

# Texas EMS

## Death in the family

*Honoring those who gave their lives for EMS*





# Texas EMS

Magazine

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\_\_\_\_\_ (Updated) **"Ready Teddy" coloring book.** Sixteen pages of injury prevention and EMS awareness tips by the Texas EMS mascot. English-(4-61), Spanish-(4-61A)

\_\_\_\_\_ **"When Minutes Count—A Citizen's Guide to Medical Emergencies" brochure.** A foldout first aid guide. Can be personalized by the EMS service. (EMS-014)

\_\_\_\_\_ **"Don't Guess, Call EMS" brochure.** A reprint of a Department of Transportation brochure updated with Texas photos and logo. Back panel listing of public health region offices and a "For more information, call" box. (EMS-013)

\_\_\_\_\_ **"EMS Lifesavers—Career Information" brochure.** Gives types of jobs, paid and volunteer, in various settings and salary ranges. (EMS-007)

\_\_\_\_\_ **"EMS Questions and Answers About Citizen Participation" brochure.** Answers questions about how to call, what to do and how the community can help EMS. (EMS-008)

\_\_\_\_\_ **"EMS—A System to Save a Life" brochure.** A 1970s title with a 1990s text, it has public health region office info and "For more information, call" box. Explains BLS and ALS. (EMS-012)

\_\_\_\_\_ **"Who Who" Coloring Book.** Activity book features 12 pages of injury prevention and EMS awareness tips by Who Who the safety clown. (EMS-022)

\_\_\_\_\_ (Updated) **"I'm an EMS Friend" sticker.** Ready Teddy in a 2-1/2 inch, 3-color sticker.

\_\_\_\_\_ Send information on borrowing the **Ready Teddy EMS Mascot suit**, available from Austin or the regional offices. Kids love him! And they learn to stay safe.

\_\_\_\_\_ Send a sample of all public information and education materials—a **PIE pack.** (limit 1)

### Mail or fax order form to:

Bureau of Emergency Management, Texas Department of Health,  
1100 West 49th Street, Austin, TX 78756-3199  
or fax to (512) 834-6736



## FEATURES

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By KELLY HARRELL

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By JOHN MONAHAN, EMT-P AND CRAIG GRAY, EMT-P

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By BRIAN HASCHKE, BS, NREMT-P



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# Texas EMS

M a g a z i n e

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COVER PHOTO: Flight crew members place white roses on the casket of a fellow Valley AirCare crew member during funeral services. A white rose signifies love of others. *Photo by Robert Ruiz/Valley Morning Star*

## PREVENTION

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A drug recall and a warning about storing epinephrine are in the news.





## TEXAS DEPARTMENT OF HEALTH MISSION

*To protect and promote the health of  
the people of this state.*

## BUREAU OF EMERGENCY MANAGEMENT MISSION

*To facilitate statewide, regional, and  
community systems that provide emergency  
and health care for all individuals.*

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We will accept telephone and mail queries about articles and news items. Manuscript and photograph guidelines available upon request. Materials will be returned if requested.

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# Texas EMS

M a g a z i n e

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# 175 years of EMS experience... and counting



*The regional EMS directors were recognized at the annual employee banquet for a combined total of 175 years of EMS experience. From left to right, back row, Rod Dennison, Temple; Terry Bavousett, Canyon; Lee Sweeten, Uvalde; Noemi Sanchez, Harlingen; Jim Arnold, Tyler; Tom Cantwell, El Paso. Front row, Jimmy Dunn, Arlington; and Wayne Morris, Houston.*

Recently we had all of our regional EMS personnel in Austin for a statewide meeting. In looking at all our current regional EMS directors, it occurred to us that there is an incredible wealth of EMS knowledge within this group. The interesting thing is that our eight regional EMS directors have a total of 175 years of EMS experience. That is an average of 21.88 years per person. We think that is probably the highest average in any state in the U.S. We are very proud of the regional EMS directors and their years of service speak well of the dedication to their jobs.

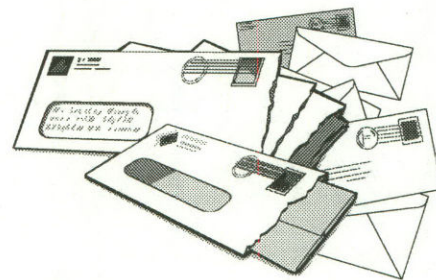
This issue of the *Texas EMS Magazine* is dedicated to Pam West, who retired in July from the Texas Department of Health and moved to California. Most people would move to California to sit on the beach and

enjoy their retirement. Pam West is not one of those people. She has accepted another challenge in the field of EMS that she loves so much. She will be the director of EMS for Santa Clara County, California, where she will be responsible for the overall management of EMS for the county. Pam has some valuable skills that we understand are in great demand in her new job: her organizational, management, and writing skills will be necessary in managing the multiple provider contracts. The EMS folks in California will soon realize what a hard worker she is and may get a little tired trying to keep up with her. For over a decade Pam was the driving force behind EMS rules and regulations in Texas. We all wish her much success with her new EMS challenge. —Gene Weatherall

🚑 **EMS Fact:** In 1996, 23 pedestrians were killed in school bus-related crashes. —NHTSA



# L e t t e r s



**To Gene Weatherall:** I want to thank you for your letter of June 11th. I especially appreciate the prayers and support given to us by the Bureau over the loss of our flight crew this June 5th. Tony, Brenda and Carlos were not only good friends, they were a great flight team. Our sympathies also go to the family members as they have suffered tremendous losses.

I must tell you that I have been overwhelmed by the response from the EMS community in Texas, the nation and around the world. We have heard from Bosnia, Australia, Canada, England and the Middle East. The

note in your letter that we are one EMS family has certainly been proven by this response.

We are all deeply grateful for the assistance given by the regional staff during this tragic accident. Noemi (Sanchez), Carlos (Tello) and Petra (Vidales) were there for our staff from the moment the accident occurred.

This painful loss will be felt by our staff for a long time to come, but we must move forward to continue providing EMS for our communities. An interim aircraft began operations June 30th. The permanent replacement aircraft will be in service

later this year.

Please convey our appreciation to all at the Bureau for their love, prayers, support, the beautiful card that they all signed and sent to us, and the flowers which arrived for the joint memorial service attended by all three families. Words cannot convey how truly appreciative we are.

*Bill Aston-Executive Director  
Valley AirCare Emergency Services*

## The Bureau of Emergency Management mourns the passing of these EMS friends

**Carlos De La Fuente**, 34, of San Benito, passed away June 5, 1998, in a helicopter crash. A paramedic and a registered nurse, De La Fuente had been a paramedic for eight years, was a flight nurse for Valley AirCare and worked in the emergency department at Valley Baptist Medical Center.

**Bryan Joseph Ledet**, 25, of Alvord, passed away July 21, 1998. He had been an active member of CareFlite and Wise County EMS. A paramedic, Ledet had been an EMS Instructor/Examiner for two years. He is survived by his wife, one son, parents and grandparents.

**Brenda Moore Leinweber**, 46, of South Padre Island, passed away June 5, 1998, in a helicopter crash. A paramedic, she was a senior flight medic for Valley AirCare and training officer for Brownsville EMS.

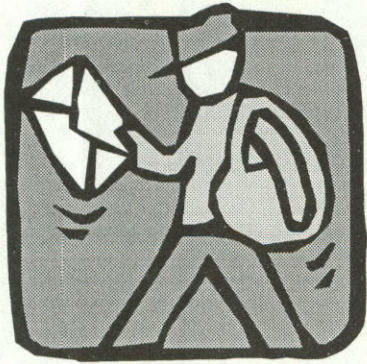
**Vicente Antonio Martinez**, 46, of McAllen, passed away June 5, 1998, in a helicopter crash. A pilot for 11 years, Martinez had worked with Valley AirCare since January 1998.

**John Exton Potts**, 50, of Lago Vista, passed away July 4, 1998. Potts was an EMT and captain of Lago Vista Fire Department. He was also employed by Austin EMS. He is survived by his wife, two daughters and his mother.

**Zelma Routh**, 64, of Rankin, passed away June 2, 1998, following a long bout with cancer. Routh was a firefighter and an EMT and had served with the Rankin Volunteer Fire Department and Rankin EMS. She had also served the community through her work with Rankin ISD and the Rankin City Council.

**George Stephenson**, 65, of Georgetown, passed away June 9, 1998, of an apparent heart attack. Stephenson began his emergency medical career as an Air Force medic on search and rescue missions. He became the director of Williamson County EMS in 1978 and retired in 1993.





## We need to hear from you!

### Have you turned in your 1998 Salary Survey?

Turn it in by October 30, 1998, so your survey answers can be included in the January/February issue of the magazine. Mail the survey to us or fax it to (512) 834-6736. If you don't have a copy of the survey, call (512) 834-6700, or e-mail kim.gregg@tdh.state.tx.us.

#### TEXAS EMS CERTIFICATIONS AS OF JULY 1, 1998

ECA	6,416
EMT	22,561
EMT-I	3,674
EMT-P	11,550
TOTAL	44,201
COORDINATOR	409
INSTRUCTOR	1,970
EXAMINER	2,312

### All In A Day's Work

*Asleep in our beds, all lined in a row. Our gear and our trucks are ready to go!*

*I close my eyes and ponder the day. Give me silence tonight, I imploringly pray.*

*Watch over my family while I am away.*

*Abruptly awoken by the sound of the tone, everyone is ready, I won't be alone.*

*A shaky voice comes over the air, a house is on fire and a child needs our care. We arrive on the scene and it's my biggest fear. A mother holding her child of only one year.*

*Lifeless and limp, the baby is handed to me. Lord, please help me. I beg you, hear my plea.*

*In the back of the ambulance we placed that little guy. I looked at my partner with a tear in my eye.*

*We took a deep breath and indulged in our case, needles and wires and tubes all in place. The outlook was grim but we wouldn't give up. We placed by his side a little stuffed pup.*

*His eyes slowly opened, he softly cried. I held his hand and heavily sighed.*

*Thank you God for hearing my prayer. It was you who helped me render his care.*

*Now back at the station and ready for bed, "it's all in a day's work" someone once said.*

*Stacie A. Zercher, EMT-P*

Correction: In the July/August cover photo, MedStar responded to the train wreck in addition to the Fort Worth Fire Department. We apologize for the omission.

#### Answers to July/August'98 CE test

- |      |       |       |
|------|-------|-------|
| 1. B | 6. B  | 11. C |
| 2. D | 7. C  | 12. C |
| 3. A | 8. B  | 13. A |
| 4. D | 9. B  | 14. A |
| 5. D | 10. A | 15. A |

## Texas EMS Magazine

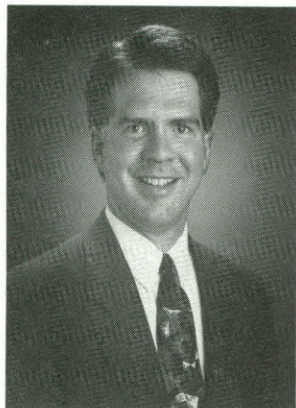
\$20 for 2 Years

*Your point of contact with the agency that regulates Texas EMS—taking state and national EMS issues and answers to emergency medical services professionals serving in every capacity across Texas.*



# EMS news

*A compilation of news from around the state and nation*



*William H. Craig, CHE, was named executive director of Champion EMS. Champion EMS is a unified regional medical transportation system, formed by Good Shepherd Medical Center in Longview, Memorial Health System of East Texas-Lufkin and Trinity Mother Frances Health System in Tyler.*

## **Champion EMS names executive director**

Champion EMS, serving several counties in East Texas, announced the appointment of William H. Craig, CHE, as executive director in May. Craig oversees the day-to-day operations of the regional EMS organization. Craig has served as president and chief executive officer of Burleson St. Joseph Health Center in Caldwell and as an administrative director of Scott and White Memorial Hospital in Temple. He is a member of the Texas Hospital Association and serves on the board of the Texas Rural Health Association. Champion EMS, a unified regional emergency medical transportation system, was officially formed in May, when Good Shepherd Medical Center in Longview, Memorial Health System of East Texas-Lufkin and Trinity Mother Frances Health System in Tyler combined their EMS resources.

## **NHTSA activates DOT Auto Safety Hotline**

In an effort to increase public awareness of safety issues related to motor vehicles, NHTSA established the DOT Auto Safety Hotline. Citizens are encouraged to call the toll-free number (888/ 327-4236) if they suspect safety defects in products, child safety seats or air bags. The information gleaned from these phone calls will be used in investiga-

tions and could possibly lead to the recall of those vehicles. NHTSA has posters, informational flyers and Rolodex cards with the toll-free number and web site printed on them, all free to the public. To order any of these materials, call the hotline or visit their web site at <http://www.nhtsa.dot.gov/hotline>.

## **Denton rescinds surcharge for 300-pound patients**

According to a report from the Associated Press, the Denton City Council has rescinded a \$25 surcharge for anyone over 300 pounds needing ambulance service. After the proposal was announced in July, protests poured in to city offices. Fire Chief Ross Chadwick, who recommended the fee, fielded more than 30 telephone calls from the media from around the world. Chadwick says the fee was necessary to cover the cost of increased risk of injury to firefighters and paramedics who carry the patients. The fee was one of several fee increases approved by the city council in an effort to boost the budget for emergency workers. The \$25 fee would have raised about \$250 a year.

## **Texas Supreme Court rules for emergency driver**

The Texas Supreme Court recently decided, in a 7-2 vote, that drivers of emergency vehicles can be found liable for damages resulting from a



### **EMS Fact:**

Remove Intoxicated Drivers (RID) estimates that 4,000 deaths occur each year from alcohol overdosing—drinking too much alcohol too fast.



collision only if they exhibit reckless behavior. The court stated that emergency drivers are often under extreme pressure while trying to protect the public's health, safety and property. Motorists have an advantage in avoiding a collision with an emergency vehicle because of its lights, sirens and distinctive coloring, and emergency drivers are entitled to presume other drivers will respect emergency priorities. The dissenting justices were concerned that taking away the financial consequences of reckless driving for emergency drivers and their employers would increase the dangers of the road.

### **CPSC awards Safety Commendation to National SAFE KIDS Campaign**

The U.S. Consumer Product Safety Commission awarded the Chairman's Safety Commendation to the National SAFE KIDS Campaign and its 254 state and local coalitions for its outstanding efforts to increase public awareness of safety and prevent injuries to children. A non-profit organization, the National SAFE KIDS Campaign has worked since 1988 to increase public awareness and safety device distribution, and foster the enactment and enforcement of laws and participation of grassroots partnerships. SAFE KIDS organizations recently participated in CPSC's second Recall Roundup project to call attention to unsafe products in homes and in second-hand stores.

### **Texas provider receives CAAS accreditation**

The Commission on Accreditation of Ambulance Services granted three-

year accreditation to the City of Plano Fire Department, and LifeCare Ambulance of Battle Creek, Michigan, and the reaccreditation of Huron Valley Ambulance of Ann Arbor, Michigan. CAAS, a non-profit agency, is sponsored by the American Ambulance Association, the National Association of EMS Physicians, the National Association of State EMS Directors, the Emergency Nurses Association, the National Association of EMTs and the International Association of Fire Chiefs. Visit the CAAS web site at <http://www.caas.org> for more information.

### **States collecting information on potential ambulance safety hazard**

The Oklahoma Department of Health recently released a notice



### **Medic Alert adds emergency 800 number**

Medic Alert has added a toll-free number for emergency responders and first responders to use to access lifesaving information. Medic Alert, a nonprofit organization, is the nation's leading emergency medical information service. The new number 800/625-3780 allows emergency departments and first responders direct access to its 24-hour emergency response center. The new number supplements the call collect number (area code 209) that is engraved on the bracelets or dogtags of three million Medic Alert members in North America. According to Medic Alert, members of Medic Alert have on average only three medical conditions engraved on their bracelets or dogtags, but have five listed in their computerized medical file, along with their family and physician contacts. While Medic Alert will continue to put the call collect number on their emblem, they will provide decals and posters listing the toll-free number for communications equipment, bulletin boards and clipboards. To order decals and posters, fax requests to (209) 669-2495.



concerning a potential ambulance safety hazard in which an ambulance return-

ing from a run lost a wheel.

Upon investigation, ODH found that a similar incident

had occurred once in the

previous year. Inspection of

the wheels revealed stress

cracks near the mounting

holes on a significant portion

of the randomly-tested

wheels. The cause of the

cracks is suspected to be

improper installation (over-

tightening). TDH and ODH

are asking that anyone who

has experienced this problem

over the last three years

contact Mark Huckaby, TDH,

at (512) 834-6700 or

mark.huckaby@

tdh.state.tx.us.

### **Texas court rules that city can be held responsible for mistakes in 9-1-1 call**

In a case that emphasizes

how the accuracy and effi-

ciency of all parts of the

emergency system might

affect a community, the

Texas Court of Appeals ruled

that the City of Temple could

be held liable for a 9-1-1 call

gone bad. When the plaintiff

and his wife moved to Tem-

ple, they checked the 9-1-1

locator records to verify the

correctness of their address

because the wife had severe

asthma. Finding the wrong

address in the computer,

they asked that it be correct-

ed. Nevertheless, the woman died

while waiting for an ambulance that

an untrained dispatcher had sent to

the wrong address, despite the

man's repeated attempts to tell the

dispatcher the correct address. The

man has sued the City of Temple.

### **NWS releases assessment of Central Texas tornadoes, honors safety heroes**

In May, the National Weather

Service released its service assess-

ment of the tornado warnings issued

during the May 27, 1997, Central

Texas tornadoes. NWS found that

the lead times for the warnings

allowed people in Central Texas

enough time to find shelter. NWS

conducts service assessments, fol-

lowing significant weather-related

events. In releasing the service

assessment, NWS also issued Public

Service Awards and Letters of

Commendation to emergency man-

agers and a grocery store manager

who helped safeguard lives during

this event. Public Service Awards

and Letters of Commendation were

presented to: John Durham, Bell

County Emergency Management

Coordinator; Rodney Baden, McLen-

nan County Emergency Manage-

ment Coordinator; John I. Sneed,

Williamson County Emergency

Management Coordinator; Pete

Baldwin, Travis County Emergency

Management Coordinator; Captain

Mark Moss, City of Georgetown

Emergency Management Coordina-

tor; Dale Fuller, City of Cedar Park

Emergency Management Coordina-

tor; and Larry Fore, Albertsons Food

and Drug Store manager. The

Central Texas Tornado Service

Assessment report can be viewed at

<http://www.nws.noaa.gov/om/omdis.htm>.

### **Web pages**



The U.S. Mint, in cooperation with the National Law Enforcement Officers

Memorial Fund, has issued a new commemorative coin to honor police officers who have died in the line of duty. To see the coin or to order a coin, visit the NLEOM web site at <http://www.inleomf.com>.

The National Association for Search and Rescue publishes a SAR K-9 directory that lists all the registered SAR K-9 teams in the U.S. For a copy, click on <http://www.nasar.org>.

Want to teach kids about bicycle safety, but don't have time or space to set up an actual bike rodeo? Visit NHTSA's "Safety City," a kid's web site where children can learn safety the cyber way—<http://www.nhtsa.dot.gov/kids>. Other ideas and resources for bicycle safety events can be found at the National Bike Safety Month web site at <http://www.cdc.gov/ncipc/bike>.

You can now download many Texas Driver License forms straight from the DPS Website at <http://www.txdps.state.tx.us>.

Looking for information about the free restocking of ambulance supplies by receiving hospitals, also interpreted by some attorneys as "kick-backs"? For information about this issue, contact the American Ambulance Association's web site at <http://www.the-aaa.org> and click on the link established to the Office of the Inspector General web page.

Looking for information about a particular disease? For the medical information scoop, check out <http://www.medscape.com>. For information about issues concerning trauma and hospitals, contact the American Trauma Society at <http://www.amtrauma.org>.

The mission of the National Group Rides and Designated Drivers (National GRADD) is to prevent drunken driving and to save lives among college communities by building and supporting a national network of collegiate safe ride programs. For more information about National GRADD, visit their web site at <http://www.saferide.org>.

Want to find out about medical and health educational programs in Texas colleges? Check out this listing at <http://192.16.72.17:70/R284076-343824-1m/degrees/univprog.txt>.



## EMS Awards Categories

**EMS Educator Award** honors a state-certified EMS Instructor or Course Coordinator who has advanced EMS education in Texas.

**EMS Medical Director Award** honors a physician who has served as a medical director, on-line or off-line, for an EMS organization.

**EMS Administrator Award** honors an administrator, researcher, or manager on the local, city, county, regional, or state level who has made a positive contribution to EMS.

**Public Information Award** honors an EMS group or individual for outstanding achievement in public education, injury prevention, or health promotion.

**Citizen Award** honors a private citizen for heroic lifesaving act or unique advocacy of EMS.

**Private Provider Award** honors a privately-owned commercial organization which assumed a leadership role in EMS by achievement in areas of patient care, public access, medical control, disaster preparedness, public education, and training.

**Public Provider Award** honors an organization operated by a county, municipality, tax-based hospital, or state or local government agency which assumed a leadership role in EMS by achievement in areas of patient care, public access, medical control, disaster preparedness, public education, and training.

**Volunteer Provider Award** honors an organization staffed by volunteers which assumed a leadership role in EMS by achievement in areas of patient care, public access, medical control, disaster preparedness, public education, and training.

**First Responder Award** honors a first responder organization which assumed a leadership role in EMS by achievement in areas of patient care, public access, medical control, disaster preparedness, public education, and training.

**Air Medical Service Award** honors a public or private air medical service in Texas, a leader in the field, who has demonstrated the highest standards in providing patient care to the citizens of Texas.

**Outstanding EMS Person of the Year** honors an EMS certified person who has demonstrated uncommon leadership and courage in providing emergency medical service to the citizens of Texas.

# 1998 Texas EMS Award Nomination Application

This nomination is for:

- |                                                     |                                                    |
|-----------------------------------------------------|----------------------------------------------------|
| <input type="checkbox"/> EMS Educator Award         | <input type="checkbox"/> Private Provider Award    |
| <input type="checkbox"/> EMS Medical Director Award | <input type="checkbox"/> Public Provider Award     |
| <input type="checkbox"/> EMS Administrator Award    | <input type="checkbox"/> Volunteer Provider Award  |
| <input type="checkbox"/> Public Information Award   | <input type="checkbox"/> First Responder Award     |
| <input type="checkbox"/> Citizen Award              | <input type="checkbox"/> Air Medical Service Award |
|                                                     | <input type="checkbox"/> EMS Person of the Year    |

Name of nominee \_\_\_\_\_

Street address of nominee \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone number of nominee \_\_\_\_\_  
Area code

Your name \_\_\_\_\_

Your street address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Your level of certification \_\_\_\_\_

Your daytime telephone number \_\_\_\_\_  
Area code

Your service or other affiliation \_\_\_\_\_

Your signature \_\_\_\_\_ Date \_\_\_\_\_

Send awards to:

Texas EMS Awards, Texas Department of Health, 1100 West 49th Street,  
Austin, TX 78756-3199, or fax to (512) 834-6736.

Nomination should not have more than 3 typewritten pages of background information. You may also include documentation or examples.

**Nominations must be postmarked by October 1, 1998.**

If you have questions, contact your public health region EMS office or the Bureau of Emergency Management at (512) 834-6700.

We will announce award winners at Texas EMS Conference '98 during the Awards Luncheon on November 24, 1998.



# Texas EMS Conference '98—Registration Form

*Note: Make a copy of this form for each additional registration—only one registration per form. Fill in the name exactly like you want your nametag to be printed. (Please type or print the information)*

First Name \_\_\_\_\_ Last Name \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_

State \_\_\_\_ Zip \_\_\_\_\_ Phone \_\_\_\_\_

Level of Certification     ECA     EMT     EMT-I     EMT-P Other/Title \_\_\_\_\_

Do you make purchasing decisions for your firm?     yes     no

Do you subscribe to *Texas EMS Magazine*?     yes     no      For information call (512) 834-6700.  
Fax to (512) 834-6736.

## PRECONFERENCE CLASSES

*If you are taking a preconference class, check the Preconference Class Title*

- |                                                                |                                                                    |                                                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> \$100 High Angle Rescue               | <input type="checkbox"/> \$40 Clown College                        | <input type="checkbox"/> \$50 Cadaver Lab (number time preferences 1,2,3)<br>__8:30 __11:00 __2:30 |
| <input type="checkbox"/> \$100 Cave Rescue                     | <input type="checkbox"/> \$100 Pediatric Basic Trauma Life Support |                                                                                                    |
| <input type="checkbox"/> \$195 Advanced Cardiac Life Support   | <input type="checkbox"/> \$35 Moulage                              |                                                                                                    |
| <input type="checkbox"/> \$35 EMS Managing Hazardous Materials | <input type="checkbox"/> \$20 Educational Site Review              |                                                                                                    |
| <input type="checkbox"/> \$75 Infection Control in the 90s     |                                                                    |                                                                                                    |

*Total Preconference  
Class Fee \$ \_\_\_\_\_*

**Mailed registrations will not be accepted after 11/1/98.**

**No refund after 11/1/98**

<input type="checkbox"/> MC <input type="checkbox"/> Visa    Credit Card _____ Card Holder _____ Card Exp. ____ ____ Signature of Card Holder _____
-----------------------------------------------------------------------------------------------------------------------------------------------------------

Conference Registration Fee	Amount
Conference Registration Fee	\$ 80
PreConference class fee included	+
Total Amount enclosed	\$

**Sunday, November 22, 1998**

1:00 pm - 7:00 pm    Registration-Convention Center  
 3:00 pm - 7:00 pm    Exhibit Hall Opens-Welcome Reception

**Monday, November 23, 1998**

7:00 am - 6:00 pm    Registration-Convention Center

**Tuesday, November 24, 1998**

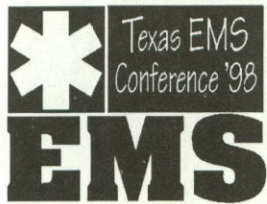
7:00 am - 5:00 pm    Registration-Convention Center

**Check or money order must accompany registration. Registration by fax will be accepted only if you are using a credit card. No refund after 11/1/98—There is a 9% administration fee if a refund is necessary.**

<b>Official Use Only</b>	<b>Date Rec'd.</b>	<b>Check No.</b>	<b>Method of Pmt.</b>	<b>Amt. Rec'd.</b>

Make check to: **Texas Health Foundation**  
 Mail: Texas EMS Conference  
 PO Box 142694  
 Austin, Texas 78714-2694





# Texas EMS Conference '98

November 22-25, 1998

The 13th Annual Texas EMS Conference  
Austin Convention Center, Austin, Texas

Visit our website to see the exhibit hall floorplan at <http://www.tdh.state.tx.us/hcqs/ems/98floor.htm>

Fax (512) 834-6736

## TEXAS EMS CONFERENCE '98 — EXHIBITOR REGISTRATION FORM

Firm Name \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_ Phone \_\_\_\_\_ FAX \_\_\_\_\_

Type of business/products *Please be specific—this determines what kind of company you are placed next to.*

### REGULAR BOOTH

- (1) 10X10 regular booth ... \$500 each
- (2) 10X10 booths ..... \$475 each
- (3 or more) ..... \$450 each

### VEHICLE BOOTH

- (1) 20X20 vehicle booth ... \$550 each
- (2) 20X20 booths ..... \$500 each
- (3 or more) ..... \$475 each

**No refund after 11/1/98**

Number booths & extra reps.	Amount enclosed
Regular Booths	\$ _____
Vehicle Booths	\$ _____
Extra reps. (\$50 each)	\$ _____
<b>Add \$100 to the total after 10/1/98</b>	
Totals	\$ _____

**Saturday, November 21**  
Move-in  
(all vehicles must move in this day)  
2pm to 7pm

**Sunday, November 22**  
Move-in  
8am to 2pm  
Welcome Reception  
3pm to 7pm

**Monday, November 23**  
Exhibit Hall Open  
10am to 6pm  
Free Buffet Lunch in Exhibit Hall (for all attendees)  
12pm to 1pm

**Tuesday, November 24**  
Exhibit Hall Open  
10 am to 5pm (closed during awards luncheon)  
Move-out  
5pm to 9pm

**Booth location request**  
write in booth number(s).  
See <http://www.tdh.state.tx.us/hcqs/ems/98floor.htm> to view floorplan.

