409) 598-4098.

CPR Classes: Every Saturday in the Dallas area. Call Steve at 214/242-5883.

Bloodborne Pathogens Training Program. Fulfills OSHA standards. Rick Murray 817/295-4707.

* This listing is new to this issue.

Moving? Renewing your subscription? Placing an ad?

Moving? Let us know your new address—the post office does not automatically mail your magazine to your new address. Use the subscription form in the magazine to change your address and mark the change of address box. We don't want you to miss an issue!

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Placing an ad? To place an ad in the calendar section, write the ad (keep the words to a minimum, please) and fax to *Texas EMS Magazine*, 512/834-6736 or send to the address below. Ads will run in two issues and then be removed.

For circulation and calendar information call or write Jan Brizendine at 512/834-6740 or *Texas EMS Magazine*, 1100 West 49th, Austin, Texas 78756-3199.

Designing Woman: Jan Brizendine

makes the Bureau look good

If you've ever wondered how *Texas EMS Magazine* gets to looking so good, the answer is Jan. Jan Brizendine, that is. The creative art

director takes the raw material—words, photos, and art—and designs the magazine that arrives each month in the mail. But *Texas EMS Magazine* hasn't always looked this way.

When Jan came to the Bureau of Emergency

Management in January of 1987, the *EMS Messenger*, as it was called in those days, was an 8-page newsletter produced on a typewriter.

"Soon after I arrived, Gene Weatherall and Alana Mallard decided our publication should look more like a magazine, so they sent me to school to take some courses in desktop publishing," Jan says. "I'm still taking classes six years later to keep up with all the new computer technology."

Although Jan's proud of the mag-

azine's transition, she especially likes a recent addition: a color photograph on the cover.

"We've been doing it for a few months and I really think color makes a big difference," Jan says. "We just keep getting better and better, thanks to a team effort in the Bureau."

As part of her other responsibilities, Jan manages the magazine's subscription files, and designs printed material for the Bureau of Emergency Management, including brochures, fliers, certificates, and conference items. Last year, she won an award at the EMS Conference for her design of the conference logo.

Jan gets involved with the Texas EMS Conference in another big way. Although when she came to the Bureau she worked on conference registration, now Jan coordinates the conference exhibitors, a job that grew by 40 percent in the last year.

"In 1991, we had about 60 exhibitors. That number jumped to 85 in 1992," Jan says. "Next year we expect another 20 percent increase."

One reason Jan's workload may increase is the location of the '93 EMS Conference. The Fort Worth convention center will offer twice the exhibit space available in Austin.

"More space, a nicer facility, and easy access through DFW Airport—what more could anyone ask for?" Jan says.

A Houston native, Jan moved to Austin to go to school. When she's not at work, school, or church, you will probably find Jan working in her yard with her granddaughter, Leslie. She and her husband, Randy, have a family at home of two Pomeranian dogs, a Chihuahua dog, and a black and white cat.



Jan Brizendine will again coordinate exhibits at the conference this year in Fort Worth. Her son Joey has helped with several EMS conference golf tournaments.

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