**1st choice** \_\_\_\_\_  
**2nd choice** \_\_\_\_\_  
**3rd choice** \_\_\_\_\_  
**You want us to choose for you** \_\_\_\_\_

All efforts will be made to honor booth choices.

**Fax (512) 834-6736**

MC  Visa Credit Card No. \_\_\_\_\_  
Card Holder \_\_\_\_\_ Card Exp. \_\_\_\_\_  
Signature of Card Holder \_\_\_\_\_

Make check to: **Texas Health Foundation**  
Mail to: **Exhibitor**  
Texas EMS Conference  
PO Box 142694  
Austin, Texas 78714-2694

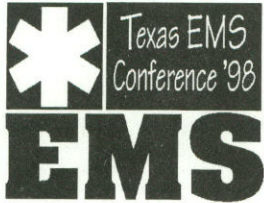
**Official Use Only**

Date Rec'd.	Check No.	Method of Pmt.	Amt. Rec'd.

Last Name	First Name	Title/Certification
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____
7. _____	_____	_____

(Note: Two representatives per exhibit space are included in the registration fee. Additional representatives are welcome and need to pay an additional fee of \$50 each. Please include this amount in your check total.)





# Texas EMS Conference '98

November 22-25, 1998

Austin Convention Center—Austin, Texas

- Choose from more than 100 excellent continuing education workshops over three days taught by the leaders in EMS in Texas. You'll learn the latest advances in prehospital patient care, as well as having the opportunity to brush up on the basics.
- Top-quality preconference classes such as a two-day high angle rescue class, a two-day cave rescue class, plus many of the favorites from past years.
- Learn about the latest in EMS technology in the 80,000 square feet of exhibit space filled with state-of-the-art information and products.
- Your chance to network with 2,500 of your EMS friends!
- If you have questions, please call us at (512) 834-6700 or visit our web site at <http://www.tdh.state.tx.us/hcqs/ems/98conf.htm>.

## Agenda

### Sunday, November 22, 1998

- 1:00 pm - 7:00 pm Registration in Convention Center  
Inside Exhibit Hall
- 3:00 pm - 7:00 pm **Exhibit Hall Opens with Welcome Reception**

### Monday, November 23, 1998

- 7:00 am - 6:00 pm Registration in the Convention Center  
Inside Exhibit Hall
- 8:15 am - 9:30 am Opening Session  
Ballroom A-C
- 9:45 am - 10:45 am Workshop Breakouts  
Ballroom A, Rooms 4 - 10 (Third floor)
- 10:00 am - 6:00 pm **Exhibit Hall Open**
- 11:00 am - 12 noon Workshop Breakouts  
Ballrooms A-C, Rooms 4 - 10 (Third floor)
- 12 noon - 1:00 pm Lunch in Exhibit Hall
- 2:00 pm - 3:00 pm Workshop Breakouts  
Ballrooms A-C, Rooms 4 - 10 (Third floor)
- 3:15 pm - 4:15 pm Workshop Breakouts  
Ballrooms A-C, Rooms 4 - 10 (Third floor)
- 4:30 pm - 5:30 pm Workshop Breakouts  
Ballrooms A-C, Rooms 4 - 10 (Third floor)

### Tuesday, November 24, 1998

- 7:00 a.m - 5:00 pm Registration in the Convention Center  
Inside Exhibit Hall
- 7:30 am - 8:30 am Early Bird Workshop Breakouts  
Ballrooms A-C, Rooms 4 - 10 (Third floor)



8:45 am - 9:45 am Workshop Breakouts  
Ballrooms A-B, Rooms 4 - 10 (Third floor)

10:00 am -11:45 am **Exhibit Hall Open**  
(closed during Awards Luncheon)

10:00 am -11:00 am Workshop Breakouts  
Ballrooms A-B, Rooms 4 - 10 (Third floor)

11:45 am -1:15 pm Awards Luncheon  
Exhibit Hall (Overflow seating in Ballroom C)  
(Exhibit Hall open immediately after  
Awards Luncheon)

1:15 pm - 5:00 pm **Exhibit Hall Open**

2:00 pm - 3:00 pm Workshop Breakouts  
Ballrooms A and B, Rooms 4 - 10 (Third floor)

3:15 pm - 4:15 pm Workshop Breakouts  
Ballrooms A-C, Rooms 4 - 10 (Third floor)

4:30 pm - 5:30 pm Workshop Breakouts  
Ballrooms A-C, Rooms 4 - 10 (Third floor)

5:00 pm **Exhibit Hall Closes**

**Wednesday, November 25, 1998**

8:30 am - 9:30 am Workshop Breakouts  
Ballroom A-C, Room 6

9:45 am - 10:45 am Workshop Breakouts  
Ballroom A-C, Room 6

11:00 am - 12 noon Workshop Breakouts  
Ballroom A-C, Room 6

**Conference Adjourns**

**Conference Hotels**

Hyatt \$70/\$95  
(Host Hotel)  
(512) 477-1234

Radisson \$70/\$95  
(512) 478-9611

Four Seasons \$95/\$105  
(512) 478-4500

Embassy Suites \$110/\$120  
(512) 469-9000

Marriott Capitol \$70/\$85  
(512) 478-1111

Omni Hotel \$70/\$95  
(512) 476-3700

Sheraton \$70/\$95  
(512) 480-8181

*Rates listed are single/  
double*

**1998 Texas EMS Photography Contest entry form**

Photographer's  
Name \_\_\_\_\_

Employed by \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone (home) \_\_\_\_\_ (work) \_\_\_\_\_

**Mail to:** Jan Brizendine, Texas Department of Health  
1100 W. 49th Street, Austin, TX 78756-3199.

**Deadline for entering: November 1, 1998**

Tape this form to the back of the photo.  
For more information call Jan Brizendine at (512) 834-6748.

form on this page, tape it to the back of your photograph, and mail your entry to: Texas EMS Photo Contest, Texas Department of Health, 1100 W. 49th Street, Austin, Texas 78756-3199. Judges will select winning photographs based on artistic composition, originality, visual appeal, and good patient care.

- The Texas Department of Health will keep all photo entries and will have the right to publish entries in TDH publications. The photographer's name will be printed along with the photo. Ownership of the negative will remain with the photographer.
- Winning categories and prizes:  
One grand prize winner from all photos—\$100 and a plaque  
Two first place winners (one color and one black and white)—each wins \$75 and a plaque  
Second place—\$50 and a ribbon  
Third place—\$25 and a ribbon  
Honorable mention—\$15 and a ribbon

**Photo Contest Rules**

- Anyone is eligible; no entry fee is required.
- Entries must be received **no later than November 1, 1998**. Winners will

- be announced at the Texas EMS Conference, November 22-25, 1998.
- Unmatted prints **8x10 inches** or **5x7 inches** may be submitted in color or black and white. Fill out the entry



Want to take a pre-conference class? Here are the details.

# PreConference Classes

November 21-22, 1998

1. Participants **MUST** preregister for preconference classes. The cut-off date for sending your application **AND** your money is **October 1, 1998**. The registration form is on page 10 of this issue. Be sure to indicate which class you're registering for on the form.
2. Refunds subject to 9 percent administrative fee unless the class is canceled due to under enrollment. No refunds will be given after November 1, 1998 and no refunds will be issued until after the conference.
3. All classes will be in the hotels around the Convention Center, or, in the case of off-site classes, will meet at the Hyatt. Please pay close attention to where your class is meeting.
4. Any class that doesn't meet a minimum number will be canceled on October 5, 1998, and full refunds issued to those who signed up.
5. A current class roster, updated weekly, will be on the web site. If your name is not on there, **YOU ARE NOT REGISTERED FOR THE CLASS**. Confirmation cards will be mailed out October 15, 1998.

## Saturday/Sunday classes

### High Angle Rescue

16 - hour class, \$100\*

8 am - 5 pm

Austin Fire Department Training Tower and

Cliffs on the greenbelt

(Meet at the Hyatt)

**CE Category: Additional**

Learn the basics of high angle rescue in this comprehensive two-day introductory course. Participants will have hands-on training in rappelling, hauls/lowers, basic knots, anchors, patient assessment and patient packaging. This class will fill up fast. This class will award 16 hours of CE and includes all necessary equipment except personal helmets (fire okay) and leather gloves. Strictly limited to 25 students. Lunch and transportation will be included. For more information, please contact Rod Dennison or Mike Foegelle at (254) 778-6744 or email them at [rod.dennison@tdh.state.tx.us](mailto:rod.dennison@tdh.state.tx.us) or [mike.foegelle@tdh.state.tx.us](mailto:mike.foegelle@tdh.state.tx.us), or call John Green at (512) 448-8370 or email [john.green@ci.austin.tx.us](mailto:john.green@ci.austin.tx.us).

### Cave Rescue

16- hour class, \$100\*

8 am - 5 pm

Whirlpool Cave

Goat Cave (Meet at the Hyatt)

**CE Category: Additional**

Learn the basics of cave rescue in this comprehensive two-day course. This introductory cave class provides lots of hands-on training in patient assessment, patient packaging, hauls/lowers - all while underground in some of Austin's popular caves. This class will award 16 hours of CE. All necessary equipment is provided except leather gloves and knee pads. Strictly limited to 25 students. This class will fill fast so sign up early. Lunch and

transportation will be included. For more information, please contact Rod Dennison or Mike Foegelle at (254) 778-6744 or email them at [rod.dennison@tdh.state.tx.us](mailto:rod.dennison@tdh.state.tx.us) or [mike.foegelle@tdh.state.tx.us](mailto:mike.foegelle@tdh.state.tx.us) or contact John Green at (512) 448-8370 or email [john.green@ci.austin.tx.us](mailto:john.green@ci.austin.tx.us).

### Advanced Cardiac Life Support (ACLS)

16-hour class, \$195, Austin Convention Center

8 am - 5 pm

**CE Category: Cardiac**

This popular class will teach you the skills that are fundamental for the advanced care of cardiac patients. The class, which is appropriate for advanced personnel, awards 16 hours of CE and is limited to 40 students. Presented in conjunction with Scott and White Continuing Medical Education. For information on class content, call DeeDee Gee at (254) 724-3197.

### EMS Managing Hazardous Materials

16-hour class, \$35, Radisson

8 am - 5 pm

**CE Category: Medical**

Come and see how EMS can respond to a hazmat incident in this hazardous materials class designed specifically for EMS responders. 16 hours of CE. Class limited to 50 students. Call Betsy DuBard at (512) 834-6700 for more information.

### Infection Control in the 90s

16-hour class, \$75, Hyatt

8 am - 5 pm

**CE Category: Medical**

Learn the basics of infection control in the prehospital setting in this class, which awards 16 hours of CE. The class will cover the state and federal laws and how to create and implement protocols for your service. Class limited to 40 students. For information on class content, call Blas Meza at (915) 771-6391.



### **Klown Kollege**

12-hour class, \$40, Hyatt

9 am - 5 pm Saturday

9 am - 3 pm Sunday

**CE Category: Additional**

Learn to be a safety clown from Who Who the Safety Clown in this class, which awards 12 hours of CE. Strictly limited to 15 students. For information, call Dean Baswell at (940) 322-1506.

### *Sunday classes*

### **Pediatric BTLS (Basic Trauma Life Support)**

8-hour class, \$100, Hyatt

8 am - 5 pm

**CE Category: Special Patients**

This popular course teaches the key components of managing a pediatric trauma patient. The class, which is appropriate for both basic and advanced personnel, awards 8 hours of CE and is limited to 30 students. For information on class content, call Leon Charpentier at (254)699-2688 or email him at hhfd@vvm.com.

### **Moulage**

4-hour class, \$35, Hyatt

12 pm - 4 pm

**CE category: Additional**

Learn the basic concepts of disaster make-up using simple, easily purchased materials. Techniques covered include bruising, lacerations, burns and penetrating injuries. Wear old clothes that can get ruined! This class awards four hours of CE. Class limited to 30 students. For information on class content, call Lee Sweeten at (830) 278-7173 or email him at lee.sweeten@tdh.state.tx.us.

### **Educational Site Review (No CE)**

8-hour class, \$20, Hyatt

8 am - 5 pm

This class is designed to prepare you to be a peer reviewer in the educational site visit process. The class is limited to 50 people and DOES NOT award CE. To be a peer reviewer, you must be a medical director or paramedic with certification as an EMS instructor, and you must be associated with a program that has undergone a site review visit. However, anyone may come to the class. To be considered as a peer reviewer, you must supply a CV or resume at the time of class. Use of individuals as peer reviewers will be at the sole discretion of the state training coordinator. For information, call Neil Coker or John Rinard at (806) 743-3218, or email Neil at alhnbc@ttuhsc.edu.

### **Cadaver Lab**

2-hour class, \$50, Austin Convention Center

8:30 am - 10:30 am

11:00 am - 1:00 pm

2:30 pm - 4:30 pm

**CE Category: Preparatory**

This two-hour course, co-sponsored by Scott & White Hospital and Temple College EMS Technology Program, will teach the basics of human anatomy using a cadaver. This class awards two hours of CE. On the registration form, number time preferences 1,2,3; assignments will be made on a first-come, first-served basis. Each class limited to 25 students. No class assignments will be made without payment received. You will receive a confirmation with your class time listed. For more information on class content contact Diane Simpson at Scott & White at (254) 724-8981 or email her at disimpson@swmail.sw.org.

Other groups pre-conference activities:

### **Valsalva Competition**

Call TAEMT's Jerry Reichel at (409) 345-6352

**Trauma Nurse Core Course** Call Jackie Brock at (214) 590-8268

**Texas Association of Air Medical Services** Call Tom Flanagan at (713) 704-3502.

**Texas Ambulance Association** Call Ron Beaupre at (972) 417-2878.

**EMS Educators Association of Texas** Call Jeff Jarvis at (254) 724-8981 for information on pre-conference educators class.

Activities at no charge:

**Ride out with Austin EMS** Want a chance to ride out with an urban service that responds to about 60,000 calls a year? Austin EMS is offering ride-outs at no charge during the conference. Different times are available. Sign up at the conference registration booth beginning Sunday on a first-come, first-serve basis. Bring dark pants and shoes and a white, collared shirt. Call James Shamard at (512) 448-8380 or email him at james.shamard@ciaustin.tx.us.

### **Tour Brackenridge's Level II Trauma Facility**

See what a Level II Trauma Facility has to offer. Different times available; no charge for the tour. Sign up at the conference registration booth beginning Sunday on a first-come, first-serve basis. Call Mike Berg at (512) 473-9591 or email him at mberg@onr.com.

\* Lunch and transportation included. For registration information, call (512) 834-6700 or visit our web site at <http://www.tdh.state.tx.us/hcqs/ems/98conf.htm>



**M O N D A Y**

Room/ Capacity	Ballroom A (1,444)	Ballroom B (304)	Ballroom C (360)	Room 4 (190)	Room 5 (219)	Room 6 (322)	Room 8 (265)	Room 9AB (252)	Room 9C (258)	Room 10 (330)	
8:15 am - 9:30 am <b>BAXTER LARMON, PHD</b> INITIAL PATIENT ASSESSMENT <i>(Preparatory)</i> BALLROOMS A—C											
9:45 a.m. - 10:45 a.m.	Shook, MD Pediatric Medical Emergencies <i>(Special Pts)</i>			<b>Educators Track Coker/ Cason</b> Paramedic Curriculum Update <i>(Additional)</i>	Rodriguez Quality Improvement: Just Do It! <i>(Additional)</i>	Windham, MD The Difficult Airway <i>(Prep)</i>	Meyer A Good Death & How to get One <i>(Additional)</i>	Lawrence Rashes & Lesions: Problem or Not? <i>(Medical)</i>	J. Rubin, PhD Physiology & Management of Chemical Burns <i>(Trauma)</i>	Mailman, MD Dive Injuries <i>(Medical)</i>	
11:00 a.m. - 12:00 a.m.	Van Ness, MD Diagnosis & Management of Seizures <i>(Medical)</i>	Salter/ Beeson Gravida Who? Para What? <i>(Special Pts)</i>	Ayres, Jr., JD Current De- velopments in Claims Against EMS <i>(Additional)</i>	Barnes Teaching Clinical Decision Making <i>(Additional)</i>	Tapia The Survival Protocol... What the Rush Really Means to You <i>(Additional)</i>	Aguilar Domestic Preparedness for Counter Terrorism <i>(Trauma)</i>	Villers Trends in Cardiac Research <i>(Cardio)</i>	<b>Trauma Nursing Track Eichhorn</b> Critical Incident Stress Management <i>(Additional)</i>	Yates Management of the Dialysis Patient <i>(Medical)</i>	Sirbaugh, DO Pediatric Respiratory Failure <i>(Special Pts)</i>	
2 p.m. - 3 p.m.	Larmon, PhD Myths of Assessment <i>(Prep)</i>	<b>EHCAC</b>		Ayres, Jr. JD, Clinchy, PhD & Gandy, JD Mock Trial <i>(Additional)</i>	Jarvis/ Voskamp Implemen- ting the WECM <i>(Additional)</i>	Waites ICS & MCIs: Whose on First? <i>(Additional)</i>	Wuertz Post HIV Exposure Chemo- prophylaxis <i>(Medical)</i>	Stevenson Bloaters & Puffers: COPD in Review <i>(Medical)</i>	Gutierrez Preventing Transfer/ Transport Violations <i>(Additional)</i>	Hinson Advanced Drug Calculations <i>(Preparatory)</i>	Criddle Trauma Dynamics: How Things Break <i>(Trauma)</i>
3:15 p.m. - 4:15 p.m.	Simonson, DO Shock: Does it Really Exist? <i>(Prep)</i>	<b>EHCAC</b>		[Continued from above] <i>(Additional)</i>	Van Meurs Clinical Problem Solving <i>(Additional)</i>	Charpentier/ Nelson Open Records & EMS Run Sheets <i>(Additional)</i>	Epley Airway: Basics & Beyond <i>(Prep)</i>	Anderson Women & Heart Disease: The Silent Epidemic <i>(Cardio)</i>	Neethling Pediatric Traumatic Brain Injury <i>(Special Pts)</i>	Hooks Dangerous Marine Life <i>(Medical)</i>	Salter Assessment & Mgmt of Chest Trauma <i>(Trauma)</i>
4:30 p.m. - 5:30 p.m.	Bolleter The Realities of Pain Control <i>(Prep)</i>	<b>EHCAC</b>		Coll Hepatitis C: The Latent Threat <i>(Medical)</i>	Nolette/Cole Multiple Intelligence <i>(Additional)</i>	Atha How to Get your Degree Without Ever Setting Foot in a Classroom <i>(Additional)</i>	Pickard Child Sexual Abuse: They're Waving Red Flags <i>(Special Pts)</i>	Madigan Care of the Intoxicated Trauma Patient <i>(Trauma)</i>	Flanagan History of Flight Nursing <i>(Additional)</i>	Atwell Retrograde Intubation: An Advanced Airway Alternative <i>(Preparatory)</i>	Voskamp Setting New Dimensions in Stroke Manage- ment <i>(Medical)</i>



**T U E S D A Y**

Room/ Capacity	Ballroom A (1,444)	Ballroom B (304)	Ballroom C (360)	Room 4 (190)	Room 5 (219)	Room 6 (322)	Room 8 (265)	Room 9AB (252)	Room 9C (258)	Room 10 (330)
7:30 a.m. - 8:30 a.m.	Genzel, MD Pre-Cardiac Arrest Care & Resuscita- tion ( <i>Cardio</i> )	Racht, MD Playing Well with Others. . . ( <i>Additional</i> )	Pearse Diabetes for Dummies ( <i>Medical</i> )	<b>Educators Track</b> Bolleter Speaking Easy ( <i>Additional</i> )	Rodriguez Managed Care & EMS ( <i>Additional</i> )	Dodson Think Child Safety: A Community Approach . . . ( <i>Special Pts</i> )	Stipetic Mgmt of Pit Viper Envenoma- tions ( <i>Medical</i> )	Anderson ABGs Made Easy ( <i>Medical</i> )	Berg Pharmacology for the New EMT Curriculum ( <i>Preparatory</i> )	Wright/ S. Warren Trauma Designation & You ( <i>Trauma</i> )
8:45 a.m. - 9:45 a.m.	Racht, MD To Board or Not . . . New Concepts. . . ( <i>Trauma</i> )	Phillips Seizures & Convulsions ( <i>Medical</i> )		Gandy, JD Legal Concerns for EMS Educators ( <i>Additional</i> )	Lanier, Jr. Dead Medics Don't Care & They Tell No War Stories ( <i>Additional</i> )	Majorowski Patient/Scene Assessment ( <i>Prep</i> )	DeLorenzo, MD Tactical Emergency Care ( <i>Additional</i> )	K. Rubin Acute Renal Failure ( <i>Medical</i> )	Lockman Antidotes: Savior or Devil? ( <i>Medical</i> )	Genzel, MD Post Onset Cardiac Stabilization ( <i>Cardio</i> )
10 a.m. - 11 a.m.	Bolleter What Arnold Never Told You ( <i>Additional</i> )	Lawrence Multi- Agency Response to Acts of Terrorism ( <i>Trauma</i> )		Sharp Wellness: What's Required/ Needed ( <i>Additional</i> )	Rodriguez Risk Mgmt: Don't Let EMS Cost an Arm & a Leg ( <i>Additional</i> )	George, MD Recent Changes in the Treatment of TBI Pts ( <i>Trauma</i> )	Neff Thrombo- lytics in Acute Brain Attack ( <i>Medical</i> )	White The Autonom- ic Nervous Sx & Emergency Medicine ( <i>Preparatory</i> )	Gandy, JD Pharmacology Review for BLS & ALS Providers ( <i>Preparatory</i> )	Genzel, MD EMS at Mass Gatherings ( <i>Additional</i> )
2:00 p.m. - 3:00 p.m.	DeLorenzo, MD Chem/Bio Weapons Toxicology ( <i>Medical</i> )	Yates Mgmt of Behavioral Emergen- cies ( <i>Special Pts</i> )		Pickard Politics of CISM. . . ( <i>Additional</i> )	Swatzyna Psychological Trauma: The Human Response ( <i>Special Pts</i> )	Madigan Diabetic Emergencies ( <i>Medical</i> )	Phillips Mgmt of Cardiogenic Pulmonary Edema ( <i>Cardio</i> )	Frey Drug Calcula- tions for the Mathematical- ly Challenged ( <i>Preparatory</i> )	Taylor Delayed Transport/ Wilderness Medicine ( <i>Additional</i> )	Hinson Head Trauma: Drunk or just Stupid? ( <i>Trauma</i> )
3:15 p.m. - 4:15 p.m.	Moore, MD Hypothermia in the Trauma Pt ( <i>Trauma</i> )	Haschke, Beeson, David & Salter Managing	Genzel, MD Advanced Concepts for the Veteran Paramedic ( <i>Prep</i> )	Liles PMS in EMS ( <i>Additional</i> )	Charpentier Americans With Disabilities Act & EMS Hiring ( <i>Additional</i> )	Clinchy, PhD Pediatric Pts Ain't So Scary ( <i>Special Pts</i> )	Villers Toxicology: Principles & Case Studies ( <i>Medical</i> )	Stadthagen 12 Lead ECG ( <i>Cardio</i> )	Rubin, PhD Roles & Re- sponsibilities at HazMat Incidents ( <i>Medical</i> )	Lockman The Ten Most Lethal Overdoses ( <i>Medical</i> )
4:30 p.m. - 5:30 p.m.	Harbert Even More Lizards, Gomers & Grandparents ( <i>Special Pts</i> )	the Difficult Airway ( <i>Prep-2 hrs</i> )	Voskamp 1997 National Asthma Guidelines ( <i>Medical</i> )	Glenn Crisis Intervention 101 ( <i>Special Pts</i> )	Eaddy/ Etheridge, Jr. Getting Medics Comfortable with Research ( <i>Additional</i> )	Lemley/ Almagueer DWI: EMS Role & Re- sponsibility ( <i>Medical</i> )	Gandy, JD True Stories from the Lawyer Patrol ( <i>Additional</i> )	[Continued from above] ( <i>Cardio</i> )	Neff Meningococ- cemia: Not Just Another Rash ( <i>Medical</i> )	Wuertz Drug Resist- ant Organ- isms' EMS Impact ( <i>Medical</i> )



W E D N E S D A Y				
Room/ Capacity	Ballroom A (1,444)	Ballroom B (304)	Ballroom C (360)	Room 6 (322)
8:30 a.m. - 9:30 a.m.	<b>Capt. M. Warren</b> No Right Way to do a Wrong Thing <i>(Additional)</i>	<b>Perez</b> Shots Across Texas <i>(Medical)</i>	<b>Frey</b> Spaces of Death: Why Rescuers Die in Confined Spaces <i>(Trauma)</i>	<b>Riley/Hendricks</b> Customer Service in EMS <i>(Additional)</i>
9:45 a.m. - 10:45 a.m.	<b>Bolleter</b> Because My Heart Tells Me So <i>(Cardiovascular)</i>	<b>Glenn</b> Critical Incidents in Communications <i>(Additional)</i>	<b>Monahan/Gray</b> CPAP: An Alternative to Airway Management. . . <i>(Medical)</i>	<b>Charron</b> Volunteer Issues <i>(Additional)</i>
11:00 a.m. - 12:00 p.m.	<b>Gonzalez, Jr.</b> Allergic Reactions <i>(Medical)</i>	<b>Click</b> Kids in Crisis: Sickle Cell Disease <i>(Special Pts)</i>	<b>Wilkerson</b> Do We Really Need to Immobilize Everyone? <i>(Trauma)</i>	<b>Majorowski</b> Tactical Medicine: Republic of Texas Standoff <i>(Additional)</i>

**Important Notes:**

- CE will only be given out immediately after a workshop.
- If you do not pick up your CE immediately after class, you will not be able to pick up the CE later.
- The workshops are filled on a first-come, first serve basis. If a class is filled when you arrive, you might be turned away. Have a second choice in mind.
- No one will be admitted late. If you arrive 10 minutes after class has started, you will not be admitted.

**How CE Works:**

- Step 1 Each session has an assigned CE content area. The CE rule requirements for each are listed below.
- Step 2 Pick up a CE form as you leave each session.
- Step 3 Write in your name and social security number on the top half of the CE form. This is your CE document; keep it for your records.
- Step 4 After the session, complete the bottom half of the form and the class evaluation.
- Step 5 Separate the two halves of the form and drop the evaluation boxes located near the registration desks.

**Lost CE will not be replaced**



By Eva Jo Scott, EMT-P

## Angels are made from the very best

*Editor's note: Paramedic Dee Seago died on March 1, 1998, in an ambulance crash.*

The first week of September 1996, my friends Dee, Janice, Jennifer and I were so excited about beginning our paramedic class at San Jacinto College North. By the second week, I'd had it. My mind was screaming, "This is the hardest thing I've ever done! Pharmacology! Who needs it?" By the third week, I was ready to take some of those drugs I'd learned about. Then ACLS. Who invented that anyway? Surely it wasn't a paramedic. It had to be a group of PhDs with nothing else to do. Cardiology? Oh, my gosh!

While I was busy crying, Dee and Janice were just trucking along, loving it all. Dee got on my nerves: "Shock, shock, shock, epi, shock, lidocaine, shock, etc., etc." She made it seem so easy. Once in a while I could encourage Janice to whine with me, but not often. After a while, Jennifer quit whining with me and started acting like Janice and Dee. They'd say, "This is so cool, I really have this all figured out."

By the grace of God, all four of us stuck it out. As you can probably imagine, Dee was great, instructor potential in everything; Jennifer, Outstanding

Paramedic of our class; Janice our leader; and me, the baby. We drove a minimum of 150 miles a night to attend class, clinicals, or other tortures San Jac had in store for us. (You know, you've been there: ACLS, BTLS, National Registry skills exam, TDH skills exams, etc.).

Finally after a whole year, all four of us passed the paramedic exam. Dee was first by passing the National Registry, then Jennifer, and finally Janice and I passed the TDH state exam. Janice called that day in September screaming, "I passed!!!" Dee and I were on shift and I refused to go home to check the mail. I couldn't bear the thought of knowing. After a couple of hours, Dee talked me into going home. The mail carrier was two houses down from mine. Dee said, "I see a large envelope." I didn't believe it because Dee couldn't see anything two houses away. Wouldn't you know: Dee was right as usual, and I was finally a paramedic. I would have never made it without Dee, Janice and Jennifer, who would not let me quit.

Then tragedy struck; Dee was killed in the line of duty. In a sense, Dee was my ideal. She was so smart, so compassionate, so everything that makes a wonderful paramedic and friend. I tried to second-guess why God

would allow this to happen. Why did such a kind and gentle soul have to go at such a young age? I really haven't figured it out yet, but what I have come up with is that God makes angels only from the very best.

So Dee, here's to you. You lived every day as if it was your last. You loved your family and friends. You stood up for your family and friends. You would have given your life for any one of us. You loved to be the center of attention. I am proud to say that we sent you out "in the center of attention" with 300 medics, about 20 emergency units and a multitude of friends.

Our love for Dee was wholehearted. God welcomed her home, but please know that we shall miss her always. And she is missed by so many. I know she is no longer here physically, but spiritually she'll always live.

A memorial fund has been established in Dee's honor:  
Beaumont Municipal  
Credit Union  
Account Number: 10104  
Dee Seago EMS Scholarship  
Fund  
2490 IH-10 East  
Beaumont, TX 77703

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Eva Jo Scott is an EMT-P with Beaumont EMS.



## Is your EMS service mentioned in Local and Regional EMS News?

It needs to be! Are you planning a fundraiser? A training class? A public education program? Do you have new people on board? Have you elected new officers?

Send your news to:  
*Texas EMS Magazine*  
Kelly Harrell, Editor  
Bureau of Emergency  
Management  
1100 West 49th Street  
Austin, Texas 78756-3199  
(512) 834-6700

We welcome letters to the editor on EMS issues, magazine articles or other topics of interest. We print letters to the editor as we have space.

## Granger High School site of mock DWI crash

Granger High School, in Granger, was recently the site of a mock DWI drill. To coincide with Texas EMS Week, several agencies worked together to remind students and citizens about the dangers of drunk, drugged and reckless driving. Agencies participating in the drill were: Williamson County EMS, Bartlett EMS, City of Austin EMS Public Education Division, Snyder Salvage, Scott & White Hospital Medivac, Taylor FD, East Williamson County Emergency Care Team, Granger ISD, Granger VFD, Bartlett VFD, Williamson County Justice of the Peace Judy Hobbs, Condra Funeral Home, Granger Police Department, Williamson County Sheriff's Department, and Granger High School students, who played the victims.

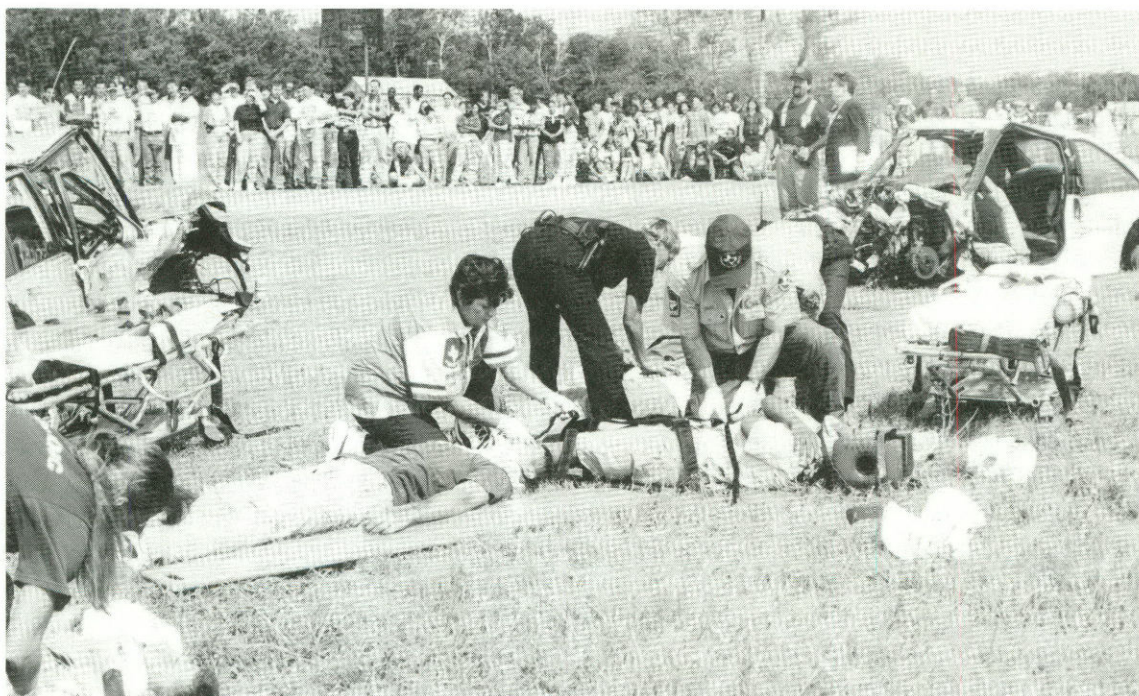
## Hallsville VEMS sponsors local Easter egg hunt

Hallsville VEMS sponsored an Easter egg hunt for children in Hallsville City Park last spring. The Easter bunny was played by Vernon Burks, EMT. HVEMS serves the western Harrison County with two new ambulances, one of which was purchased partly using a Local Projects grant.

## Family Health and Safety Expo '98 held in Austin

In May, more than 2,000 people attended the Family Health and Safety Expo '98, formerly known as CPR Saturday, in Austin. Offered at the expo were free CPR and airway management classes, interactive health and safety booths, and outdoor activities such as rappelling demonstrations. Agencies spon-

*Medical personnel from several agencies treat "victims" during a mock DWI crash held at Granger High School. The agencies staged this drill to coincide with graduation and to remind the students and the citizens about the dangers of drunk driving.*





## LOCAL AND REGIONAL EMS NEWS

soring the expo included: the American Heart Association, American Red Cross, Austin EMS, Austin FD, Austin Junior Forum, Austin PD, St. David's Healthcare Partnership, Seton Healthcare Network, Travis County EMS and Travis County Medical Society.

### Southern Hill Co. EMS receives new ambulance

Southern Hill County EMS Inc., in Hubbard, recently took delivery of a 1998 McCoy Miller mini-mod ambulance. A grant from the George G. & Alva Hudson Smith Foundation and support from the surrounding communities helped SHCEMS to purchase the new ambulance.

### Belton FD Swift Water Rescue Team receives national award

The City of Belton FD Swift Water Rescue Team received an Award of Merit from the National Water Safety Congress in June. The award recognized BFD for "outstanding efforts and accomplishments in the prevention of water-related accidents and drowning within a large region of the nation." The National Water Safety Congress is made up of the U.S. Corps of Engineers, the U.S. Coast Guard and organizations concerned with water safety. The award was accepted on behalf of BFD by a representative of the Corps of Engineers for the Belton and Stillhollow Reservoir at the International Boating Water Safety

*Pictured are the Easter bunny, aka Vernon Burks, EMT, and the winners of the Easter egg hunt held in Hallsville. Hallsville VEMS sponsored the Easter egg hunt for the local children.*



Summit. The 16-member team is the only recognized Swift Water Rescue Team in Bell County.

### Wichita Falls FD makes first AED save

Wichita Falls FD recently purchased AEDs for all first responder engines, rescue trucks and squad companies. The 15 Laerdal Heartstart 9-1-1 AEDs were purchased with a \$41,000 grant from the United Regional Health Care Foundation in Wichi-

ta Falls. Within 72 hours of putting the AEDs into service, Wichita Falls FD accomplished its first AED save. WFFD converted the patient, who was in full cardiac arrest, with one shock and the patient had a strong pulse and was breathing before the ambulance arrived.

### Galveston FD makes a quick save with new AED

Galveston FD had Heartstream SAEDs on its engines for

*Southern Hill County EMS Inc. recently took delivery of a new 1998 ambulance. Pictured, left to right, back row, are Willie Hunt, EMT; Gerald Clore, Jr., EMT; John Kuykendall; and Tim Dennis, EMT-P. In the front row is Carol Armstrong, EMT.*





## LOCAL AND REGIONAL EMS NEWS



*Belton FD Swift Water Rescue Team received national recognition for its efforts in the prevention of water-related accidents and drownings from the National Water Safety Congress. Pictured are team members, from left, Frank Irons, firefighter, EMT; Bruce Pritchard, team coordinator, EMT-P; Tom Nance, firefighter; Roy Harmon, fire chief, EMT-P; and Kenneth Drake, firefighter, EMT-P.*

only seven days when firefighters responded to a cardiac arrest involving an 11-year-old girl. Arriving on scene one minute after being dispatched, GFD first responders begin administering the shock within two minutes of the original distress call. She was resuscitated by GFD and a Galveston EMS crew and suffered no long-term damage. The cause of the child's cardiac arrest was a disconnected wire on the her pacemaker.

### Texas-1 DMAT train in Operation Lonestar

Members of the Texas-1 Disaster Medical Assistance Team - Metroplex Division participated in Operation Lonestar, a joint military/civilian training exercise, in July. Participants in Operation Lonestar, held in Laredo, provided medical and dental care for community residents, assisted Laredo

with civil engineering projects and held a joint military/civilian mock disaster drill for the city of Laredo, TX-1 DMAT and the U.S. military. These exercises were in response to recent federal legislative changes that allow civilian and military forces to train together, giving each a better understanding of their responsibilities during a disaster. TX-1

DMAT - Metroplex Division, the newest of four divisions in Texas, currently has more than 70 active members.

### TDH staff tours South Texas during Texas Public Health Week

Texas Department of Health Public Health Region 11 sub-office

*The first EMT classes graduated from Carroll High School in May. Last fall, Southlake DPS began teaching the EMT curriculum as a health science elective to seniors.*





## LOCAL AND REGIONAL EMS NEWS



Harker Heights FD recently gave Medals of Valor to several current, former and volunteer personnel who had gone beyond the call of duty. Recipients of the Medals of Valor were, from left, back row, David Lindsley, Andrew Foulkrod, Robert Terry, Paul Hitchcock, Larry Hardcastle; and front row, Brian Davis, Cynthia Foulkrod, Leon Charpentier, Steve Philen. People who received medals but are not pictured are Terry Valentino, Robert Johnson and David Kingsley.

in Corpus Christi distributed EMS educational information, along with information from other TDH programs, throughout several South Texas communities during Texas Public Health Week, April 6-

11, 1998. Communities visited during that week were Kingsville, Falfurrias, Premont, Benavides, San Diego, Alice, Beeville, Refugio, Sinton, Rockport, Aransas Pass and Port Aransas. The information



Some people instrumental in assisting WFFD's purchase of the AEDs were Mark Arrowood, Laerdal; Jerry Bradshaw, TDH Public Health Region 2; Garrett Oliver, United Regional Health Care Foundation; Ronnie James, WFFD fire chief; and Al Garcia, WFFD EMS coordinator.

was distributed at doctors' offices, EMS stations, Department of Human Services offices and day care centers.

### Harker Heights FD honors personnel

Harker Heights FD awarded the department's first Medals of Valor to several current, former and volunteer firefighters in June. The awards were given to firefighters who had gone beyond the call of duty to preserve the life of another. The medals were presented to the recipients during an awards dinner. Each recipient received a ribbon with the Medal of Valor attached to it, a certificate plaque stating why they were being honored and a Certificate of Valor from the Congressional Fire Services Institute. Recipients of the Medals of Valor are listed with the picture to the left.

### Carroll High School graduates first EMT class

In an effort to become more involved in the community, Southlake DPS began teaching the EMT curriculum at Carroll High School near Dallas in August 1997. In May, the first group of students graduated from the program. Instructed by firefighter/paramedics, the students completed 130 hours of classroom instruction and then completed field and clinical rotations. Carroll ISD has accepted the curriculum as a health science elective for seniors.



# LOCAL AND REGIONAL EMS NEWS

## Texas Department of Health EMS Offices

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**Public Health Regions 2 & 3**  
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Jerry Bradshaw  
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**Public Health Region 6**  
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**Public Health Region 7**  
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**Public Health Region 8**  
Lee Sweeten  
1021 Garner Field Road  
Uvalde, Texas 78801  
(830) 278-7173

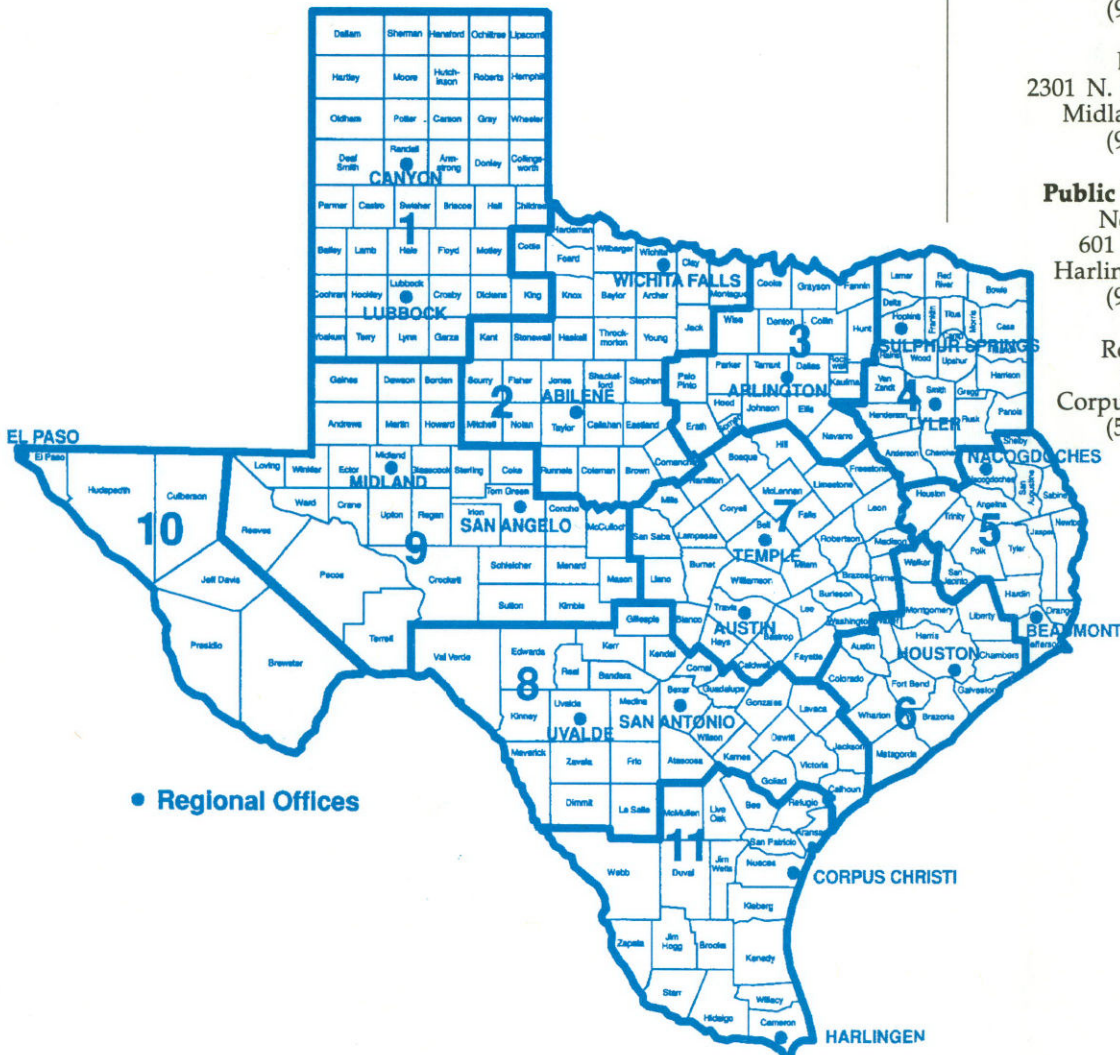
Steve Hanneman  
Fernando Posada  
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Leland Hart  
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Midland, Texas 79705  
(915) 683-9492

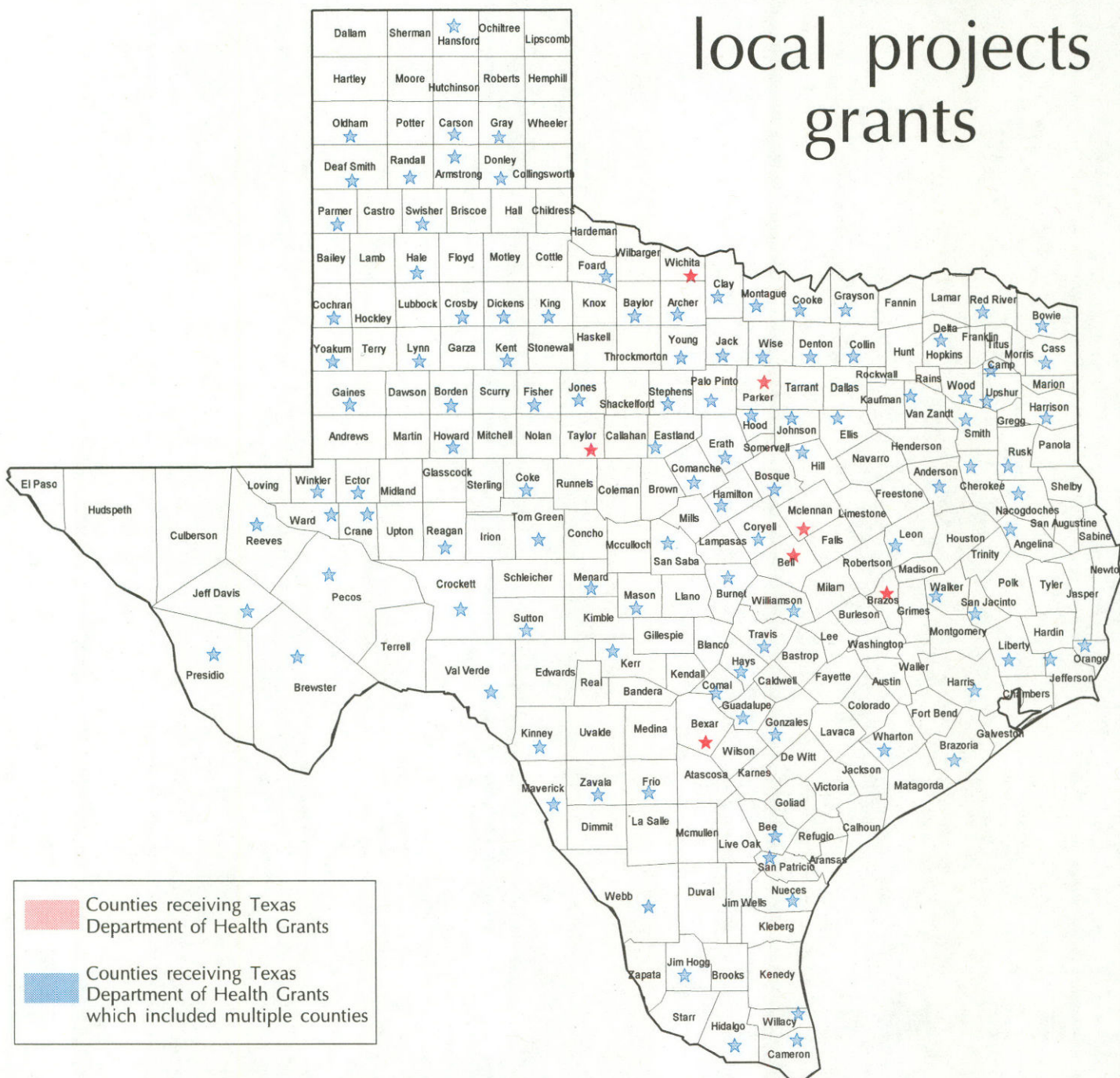
**Public Health Region 11**  
Noemi Sanchez  
601 W. Sesame Dr.  
Harlingen, Texas 78550  
(956) 423-0130

Rothy Moseley  
1233 Agnes  
Corpus Christi, Texas 78401  
(512) 888-7762





# 1998 EMS local projects grants



## Local Projects Grants Awarded

This year the bureau received 256 proposals. Of those, 170 were approved, which included 22 ambulances, 51 AEDs, 19 monitor-defibrillators, 4 RACs, and 2 provider associations. Emphasis was placed on grants that would upgrade the level of service available, like AEDs to BLS units, reduce response time, or improve patient care capabilities on a county level.

Due to a change in policy at the Texas Department of Health's Grants Office, next year's proposals will be due by 5pm on **Monday, April 5, 1999**. We anticipate that the Request for Proposal will be published in the Texas Register in December or January with the usual mail out just after publication. Questions? Contact Terri Vernon at 512/834-6700 or email [terri.vernon@tdh.state.tx.us](mailto:terri.vernon@tdh.state.tx.us)



By  
Neil Coker, BS,  
EMT-P

Neil Coker is the state EMS training coordinator. Call him at (806) 743-3218 or email him at ALHNBC@TTUHSC.EDU

## Frequently asked questions about EMS Education

**Q.** *How many hours will be needed to teach the revised DOT Paramedic Curriculum?*

**A.** Rather than requiring a specific number of hours, the 1998 Curriculum suggests the following ranges. According to the developers, each range's mid-point is the estimated time to teach the curriculum to "average" students using "average" resources.

Classroom .....	350 to 400 hours
Laboratory .....	150 to 200 hours
Hospital clinical .....	250 to 300 hours
Field internship .....	250 to 300 hours
Total .....	1000 to 1200 hours

It's worth noting that the Course Guide for the 1985 curriculum recommends 700 to 1000 hours of classroom, clinical and field time.

The new curriculum does NOT include specific clinical rotation sites or hours. Instead, core skills in which

the student must demonstrate competence, and patient complaints and age groups with which students must have contact, are identified. The curriculum provides recommendations on numbers for skill performances and patient contacts. However, programs may develop other ways of meeting these requirements.

In the pilot test at Pittsburgh, students were able to accomplish the skill proficiency checks and patient contacts during the following clinical rotations. These are NOT specific requirements from the curriculum. However, these hours were necessary to satisfy the curriculum's requirements in a university teaching hospital and during field internship with a large urban EMS provider. Programs in other settings may require different amounts of time or may need to use other clinical settings.

Emergency Department .....	100 hours
Pediatrics .....	32 hours
Critical Care .....	24 hours
Anesthesia .....	8 hours
Operating Room .....	8 hours
IV Team .....	8 hours
Psychiatry .....	8 hours
Labor and Delivery .....	8 hours
Morgue .....	4 hours
Electives .....	16 hours
Field Internship .....	300 hours
<b>Total Clinical Component ...</b>	<b>516 hours</b>

The final version of the 1998 Paramedic National Standard Curriculum is available on the World Wide Web at [www.pitt.edu/~paramed](http://www.pitt.edu/~paramed).

### For Your Information....

**Q:** *Can a provider place signs on their vehicles indicating a specific level of care even though that truck may not provide that level of care at all times?*

**A:** If a provider chooses to place signs on its trucks, it must be specific to that truck at that time, e.g., a BLS crew cannot respond in a truck labeled MICU. Some providers now use magnetic signs or signs that slide into permanent sign holders (brackets) on their trucks. By using these, they can easily change the sign indicating level of care, unit number, etc., as often as needed. —Mark Huckaby



By  
Linda Reyes

# Frequently asked questions about EMS Standards

**Q:** One of my friends is gathering continuing education (CE) certificates because you are auditing his CE records. If I am ever selected for audit, will you contact my employer for my records since they keep up with all CE material for the firm?

**A:** Continuing Education Rule 157.38 is very explicit about who is responsible for maintaining CE records. **The burden of proof of CE participation/completion shall rest solely on the certificant.** You should keep all documents that record completion, such as course certificates, verification letters written on official letterhead, or notification from the Texas Department of Health (TDH) Education Program of the number of hours allowed from academic records.

- **Course certificates** - the CE provider shall furnish each participant documentation of completion specifying the CE provider, title, date and location of program, content areas and contact hours, and grades or Pass/Fail, if applicable.

- **Verification letter written on official letterhead** - signed letter from a provider or training coordinator, specifying the CE provider, title, date and location of program, content areas and contact hours, and grades or Pass/Fail, if applicable.

- **Notification from the Texas Department of Health (TDH) Education Program** of the number of hours accrued from academic records - a letter from the Education Program notifying you of the number of CE hours you have been awarded after evaluation of your academic records.

We will **not accept** your personal CE logs, attendance rosters or group training records. The CE rule also states records should be maintained by the certificant for a minimum of five years from the date of the application for recertification.

**Q:** I am trying to comply with the CE audit requirements, but I can not find a course completion certificate for a course I completed last year. What can I do to prove I completed the class?

**A:** Contact the provider and ask for a copy of the course certificate or verification in writing. The CE provider is responsible for furnishing each participant documentation of completion specifying the CE provider, title, date and location of program, content areas and contact hours, and grades or Pass/Fail, if applicable.

September/October 2000  
CE Summary Report Due

If your certification expires  
in September or October  
2000, your CE summary  
report is due now.

EMS Standards  
Internet certification  
verification now on our  
web site: <http://www.tdh.state.tx.us/hcqs/ems/certqry.htm>

Certification verification  
phone line:  
(512) 834-6769;  
Fax number:  
(512) 834-6736

Web home page  
address: <http://www.tdh.state.tx.us/hcqs/ems/stdndhome.htm>

**CORRECTED FROM LAST ISSUE**

Revised..... CE credit for the National Registry exam .....Revised							
Exam Level	Preparatory	Trauma	Cardio	Medical Emergencies	Special Patients	Additional Elective	Total Hours
EMT	4*	4*		8	4*		20
EMT-I	5	7*		11*	7*		30
EMT-P	5	10*	8*	11*	6		40

\*Satisfies content area minimum

CE credit for passing the National Registry examination is an option only once during the four-year certification period. If your expiration date is prior to September 2000, you can use either CE breakdown when reporting completed CE. After September 2000, everyone should use only the revised list.

Policies may be viewed on the Internet at: [www.tdh.state.tx.us/hcqs/ems/policies.htm](http://www.tdh.state.tx.us/hcqs/ems/policies.htm)

Email:  
[emscert@ems.tdh.state.tx.us](mailto:emscert@ems.tdh.state.tx.us)



BY KELLY HARRELL

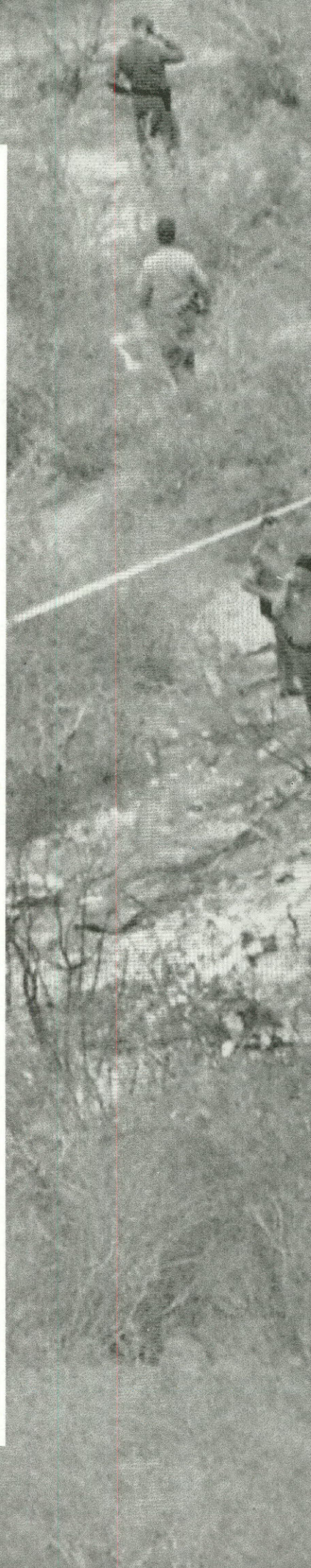
## *Honoring those who give their lives for EMS*

Just after 6 a.m. on Friday, June 5, the waiting began. Valley AirCare, an air ambulance serving most of South Texas, had lifted off from its Harlingen landing pad at 5:14 a.m. en route to an overturned 18-wheeler loaded with hazardous materials. At 5:29 a.m., the pilot radioed that the chopper was about 16 minutes away from the site of the wreck near the Starr County and Brooks County line. Ten minutes later, the pilot informed dispatch that he was changing radio frequencies. The helicopter, carrying two paramedics and a pilot, never arrived at the scene. When efforts to contact the chopper failed, a search began.

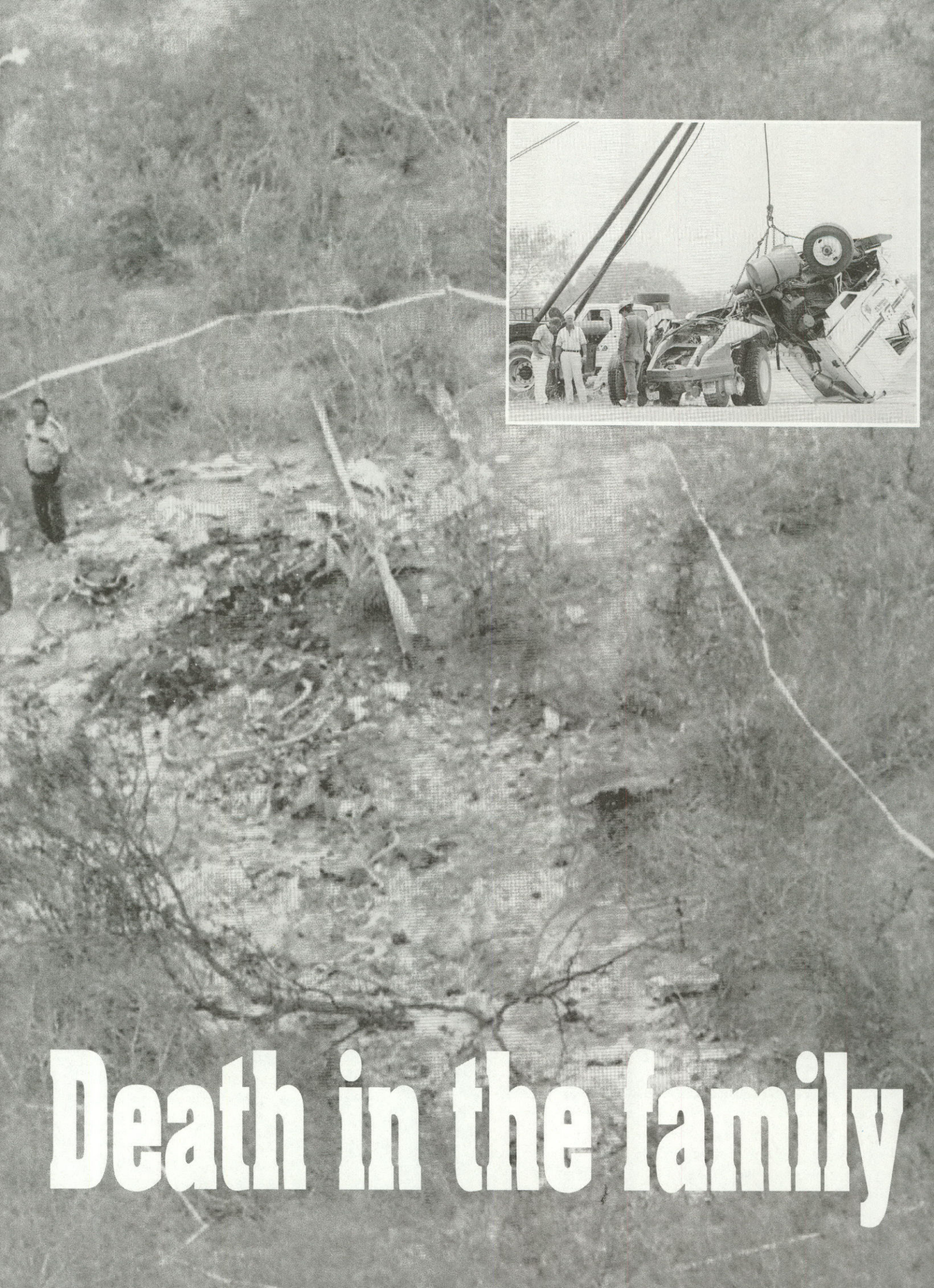
Back in Harlingen, word of the missing chopper spread quickly through the staff as personnel arrived for the 8 a.m. shift change. Still, the mood remained optimistic. Dispatch had not received a signal from the helicopter's emergency locator transmitter indicating that it was in trouble. People in the area of the wreck had heard the helicopter, but did not hear a crash. That seemed like good news.

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In the background photo, investigators search the site for clues to the cause of the crash. Inset: The helicopter crew was responding to an overturned 18-wheel truck two counties north of Harlingen. *Photos by Cindy Brown, McAllen Monitor*







# Death in the family



"We were so hopeful that they had landed and we would be hearing from them any minute," says Bill Aston, executive director of Harlingen Emergency Care Foundation, which manages Harlingen EMS and Valley AirCare. "We thought they might be having difficulty communicating."

But the word that reached crews early Saturday morning was not good. About 9:45 a.m. Saturday, a rescue plane had spotted the wreckage in an

area of brushy ranch land near the border of Starr County and Jim Hogg County. Photos of the scene showed evidence of a massive fire, with only the outline of the helicopter and part of the propeller remaining. Killed in the crash were flight nurse/paramedic Carlos De La Fuente, paramedic Brenda Leinweber and pilot Tony Martinez.

**M**ay and June were particularly dangerous months on the job for Texas EMS. In addition to the three with Valley Air Care, Deanene "Dee" Seago, a paramedic in Beaumont, died when the ambulance she was driving was hit broadside by a narcotics officer's car. The four deaths so far this year equal the number in all of 1994, when an airplane crashed, killing three, and a paramedic student died in a car crash on her way to class.

Yet the number of EMS people killed in the line of duty nationwide is still relatively small compared to other emergency professions. According to a police survivors' association, a law enforcement officer dies in the line of duty, on average, every 57 hours. Firefighters fare better. U.S. Fire Administration figures show that about 95 firefighters died on scene or while responding to or returning from the scene in 1997.

Although there is no organization in EMS that keeps an official count, the National EMS Memorial Service added 22 EMS personnel this year to the permanent EMS memorial located in the To the Rescue Museum in Roanoke, Virginia. Established in 1993, the memorial, which now lists 141 names, honors those who died while on duty assisting the sick or injured. In Texas, the Texas EMS Hall of Honor was unveiled at the 1993 EMS conference as a way to honor



Services for the three Valley AirCare personnel drew hundreds of mourners. Harlingen Emergency Care Foundation received thousands of sympathy cards in the weeks following the crash. *Photo by Ric Vasquez, Valley Morning Star*



those who gave their lives serving EMS in Texas. The large wood plaque, which has the names of the fallen engraved on brass plates, hangs at the TDH's main complex in view of the EMS Monument. New names are added to the plaque at Texas EMS Conference in November. The plaque, which can hold 28 names, currently lists 15 names.

"The sad thing to me is that the plaque is filling up a lot more quickly than I thought it would," says Gene Weatherall, chief of the Bureau of Emergency Management. "We envisioned it lasting about 20 years and it's simply not going to last that long."

**T**he National Traffic Safety Board is still investigating the Valley AirCare crash. Martinez, the pilot, had more than 3,000 hours of flight time

and was well-respected for his skill and professionalism. In the days after the crash, investigators were looking into the haze and smoke from the Mexican fires as a possible contributing factor, but officials have conceded they may never know what happened. Funerals for the three drew hundreds of mourners in the Valley and in Corpus Christi, Leinweber's hometown.

That outpouring of grief and sympathy doesn't surprise Weatherall. "What more noble job could you possibly have than saving lives?" he asks. "I envision when those people go to heaven, they get in the express lanes, the lanes reserved for people who dedicated their lives to helping others."

### Visit memorials electronically

**Texas EMS Hall of Honor**  
[www.tdh.state.tx.us/hcqs/ems/emshon.htm](http://www.tdh.state.tx.us/hcqs/ems/emshon.htm)

**National EMS Tree of Life**  
[www.naemt.org/nemsms](http://www.naemt.org/nemsms)

**National Fallen Firefighters Memorial**  
[www.usfa.fema.gov/ffmem/mem.htm](http://www.usfa.fema.gov/ffmem/mem.htm)

**National Police Memorial**  
[www.cowtown.net/Cop\\_Shop/memorial.html](http://www.cowtown.net/Cop_Shop/memorial.html)

## Texas EMS Hall of Honor

*Steven James Taylor*  
 EMT-Special Skills  
 June 23, 1981

*James Simpson*  
 ECA  
 November 29, 1984

*Glenn R. James*  
 EMT-Paramedic  
 September 1, 1988

*James Ed Thomas*  
 EMT-Paramedic  
 May 31, 1988

*Jeanne Lackey*  
 RN, EMT-Paramedic  
 February 13, 1989

*Gerald Morgan, Jr.*  
 Pilot  
 February 13, 1989

*Kathryn Ohnheiser*  
 RN, EMT  
 February 13, 1989

*Mark Beck*  
 EMT-Paramedic  
 July 24, 1991

*Larry Wright*  
 EMT  
 April 29, 1992

*Barry Allen Lawrence*  
 RN  
 February 10, 1994

*Brett Alan Martens*  
 Pilot  
 February 10, 1994

*William Drake Smith*  
 RN  
 March 16, 1994

*Kimberly Annette Neal*  
 EMT  
 June 13, 1994

*Debbie Marie Samson*  
 EMT  
 May 12, 1995

*Daniel Tharp*  
 EMT-Paramedic  
 September 13, 1997



# The EMS community responds

**I**n the business of saving lives, the spectre of death rides shotgun on every call. Every shift brings the possibility that someone won't make it. But it's usually a patient, not one of the crew. A line of duty death, or even the death of an off-duty member, can be devastating. The first reaction, according to medics interviewed for this story, is disbelief. Paramedic Eva Jo Scott was a friend and colleague of Dee Seago, the paramedic killed in an ambulance rollover last May. "My reaction was total disbelief, pro-

found grief, heartbreaking sadness, etc.," she says. "I could go on forever."

It used to be that grief was confined to small groups, with word slowly filtering through the EMS community. But the Internet is changing the way we find out about tragedy, the way we grieve and even the way we honor those who pass away. When Mark Reger died suddenly last summer, people posted long tributes to the longtime EMS instructor on the EMS listserver, an electronic news group. In June, hundreds of listserv subscribers followed the search for the Valley AirCare crew on the listserver, and then sent electronic sympathy notes to Valley AirCare

when the wreckage was found.

"During the first few hours we felt very much alone and it helped knowing

that other people understood what we were going through," says Bill Aston, executive director of the Harlingen Emergency Care Foundation, which manages Harlingen EMS and Valley AirCare.

And as soon as the media released the information about the crash, the phones began to ring. Valley Baptist Memorial Center sent a public relations team to handle the media, which was calling from all over the world. Many of the calls came from EMS organizations.

"Local services immediately began calling and offering to send personnel," says Aston. "We literally had phones ringing off the wall with offers of help. I can't even think of all that was offered."

Harlingen Clinical Coordinator Dennis Hebner concurs: "We had so many calls that we had to take a legal pad and write down offers of help as they came in. We never would have remembered them all."

In addition to covering shifts, people offered to answer phones, make copies and do all the hundreds of other tasks that needed to be done in the week following the crash. And many calls came from the public, which gratified the staff. Some offered help, but others just wanted to relay messages of sympathy. Cards and letters poured in by the thousands. Port Mansfield, a small town on the coast, sent a card signed by everyone in the community. "They went door-to-door and asked everyone to sign it," says Aston. "The community response was incredible. We saw that a lot of people truly supported the EMS program." —*Kelly Harrell*

## Memorial funds

Memorial funds for the families of the Valley AirCare personnel have been set up at the San Benito Bank and Trust Co. For more information, call (956) 412-1326.

**Carlos De La Fuente**  
Account #5094210027

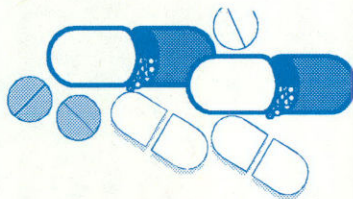
**Brenda Leinweber**  
Account # 5094210018

**Tony Martinez**  
Account #5094210027

An EMS scholarship fund has been set up in **Dee Seago's** name at Beaumont Municipal Credit Union. For more information, call Angel San Juan at (409) 899-1035.



# Drug News



## Hypertension drug recalled

Roche Holding AG recalled the drug Posicor, a one-year-old hypertension drug, because of potential fatal interactions with other medications. Roche scientists discovered the drug might interact with 25 other widely-used medications during follow up studies and this finding led directly to the withdrawal of Posicor from the market. Posicor, a calcium channel blocker, could potential interact with Viagra and several leading cholesterol-lowering drugs.

## Epinephrine weakened by high temperature


A recent study in Colorado found that epinephrine stored in ambulances loses significant potency over six months due to storage temperature. In this year-long study, epinephrine in ampules, multi-dose vials and injectable syringes was placed in ambulances in urban locations, ambulances in rural locations and in an EMS office (for control). The temperatures in those settings were recorded every ten minutes and samples of the medications were collected every three months. The study showed a significant drop in the strength of the epinephrine when the temperature varied from the recommended storage temperature. The manufacturer recommends storing epinephrine between 15-30 degrees C (59-86 degrees F). The

study recorded temperatures in the urban location ambulance ranging from 7.6-38.6 degrees C (45-101 degrees F) and from 11.2-40.2 degrees C (52-104 degrees F) in the rural location ambulance. Just one of several studies on ambulance-stored drugs, researchers are now looking into adulterated epinephrine as an explanation as to some of the outcome differences between EMS systems. From *EMS Insider*, "Ambulance temps weaken epinephrine," August 1998.



## Stupid heat!

Is the summer heat making you feel a little dull-witted? Studies have shown that when the heat index climbs higher than your skin temperature, your ability to react and perform simple tasks slips because your body's cooling system overloads. As your body has a harder time cooling itself, you get sweaty, flustered and fatigued. This is the time to watch out for heat-related illnesses. Even people whose bodies are acclimatized to the heat, such as construction workers, should take precautions when the heat hits higher than 95 degrees F. Even acclimatized, the human body cannot cool itself during times of extreme heat. From *Dallas Morning News*, "Stupid weather," July 19, 1998.

 **EMS Fact:** Research shows that if a driver is unbuckled, 70 percent of the time children riding in the vehicle won't be buckled either.  
—NHTSA



By  
John Monahan, EMT-P  
and Craig Gray, EMT-P

# Non-invasive continuous positive airway pressure ventilation

One in an occasional series about what's new in Texas EMS

In recent years there has been a growing use of continuous positive airway pressure (CPAP) ventilation in the treatment of pulmonary edema associated with congestive heart failure (CHF). This treatment modality has been utilized in conjunction with nitrates and loop diuretics in relieving symptoms associated with CHF. CPAP use in acute CHF has been isolated to emergency departments and intensive care units where it has been successfully proven as an effective adjunct in the management of CHF and pulmonary edema. A natural extension of this intervention is to expand CPAP use into the prehospital setting. In the past, paramedics encountering patients in severe respiratory distress with pulmonary edema have been limited to oxygen administration by mask or endotracheal intubation. CPAP provides paramedics a third option in the airway management of CHF patients. CPAP is a non-invasive procedure that is easily applied and discontinued without extensive patient discomfort. To test the efficacy of this procedure in the prehospital setting, Galveston EMS studied the effect of nasal CPAP of patients in severe respiratory distress associated with congestive heart failure. The preliminary study shows that prehospital CPAP may be the treatment of choice for


conscious pulmonary edema patients in the future.

In June 1997, Galveston EMS and University Texas Medical Branch at Galveston Departments of Emergency Medicine and Respiratory Therapy designed a study for the use of CPAP by prehospital personnel. The study was designed to determine the effectiveness of CPAP in the prehospital setting as an alternative adjunct to patients who presented with the signs and symptoms of CHF. The criteria for CPAP use was specific to patients with the signs and symptoms of CHF. Prior to the study, approximately 20 percent of all patients that presented to GEMS personnel with the signs and symptoms of CHF required advanced airway management via blind nasal intubation, direct laryngoscopy, paralytics or retrograde intubation. At that time, oxygen administration by EMS personnel was limited to supplemental oxygen and ventilatory support. CPAP provides a non-invasive means of supplemental oxygen delivery while providing a positive end expiratory pressure (PEEP) via a tightly fitted nasal mask to the patient. The operating pressures and  $FiO_2$  are adjustable with the former ranging from 0-30 cm  $H_2O$  and the latter from 1-100 percent. The primary function of CPAP is to apply continuous positive pressure to the patients that are at risk of inade-




quate oxygen exchange due to the accumulation of excess alveolar fluid in the lungs. Maintaining positive air pressure ensures that adequate gas exchange can occur at an optimal level and thus provides the patient with relief of symptoms. In the first six months of study, the use of CPAP resulted in a 90 percent reduction of endotracheal intubation of CHF patients. Those responding to CPAP did so within five minutes of application with a PEEP setting of 10 cm H<sub>2</sub>O. Changes in respiratory efforts were noted prior to the administration of nitrates, loop diuretics or ACE inhibitors. Signs of sympathetic overactivity such as tachycardia, hypertension, pallor and diaphoresis rapidly improved within this time. Visual inspection of chest wall movement revealed a decrease in respiratory labor and a reduction in verbal impairment. Patients who failed to respond were disconnected from CPAP, reevaluated and subsequently intubated. These patients were found to have extensive cardiac injury due to disease or acute MI. There was no fatal outcome with this device. The initial skepticism among Galveston EMS personnel about this device was quickly overcome by the successful results of CPAP in the field. All personnel had six hours of formal training; however, confidence in the procedure came with the first application of CPAP and the patient's rapid improvement that soon followed. The initial uncertainty about the device was not limited to GEMS personnel but also to some of the patients. Patients had to be reassured during the initial application that the force of air coming through the mask was beneficial and a more comfortable alternative to other invasive airway management devices. Patients who had been intubated on previous occasions for CHF said that while CPAP was slightly uncomfortable, it was much more tolerable than being intubated. There were no

patients who had to be discontinued on CPAP due to intolerance or discomfort from the device. The device for CPAP administration was comprised of Down's Flow Generator (Vital Signs Inc.), large-bore tubing, nasal mask and adjustable PEEP. Skilled personnel can complete the equipment assembly and application within one minute. The operation of the Down's Flow Generator is simple and PEEP settings are made using an adjustable dial. Unlike some electrical CPAP devices currently used in the hospital, the oxygen-powered generators used in the field by GEMS personnel are adjustable for oxygen delivery and FiO<sub>2</sub> only. The device is connected to portable oxygen cylinders so CPAP could be initiated in a house and continued to the emergency room.

In conclusion, the primary goal for using CPAP in the prehospital environment is to provide an alternative means of securing a viable oxygen exchange in CHF patients. The ABCs of EMS now have a less invasive and more comfortable alternative to providing oxygen to those who are on the threshold of endotracheal intubation. The utilization of CPAP is a decision that must be made with insight into and knowledge of the CHF process, and the personnel using this device need to be familiar with the effects of inappropriate use and the contraindications for use. The objective of Galveston EMS and UTMB, in providing this alternative means of oxygenating CHF patients and others, is to avoid the long-term effects that mechanical ventilation may have on this particular kind of patient. It is our goal to render the best possible patient care in the prehospital environment, and CPAP is the newest way we can contribute to that goal. 

Monahan and Gray are paramedics with Galveston EMS.

 **EMS Fact:** One in eight boys of high-school age have been physically or sexually abused. The highest rates of both types of abuse were reported by Hispanic and Asian-American boys. —Louis Harris and Associates, Inc.







*Thinking about*

# New guidelines in head injury management

## Case Presentation

EMS responds to a rider thrown from a horse. Upon arrival the medics find a 24-year-old female lying supine on the ground. Bystanders report that the patient was thrown forward off the horse to the found position and has been "unconscious" since landing. The patient was not wearing a riding helmet. Initial examination reveals a Glasgow Coma Score (GCS) of 6 (no eye opening, no verbalization, withdrawal from pain), shallow respirations of six per minute, and a strong, regular radial pulse of 100 beats per minute. An oral-pharyngeal airway is placed and the patient's respirations are supported with a bag-valve-mask and 100 percent oxygen. A rapid assessment reveals a large hematoma to the right temple and periorbital area, multiple abrasions to the torso and extremities, clear and equal breath sounds, and withdrawal of all extremities from pain. A rigid cervical collar is applied before the patient is log-rolled, with a rapid posterior evaluation, to a long spine board and secured appropriately. The patient is immediately transported "emergency traffic" to a level one trauma center.

En route to the hospital the patient is orally intubated and bilateral large-bore intravenous access is obtained with normal saline infused at a KVO rate. Vital signs are assessed as blood pressure 170/86, a regular pulse of 100/

By  
Brian Haschke, BS, NREMT-P

ILLUSTRATION PHOTO  
BY HENRY BARGAS

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Brian Haschke has been involved in EMS for 10 years. He is a former flight paramedic with Hermann Life Flight and affiliate faculty for San Jacinto College in Pasadena. Brian currently works for TDH's Bureau of Emergency Management and is involved in trauma systems development.



minute (sinus tachycardia on ECG), shallow, spontaneous respirations with supportive mechanical ventilations, and pulse oximetry of 100 percent. Pupils are equal at 3 mm and respond sluggishly to light. End-tidal CO<sub>2</sub> is monitored and the patient is ventilated (approximately 14 breaths/minute) to maintain an expired CO<sub>2</sub> of 30-35 mmHg. The trauma center is contacted by radio as early as possible to relay a patient report. A rapid mannitol infusion of 1 gram/kilogram of patient weight is begun.

An onset of decorticate (contractural) posturing is noted. A rapid re-evaluation reveals unequal dilation of the pupils (R=6mm, L=3mm). The medics immediately begin hyperventilating the patient at 24 breaths per minute to decrease the monitored end-tidal CO<sub>2</sub> to approximately 25 mmHg. The ambulance arrives at the hospital, and patient care is transferred to the emergency center staff with a detailed patient care report.

## Objectives

At the conclusion of this article, the reader should be able to:

- Identify current guidelines for the management of the severely head injured patient.
- Describe the relationship between hyperventilation, CO<sub>2</sub> levels, and cerebral blood flow.
- Describe proper ventilatory rates and end-tidal CO<sub>2</sub> levels for treating head injury patients.
- Define herniation syndrome and describe the emergency treatment of this condition.

## Introduction

Approximately 20 percent of all head injuries are classified as "major," and are potentially life threatening. The major cause of accidental death can be attributed to head injuries. Trauma accounts for approximately 30 deaths every day in Texas alone. About one half of these are due to fatal head injuries. One could expect approximately 1,000 severe trauma injuries for every death that occurs. Every year a projected 9.6 million days of work are lost due to head injuries. The overall effects of traumatic brain injuries are far reaching and severe. (TDH Bureau of Epidemiology statistics, & Lee p.101)

## History of Treatment

In recent years studies have re-evaluated specific practices in the management of traumatic brain injuries. These studies are outlining new treatment approaches to head injuries that are breaking old habits and teachings. Management of patients during the critical time period following severe head injury has far-reaching effects on survival and recovery. An evaluation of specific interventions is ongoing and redefining practices.

In 1995 the American Association of Neurological Surgeons published its *Guidelines for the Management of Severe Head Injury*. Realizing that it is impossible to truly measure intracranial pressures between the moment of injury and actual intracranial pressure (ICP) monitor insertion in the hospital, this group set out to categorize practices according to scientifically supported data. In this document, neurosurgeons around the United States reviewed management practices for severe traumatic brain injuries. The publications were evaluated to



classify these management practices into three categories: standards, guidelines and options.

The American College of Emergency Physicians has recognized the value of some of these studies as well. Revised teachings have been incorporated into their *Basic Trauma Life Support* courses. *BTLS Bulletins* published in December 1996 and June 1997 address new recommendations for hyperventilation and avoidance of hypotension, respectively.

### **Herniation Syndrome**

Transtentorial herniation is a life-threatening condition that may occur when intracranial pressure rises secondary to edema or frank bleeding. As pressure increases beyond the capacity of the cranium, cerebral blood flow is impeded, pressure is placed on the nerves and brain tissue is forced out through openings in the cranium. The foramen magnum at the base of the cranium and the optic nerve channel are two major sites of the herniation. Signs of herniation syndrome are due to pressure on the nerves and brain tissue at the sites of herniation. Signs of transtentorial herniation include rapidly decreasing level of consciousness, decreasing respiratory rate, unilateral pupil dilation, hemiparalysis, and decorticate (flexion) posturing. Pupil dilation occurs on the same side of the body as the injury, and the eye may exhibit outward/downward deviation, while the extremity paralysis will be on the side opposite of the injury. Cushing's reflex is the body's attempt to maintain cerebral perfusion pressures. Watch for the triad of hypertension, bradycardia and a decreasing respiratory rate. If uncorrected, herniation syndrome will lead to dilation of both pu-

pils, loss of muscle tone, apnea, and death.

### **Managing the Airway**

Airway management in the severely head injured patient is crucial. Early, aggressive intervention towards definitive airway control allows for controlled ventilation and oxygenation and protection from aspiration of blood, vomitus and upper airway secretions. Any patient with a GCS of 8 or less should have their airway managed with endotracheal intubation regardless of their respiratory status. Basic life support providers should ventilate these patients with a bag-valve-mask and an oropharyngeal airway in place. Frequent suctioning may be needed. Hypoxia has been directly tied to worsened patient recovery. A multi-center study showed that hypoxia was among the most powerful indicators of a poor outcome. This study also found a high occurrence of hypoxia (more than 33 percent) in the study group of severe head injury patients. (AANS p.4-2)

It is important to differentiate between primary and secondary injury. The primary injury is a direct result of the trauma the patient has received. Interventions by EMS providers are geared at preventing or minimizing secondary injury until definitive care can be reached. Secondary injury results from inadequate cerebral perfusion. This secondary injury may result from rising intracranial pressure due to edema. This injury may be due to insufficient blood flow secondary to hypotension or cerebral vasoconstriction. A third cause of secondary injury is due to hypoxia, often from inadequate ventilation and/or oxygenation.

A separate study performed in



San Diego, California, evaluated the effect of prehospital endotracheal intubation on head injury survival. The study tied field intubation with a decrease in mortality from 36 percent to 26 percent. It was concluded that improved survival and outcome were associated with prehospital intubation in blunt head injury patients with a GCS of 8 or less. (Winchell p.592) A comment by the authors noted that the effects of intubation were "most dramatic in those patients with isolated head injury and GCS score of greater than 3. In these patients, secondary brain injury may be the most damaging [injury]." (Winchell p.596)

Another interesting observation from the San Diego study was a call for evaluation of EMS indications for airway management. In the study

only those patients that were apneic or unconscious to a level that they had no gag reflex could be intubated by the ground ALS units. The resultant recommendation was appropriate training and preparation of the paramedics to utilize neuromuscular blockade to facilitate intubation. (Winchell p.596)

The use of rapid sequence intubation (RSI) in the prehospital setting is a growing trend in advanced EMS systems. Increases in ICP during laryngoscopy have been documented through many studies. It is important to rapidly and safely establish and maintain airway control. Chemical induction and paralysis facilitates this process. Sedation will aid the process through its anxiolytic, muscle relaxant, hypnotic and anticonvulsant ef-

Glasgow Coma Scale - Adult/Child				Glasgow Coma Scale - Infant			
Mechanism	Description	Points	Score	Mechanism	Description	Points	Score
Eye	Spontaneously	4		Eye	Spontaneously	4	
	To command	3			To speech	3	
	To pain	2			To pain	2	
	No response	1			No response	1	
Verbal	Oriented	5		Verbal	Coos/babbles	5	
	Confused	4			Irritable cries	4	
	Inappropriate words	3			Cries to pain	3	
	Incomprehensible	2			Moans/grunts	2	
	No response	1			No response	1	
Motor	Obeys commands	6		Motor	Spontaneous	6	
	Localizes pain	5			Localizes pain	5	
	Withdraws from pain	4			Withdraws from pain	4	
	Flexion/decorticate	3			Flexion/decorticate	3	
	Extension/decerebrate	2			Extension/decerebrate	2	
	No response	1			No response	1	
Total Score			<input type="text"/>	Total Score			<input type="text"/>



fects. Lidocaine is used to blunt increased ICP associated with direct laryngoscopy. Neuromuscular blockade is the final step in chemically preparing a patient for facilitated oral intubation. While the extent of protection from rising ICP during oral intubation is debated, indications are that patients benefit from RSI through fewer intubation attempts and decreased time of laryngoscopy. Ongoing, controlled ventilation is aided through sedation and paralysis.

### **Hyperventilation and Head Injuries**

After the airway is managed first, appropriate ventilation must be performed. The historical emphasis on hyperventilating all head injury patients has been revised. The importance of adequate oxygenation has been discussed already and should remain a priority. However, hyperventilation has a crucial physiological response. Hyperventilation increases exhaled CO<sub>2</sub> and causes hypocapnia. A decrease in blood CO<sub>2</sub> levels results in decreased cerebral blood flow through vasoconstriction. Historically, this has been heavily emphasized to reduce intracranial pressure (ICP) in the severe head injury patient. Although edema is forming, cerebral blood flow is lowest during the first 24 hours following injury. Studies show that hyperventilation may lead to ischemia and possible iatrogenic brain injury. "Prophylactic" hyperventilation of the patient not experiencing herniation syndrome can result in tissue destruction from hypoperfusion of already vulnerable traumatized brain tissue. (Stringer p.480-482)

Mechanical ventilation of the intubated head injury patient should be performed with end-tidal CO<sub>2</sub> monitoring, or capnometry, in place. Main-

taining expired CO<sub>2</sub> levels of approximately 35 mm Hg should be considered a guideline in these patients. (AANS p.9-1) Realizing this equipment is not available to most EMS providers, a ventilatory rate no greater than 15 breaths per minute is usually adequate to maintain appropriate oxygenation and CO<sub>2</sub> levels in the adult patient.

These guidelines are intended to maximize cerebral perfusion. Head injured patients often need higher cerebral perfusion pressures to maintain the brain tissue. Vasoconstriction secondary to prolonged hyperventilation has been shown to over-correct the desired decrease in cerebral blood flow. The desired effect of decreasing ICP is replaced by further secondary injury from lost blood flow in these patients.

### **Maintaining Adequate Circulation**

Recent studies have questioned unchecked prehospital fluid administration in penetrating trauma to the torso. However, maintaining a lower blood pressure as recommended in these patients may not be appropriate for the severe head injury patient. Like hypoxia, hypotension in the head injury patient can be tied to survival as a major predictor of worsened outcomes. A guideline has been written to avoid systolic blood pressures less than 90 mm Hg in order to maintain adequate cerebral perfusion pressures. (AANS p.4-1) A single episode of hypotension can result in a 150 percent increase in mortality. (BTLS 6/97)

Appropriate steps against shock should be taken to meet these patients' needs. Trendelenburg position and PASG are generally contraindicated in the head injury patient. IV fluid replacement should be used to main-

 **EMS Fact:** In a survey of 1,500 medical equipment manufacturers on Year 2000 computer issues, the National Patient Safety Partnership found that one-third of the manufacturers could not be reached, failed to respond or said they would not address the Year 2000 issue for the piece of equipment in question. —EMS INSIDER



tain a systolic blood pressure of 100-110 mm Hg. A good rule of thumb is to treat hypotension in the head injured patient as hypovolemia until proven otherwise.

### Pharmacology

Mannitol is an osmotic diuretic whose effect helping decrease intracranial pressure is widely accepted. Two beneficial effects of mannitol are (1) its initial volume expansion (hypertonic fluid, remember) that aids cerebral perfusion, and (2) the diuresis it provides to help reduce cerebral edema. (AANS p.10-2) Mannitol is indicated in head injury patients with decreasing neurological status, especially those experiencing herniation syndrome. A GCS of 8 or less is an appropriate requirement for mannitol administration. Mannitol is administered as an IV bolus of 1.0 g/kg, and should be administered via blood-Y tubing for filtration. IV crys-

talloids should be continued to prevent dehydration secondary to the mannitol-induced diuresis.

Glucocorticosteroids, such as dexamethasone, have also been used in managing head injury patients. Studies have shown that these agents do not help lower intracranial pressure, and they do not improve outcome. In fact, the AANS publication designates the avoidance of glucocorticosteroids in managing head injury patients as a standard. (p.12-1)

There is a risk of seizures following traumatic brain injury. Prophylactic treatment of seizures is generally not indicated; however, in the hospital setting, certain risk factors will result in precautionary phenytoin administration. For pre-hospital providers, Valium remains a first-line medication for controlling seizure activity.

### Treatment of Herniation Syndrome

Herniation syndrome is a severe condition that mandates immediate treatment. BLS providers are very limited in treatment options as bag-valve-mask hyperventilation is possible, but often results in gastric distension. Advanced care should consist of specific steps to reverse the rapidly rising ICP. Hyperventilation (approximately 24 breaths/minute) is indicated. If end-tidal CO<sub>2</sub> monitoring is available, an expired CO<sub>2</sub> of 25-30 mmHg is desirable. If not already being utilized, mannitol should be administered as has been discussed above. Notification to the receiving facility of a patient deteriorating to this state should be made as soon as possible. Transtentorial herniation is a medical emergency signaling impending severe, permanent brain damage.

### Sample RSI Protocol

1. Preoxygenate patient using 100 percent O<sub>2</sub>.
2. Premedicate with 1-1.5 mg/kg of Lidocaine IV 3 minutes prior to intubation.
3. Sedate with Midazolam (Versed) 5-10 mg IV over 20-30 seconds.
4. Apply cricoid pressure (Sellick's maneuver).
5. Medicate with succinylcholine (Anectine) 1.5 mg/kg IV.
6. Intubate, inflate cuff, confirm endotracheal tube position.
7. Maintain paralysis with Rocuronium 0.6 mg/kg.
8. Monitor patient for needed repeat sedation.



## Summary

Head injuries are a major cause of death in the trauma patient. Rapid assessment must be performed prior to determining appropriate treatment and transport options. Care of the head injury patient should be oriented to preventing secondary brain injury. Recent evaluation of head injury management is redefining emergency treatment of the severe head injury patient. Protection of the ABCs is a priority. Hypoxia and hypotension can have profound effects on outcome and survival. Aggressive protection of the airway should be taken in all patients with a GCS of 8 or less.

Hyperventilation should be avoided in the head injured patient unless signs of herniation syndrome have been noted. End-tidal CO<sub>2</sub> monitoring provides accurate evaluation of appropriate mechanical ventilation. In the absence of signs of transtentorial herniation, ventilations should be performed no faster than 15 breaths/minute. If indications of rising intracranial pressure and herniation syndrome are noted, hyperventilation should be performed to reduce ICP. Mannitol administration is also indicated in these patients. Treatment should be tailored to each patient to maintain optimal cerebral perfusion pressures.

Severely head injured patients have essential prehospital care needs. These patients also require specialized hospital care. Transport decisions should be geared toward facilities that can provide neurological intensive care. Notification of the receiving emergency department should be made as early as possible. At the trauma facility, a complete report of the patient's initial presentation, history, mechanism of injury, treatment and progress of status should be made to

the hospital staff. An accurate evaluation of the patient's neurological status before and after interventions is important to the neurosurgeon.

## Thinking About It

The patient in the opening scenario did receive appropriate care. A rapid "90 second" survey revealed the immediate life threats of altered mental status and inadequate respiratory function. Suspecting a severe closed head injury, the medics quickly packaged the patient for transport providing minimal, but essential, on scene intervention. The patient received BLS treatment first to protect the ABCs and C-spine, a standard for all prehospital providers. Hyperventilation was avoided until herniation was evidenced by decorticate posturing and unilateral pupil dilation. Ongoing neurological assessments were performed until releasing the patient to trauma center care. After an extended hospital stay, the patient was released to a skilled care facility for rehabilitation.

## Terms

*capnometry* - measurement of CO<sub>2</sub> levels.

*cerebral perfusion pressure* - pressure needed to supply adequate blood flow to the brain tissues.

*Cushing's reflex* - a reflex caused by ischemia of the brain that increases systemic blood pressure to perfuse the brain.

*herniation* - the protrusion, usually under pressure, of tissue or part of an organ, outside the cavity or structure in which it is normally located.

*hypocapnia* - low levels of carbon dioxide in the blood.

*iatrogenic* - condition caused by the healer.

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1. All of the following are signs of herniation syndrome EXCEPT:
  - a. Rapidly decreasing mental status.
  - b. Outward-downward deviation of the ipsilateral eye.
  - c. Pinpoint pupils.
  - d. Decorticate posturing.
2. An increased ventilatory rate results in retention of CO<sub>2</sub>.
  - a. True
  - b. False
3. Decreasing levels of CO<sub>2</sub> will result in:
  - a. Cerebral vasodilation.
  - b. Cerebral vasoconstriction.
  - c. No effect on cerebral vasculature.
  - d. Hypoxia.
4. All unconscious head injury patients should be hyperventilated at least 24 breaths/minute.
  - a. True
  - b. False
5. Which best describes appropriate airway management for a head injury patient with a GCS of 8?
  - a. Non-rebreather mask at 15 lpm.
  - b. non-rebreather mask at 15 lpm and frequent suctioning.
  - c. Bag-valve-mask ventilation.
  - d. Bag-valve-mask ventilation only if cyanosis is noted.
6. What is the GCS of a patient that opens eyes to command, responds to questioning only with inappropriate words, and will localize pain.
  - a. 15            c. 11
  - b. 13            d. 9
7. When no signs of herniation syndrome have been noted, what end-tidal CO<sub>2</sub> level should be maintained when ventilating the head injury patient?
  - a. 50 mmHg            c. 25 mmHg
  - b. 35 mmHg            d. 15 mmHg
8. Hypotension in the severely head injured patient has been related to a \_\_\_\_\_ in mortality?
  - a. 150 percent increase
  - b. two-fold increase
  - c. 50 percent decrease
  - d. slight decrease
9. The systolic blood pressure of a patient with an isolated traumatic head injury should be maintained around:
  - a. 150 mmHg.
  - b. 110 mmHg.
  - c. 90 mmHg.
  - d. actual blood pressure is not important.
10. Once signs of herniation syndrome have been noted in an intubated head injury patient:
  - a. Monitor patient and report changes to the emergency room staff.
  - b. Slow ventilatory rate to 12 breaths/minute.
  - c. Treatment is not important as the patient will not survive.
  - d. Hyperventilate patient until signs of herniation resolve.
11. The correct dose of mannitol is:
  - a. 1.0 mg/kg    c. 10.0 g
  - b. 1.0 g/kg     d. 10.0 g/kg
12. Prophylactic, prolonged hyperventilation of head injury patients may result in:
  - a. Anoxic brain injury due to vasoconstriction within the injured area.
  - b. Improved outcomes of all head injury patients.
  - c. Increased CO<sub>2</sub> levels in the blood stream.
  - d. Hyperoxygenation of the brain.
13. Unilateral pupil dilation observed in head injury patients is due to:
  - a. Hypoxia.
  - b. Increasing pressure on the optic nerve.
  - c. Dropping pressure on the optic nerve.
  - d. Increasing blood CO<sub>2</sub> levels.
14. RSI of the head-injured patient is intended to:
  - a. Facilitate oral endotracheal intubation.
  - b. Blunt increased ICP secondary to laryngoscopy.
  - c. Both a & b.
  - d. Neither a nor b.
15. Decadron should
  - a. Be utilized to decrease cerebral edema.
  - b. Be utilized to control rising intracranial pressure.
  - c. Be used only when herniation syndrome is observed.
  - d. Be avoided in the head injury patient.





This answer sheet must be postmarked by October 19, 1998

CE Answer Sheet *Texas EMS Magazine*

Name \_\_\_\_\_ SSN \_\_\_\_\_

Certification Level \_\_\_\_\_ Expiration Date \_\_\_\_\_

Organization \_\_\_\_\_ Work Phone \_\_\_\_\_  
area code

Address \_\_\_\_\_ City \_\_\_\_\_  
street

State \_\_\_\_\_ Zip \_\_\_\_\_ Home Phone \_\_\_\_\_  
area code

**Note: Due to the cost of processing CE, each answer sheet must be accompanied by a check or money order for \$5, made out to UT Southwestern.**

For TDH CE credit, mail your completed answer sheet with a **check or money order for \$5 made out to UT Southwestern to:**

Debra Cason, RN, MS  
EMS Training Coordinator  
The University of Texas  
Southwestern Medical Center  
5323 Harry Hines Boulevard  
Dallas, Texas 75235-8890

You will receive your certificate for 1.5 hours of CE about six weeks after the closing date. A grade of 70 percent is required to receive CE credit.

**Answer Form**

Check the appropriate box for each question.

- |                                |                             |                             |                             |                                 |                             |                             |                             |
|--------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------------------|-----------------------------|-----------------------------|-----------------------------|
| 1. a. <input type="checkbox"/> | b. <input type="checkbox"/> | c. <input type="checkbox"/> | d. <input type="checkbox"/> | 9. a. <input type="checkbox"/>  | b. <input type="checkbox"/> | c. <input type="checkbox"/> | d. <input type="checkbox"/> |
| 2. a. <input type="checkbox"/> | b. <input type="checkbox"/> | c. <input type="checkbox"/> | d. <input type="checkbox"/> | 10. a. <input type="checkbox"/> | b. <input type="checkbox"/> | c. <input type="checkbox"/> | d. <input type="checkbox"/> |
| 3. a. <input type="checkbox"/> | b. <input type="checkbox"/> | c. <input type="checkbox"/> | d. <input type="checkbox"/> | 11. a. <input type="checkbox"/> | b. <input type="checkbox"/> | c. <input type="checkbox"/> | d. <input type="checkbox"/> |
| 4. a. <input type="checkbox"/> | b. <input type="checkbox"/> | c. <input type="checkbox"/> | d. <input type="checkbox"/> | 12. a. <input type="checkbox"/> | b. <input type="checkbox"/> | c. <input type="checkbox"/> | d. <input type="checkbox"/> |
| 5. a. <input type="checkbox"/> | b. <input type="checkbox"/> | c. <input type="checkbox"/> | d. <input type="checkbox"/> | 13. a. <input type="checkbox"/> | b. <input type="checkbox"/> | c. <input type="checkbox"/> | d. <input type="checkbox"/> |
| 6. a. <input type="checkbox"/> | b. <input type="checkbox"/> | c. <input type="checkbox"/> | d. <input type="checkbox"/> | 14. a. <input type="checkbox"/> | b. <input type="checkbox"/> | c. <input type="checkbox"/> | d. <input type="checkbox"/> |
| 7. a. <input type="checkbox"/> | b. <input type="checkbox"/> | c. <input type="checkbox"/> | d. <input type="checkbox"/> | 15. a. <input type="checkbox"/> | b. <input type="checkbox"/> | c. <input type="checkbox"/> | d. <input type="checkbox"/> |
| 8. a. <input type="checkbox"/> | b. <input type="checkbox"/> | c. <input type="checkbox"/> | d. <input type="checkbox"/> |                                 |                             |                             |                             |

**Did you enclose your \$5 check or money order?**



# Book 'em

## *Distance Learning: A non-traditional way to complete your education*

**P**erhaps you are someone who has some college, or someone who has none at all. Maybe you live in a metropolitan area, or fifty miles away from the nearest town with a traffic light. You may be fresh out of high school, or nearing retirement age. Whatever your reason, location, job or age, you might be considering going to college.

Many of us stop at the consideration phase because it seems the obstacles are too great. After all, we already have family, job and commu-

nity commitments that are requirements, not options. We've done without a degree so far, so why bother now? It is not within the scope of this article to discuss motivations, time management or financial aid in detail, but if you want to get your degree, with creativity and psychological support, you can find a way to accomplish it. Step past these aspects for now and let's talk about a way that you can minimize the impact college can have on your lifestyle through non-traditional education.

Non-traditional education is for people who are non-traditional students. That's you: the returning student, the first-time adult student, the student with other, more pressing commitments. This is a means of obtaining an education and being able to direct that process yourself. If autonomy and self-direction are attractive to you, as well as the associated responsibilities, this may be the means to the desired end.

Hundreds of accredited degree programs at all levels, from associate's to doctoral degree, exist across the country. They are almost universally adult-friendly, awarding credit for prior learning experiences and allowing you to decide course load and time frames, within reasonable limits.

They are mobile. If you need to change jobs or locations, the program goes with you. Technology increases daily the quality and delivery of the





educational material. They may be more cost effective: generally, you pay only tuition and books, not fees for services you may not use. And experts agree that an accredited non-traditional degree is just as credible as one earned through traditional methods. Many are available from traditional universities and colleges attempting to serve the needs of the growing population of non-traditional students, so don't assume that your local colleges don't have anything. Check it out first.

Programs differ in delivery methods, utilizing the Internet, email, correspondence, non-traditional schedules, video and satellite courses. Residency requirements may also vary. Some programs require a week each semester on campus, or two weeks in the summer. Others may require no residency at all. Costs will vary from public to private institutions. Accredited programs are eligible for the same types of financial aid (grants, loans, scholarships) as traditional universities, though they normally cover tuition only, not expenses. Check out many different programs, because costs and methods of course delivery (correspondence, satellite, Internet/email) vary greatly. Choose a program that fits your needs.

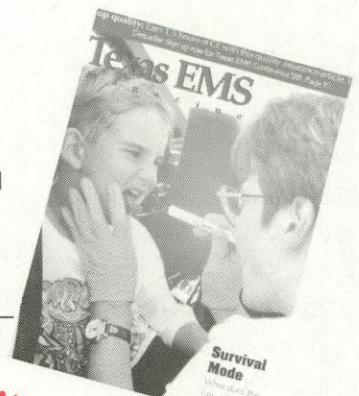
It is important to make sure the school you choose is accredited by a recognized agency. These include the six regional associations of schools and colleges: Middle States, New England, North Central, Northwest, Southern and Western. These agencies supervise both traditional and distance learning programs. Some distance learning programs may be accredited by the Distance Education and Training Council (DETC), formerly the National Home Study Council. DETC accreditation is not recognized by the

Texas Higher Education Coordinating Board, so credits obtained by these programs may not be accepted by Texas colleges or employers.

Places to get started in your search: *Bears' Guide to a Non-traditional Education* and *Peterson's Guide to Distance Learning*, available at bookstores or your local library, or call (800) 770-1379 to order *Bears' Guide*, or (800) 338-3282 to order *Peterson's*. The Internet can offer tremendous amounts of information with keyword searches such as 'non-traditional', 'adult student' and 'distance learning.' There are also sites such as the Texas Comptroller's web page, FASTWEB (Financial Aid Search Through the Web), and CollegeBoard Online that will assist you in finding money for school.

For questions, comments, or to exchange information, I can be reached at [emmenja@ttuhsc.edu](mailto:emmenja@ttuhsc.edu), (915) 771-6391 or Texas Tech Health Science Center, Emergency Medicine/EMS Division, 6090 Surety Drive #412, El Paso TX 79905.

Niki Atha is a paramedic and EMS educator, wife and mother of three who completed her bachelor's degree through a non-traditional program. She is currently enrolled in Texas Tech University's Master of Education program as a non-traditional student, and will earn her MEd in December.



### Attention: Educators and writers

Texas EMS Magazine will pay up to \$200 for good continuing education articles. Write Kelly Harrell at [kelly.harrell@tdh.state.tx.us](mailto:kelly.harrell@tdh.state.tx.us) or call (512) 834-6700 for a list of specifications.



Babies with a heart rhythm defect called a prolonged QT interval syndrome were 41 times more likely to die from SIDS.

Researchers in Italy have found evidence that one-third of sudden infant deaths may be caused by a heart rhythm abnormality. Babies with a heart rhythm defect called a prolonged QT interval syndrome were 41 times more likely to die from SIDS. While researchers say that it is too soon to change the way doctors deal with SIDS, findings from this study might possibly lead to babies being screened for this single heart defect with an ordinary ECG. The largest SIDS study ever conducted, this study involved 33,013 infants and took 19 years to complete.

Symptoms of prolonged QT interval syndrome in adults are sudden fainting and sudden cardiac arrest. From *The Dallas Morning News*, "Study finds a third of sudden infant deaths may be caused by heart problem," June 11, 1998.

Don't try this one at home! A traditional Liberian herbalist "witch doctor" was arrested for murder after shooting two patients. The doctor had promised to make the two men bulletproof with the use of traditional herbal medicine and a charm, then insisted on proving the power of his magic by telling the two men to stand still as he shot them. The two victims were shot several times in the face and chest. Many fighting in Liberia's seven-year civil war have come to believe in the magic and spells of traditional doctors that promise to offer protection against their opposing forces. From "Witch doctor shoots two after 'spell' fails," <http://www.newspage.com>.

Colonies of bacteria have been thriving inside blocks of solid ice in lakes near the South Pole, leading researchers to believe that life is possible on Mars or on a frozen moon of Jupiter. The microbial colonies were found by researchers drilling ice cores

from six perpetual ice-filled shallow lakes in Antarctica. They found a layer of dust and grit approximately six to eight feet below the lakes' surfaces. Researchers say that the dust was blown onto the ice during the Antarctica summer, absorbed heat from the constantly shining sun and sank into the ice, forming a pocket of water around the dust particles. The microbes in the dust have adjusted to the harsh environment. From *Austin American-Statesman*, "Bacteria thriving in South Pole ice," June 26, 1998.

El Nino has brought drought and excruciating heat to the Midwest and South and floods to the West and East Coasts of the U.S. Doctors are now watching to see if El Nino will bring other threats: hantavirus and poisonous spider bites. Dangerous brown recluse spiders may attempt to escape the heat in their normal garage-and-attic homes by moving into the air-conditioned comfort of your home. The venom of the brown recluse, also known as the fiddleback or violin spider for a dark violin-shaped mark on its body, can cause reactions ranging from a red spot, to soft tissue death, to life-threatening infections. And with a mild winter and rains of the spring, El Nino has conspired with biology to create conditions almost identical to those that touched off the 1993 hantavirus outbreak in the Southwest. Researchers predicted that as the deer mouse population goes up, the percentage of rodents infected with hantavirus will go up. The Navajos are not surprised that weather might cause problems in their communities. They have seen episodes like the 1993 outbreak before. Navajo legends link abundant rainfall, a bumper crop of grass and an infestation of rodents to the deaths of young Navajos. From *The Dallas Morning News*, "Creature discomfort," by Aline McKenzie, June 29, 1998,

Will the drought and excruciating heat cause brown recluse spiders to attempt to escape the heat in their normal garage-and-attic homes by moving into the air-conditioned comfort of your home?



and *USA TODAY*, "On El Nino's deadly tail," by Steve Sternberg, July 2, 1998.

**A** study released at the Society for Academic Emergency Medicine showed supportive evidence for rapid defibrillation by nontraditional responders. The 18-month long study included 18 casinos where security officers were trained in manual CPR and the use of AEDs. AEDs were placed to meet a target collapse-to-defibrillation time of less than three minutes. Researchers found that of 22 individuals, five presented with cardiac arrhythmias descending to cardiac arrest and ten with ventricular fibrillation. Seven of the 15 (46 percent) arrest victims survived to hospital discharge and seven of the ten patients (70 percent) with ventricular fibrillation survived to hospital discharge. Using data available from seven of the ten ventricular defibrillation cases, researchers found the time interval between collapse and AED attachment was approximately two minutes; the time from collapse to first shock was approximately three minutes; and the time between collapse and the arrival of traditional emergency medical services responders ranged from 4 minutes to ten minutes. Researchers concluded that nontraditional responders, trained in CPR and the operation of AEDs, achieved shorter collapse-to-defibrillation intervals and higher survival-to-discharge rates than ever previously reported for out-of-hospital cardiac arrest. From a study presented at a recent meeting of the Society of Academic Emergency Medicine in Chicago, 1998.

**A**re you more likely to be injured while climbing a mountain's rock face or while sitting around the campsite? A study of the hazards of national parks has found that injuries sustained at campsites outnumber those sustained from nature by three to one. Only three of the 78 deaths were attributed to "purely environ-

mental" causes—one each for shark attack, avalanche and inhalation of volcanic fumes. The leading cause of death was heart disease (16), followed by drowning (12), falls (12) and motor vehicle crashes (8). Men accounted for 80 percent of the fatalities, including all five suicides. Of all categories of creature attacks, the most common group was insects, accounting for 78 illnesses or injuries, as compared to eight bites by larger animals. From *New York Times*, "Park Hazards," by John O'Neil, June 30, 1998.

**T**he recent Geneva AIDS meeting welcomed its youngest delegate in June. Trupti Gilada, 12, of Bombay, India, presented to the meeting her style of AIDS education in her country. India now has more than four million people with HIV infection. Gilada described how religious festivals can be used to reach large audiences in a cost effective manner. From *The Dallas Morning News*, "The youngest delegate..." by Laura Beil, July 6, 1998.

**D**oes walking during labor reduce the number of caesarean sections for pregnant women? A new study including 1,067 women, the largest ever conducted, found that walking during labor had no effect, good or bad, on labor and delivery. Researchers at the University of Texas Southwestern Medical Center in Dallas found that walking made no difference in women's risk of caesareans, the duration of labor, the need for pain medications or the babies' health. For more than a century, doctors have argued about the dangers and benefits of walking during labor. Those who favor walking believe that it might reduce discomfort and assist the uterus in contractions. Some believe that it is safer for women to stay in bed, where they won't fall. From *San Antonio Express-News*, "Study finds walking during labor doesn't affect delivery," by Daniel Q. Haney, July 9, 1998.

Of all categories of creature attacks, the most common group was insects, accounting for 78 illnesses or injuries, as compared to eight bites by larger animals.

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# Two-year continuing education Emergency Suspensions

The following is a list of EMS personnel with certification expiration dates of 12/99 and 01/2000, who have been emergency suspended for failure to comply with the two-year continuing education (CE) reporting requirement mandated in EMS Rule §157.38, Section k.

EMS personnel who are emergency suspended will be promptly reinstated when they complete the required CE hours and submit the completed CE Summary Report form to TDH. The CE Summary Report form will be accepted by mail or by fax at (512) 834-6736, or you can hand-carry it to your local public health region office. An official notice of reinstatement will be mailed to EMS personnel who comply with the CE requirement prior to their expiration date.

Though the emergency suspension may extend to the expiration date of the certificate, names will appear in this magazine for only one issue. Providers should require presentation of the original reinstatement document (with water mark) from the employee who has been emergency suspended and claims to be reinstated. No notice of reinstatement will appear in the *Texas EMS Magazine*.

Current certificate status is available on the internet at: [www.tdh.state.tx.us/hcqs/ems/certquery.htm](http://www.tdh.state.tx.us/hcqs/ems/certquery.htm). The page is directly linked to our live database so information is up-to-the-minute.

Due to press deadlines, names may appear in the magazine after personnel are reinstated.

## Texas Department of Health

Bureau of Emergency Management  
Emergency Medical Services Rule

### §157.38, Section k

(1)- *Failure to complete required CE: A certificant who has failed to complete the requirements for the initial two-year CE time period will be granted a 90-day extension period to complete and submit the required CE. Failure to complete and submit the CE requirements within that time frame shall be cause for emergency suspension until CE requirements are met.*

ID#	First name	Last name	City	Level
100393	BRIAN	ADAMS	NEDERLAND	ECA
70791	LEAH	ADAMS	GARY	EMT
80177	DEBBIE	ADCOCK	SPUR	EMT
75042	MANDY	ADKINS	ARLIN	EMT
68555	GUAD	AGUAYO	CROSBYTON	EMT
71086	GARY	AKINS	ARLIN	EMT
65571	GARY	ALBRO	LOS FRESNOS	EMT
83457	LYNETTE	ALLEN	SN DIA	EMT
59892	CRAIG	ALLEN	PT ARANSAS	EMT
73149	LORENA	ALLEY	WINONA	EMT
14162	ALVINO	ALVAREZ JR	AMARILLO	EMT
49061	BILLY	AMALLA	MORTON	EMT
28232	CHARLO	AMASON	MAGNOLIA	EMT-P
100248	ARCHIE	AMMONS	COL STATION	EMT
8220	SHAWN	ANDERSON	BEAUMONT	EMT-I
99359	KIRK	ANDREWS	PLANO	EMT-P
34256	JOSE	ARANDA	HOUSTON	EMT
15762	RICK	ATCHLEY	NEW BOSTON	EMT-P
78417	BRANDIS	AYERS	LA PTE	EMT
96706	TANNIFE	AYRES	AUSTIN	EMT
100451	DANIEL	BAAS	ARLIN	EMT
65396	MARY	BACON	BOERNE	EMT
55554	CATHY	BAGWELL	ROWLETT	ECA
100249	DAVID	BAKER	GALVESTON	EMT
89183	JOSIE	BALCAZAR	B SPGS	EMT
76486	NANCY	BALDERAS	LAREDO	EMT
51800	TAMARA	BALLARD	WACO	EMT-P
27053	CLYDE	BALLINGER	ENNIS	EMT-P
10652	DAVID	BALMOS	ADKINS	EMT
78168	ASHLEE	BARFIELD	STEPHENVILL	EMT
73452	JASON	BARNETT	GARLAND	ECA

#### Correction:

The suspensions list in the July/August issue should **not** have included:

#66301, Glenn Poole, Lexington



# Emergency Suspensions

29181	BRENDA	BARNETT	BRONTE	ECA	61934	MERCEDE	CHANDLER	SPRING	EMT	9471	KENNETH	FLOYD	DALLAS	EMT-P
99993	ROBERT	BARNETT	SACHSA	EMT	89767	GUADALU	CHAPA	LAREDO	EMT	63673	ANGELA	FTIN	DALLAS	EMT
84991	LISA	BARON	ROCKWALL	EMT	100079	LAURIE	CHARLES	REFUGIO	EMT	6242	GEOFFRE	FOWLER	ALLEN	ECA
40936	ROBERT	BARR	HAWLEY	ECA	94521	TONY	CHAVEZ III	WACO	EMT-I	14738	WILLIAM	FRANCIS	C CHRISTI	EMT-P
71027	CARLOS	BARRON	RALLS	ECA	100317	THERESA	CHUDEJ	WEST	EMT	78138	MICHAEL	FRANKLIN	ORANGE	EMT
26490	JAMES	BARTON	FLORENCE	EMT	55512	WILLIAM	CHURCH	PT ARTHUR	EMT-I	88320	MARTHA	FRAZIER	HONDO	EMT
96033	MENDY	BEATY	MASON	ECA	71524	MARTIN	CIFUENTES	KINGSVILLE	EMT	17110	MELVIN	FREEMAN	SEALY	EMT-P
68391	PATRICIA	BEATY	MASON	ECA	15713	TRACY	CLARK	JUSTIN	EMT	44971	WENDY	FREEMAN	SEADRIFT	EMT-P
85536	SHAWN	BEAVERS	SN ANGELO	EMT	82996	LISA	CLOTEAUX	VIDOR	EMT	97979	STEVEN	FRENCH	FT WORTH	ECA
89578	TIMOTHY	BEAVERS	LEAGUE CITY	ECA	76833	KYLE	CLUBB	HOUSTON	EMT-I	65861	DON	FUDALLY JR	LEWISVILLE	EMT
39090	ROSALYN	BECKA	SHINER	EMT	29698	MARION	COLE	KINGWOOD	EMT-P	54756	STEVEN	FULLMER	BREMOND	ECA
55896	JAMES	BEECH	S ANTON	EMT-P	76404	AARON	COLEMAN	HUFFMAN	EMT	33666	BILLY	GALBREATH	ROCKDALE	EMT
70254	PHILLIP	BENGE	ARLIN	EMT	75685	KENNETH	COLEMAN	DENTON	EMT	57062	JUAN	GALVAN	HARLINGEN	EMT-I
59603	MATTHE	BENNETT	WILLS POINT	EMT	100463	CHRISTOP	COLLIER	LIBERTY	EMT	83876	GILBERTO	GAMBOA	LAREDO	EMT
13078	JON	BENNETT	CORSICANA	EMT-P	54373	JOHN	CONYERS	SPRING	EMT-P	62938	AMANDA	GARCIA	HEWITT	EMT
92649	GUY	BENNINGFIE	DALLAS	ECA	59934	GARY	COOPER	FT WORTH	EMT-I	100146	DIKI	GARCIA	UVALDE	EMT
8028	BRETT	BERRY	CAMERON	ECA	13075	MELINDA	COPELAND	HOUSTON	EMT-I	78814	JULIA	GARCIA	MASON	ECA
87469	DAVID	BEYER	MOULTON	ECA	87617	GINA	CORLEY	CUSHING	ECA	63433	KIMBERLY	GARCIA	FT HOOD	EMT
67289	JENNY	BINNING	DALLAS	EMT	52203	JACKIE	CORLEY	BRONTE	EMT	87990	OBED	GARCIA	EDINBURG	EMT
90401	KEITH	BIRD	AUSTIN	ECA	92008	DAVID	COTTON	HOUSTON	EMT-I	28216	KELLY	GARRETT	WOLFFTH	EMT-P
27453	ORVILLE	BIRDEN	KERMIT	EMT	85724	DEBRA	COVINGTON	KARNES CITY	EMT	92377	TERRY	GARRETT	MASON	ECA
19512	ALFRED	BIRDWELL	HEARNE	ECA	32551	JESSIE	COVINGTON JR	AZLE	EMT	70982	NEIL	GARVIS	BELLAIRE	EMT
56963	MARY	BITTER	HUNTSVILLE	EMT-I	95950	AMANDA	COWART	WOODWAY	EMT-I	96355	BOBBY	GASTINEAU	FT WORTH	EMT-P
40506	GARRY	BIVINS	BRONTE	EMT	42366	GREGORY	COWART	HOUSTON	EMT-I	25259	JAMES	GATTIS	AUSTIN	EMT-I
95786	PAT	BLALOCK	N RICH HILLS	EMT	61761	SUZANNE	COX	JARRELL	ECA	95879	DANIEL	GIBBS	B SPGS	EMT-P
66817	KIM	BLUMBERG	GALVESTON	EMT	76809	BRUCE	COZAD	EL PASO	EMT	87257	GLENDA	GIBSON	PLANO	EMT
100270	CHRISTP	BLYSTONE	WINNSBORO	EMT-I	75048	RITCHIE	CRAIG	BENBROOK	EMT	36305	KEVIN	GIESALHART	CEDAR CREEK	EMT
71059	DONALD	BOEHM	DANBURY	EMT	5007	TERI	CRENSHAW	WILLIS	EMT-I	29043	WESLEY	GILLELAND	UVALDE	EMT
100271	NANCY	BOLTON	SUL BLUFF	EMT	54657	MARDY	DAMM	SN ANGELO	EMT	5406	JEFFREY	GIRAUD	EULESS	EMT
89737	THERESA	BOND	ROUND ROCK	EMT	100297	SHANA	DAVIS	CARBON	EMT	100464	LINDA	GIVEN	HOUSTON	EMT
21112	GARY	BOSTIC	WATANGA	EMT	94234	HEATHER	DAVIS	FT WORTH	EMT	82737	RYAN	GLASS	PEARLAND	EMT
42781	JAMES	BOSWELL	MART	EMT	51655	KELLY	DAVIS	ARLIN	EMT-P	92103	DAVID	GLEN	STEPHVILLE	EMT
100250	PATRICK	BOURN	HOUSTON	EMT	16524	NORMA	DAWSON	ROCKDALE	EMT	98917	DENNIS	GLOVER	LAGO VISTA	ECA
68712	JASON	BOWDEN	TEMPLE	EMT	6200	WITT	DE	GALVESTON	EMT-P	89684	KEVIN	GOATS	PT NECHES	EMT
82441	JERRY	BOWERS	CUSHING	ECA	44792	MICHAEL	DE LEON	FT WORTH	EMT	44347	DOUGLAS	GOBLE	LOLITA	EMT
62234	JAMES	BOWLES	BURLESON	EMT-I	68942	ELIE	DELEON	BEEVILLE	EMT	6585	PHYLLIS	GODWIN	S ANTON	EMT-I
360	JANET	BOX	JEWETT	EMT	59198	THOMAS	DELLELCE	FT POLK	EMT-P	9515	GARY	GODWIN	PT ARTHUR	ECA
66274	JOHN	BOX	HOUSTON	EMT-I	7479	JOHN	DEMPEY	ROCHELLE	EMT-I	98648	CHRISTIN	GOGGINS	PLANO	EMT
100314	HETHER	BOYD	GEORGETN	EMT	78610	WILLIAM	DENISON	ARAN PASS	EMT	100474	ANTHONY	GOLIC	AUSTIN	EMT
91503	BRANDI	BOYD-SELLERS	FT WORTH	EMT	92591	ANNETTE	DEWBRE	LUBBOCK	EMT	74699	CONNIE	GOLMON	GROVES	EMT
1274	GREGORY	BOZDECH	PEARLAND	EMT-I	66211	BEVERLY	DIETZ	ELKHART	EMT	1652	CLIFFOR	GONGAWARE	EL PASO	ECA
100362	MELISSA	BRESSLER	LOS FRESNOS	EMT	34014	TERREL	DODD	SNDIA	EMT	85657	BRANDY	GONZALES	FERRIS	EMT
91296	MICHELLE	BREWER	BORGER	EMT	17921	RICKEY	DOGGETT	BAYTOWN	EMT	77541	CESAR	GONZALEZ	HOUSTON	ECA
100018	ROBBIE	BRIGGS	SEVN POINTS	EMT	60045	MICHAEL	DONATHAN	HITCHCOCK	EMT	100031	REBECCA	GONZALEZ	CUERO	EMT
100383	KERRI	BROGDEN	AUSTIN	EMT	81047	MARK	DOWDY	GARLAND	EMT-P	85599	RENE	GONZALEZ	AUSTIN	EMT
35551	JOHNNY	BROOKS JR	BEAUMONT	EMT-I	96344	STEVEN	DOWNARD	BLUE RIDGE	ECA	28313	NOE	GONZALEZ JR	VON ORMY	EMT-P
72727	BRUCE	BROUSSARD	PT NECHES	EMT	79454	RICHARD	DUCOTE	BEAUMONT	ECA	9310	MARKLEY	GOODWIN	NEDERLAND	EMT
59701	JAMES	BROUSSARD	PINEVILLE	EMT-P	6846	BILL	DUNHAM JR	S ANTON	EMT	39281	GENE	GORE	SURFSIDE	EMT
90608	MATTHE	BROWN	MCQUEENEY	EMT	86094	GERALD	DUNLAP	COAHOMA	ECA	88202	ROBERT	GORMAN	CARROLTON	EMT
15818	ALOMA	BROWN	FLINT	EMT-P	40783	CHASE	DUNN	LUMBERTON	ECA	73515	LARA	GOSSAGE	ARLIN	EMT
84945	GARY	BROWN	MIN WELLS	EMT	28678	JON	EDENS	BARKER	EMT-P	69350	ROBERT	GRAHAM	CROCKETT	EMT
91545	MONTY	BRUTON	CAD MILLS	EMT	4763	DANIEL	EHRHART	GREENVILLE	ECA	51610	CHARLIE	GRANT	HOUSTON	EMT-I
48846	LORI	BURCHETT	FRANKSTON	EMT-I	75858	ZACH	ELLIS	FREER	ECA	90970	JOHN	GREEN	MARSHALL	ECA
63036	SUSN	BURNETTE	DALLAS	EMT	69895	CHRISTIN	EMERSON	AUSTIN	ECA	97308	WALTER	GREER	C CHRISTI	EMT
49905	LISA	BURRIS	LUBBOCK	EMT-I	99251	BRYAN	ERICSON	GD PRAIR	EMT-P	100398	SHARON	GREGG	DALLAS	EMT
84560	ALLAN	BUTCHER JR	STEPHEVILLE	EMT	43984	LYNDOL	ERWIN	PECAN GAP	ECA	59304	ANNE	GRIGNON	REDFORD	EMT
85155	ZARAGOZ	CADENA	CARR SPGS	EMT	50566	LEONARD	EUBANKS	AMARILLO	EMT	99339	KYE	GRISHAM	FT WORTH	EMT
100394	CLAUDE	CAISON	GREENVILLE	ECA	11960	CHERYL	EVANS	FAIRFIELD	EMT	55527	RICHARD	GROVE	B SPGS	EMT-I
100337	DANA	CALLEY	HOUSTON	EMT	99099	SHARYN	EVERITT	BRACKEVILLE	EMT	97219	HENG	GUAN	ALLEN	ECA
91130	JEREMY	CANTU	HOUSTON	EMT	26909	SAMUEL	EYRE	VICTORIA	EMT-P	33728	ROBERT	GUARNERE	BEAUMONT	ECA
42787	RANDY	CANTU	S ANTON	EMT-I	2584	DERIK	FAIRCHILD	COL SPGS	EMT-P	74904	CARRIE	GUERNSEY	ARLIN	EMT
13490	KENNETH	CARLILE	BUSHLAND	EMT	57184	JOSEPH	FARR JR	ARLIN	EMT	47377	LANCE	GUESS	DENTON	EMT-P
87612	WENDELL	CARLILE	PILOT POINT	EMT	22853	DONALD	FAWN	AUSTIN	EMT	90046	MICHAEL	GUILKEY	PLANO	EMT
42418	CHRISTIN	CARREJO	HOUSTON	EMT-P	71317	LARRY	FEAGIN	KEMP	EMT-P	73805	JOHN	GULLETT	S ANTON	EMT
62583	CHARITY	CARROLL	NACOGDOCH	EMT	27150	DONALD	FISHBECK	NEEDVILLE	ECA	63953	THOMAS	GURDA	AUSTIN	ECA
1279	RANDAL	CASELLA	SEABROOK	EMT	95509	JONATHA	FLEWELLEN	TERRELL	EMT	100369	ISABEL	GUTIERREZ	BROWNSVILLE	EMT
28513	JULIO	CASTILLO JR	S ANTON	EMT	87970	DAMON	FLOWERS	MESQUITE	EMT	11117	RICARDO	GUZMAN SR	LAPTE	EMT
82771	JAYME	CASTLEBERRY	ARLIN	EMT	100320	NANCY	FLOYD	WACO	EMT	57385	GLENN	HAFFNER	AMARILLO	EMT
41233	CHRISTOP	CATALINA	HEARNE	ECA	82144	JAMES	FLOYD	CAMPWOOD	ECA	96209	TODD	HAJDER	FT WORTH	ECA



## Emergency Suspensions

41435	LOYD	HAMILTON	IDALOU	EMT-I	53782	JEFFERY	JONES	MILANO	ECA	62066	SUSN	MARTINEZ	EL PASO	EMT
64288	GARY	HANAN	GROVES	EMT	8770	KENNETH	JONES JR	TEXAS CITY	EMT	73508	BRANDY	MASSEY	CHANNVIEW	EMT
27006	TERESA	HANKINS	MCKINNEY	EMT	28667	GLORIA	JONSE	GRANGER	EMT	70596	DONNIE	MAYFIELD	FRISCO	EMT
20731	DENIESE	HANKS	VIDOR	EMT-I	84024	MICHELL	JORDAN	MESQUITE	EMT	99846	RHONDA	MAYNARD	BURLESON	EMT
65602	DEIDRE	HANNAH	DECATUR	EMT	66228	RAYMON	JORDAN	METAIRIE	EMT	61599	KATHY	MAZZA	SACHSE	EMT
17572	BETTY	HARLIN	TOW	EMT-I	90200	RICHARD	JOUCKEN	AUSTIN	ECA	96749	VANESSA	MCCANN	ARLIN	EMT
67084	SUSN	HARRELSON	BAYTOWN	EMT	86785	VICTOR	JUAREZ	HOUSTON	EMT	4463	SNDRA	MCCORMICK	SNTA FE	EMT
100346	JAMES	HARRIS	SHEPHERD	ECA	64465	CHARLES	KABRICH	HOUSTON	EMT	67285	DEBORAH	MCCOY	HEWITT	EMT
39181	PHILIP	HARRIS	JEWETT	ECA	23474	SILVIO	KARISCH	EL PASO	ECA	17994	ROY	MCCOY	HAPPY	EMT-I
59689	TIPTON	HARTMAN	NW CANAAN	EMT	65533	SHARI	KEENEY	MCKINNEY	EMT	100299	NELDA	MCDANIEL	CARBON	EMT
66989	STACEY	HARVEY	GRAD PRAIRE	EMT	46056	JOSEPH	KEMP	ABILENE	ECA	95015	CHANCE	MCDONALD	CROCKETT	EMT
4013	DANIEL	HASKETT	BUFFALO	EMT	100269	LOUISE	KESSLER	VAN HORN	ECA	85323	MISTY	MCDONALD	FT WORTH	EMT
36053	MARC	HAYES	FT WORTH	EMT-P	94498	RICHARD	KIESLING	NBRAUNFELS	EMT	49841	JIMMY	MCKEY	VICTORIA	EMT-P
26422	JOHN	HAZLE JR	FT WORTH	EMT-P	43090	RANDALL	KILLINS	STINNETT	EMT-I	90641	STEVE	MCLEMORE	HUTTO	ECA
72428	RANDY	HEARN	NEDERLAND	EMT	78785	GLENDA	KING	GODLEY	EMT	100401	BURNIE	MCMAHAN	CADDO MILLS	ECA
67251	CHARLES	HEAUSLER	KILLEEN	EMT-P	55986	RICHARD	KING	AUSTIN	EMT	53984	KATHY	MCMORROW	HOUSTON	EMT
2415	LARRY	HECK	S ANTON	EMT	21199	EDDIE	KIRKPATRICK	LUBBOCK	EMT	31406	DAVID	MCNABB JR	TERRELL	ECA
59178	SUSN	HELMS	KILLEEN	EMT	54509	RAYMON	KITCHEN	ARLIN	EMT-P	67504	BILLY	MCNEAL	C CHRISTI	ECA
69421	TERRI	HENDRICKSON	CONVERSE	EMT	27873	ASHLEY	KLAERNER	S ANTON	EMT-P	100386	LATHEMA	MEEKS	AUSTIN	EMT
58617	JAMES	HENNINGER	FT WORTH	EMT	88631	TANYAKLINE	GARDNER	LAK JACKSON	ECA	100388	MICHAEL	MENDEZ	VON ORMY	EMT
51870	HEATHER	HERRIAGE	BENBROOK	EMT-P	79702	GAYLKLOPFENSTEIN	N RICH HILLS	EMT	14949	REGINA	MENSIK	WEIMAR	EMT	
5570	MICHAEL	HESS	WEBSTER	EMT-I	54400	DANETTE	KNIGHT-POST	FT WORTH	EMT	70867	WAYNE	MENSH	BEDFORD	EMT
91164	ROBERT	HETRICK	HOUSTON	EMT	31178	PANAGI	KONIDIS	GROVES	ECA	94028	JAMES	MERRICK	AMARILLO	ECA
89272	DULCENE	HIDALGO	CAMPWOOD	EMT	96598	STANLEY	KOTWITZ JR	AUBREY	EMT	83877	CRAIG	MERRITT	HUNCAVILLE	EMT
100400	TROY	HILL	FARMEVILLE	ECA	64510	JILL	KRACHINSKI	DALLAS	EMT	100265	JOSHUA	MICHAEL	HEREFORD	EMT
78692	NANCY	HINES	THORNDALE	EMT	93069	TRAVIS	KUEHN	ELGIN	EMT	74544	TRACY	MILES	AUSTIN	EMT
100253	SHERYL	HIXON	LIVERPOOL	EMT	37096	BEATRIZ	KUHNS	BRACKETTVILLE	EMT	3011	SCOTT	MILLER	HOUSTON	EMT-I
90276	JEFFREY	HOFFPAUIR	NEDERLAND	EMT	98862	SHIRLEY	KUMMEROW	HONDO	EMT	54062	ROBERT	MILLER	HOUSTON	EMT-P
97363	KATHY	HOGAN	CLEBURNE	EMT-I	89599	RICHARD	LAISUR	FARMERSVILLE	EMT	95594	BENJAMIN	MILLS	KEMP	EMT
11991	JAMES	HOLCOMB	VERNON	EMT-P	85524	JAMES	LAMB JR	BAYTOWN	EMT-I	92863	JEANNE	MINTER	WACO	EMT-I
100348	JEREMY	HOLLAND	KOUNTZE	ECA	67146	JOHN	LANGSTON	S ANTON	EMT	90637	ANGELITA	MIRELES	ROPESVILLE	ECA
89358	MICHAEL	HOLLOWAY	CANTON	EMT	9346	GREGORY	LAWLER	COPP COVE	EMT-P	99732	RAYMON	MITCHELL	PLANO	ECA
78039	RICHARD	HOOVER	WEATHEFORD	EMT	71306	CHERYL	LAWS	CLEBURNE	EMT	100375	DAVID	MONTEMAYOR	KINVILLE	EMT
35107	JAMES	HORN	HOUSTON	EMT-P	92252	WILLIAM	LAY JR	S ANTON	EMT	80744	LISA	MOODY	ARLIN	EMT
45847	LACIE	HORTON	TULLIA	EMT-P	63546	MARIO	LAZO	FT WORTH	EMT	100422	JO	MOORE	FT WORTH	ECA
30855	WILLIAM	HOWARD	SUGAR LAND	EMT	60539	ENRIQUE	LEDESMA	BROWNFIELD	EMT	92999	WAYNE	MOORE	UTOPIA	ECA
88438	ADRIENN	HOWARTH-MOORE	AUSTIN	ECA	84459	SCOTT	LEDET	SN ANGELO	EMT-P	41779	ALFONSO	MORALES	S ANTON	EMT
87341	JANICE	HUDSON	SPRINGTOWN	ECA	67960	RAMAND	LEE	DETROIT	EMT	66421	BRYAN	MORGAN	COLUMBIA	EMT
83569	TARA	HUGHES	HUNTSVILLE	EMT-I	22646	RANDALL	LEFTWICH	BEAUMONT	EMT-P	4621	MATTHE	MULVILL	LEAGUE CITY	EMT
11799	JASON	HUGHES	FT WORTH	EMT	11980	MARK	LEONHARDT	TEXAS CITY	EMT	53477	MICHAEL	MUMEY	TEXAS CITY	EMT
67397	JAMES	HUMBLE III	HONOLULU	EMT-I	93807	DALE	LEVINGS	CUSHING	ECA	88823	JUDY	MUNCY	BROWNFIELD	EMT
88349	SNDRA	HUNT	ORGE GROVE	ECA	70731	ALISON	LEWIS	NEVADA	EMT	68075	MARTIN	MUNROE	AUSTIN	EMT
30460	MELISSA	HUNTER	RIO HONDO	EMT	73085	JAMES	LEWIS	MABANK	EMT	79808	MEGAN	MUSICK	ARLIN	EMT
62607	KATHRYN	HURLEY	AUSTIN	EMT	46199	KEVIN	LEWIS	ARLIN	EMT-P	61712	JOSEPH	MUTH	ELMENDORF	EMT-I
100449	MARY	HUTTON	C CHRISTI	EMT	98494	YUNG	LIAO	AUSTIN	ECA	79499	ROBERT	NARANJO	MIDLAND	EMT
68323	BEVERLY	INMAN	DAYTON	EMT	39032	MELVIN	LINDSEY	GREENVILLE	ECA	88901	CONNIE	NAUMANN	AUSTIN	ECA
18716	ROBERT	IRVING	LUMBERTON	ECA	79359	JUDY	LINK	CHANNING	EMT	70493	ROBERT	NAVAR	DALLAS	ECA
41192	LLOYD	IRWIN JR	FRIENDSWOOD	EMT-I	55665	BILLY	LOCKHART	ENNIS	EMT-I	67172	MICHAEL	NELSON	LEESVILLE	EMT
83199	MICHAEL	ISELL	RALLS	ECA	76301	RANDY	LOFLAND	ROCKWALL	EMT	88038	SNDY	NELSON	SABINAL	ECA
45853	ROBERT	JACINTO	S ANTON	EMT	3424	VIVIAN	LONG	BOERNE	EMT-I	79131	TUYEN	NGUYEN	S ANTON	EMT
95500	NICKY	JACKOWSKI	MOULTON	ECA	94805	BONNIE	LONGLEY	AUSTIN	ECA	99893	TUNG	NGUYEN	DALLAS	EMT-P
82220	SAMUEL	JACKSON	PT ARTHUR	EMT	76154	JACOB	LONGORIA	MATHIS	EMT	3337	RICHARD	NICELY	BEAUMONT	ECA
74121	STEVEN	JACKSON	PT ARTHUR	EMT	46502	MELISSA	LOPEZ	FRIENDSWOOD	EMT-P	81323	KRISTOPH	NORRED	GOLDSMITH	EMT
74311	WAYNE	JACKSON	S ANTON	EMT	87071	ERNESTO	LOPEZ JR	KATY	EMT	100208	CATHERI	OHAKAM	ARLIN	EMT
100381	SIGRID	JACQUEZ	EL PASO	ECA	17441	DENNIS	LOTH	FREDERICKRG	EMT-P	9521	DARRAL	OLIVER	DRIPSPPRINGS	EMT
35586	JACOB	JAIME	VICTORIA	EMT	69598	SNDRA	LOUVIERE	DAYTON	EMT	75077	PATRICK	OROURKE	C CHRISTI	EMT
17300	WILLIAM	JAMESON	JUDSON	EMT	80919	SAMUEL	LUCIA	GLN HEIGHTS	EMT	32271	JOE	ORTIZ	S ANTON	EMT-P
60299	ALVIN	JARRETT	LAMESA	EMT-P	4270	AARON	LYLES	HOUSTON	EMT	38496	BENNY	OSBURN	CLARENDON	EMT
56444	STEVEN	JASSO	HARLINGEN	EMT-P	46627	CHARLES	MAHANEY III	TEXAS CITY	EMT	20612	RANDY	OSTWALD	HOUSTON	EMT-P
67509	BOBBY	JEFFERSON	WICHITFALLS	EMT	100417	CHARLES	MAINGI	ARLIN	ECA	69542	JAMES	PACE	CUSHING	ECA
59547	STACY	JENNINGS	DENTON	EMT	62288	FRANK	MALANDRUCOLO	EVANT	ECA	85527	BRANDY	PAGE	PONDER	EMT
37119	ALFREDO	JIMENEZ JR	S ANTON	EMT	94747	JOHNNY	MANN	AUSTIN	ECA	6	EVANGEL	PAGONIS	SPG BRANCH	EMT-I
63622	JESSE	JOHNSON	BAYTOWN	EMT-I	2646	MICHELE	MANUEL	HOUSTON	EMT	66049	KELLY	PAINTER	WACO	EMT
4208	MARK	JOHNSON	CARROLLTON	ECA	38697	MICHAEL	MARTIN	FLO MOUND	ECA	100306	SERGIO	PALAFIX	DEL RIO	ECA
69484	ADAM	JOHNSON	LUMBERTON	EMT	85183	LANNY	MARTIN	B SPGS	ECA	51643	JENNIFER	PARKER	HOUSTON	EMT-P
44107	PETER	JOHNSON	BEAUMONT	ECA	63017	LINDA	MARTIN	LEAGUE CITY	EMT	41468	DEBRA	PARKS	FLUVANNA	EMT-P
3847	ROBERT	JOHNSON	SCHERTZ	EMT-I	52774	MIGUEL	MARTIN	GARLAND	EMT-P	81863	JAMES	PARSONS	GREENVILLE	ECA
92230	MARLY	JOHNSON-BETTS	FT WORTH	EMT	64942	JORGE	MARTINEZ	LAREDO	EMT	100268	ROBERT	PATRICK	QUITAQUE	EMT
77028	JEFFREY	JONES	CAMPBELL	ECA	79898	MARK	MARTINEZ	ALICE	EMT	70053	FRANK	PATTERSON III	EDINBURG	EMT



# Emergency Suspensions

100425	RONALD	PELL	EULESS	ECA	85271	LEAH	SCARBROU	GODLEY	EMT	1065	DARLENE	TUCKER	COTTA GRVE	EMT-I
37270	DEREK	PENNY	COLSTATION	ECA	4971	ELIZABE	SCHMIDT	RICHWOOD	EMT-I	62489	JO	ULLRICH	AUSTIN	ECA
89647	VERONI	PEREZ	S ANTON	EMT	95203	DARCIE	SCHOLLME	IRVING	EMT-P	37445	DOUGLAS	VADER	NBRAUNFELS	EMT
94588	JOE	PETTTT	LA MARQUE	EMT	63854	LEAH	SCHOOLER	SEAGRAVES	ECA	70096	SCOTT VAN	DEVENDER	F WORTH	EMT
32077	LOUIS	PEVETO	BUNA	EMT	43545	JAMES	SCOGGINS	POTTSBORO	EMT	45085	VICTORIA	VASQUEZ	PECOS	ECA
99887	TRISH	PHAM	LIBERTY HILL	ECA	89311	RAMIRO	SEGOVIA	LAREDO	EMT	16654	ANGELA	VAUGHN	NOCONA	EMT-I
57105	JEFFERY	PHILLIPS	AMARILLO	EMT	13990	JAMES	SEWARD	ARLIN	EMT	57501	VIVIAN	VAZQUEZ	KILLEEN	EMT
73115	BRANDO	PIPPIN	LUMBERTON	EMT	17145	LEARON	SHANKLE	NEWLONDON	EMT	10865	JERRY	VENNUM	ARLIN	EMT
81393	JAMES	PLANT	TEMPLE	EMT	86329	MISHA	SHAW	ANSON	EMT	70292	CHARLES	VILLEGAS	PASADENA	EMT
40797	LAWREN	PLASEK	TEXAS CITY	EMT	86370	OTIS	SHAW	GD PRAIR	EMT	38010	JERRY	VIRDEN	GRUVER	EMT-P
60473	ENRIQUE	PONCE	EL PASO	EMT-I	66909	SUZELLE	SHAW	LAREDO	EMT	91386	JEFFERY	VON ELLING	KELLER	EMT
5304	GASTON	POPOVICH	HOUSTON	EMT	100259	SHELLY	SHEILDS	HOUSTON	EMT	87182	STACY	VOTRUBA	KAUFMAN	ECA
2493	SARA	PROCTOR	ROCKDALE	EMT	60533	SHANNO	SHEILDS	MIDLAND	EMT	86086	BRAD	WADE	FT WORTH	EMT
11579	CINDY	PRUITT	LUBBOCK	EMT	29975	VICTOR	SHIRLEY	CEDAR HILL	EMT-P	96294	PETER	WAGNER	AUSTIN	EMT
4966	CATHY	PUDIK	ALLEN	EMT	75983	KYLE	SHORT	ARLIN	EMT	59195	SARAH	WAGONER	CEDAR HILL	EMT-P
80759	PENNY	QUINN	WILMER	ECA	90542	FRANK	SHYNETT	BEAUMONT	EMT	22829	KIRK	WAKEFIELD	DENTON	EMT-P
83902	ROBIN	RACHAL	KILGORE	EMT	100396	MAQSOOD	SIDDQUI	HOUSTON	EMT	72415	KIMBERLY	WALDON	MONTALBA	ECA
66600	JAMES	RAGLAND	HARRISON	EMT-P	54297	BARBARA	SIEFFERT	GARLAND	EMT-P	7440	JASON	WALDVOGEL	WOODLANDS	EMT-P
18575	ASHLEY	RAMIREZ	LUBBOCK	EMT-I	58970	TRACY	SILL	LULING	EMT-P	87372	PAULETTE	WALL	CAMPWOOD	EMT
21042	CAROLI	RAMIREZ	RK SPRINGS	ECA	79954	JOSEPH	SIEMIEN	BEAUMONT	EMT	100260	RONALD	WALLINGSFORD	PASADENA	EMT
100333	ESTER	RAMOS	LUBBOCK	EMT	65067	JESSEE	SIXTOS	BROWNSVILLE	EMT	55361	JUANITA	WAMBLE	RICHMOND	EMT-P
58808	DAWN	REA	FRITCH	EMT-P	83783	BRENDAN	SKAGGS	BURLESON	EMT	35883	JEFF	WARD	S ANTON	EMT
86227	RONALD	REED	GREENVILLE	ECA	46021	DAVID	SLAPE JR	OVILLA	EMT-P	61589	WILLIAM	WARNER	FT WORTH	ECA
51524	SHANE	REED	SULP BLUFF	EMT-I	52989	JAY	SLAUGHTER	CISCO	EMT-P	15778	JOHN	WARREN	AUSTIN	EMT
88912	TROY	REEVES	AUSTIN	ECA	81704	RICHARD	SMITH	KELLER	EMT	54886	JAMES	WASINGER	IRVING	EMT-P
83600	BO	REGER	HONDO	EMT	22375	ROBERT	SMITH	FT WORTH	EMT	64817	DAVID	WEAVER	HOUSTON	EMT-I
60956	ROYCE	REID	COPCOVE	EMT-I	6956	SCOTT	SMITH	MCKINNEY	EMT-I	91580	BRANDY	WEBB	MANVEL	EMT-I
486	DENNIS	REILLY	S ANTON	EMT-I	28981	DON	SMITH	HAWLEY	ECA	92193	ROBERTA	WELDON	TOMBALL	EMT
80310	MARTY	RENEAU	AMARILLO	EMT	17061	EDWARD	SMITH	ARLIN	EMT-P	30896	DOUGLAS	WELLS	C CHRISTI	EMT
67560	JEREMIAH	REVELLE	FT WORTH	EMT	74877	GEORGE	SMITH	AUSTIN	EMT	98785	TIMOTHY	WENNERGREN	LEAGUCITY	EMT
100084	JENNIFER	REVELLE	IRVING	EMT	73604	NICK	SMITH	ADDISON	EMT	87863	NELSON	WEST	AUSTIN	EMT
65804	MARYAN	REYES	SPRING	EMT	73739	STEPHEN	SMITH	DALLAS	EMT	50601	SUSN	WEST	CLEBURNE	ECA
100378	RAUL	REYES	BROWNSVILLE	EMT	58396	PETER	SNELL	S ANTON	EMT-P	51332	AMANDA	WETZ	BAYTOWN	EMT-P
19196	ROBERTO	REYNA	LAREDO	EMT-P	92696	HORACE	SPILLER III	S ANTON	EMT	19541	SHANNO	WHISENHUNT	WHITE OAK	EMT-I
64576	JAN	REYNOLDS	SNDIA	EMT	75053	JAMES	STACY	ARLIN	EMT	72316	CARTER	WHITE	MCALLEN	EMT
35154	DEBORAH	REYNOLDS	VICTORIA	EMT-I	94413	JOHN	STAFFORD	KILLEEN	EMT	59153	KRISTI	WHITE	AMARILLO	EMT-P
10278	THERESA	RICE	CHANNVIEW	ECA	83865	CYNTHIA	STAFFORD	BRAETTVILLE	EMT	94441	MICHAEL	WHITE	QUINLAN	ECA
19850	WELDON	RICHARDSON	AMARILLO	EMT	67950	GREGG	STAMPER	GAIL	EMT	81313	RICHARD	WHITE	B SPGS	EMT
65910	DEREK	RICHERSON	PASADENA	EMT	100185	BRANDO	STEPHENS	CROWLEY	EMT	69134	ALFRED	WHITSELL	FRISCO	EMT
50983	GUY	RIEMENSCHNEIDE	AUSTIN	EMT-I	93647	CHARLES	STEWART	ORANGE GRE	EMT	44217	DANNY	WHORTON	MAY	EMT
57530	BRAD	RILEY	CLAYTON	EMT-P	85565	WELDON	STOGSDILL	BURLESON	EMT	67823	VERNON	WILLIAMS	NACOGDHES	EMT
3335	HARRY	RISOR	SNDIA	EMT	65361	JOHN	STONE	BEAUMONT	ECA	88486	DONA	WILLIAMS	CHANNING	EMT
12583	KIMBERLY	RITZMANN	GALVESTON	EMT-I	39163	STUART	STONG	HOUSTON	EMT	67551	JOHN	WILLIAMS	FT WORTH	EMT
31170	CHRIS	ROBERDS	DUNCAVILLE	EMT-P	96665	JASON	STRONG	SPRINGFIELD	EMT	87131	MICHELLE	WILLIAMS	CAMPWOOD	EMT
78072	BRENDA	ROBLES	HOUSTON	EMT-I	10743	JOEL	STRZELCZYK	SEGUIN	EMT-P	60150	EUGENE	WILLIAMS JR	ITALY	EMT-I
100334	GUSTAVO	RODRIGUEZ	S ANTON	EMT	88628	BILLY	SULLIVAN	COAHOMA	ECA	95310	DAVID	WILLIAMSON	GRNVILLE	ECA
74844	GERONIM	RODRIGUEZ	FT WORTH	ECA	46379	WILLIAM	SULLIVAN	B SPGS	EMT-P	10766	DAVID	WILLS	FT WORTH	EMT
59332	VERONIC	RODRIGUEZ	LAREDO	EMT	59564	LISA	SWAIN	IRVING	EMT-P	80714	STEVE	WILLS	PEARLAND	EMT
83765	LAVERNA	ROGERS	STAR	EMT	96876	INGA	SWENSON	BATROUGE	EMT	93292	GEORGE	WILSON	SEVEN PTS	EMT
77825	KEVIN	ROHRBACH	HONDO	EMT	26553	RACHEL	SYKORA	WEST	EMT	60790	KRISTIE	WILSON	SN BENITO	EMT
95197	LEAH	ROLAN	ROCKDALE	EMT	30442	GLEN	SYKORA	ROBSTOWN	EMT-I	5964	DAVID	WINDROW	SOUTHLAKE	EMT
92250	WESLEY	ROLAN	ROCKDALE	EMT	97482	BETTIE	TABER	GRANSHOALS	EMT	92569	ANDREA	WINGATE	PT NECHES	EMT
82326	RICARDO	ROSAS	LAREDO	EMT	77207	MICHAEL	TALLANT	FT WORTH	EMT	86940	PATSY	WINGATE	BEAUMONT	EMT
84434	LA VAUG	ROSEBERY	AUSTIN	ECA	22534	EDWARD	TALLY III	DENTON	EMT	34572	ROLAND	WINN	S ANTON	EMT
14149	FRANCES	ROTHERMUND	MINWELLS	EMT-P	67164	BRIAN	TANNEHILL	KILGORE	EMT	6190	CHARLES	WINNEY JR	S ANTON	EMT-P
88877	CURTIS	ROUGHTON JR	ROCKWALL	EMT	24433	CARL	TEASDALE	TAYLOR	EMT-P	81896	VALERIE	WITZKY	EL PASO	ECA
70711	BRANDY	ROUNSAVILL	SEGUIN	EMT-I	74144	JIMMY	TENISON	NACDOCHES	ECA	43113	GREG	WOLCHANSKY	DALLAS	EMT-P
65407	STEVEN	ROUTHIER	LUMBERTON	ECA	62910	ROBERT	TENNANT	HOUSTON	EMT	74653	RAMON	WOODS	LEVELLAND	EMT
100155	THERESA	ROUX	HOUSTON	EMT	11429	JAMES	THOMAS	CLARENDON	EMT	83743	RICHARD	WOOTEN	ROPESVILLE	ECA
23632	SHIRLEY	ROWLAND	HILLT LAKES	ECA	19496	PHILLIP	THOMAS	CELINA	EMT	93754	ROBBIE	WORTH	WYLIE	EMT
61964	BRIDGET	RUSHING	PEARLAND	EMT-I	64521	RONALD	THOMISON II	MCALLEN	EMT	68137	MICHELLE	WRIGHT	GD PRAIR	EMT
90277	DAVID	RUSSELL	PT NECHES	EMT	8156	BRIAN	THOMPSON	WHITE SETTLE	EMT	51249	RICHARD	WRIGHT	HOUSTON	EMT
70100	TAMMY	RUTLEDGE	MILLSAP	ECA	72483	CHRISTIN	TONER	MARBLEFALLS	EMT	39356	LARRY	WYKES	AUSTIN	EMT-I
75388	MICHEAL	RYAN	HOUSTON	EMT	98935	CHRISTOP	TORIGGINO	AUSTIN	EMT-P	15109	JACK	YOUNGBLOOD	ANNA	EMT
85522	JESSICA	RYAN	BURKBUNETT	EMT	100309	BLAKE	TRESTER	DEL RIO	ECA	13938	CHRISTO	YOUNGER	EL PASO	EMT
42979	GILBERT	SNCHEZ	MISSION	EMT	62954	CONNELL	TRIMBER	AUSTIN	EMT-P	18331	CHRIS	YOUNTS	SN ANGELO	EMT-P
67631	GARY	SNDERS	GREENVILLE	ECA	98602	STEVEN	TRUBEE	COPPECOVE	EMT	13080	ROY	ZACHARY III	THORNDALE	EMT
100281	JOHN	SNDERS	ETOILE	EMT	91973	TOMMY	TRUITT	HOUSTON	EMT	100101	CHRIS	ZARALIAKOS	C CHRISTI	EMT
46410	VICTOR	SNTOS	BEAUMONT	EMT-P	91669	BILL	TUCKER	LEXINGTON	EMT	67271	RON	ZOLLER	ARLIN	EMT



## DISCIPLINARY ACTIONS

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) 834-6700.

**Advanced Cardiac & Trauma EMS, Weslaco, TX.** Administrative penalty of \$1,000. EMS Rule 157.19(c)(1)(A), failure to comply with provider license requirements in 157.11, equipment.

\* **Aguilar, Carlos, Galena Park, Texas.** Twenty-four months probation of EMT-Paramedic certification through July 22, 2000. EMS Rules 157.44, 157.51(b)(16) and (c) and 157.53, misdemeanor conviction while certified.

\* **Alvarez, Ismael J., Houston, Texas.** Downgrade of EMT-Paramedic certification to EMT certification. EMS Rules 157.51, failure to follow EMS standards of care in the management of a patient.

\* **Askey, Sherrie Wall, Fort Worth, Texas.** Twenty-four months probation of EMT certification through July 19, 2000. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor conviction.

**Ayers, Melanie Dawn, Houston, TX.** Twelve months probation of EMT certification through April 10, 1999. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor conviction.

**Ballard, Pattie Love, Aransas Pass, TX.** Twenty-four months probation of EMT certification through April 3, 2000. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor conviction.

**Big Country Medical Transport Service, Abilene, TX** Revocation of EMS Provider license. EMS Rules 157.19(c)(1)(C) and (K), (P), and (U), providing an unauthorized level of service.

\* **Big D EMS, Eules, Texas.** Administrative penalty of \$250. EMS Rule 157.19(c)(1)(A) covering additions of a vehicle to the fleet without approval.

**Blankenship, Kennie, Houston, TX.** Two years probation of EMT-paramedic certification through April 7, 2000. EMS Rule 157.51 (b)(2), failure to follow medical director protocols.

**Boswell, Bart Paul, Houston, TX.** Four years probation of EMT-Paramedic certification through October 17, 2001. EMS Rules 157.44, 157.51(b)(16) and (c) and 157.53, misdemeanor convictions while certified.

\* **Botello, Gilbert III, Galveston, Texas.** Emergency suspension of EMT certification. EMS Rule 157.51(a)(1)(B), failure to complete 2 year continuing education requirements.

**Boyd, David A., Granbury, TX.** Three years probation of EMT certification through August 9, 1999. EMS

Rule 157.51(a)(1), imminent danger to the public health or safety.

**Brooke, Brian, Waco, TX.** Emergency suspension of EMT-Paramedic certification. EMS Rules 157.51(a)(1), imminent danger to health and safety.

**Burns, Terry, Buffalo Gap, TX.** Emergency suspension of ECA certification. EMS Rule 157.51(a)(1)(B), failure to complete CE requirements, falsification of 2-Year CE Summary.

**Carroll, Kevin Wayne, Natalia, TX.** Thirty-six months probation of EMT-Paramedic certification through May 13, 2001. EMS Rules 157.44, 157.51(b)(16) and (c) and 157.53, misdemeanor conviction while certified.

**Chapa, Adalberto Eli, Rio Grande City, TX.** Twelve months probation of EMT certification through October 20, 1998. EMS Rules 157.44, 157.51(b) and (c) and 157.53, felony conviction.

**Collins, Anita Robin, Big Lake, TX.** Twenty-four months probation of EMT-Intermediate certification through March 4, 2000. EMS Rules 157.44, 157.51(b)(16) and (c), and 157.53, misdemeanor conviction while certified.

**Corbeil, Louis Adrein, Brownsville, TX.** Five years probation of EMT-Intermediate certification through May 3, 2000. EMS Rule 157.44 (b)(1) and (c), and 157.53, felony conviction.

\* **Crain, Gregory E., Palo Pinto, Texas.** Decertification of EMT certification effective June 4, 1998. EMS Rule 157.44(c) and Texas Revised Civil Statutes Annotated, Art. 6252-13c, §4(e), felony convictions while certified.

**Creech, Hugh Lanier Jr., Corpus Christi, TX.** Two years probation of EMT certification through July 23, 1999. EMS Rules 157.44, 157.51(b) and (c), and 157.53, felony/misdemeanor convictions.

**Curry, Elizabeth Anne, Athens, TX.** Decertification of EMT-Paramedic by reciprocity effective May 4, 1998. EMS Rule 157.51(b)(5), failure to comply with the terms of a probation.

\* **Daniell, Barbara K., Canton, Texas.** Emergency suspension of EMT certification. EMS Rule 157.51(a)(1)(B), failure to complete 2 year continuing education requirements.

**Delgado, Frank J., Austin, TX.** Two years probation of EMT-Paramedic certification through May 4, 2000. EMS Rule 157.51(b)(22), obtain any benefit to which he is not entitled by ... fraud.

\* **Dixon, David John, Haltom City, Texas.** One year probation of EMT-Intermediate reciprocity certification through July 9, 1999. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor convictions.

\* **Docis, Paul, League City, Texas.** Emergency suspension of EMT-Intermediate certification. EMS Rule 157.51(a)(1)(B), failure to complete 2 year continuing education requirements.

**Elmore, Lyle Alan, Quanah, Texas.** Probation of EMT certification through September 30, 2000. EMS Rules 157.51 (b)(26) and (c) and 157.44(c), falsification of application; felony conviction.

**EM-CARE Ambulance Inc., McAllen, Texas.** Administrative penalty of \$10,000. EMS Rule 157.19(c)(1)(A), failure to comply with provider license requirements - liability insurance.

**Fernandez, Victor M., San Antonio, TX.** Twelve months probation of EMT certification through September 11, 1998. EMS Rules 157.44, 157.51(b) and (c), 157.53, misdemeanor convictions.

\* **Fox, Chadwick Clay, Lago Vista, Texas.** Emergency suspension of EMT certification effective June 18, 1998. EMS Rules 157.51(a)(1)(A), reason to believe conduct of certificant creates an imminent danger to the public health or safety.

**Garcia, Julian Javier, Weslaco, TX.** Twenty-four months probation of EMT certification through March 24, 1999. EMS Rules 157.44, 157.51(b) and (c) and 157.53, felony conviction.

**Gault, Shelley Wells, Corpus Christi, TX.** Four years probation of EMT certification through November 3, 2001. EMS Rules 157.44, 157.51(b) and (c) and 157.53, felony conviction and misdemeanor convictions.

**Goins, David, Lufkin, TX.** Three years probation of EMT-Intermediate certification until July 31, 1999. EMS Rule 157.51 (2)(A), failure to follow EMS standards of care in the management of patient.

\* **Graham, Robert W., San Antonio, Texas.** Twenty-four months probation of EMT-Paramedic certification through July 15, 2000. Health and Safety Code 773.041(b), a person may not practice as any type of EMS personnel unless the person is certified.

**Griffith, Donald, Lawn, TX.** Emergency suspension of EMT certification. EMS Rule 157.51(a)(1)(B), failure to complete CE requirements, falsification of 2-Year CE Summary.

**Guerra, Michael Santos, Pharr, TX.** Twelve months probation of EMT certification through October 31, 1998. EMS Rules 157.44, 157.51(b) and (c) and 157.53, felony conviction.

\* **Hall, Troy Thomas, Synder, Texas.** Emergency suspension of EMT certification. EMS Rule 157.51(a)(1)(B), failure to complete 2 year continuing education requirements.

**Hanson, Yolanda Saldana, San Antonio, TX.** Decertification of EMT-Paramedic certification. EMS Rule 157.51(b)(11) and (16), conviction of a felony while certified.

**Henry, Douglas A., Kirbyville, TX.** Four years probation of EMT-Paramedic certification through February 5, 2002. EMS Rules 157.44, 157.51(b)(16) and (c), and 157.53, misdemeanor conviction while certified.

\* **Herring, Ronald J., Mansfield, Texas.** Decertification of EMT-Intermediate certification effective June 12, 1998. EMS Rules 157.38(i)(3) and 157.51(b)(27), failure to comply with an audit of continuing education hours and failure to complete continuing education requirements.

\* **Hicks, Kelly Marie Valentich, Dallas, Texas.** Twenty-four months probation of EMT-Paramedic certification through July 10, 2000. EMS Rules 157.44, 157.51(b)(16)(24) and (c), misdemeanor convictions while certified.

**Hippe, Terri J., Flint, TX.** Twenty-four months probation of EMT-Paramedic certification through August 31, 1999. EMS Rule 157.51 (b)(2), failure to follow EMS standards of care in the management of a patient.

**Hitt, Jeffrey L., Winona, TX.** Twelve months probation of EMT-Paramedic certification until December 3, 1998. EMS Rule 157.51(b)(1), failure to follow EMS standards of care.

\* **Hoffma, Anthony John, Corsicana, Texas.** Decertification of EMT certification effective June 1, 1998. EMS Rules 157.51(b)(16) and (24), misdemeanor conviction while certified and failure to give the department full and complete information upon request.

\* **Hudspeth County Sheriff's Department, Sierra Blanca, Texas.** Twelve months probation of provider license through June 12, 1999. EMS Rule 157.11(d)(1)(A), failure to have 2 EMS certified personnel on an ambulance, when in service.

\* **Jones, Ronald Ray, Fort Worth, Texas.** Twelve months probation of EMT certification through June 4, 1999. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor conviction while certified.

**Jordan, Richard Todd, Friona, TX.** Twenty-four months probation of EMT certification through August 27, 1999. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor conviction.

\* **Kelley, Necil L., Anahuac, Texas.** Decertification of EMT certification effective June 12, 1998. EMS Rules 157.38(i)(3) and 157.51(b)(27), failure to



comply with an audit of continuing education hours and failure to complete continuing education requirements.

\* **Leumont, Mark Stephen**, Bonham, Texas. Emergency suspension of EMT-Intermediate certification effective June 5, 1998. EMS Rule 157.51(a)(1)(A), reason to believe conduct of certificant creates an imminent danger to the public health or safety.

\* **Mancillas, Corrine Alethea**, El Paso, Texas. Twenty-four months probation of EMT certification through June 30, 2000. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor conviction.

\* **Martin, Jason Todd**, Austin, TX. Two years probation of EMT-Intermediate certification through October 20, 1999. EMS Rules 157.44, 157.51(b)(16) and (c) and 157.53, misdemeanor conviction while certified.

\* **Martin, Kevin Lee**, Center, Texas. Denial of application for EMT-Intermediate certification and decertification of EMT certification effective June 4, 1998. EMS Rules 157.44, 157.51(b)(16), (24) and (28) and (26) and 157.53, misdemeanor conviction while certified, failure to give the department full and complete information upon request and abuses alcohol or drugs that, in the opinion of the bureau chief, could endanger the lives of patients.

\* **Mason, Laura Ruth**, Tyler, Texas. Emergency suspension of EMT-Paramedic certification. EMS Rule 157.51(a)(1)(B), failure to complete 2 year continuing education requirements.

\* **Massegee, Tommy Doyle**, Grand Prairie, TX. Four years probation of EMS certification through March 12, 1999. EMS Rule 157.44 (b)(1) and (c), and 157.53, felony conviction.

\* **McCammom, Robert S.**, Texas City, Texas. Emergency suspension of EMT certification. EMS Rule 157.51(a)(1)(B), failure to complete 2 year continuing education requirements.

\* **McMahon, Jeremy Edward**, Garland, Texas. Twenty-four months probation of EMT certification through July 22, 2000. EMS Rules 157.44, 157.51(b) and (c) 157.53, misdemeanor conviction.

\* **McQueen, Gerda**, Briggs, TX. Probation and voluntary downgrade to EMS certification through May 31, 1999. EMS Rule 157.51(2)(A) & (B), old rules, failure to follow EMS standards of care.

\* **Menchaca, Frank T.**, San Antonio, Texas. Twelve months probation of EMT recertification through June 10, 1999. EMS Rules 157.44, 157.51(b)(16) and (c), and 157.53, misdemeanor conviction while certified.

\* **Miller, Robert Scott**, Lockhart, Texas. Twenty-four months probation of EMT-Paramedic certification through June 4, 2000. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor conviction while certified.

\* **Moreno, Antonio Juan**, Rio Grande City, TX. Twelve months probation of Emergency Care Attendant certification through October 30, 1998. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor conviction.

\* **Morris, Brain J.**, Corpus Christi, TX. Twelve months suspension of EMT-Paramedic certification through March 24, 1999. EMS Rules 157.51(b)(1), (2) and (25), Failure to administer medications and/or treatments in accordance with medical director's protocols.

\* **Munoz, Mario**, El Paso, TX. Decertification of EMT-Paramedic certification. EMS Rule 157.51(b)(1), failure to follow the EMS standards of care in the management of a patient.

\* **Myer, Bobby Wayne**, Haskell, TX. Twenty-four months probation of Emergency Care Attendant certification until December 3, 1999. EMS Rules 157.44, 157.51(b) and (c) and 157.53, felony conviction.

\* **Pack, Stephen Todd**, Sweetwater, TX. Two years probation of EMT-Paramedic certification through July 30, 1999. EMS Rules 157.51(b)(26) and (c), falsification of application for EMS Personnel certification.

\* **Padron, Michael L.**, McKinney, TX. Twelve months

probation of EMT certification through October 31, 1998. EMS Rules 157.44, 157.51(b) and (c) and 157.53, felony conviction and misdemeanor conviction.

\* **Parkhill, Kimberly**, Mart, TX. Emergency suspension of EMT-Intermediate certification. EMS Rules 157.51 (a)(1), imminent danger to health and safety.

\* **Patlan, Shelia**, Carrizo Springs, Texas. Decertification of EMT certification. EMS Rule 157.51(b)(22), obtains any benefit to which not otherwise entitled by fraud or misrepresentation while in the course of duties as an EMS certificant.

\* **Pearson, Michael Ray**, Huffman, TX. Twenty-four months probation of EMT-Intermediate recertification through April 15, 1999. EMS Rule 157.44, 157.51 (b)(16) and (c) and 157.53, misdemeanor conviction while certified.

\* **Perez, Paul**, El Paso, TX. Twelve months probation of EMT certification through May 3, 1999. EMS Rules 157.44, 157.51(b)(16) and (c), misdemeanor or conviction while certified.

\* **Petty, Travis Wade**, Killeen, TX. Twenty-four months probation of EMT-Paramedic certification through February 9, 2000. EMS Rules 157.44, 157.51(b)(16) and (c), and 157.53, misdemeanor conviction while certified.

\* **Ramsey, Donald Dean III**, Portland, TX. Four years probation of EMT certification through January 15, 2002. EMS Rules 157.44, 157.51(b) and (c), and 157.53, felony conviction.

\* **Ransonette, Kathleen Doretta**, Dumas, TX. Twenty-four months probation of EMT certification through October 31, 1999. EMS Rules 157.44, 157.51 (b) and (c) and 157.53, misdemeanor convictions.

\* **Richardson, Bill H.**, Bryan, Texas. Emergency suspension of EMT certification. EMS Rule 157.51(a)(1)(B), failure to complete 2 year continuing education requirements.

\* **Riley, John Irvin**, Smithville, TX. Twelve months probation of Emergency Care Attendant certification through November 4, 1998. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor conviction.

\* **Rogers, Gary Keith**, Lovelady, TX. Decertification of EMT-Intermediate certification effective May 4, 1998. TX Revised Civil Statutes, Art. 6252-13c, {SECTION}4(e) and EMS rules 157.44 and 157.51(b)(16), felony conviction while certified.

\* **Romo, Michael F.**, Houston, Texas. Twenty-four months probation of EMT-Paramedic recertification through May 28, 2000. EMS Rules 157.44, 157.51(b)(16) and (c), and 157.53, misdemeanor conviction while certified.

\* **Rubio, Cruz**, Port Lavaca, Texas. Emergency suspension of ECA certification. EMS Rule 157.51(a)(1)(B), failure to complete 2 year continuing education requirements.

\* **Rural/Metro**, Abilene, Texas. Administrative penalty of \$250. EMS Rule 157.19(c)(1)(A), equipment violation.

\* **Rutland, Harold Dean**, Sonora, TX. Probation of EMT certification through April 30, 2000. EMS Rules 157.51(26), falsification of an application for EMS personnel certification.

\* **Scown, Rex Burton**, Odessa, TX. Twelve months probation of EMT certification through October 31, 1998. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor conviction.

\* **Sexton, Derek Jason**, Maxwell, TX. Twenty-four months probation of EMT certification through December 2, 1998. EMS Rules 157.44(c), 157.51(b) and (c) and 157.53, felony conviction.

\* **Shoemaker, Donald Wayne**, Lake Jackson, TX. One year probation of EMT-Intermediate certification through November 9, 1998. EMS Rule 157.51(b)(1), failure to follow EMS standards of care in the management of a patient.

\* **Skelton, Richard Lee**, McGregor, TX. Three years probation of ECA certification through January 24, 2000. EMS Rules 157.44, 157.51(b) and (c) and 157.53,

felony convictions.

\* **Smith, Cassandra**, Pensacola, Florida. Two year probation of EMT-Paramedic certification through March 25, 2000. EMS Rule 157.51(b)(2), failure to follow medical director protocols.

\* **Smith, Tracy D.**, Kingsbury, TX. Twenty-four months probation of EMT certification through July 23, 1999. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor conviction.

\* **Sowell, Dana**, Buffalo Gap, Texas. Twenty-four months probation of ECA certification through June 12, 2000. EMS Rule 157.51(b)(27), failure to comply with continuing education requirements in 157.38.

\* **Stewart, Roger**, Grapevine, Texas. Emergency suspension of EMT certification. EMS Rule 157.51(a)(1)(B), failure to complete 2 year continuing education requirements.

\* **Thetford, Jon Wesley**, Houston, TX. Twelve months probation of EMT certification through October 17, 1998. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor convictions.

\* **Thorpe, Michael Ray**, Brenham, Texas. Twenty-four months probation of EMT-Paramedic certification through July 20, 2000. EMS Rules 157.51(b)(1), failure to follow EMS standards of care in the management of a patient.

\* **Tru-Care Ambulance Service**, Houston, Texas. Revocation of provider license. EMS Rules 157.11(m)(17), failure to notify the department of change of status and location.

\* **Upchurch, Kristal Michelle**, Schulenburg, TX. Twelve months probation of EMT certification through October 31, 1998. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor conviction.

\* **Veal, Paul Douglas**, Wichita Falls, Texas. Six months probation of EMT-Paramedic certification through February 4, 1999. EMS Rules (old) 157.51(2)(X), failure to give the department full and complete information, upon request, regarding a confirmed violation of the Health and Safety Code Chapter 773.

\* **Wamsley, John Martin**, Liberty Hill, TX. Twenty-four months probation of Emergency Care Attendant certification through January 23, 2000. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor conviction.

\* **Ward, Gary Peter**, Houston, Texas. Emergency suspension of EMT-Paramedic certification effective April 1, 1998. EMS Rule 157.51(a)(1)(A), reason to believe conduct of certificant creates an imminent danger to the public health or safety.

\* **Warner, Marcia Ann**, Kingwood, Texas. Emergency suspension of EMT certification. EMS Rule 157.51(a)(1)(B), failure to complete 2 year continuing education requirements.

\* **Weatherford, Rowdy Lee**, Mart, TX. Emergency suspension of EMT-Paramedic certification. EMS Rules 157.51 (a)(1), imminent danger to health and safety.

\* **Weinheimer, Rex Joseph**, Stonewall, TX. Four years probation of Emergency Care Attendant certification through September 30, 1999. EMS Rule 157.44(b)(1) and (c), and 157.53, misdemeanor convictions.

\* **Wingard, Glenn Ray**, Oakwood, Texas. Emergency suspension of ECA certification effective May 14, 1998. EMS Rule 157.51(a)(1)(A), reasonable cause to believe conduct of certificant creates an imminent danger to the public health or safety.

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



# MEETINGS AND NOTICES

## CALENDAR

September 18, 1998. **Pedi Emergencies.** CE for nursing Type I, EMTs, PTs, OTs, X-Ray, Resp. Tech. Contact Kathy Jordan, Texarkana College, at 903/838-4541, ext. 382.

September 19-20, 1998. **Basic Vertical Rescue.** Call Polli Williams, McLennan Community College-Waco, 254/299-8591.

September 26, 1998. **Haz-Mat Update '98.** Contact Kathy Jordan, Texarkana College, at 903/838-4541, ext. 382.

September 26, 1998. **Extrication Beyond the Tools.** Call Central Texas Trauma Council, Temple, 254/933-8762.

September 29, 1998. **ACLS Prep Course.** Texas Tech University Health Sciences Center, El Paso Campus. Contact Gloria Soto, 915/771-0296.

September 29-30, 1998. **4th Annual Massachusetts Fire & Safety Public Education Conference.** Worcester, MA. For conference information, call 508/567-3380.

October 3, 1998. **PALS Update.** Contact Kathy Jordan, Texarkana College, at 903/838-4541, ext. 382.

October 3-4, 1998. **Pediatric Advanced Life Support.** Contact Kathy Jordan, Texarkana College, at 903/838-4541, ext. 382.

October 4-9, 1998. **Executive Leadership Course.** Ernie Rodriguez, Emergency Medical

## Fax items for this section to 512/834-6736

There is not a charge to run items in the meetings and notices section.

Services Leadership Academy, at [www.emsla.org](http://www.emsla.org).

October 4-9, 1998. **EMD Management Course.** Ernie Rodriguez, Emergency Medical Services Leadership Academy, at [www.emsla.org](http://www.emsla.org).

October 5 & 7, 1998. **ACLS Course.** Texas Tech University Health Sciences Center, El Paso Campus. Contact Gloria Soto, 915/771-0296.

October 8, 1998. **Diabetes Update '98.** Contact Kathy Jordan, Texarkana College, at 903/838-4541, ext. 382.

October 17-18, 1998. **Basic Vertical Rescue.** Call Polli Williams, McLennan Community College-Waco, 254/299-8591.

October 27, 1998. **DNR Orders Update.** Contact Kathy Jordan, Texarkana College, at 903/838-4541, ext. 382.

November 12-14, 1998. **Advanced Vertical Rescue.** Call Polli Williams, McLennan Community College-Waco, 254/299-8591.

November 24, 1998. **ACLS Prep Course.** Texas Tech University Health Sciences Center, El Paso Campus. Contact Gloria Soto, 915/771-0296.

December 1 & 3, 1998. **ACLS Course.** Texas Tech University Health Sciences Center, El Paso Campus. Contact Gloria Soto, 915/771-0296.

December 9, 1998. **Immunology From AIDS to Z.** Contact Kathy Jordan, Texarkana College, at 903/838-4541, ext. 382.

## Deadlines and information for meetings and advertisements

**Deadline:** Meetings and notices must be sent in six weeks in advance. After the pages of this magazine have completely gone through editorial, design and layout, the magazine goes to the printshop to get printed (a 15-working-day process), then on to our mailing service (a 4-day process), and then to the post office to get mailed out. Please send in your calendar items six weeks in advance to make the next issue.

**Cost:** Calendar items are run at no charge. Calendar items run in the meeting section until just prior to the meeting or class. Classified ads run for two issues unless we are notified to cancel the ad.

**Fax or mail:** Calendar items can be faxed to 512/834-6736 or mailed to *Texas EMS Magazine*, Texas Department of Health, 1100 West 49th Street, Austin, TX 78756-3199. Call 512/834-6700 if you have a question about the calendar section.

## Jobs

**Paramedic:** International health services company looking for paramedic for rotating 28 day assignments in remote sites. Duties include emergency and occupational medicine. Knowledge of Spanish is encouraged. Competitive salary, travel and lodging paid. Fax resumes to 713/521-7655. +

**Paramedic:** Calhoun County EMS is currently accepting applications for 1 paramedic position. Salary \$24,000; residency required. Excellent equipment, protocols and benefits. Contact Henry Barber/Carl King, 216 E. Mahan St, Port Lavaca, TX 77979, 512/552-1140. +

**Paramedics:** Acadian Ambulance and Air Med Services is hiring nationally registered paramedics for ground ambulance and off-

shore operations. Excellent benefits package. Contact Human Resources at 800/259-3333 or [www.acadian.com](http://www.acadian.com). +

**EMT, EMT-I, Paramedic:** Alpine EMS/WTAS is accepting applications for full-time positions for expanding BLS/MICU-capable service providing city/county 9-1-1, hospital transfers. Contact Mike Scudder at 915/837-3028 or send resume to Alpine EMS/WTAS, P.O. Box 338, Alpine, TX 79831. +

**Paramedic/Firefighter:** City of New Braunfels is accepting applications for paramedic/firefighter. Salary starts \$26,000. Posting closes September 11, 1998. For more information contact City of New Braunfels Personnel Office, P.O. Box 311747, New Braunfels, TX 78131, 830/608-2100. +

**Paramedic:** Gillespie County EMS in Fredericksburg, a 9-1-1 and transfer service, is seeking a full-time paramedic. Competitive salary, benefits. Send resumes or pick up application at 100 S. Nimitz Pkwy, Fredericksburg, TX 78624. +

**EMT, EMT-I, Paramedic:** Prime Care Ambulance is accepting applications for EMT, EMT-I, paramedics. Excellent benefits, flexible hours, overtime and hiring bonus. Contact 713/521-1424. +

**EMT, EMT-I, Paramedic:** Needed for expanding private service in Houston area. 48-60 hour weeks, company-paid health insurance, weekly call bonuses, quarterly profit sharing, salary starting at \$25,000. Send resume to Thomas Ambulance, Troy Peoples, 4527 Spring Cypress Rd, Spring, TX 77388. +

**Paramedics:** MedStar, Fort Worth, is hiring full-time paramedics. 9-1-1 and non-emergency. Sign-on bonus. Send resume to Annette Hawkins, 3010 S. Grove, Fort Worth, TX, 76104, 817/927-4491 office, 817/927-4493 fax. +

**EMT Coordinator:** City of Garland FD is accepting applications for EMT Coordinator. Five years experience as a certified paramedic, one year in EMS education and an Associate degree in a health-related field required. Salary range \$14.71-24.31/hour. For application, call 972/205-2475 or go by City of Garland Personnel Department, 200 N. Fifth St., Garland, TX 75040. +

**EMT, EMT-I, Paramedic:** American Medical Response has openings for EMTs, EMT-Is, and paramedics. Competitive wages, excellent benefits. Call 888/AMR-HIRE. +

**Paramedics:** Harker Heights FD has openings for firefighters and firefighters/paramedics. Competitive salary. Contact Harker Heights City Hall, Personnel Department, 254/699-2301. +



# MEETINGS AND NOTICES

**EMTs, EMT-Is, paramedics, dispatchers, non-med wheelchair van drivers:** Life Line Universal Transport, Inc., has full-time and part-time positions available. Competitive wages, excellent benefits. Fax resume to 281/970-1726 or call 281/970-2273. +

**Paramedics:** Eastland Hospital EMS, a busy rural 9-1-1 service, is accepting applications for EMT-P, 24/48 shift with some call time. Call Richard Bird at 254/629-2601.\*

**Firefighter/Paramedic:** City of Kerrville has openings for certified firefighter/paramedic. \$1976/mo, city pays 80% of family health insurance. Apply at City of Kerrville, Personnel Dept., 800 Junction Hwy. Kerrville, TX 78028, 830/257-8000, fax 830/792-3850.\*

**Paramedics:** Orange County Ambulance Service, Inc., a 9-1-1 service, has full-time positions available. Competitive wages & benefits. Current TDH certified, driver's license required. Call 409/883-0230 or send resume to Orange County Ambulance Service, Inc., 1502 Strickland Dr. Ste 7, Orange, TX 77630.\*

**Paramedic:** Val Verde Regional Medical Center in Del Rio is seeking a full-time paramedic. Recruitment bonus, competitive wages & benefits. Call 830/775-8566, ext 174, or send resume, to P.O. Box 1527, Del Rio, TX 78840.\*

**Paramedics:** Winkler County EMS is hiring paramedics. Prefer 9-1-1 and transfer experience, AHA CPR and ACLS with BTLs or PHTLS. Fax resume with copies of certification and TX driver's license to Mary Haley at 915/586-5031 or call 915/586-5860, ext. 3029.\*

**EMTs, firefighters:** Openings in every region of the state. Starting salary of \$25,668-\$32,314 annually. Write to Texas Firefighter Recruitment, 3815 50th St., Dept. 17T, Lubbock, TX 79413.\*

## FOR SALE

**For Sale:** CPR manikins, new and used. CPR supplies, airways, manikin face shields, face pieces, parts. Manikin maintenance cleaning and repairs. Rental manikins available. Contact: Ron Zaring, Manikin Repair Center, Houston, 281/484-8382 or FAX 281/922-4429. +

**For Sale:** CPR manikins. Used Chris Cleans and Resusci Annes. Contact 972/276-4156. +

**CE available:** Tech\*Star EMS Education offers on CE classes. Call 254/968-6960. +

**For Sale:** Medical supplies. Free pair of paramed shears with some purchases.

Mention fax #4343 to receive free shears. Contact ProMedix, P.O. Box 700, West Jordan, UT, 84084, 800/453-1264, (fax) 801/280-1313.\*

**For Sale:** Two Ford E350 diesel Wheeled Coach type III Walk-through units with Ferno 29m stretchers. Both units well-maintained with no body damage and good interiors. 1988, 13,031 mi - \$10,000; 1989, 102,842 mi - \$12,000. Call Eddie Callender at 409/245-2685.\*

**For Sale:** 1987 International ambulance. Rooftop ac, refrigerator, water supply, 4kw diesel generator. Would also make good rehab vehicle for FD. \$9500. Contact Jack Sosebee at 817/885-4281.\*

**For Sale:** (6) Motorola Minitor pagers with chargers, high band VHF. Call Larry Boshear at 903/845-2915.\*

**For Sale:** (9) Motorola Spirit pagers with chargers, high band VHF. Call Larry Boshear at 903/845-2915.\*

**For Sale:** Two Uniden Force mobile radios, two channel, high band VHF. Call Larry Boshear at 903/845-2915.\*

**Ambulance Billing:** L&M Billing, a 24/7 billing company with 10 years experience, can do electronic billing for Medicare, Medicaid and private insurance. Contact 830/276-3432.\*

**Buying Surplus Medical Equipment.** Call Tish Kincade at 817/790-3120, fax 817/790-5311.\*

**For Sale:** Wheeled Coach Ambulance Type II, 1986 Ford E-350 gasoline engine. New tires, 10-channel medical radio. Previously used as third-out unit. Contact Phillip Vargas at 806/874-3139, fax 806/874-2547.\*

**For Sale:** 1990 XL ambulance, Wheeled

Coach, diesel, automatic, 98K miles, extra clean, \$10,000. Call 281/338-4873.\*

**For Sale:** New Type I and III Road Rescue ambulances, Type II Leader ambulances. For information, contact Art Seely, District Sales Manager, Rescue Safety Products Inc., 220 W. Parkway, Denton, TX, 76201, or call 800/481-4490. +

**For Sale:** 1983 Type I Chevrolet 1 ton ambulance, gas, 454 engine, almost new tires, Wheeled Coach box. Radios, cot, suction and light bar included. Call Gustene Bairrington, 806/428-3333.\*

**CE available:** TDH-approved C.E.s available to meet the needs of your department. Contact FIRE-EMS Education at 903/415-0333.\*

**Ambulance Billing:** L&M Billing, a 24/7 billing company with 10 years experience, can do electronic billing for Medicare, Medicaid and private insurance. Contact 830/276-3432.\*

**Ambulance Billing:** Electronic billing, paramedic workshops, electronic trauma registry, month-end financial reports reconciliation, with full service billing package. No start-up cost/fees. Payments are mailed directly to provider. Contact Alexander Consulting, Inc, at 888/991-9444 or www.arconsultants.com\*

November 22-25, 1998  
**Texas EMS Conference '98**  
Austin Convention Center  
Austin, Texas

+ This listing is new to this issue.

\* Last issue to run (If you want your ad to run again please call 512/834-6748.)

## Placing an ad? Moving? Renewing your subscription?

**Placing an ad?** To place an ad or list a meeting date in this section, write the ad (keep the words to a minimum, please) and fax to: *Texas EMS Magazine*, 512/834-6736 or send to *Texas EMS Magazine*, 1100 West 49th, Austin, TX 78756-3199. Ads will run in two issues and then be removed.

**Moving?** Let us know your new address—the post office may not forward this magazine to your new address. Use the subscription form in this magazine to change your address, just mark the change of address box and mail it to us or fax your new address to 512/834-6736. We don't want you to miss an issue!

**Renewing your subscription?** Use the subscription form in this magazine to renew your subscription and mark the renewal box.



# Heading West




*Pam West, Texas State EMS Director for 12 years, left in July to take a job as EMS director in Santa Clara County, California.*

**W**hen I joined the Bureau of Emergency Management 12 years ago, I had no idea where the path would lead me. I knew the job would be challenging, I anticipated that I would continue learning, and I realized that I would be meeting many, many new folks. Now as I prepare to leave, I realize that I underestimated the challenge. I hit a bull's eye with the learning prediction and I did, indeed, meet many new folks. I now face a new challenge: How does one say good-bye to a staff that has become like family? How is it possible to leave a place where I have come to love so many of the "new folks" I met?

I leave because there are new roads to travel, intriguing worlds to explore. I believe that the next century will bring new attitudes about health care and professional collaboration.

These new attitudes will bring new opportunities to impact people and places. Empowerment and accountability will take on true meaning as they move beyond the buzzwords. We have spoken of these things, and in Texas EMS we have called them Project Alpha. I can leave now because I know that hundreds, if not thousands, of you believe these same things. You know that these things are not embodied in the rules. You understand that if EMS is to make a difference, it must be held accountable for its actions. And just as importantly, it must take possession of its own planning, direction and goals. I leave knowing that there are many of you who are strong leaders and have taken these challenges and opportunities as your own.

I leave, but will not say good-bye. I know now that I carry the support and love that you are given. They do not and will not go away because I leave Texas. Rather they will stay with me and add a stronger dimension to the Pam that first came to this state 22 years ago. You have given me the courage to reach out and use my God-given talents in facing new challenges. The lessons I have learned from you will be with me and my work will be better because of you.

Thank you for your strength and caring. Shakespeare said that we're merely players on a stage.....if this is so, God and the angels are the audience and surely when your work is done you will receive a standing ovation. As for me, I move on to Act III. New characters to meet, strange dialogue to learn, and new sets to establish. But I'll remember you... 

Bureau of Emergency Management  
Texas Department of Health  
1100 West 49th Street  
Austin, Texas 78756-3199

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