

# Texas EMS

M a g a z i n e



*May 27, 1997*

*Tornadoes ripped through Central Texas leaving a 100-mile path of destruction.*

*Page 30*

# TORNADO!

## *Emergency response to killer storms*



# 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)

\_\_\_\_\_ (Updated) "I'm an EMS Friend" sticker. Ready Teddy in a 2-½ 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





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Texas EMS  
Conference '97  
Austin, Texas

Texas EMS Conference '97: Registration information, conference schedule and hotels for 1997's biggest EMS conference. Page 10



Cover Photo: Paul Tilley of Moody took this terrifying photo of a tornado.  
Inset: Scott Beckwith photographed the deadly Jarrell twister.





## TEXAS DEPARTMENT OF HEALTH MISSION

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

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*To facilitate statewide, regional, and  
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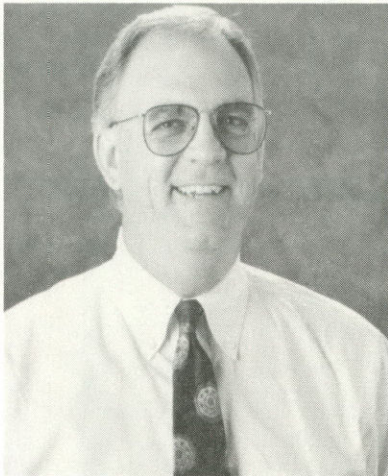
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GENE WEATHERALL, CHIEF OF THE BUREAU OF EMERGENCY MANAGEMENT

# Criteria for trauma money includes RAC participation

If you're not active in a Trauma Regional Advisory Council, you might want to consider it. There might be money in it for your EMS organization. Here's why. This fall new rules will be presented to the Texas Board of Health concerning the funding for an EMS and trauma system. To be presented will be rules for distribution of the \$4 million that was appropriated to develop trauma systems for the biennium, along with rules for a Level V trauma facility. These rules will be on a fast track so that we can distribute the available dollars to EMS and trauma organizations quickly based on criteria approved by the Texas Board of Health. We don't have that criteria yet, but we know it will include participation in the local RAC. Call us or visit our web site if you don't know whom to call in your area. The second group of rules will address the new licensed paramedic and other changes that are being drafted regarding EMS certification and recertification.

We are attempting something new next February with the nation's first EMS Technology Conference. We will hold this conference in conjunction with the annual Government Technology Conference held each year in Austin. This is an opportunity for EMS managers, educators and owners to learn the latest technological advances in emergency medical service. There is more information on page 27. We look forward to you joining us for a new adventure in the area of technology. 🌟

## Certification turnaround time turned around

Since this time last year, certification turnaround times have dropped dramatically. Application processing went from an almost 30-day wait in May of 1996 to a smooth and relatively quick (under a week) process by May of 1997.

What changed? We implemented a variety of modifications, but these are some of the most important:

### Applications and fees to regional offices

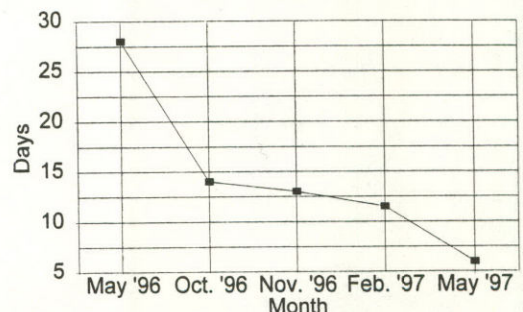
- This allowed any deficiencies to be cleared before testing or at the test site, and enabled single data entry handling.
- Direct-to-region fee payments allowed us to work the applications, and print and mail certificates in about the same amount of time it used to take for the fiscal processing alone.

### Technology Improvements

- The new computer system enabled multiple print runs during a week.
- Our regional office in Temple pioneered a pilot project, scan-grading the bubbled-in answer sheets and sending the data electronically to the central office for production of certificates.—Phil Lockwood

## Turnaround Reductions

May 1996 - May 1997





# Letters

**To Texas EMS Magazine:** As you know, I wrote an article for the last *Texas EMS Magazine* about educating children. Here is a copy of a letter I received from a young individual this week that shows that children do listen and comprehend when taught in an entertaining way. This one letter makes all the long hours and hard work put into our safety programs worthwhile.

*Yours in Safety,  
Who Who the Safety Clown*

**Dear Dean Baswell,**

*I am eight years old and my friend, Brittany, took a segerete (cigarette) and used it and she told me and I used your tips to save her from doing drugs and she made the right decision after all and quit the drugs.*

*Thanks alot.*

**To Texas EMS Magazine:** I would like to take this opportunity to offer my heartiest congratulations to Port Aransas EMS on its twentieth anniversary. The organization has grown and progressed since the "shoestring" days when I was there. Being a part of the birth of

PAEMS is a source of great pride to me. I feel as though a child has grown into adulthood.

I am pretty sure that no one there knows who I am or remembers the early days, but I have never forgotten. It is ironic that three of the founding members have settled in Juneau, Alaska, but when I came to Alaska years ago I was delighted to resume a friendship with John and Louise Holland. John replaced me as president of the PAEMS board and he and Louise were two of the first EMTs in Port Aransas. We still swap a lot of war stories!

PAEMS was officially started on September 10, 1977; however, we actually ran the first call on September 9, 1977, which was my 29th birthday. On the 10th, we had a ribbon-cutting ceremony with various state and city officials. Before the speeches were completed, the ribbon had to be ripped from the ambulance so we could respond to a motorcycle accident ten miles out of town. That, in itself, demonstrated the need for the service. In that very first year, we had a few bad calls, several good ones and yes, even some saves. The first EMT class produced some of the finest volunteers I have ever known.

The heart and soul during the

service's infancy was the volunteers. They were more than EMTs, more than CPR instructors for the community and more than friends. They would gather at my home to clean equipment. They would spend long hours in the sun during art festivals to raise money. They would stand on street corners at night and retrieve my young son so they could watch him while I responded to an emergency.

I hope this will be a year of pride, celebration and renewed commitment by all in the idyllic little town of Port Aransas. I hope that those of you who work, volunteer and provide support for EMS will take the time to praise yourselves for your efforts and to remember that your work is vital. We did what we were taught to do and the information gleaned from that work has been used to hone and polish prehospital treatments. A lot has changed, but there are some old war horses like me who can look back and marvel at the differences.

Happy anniversary, Port Aransas EMS! On September 10, I will drink a toast in your honor.

*Wendy Natkong, EMT-P  
Juneau, Alaska*

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

**Timothy Wayne Martin**, 38, of Portales, New Mexico, died on June 9, 1997, of head injuries suffered during an ambulance crash while transferring a patient to Lubbock. A firefighter and EMT-I for Clovis FD, Martin had

been involved in EMS for three years and firefighting for 13 years.

**Roy A. Meyer**, 57, of Pearland, died on June 1, 1997, near Intercoastal City, Louisiana, when his helicopter was involved in a mid-air

collision with another helicopter. Meyer had previously been lead pilot with Valley Air Care in Harlingen and with HALO Flight in Corpus Christi, and had worked in several helicopter EMS programs across the U.S. in previous years.



By Jane Sandlin

## Sandals take pilot for a walk in another's shoes

*Jane Sandlin, 15, daughter of Harlingen Community Emergency Care Foundation pilot Erle Sandlin, wrote this story based on a conversation with her father.*

I had never clicked before; it was just a job. It put food on the table and money in the bank, and that was all. You got used to the gore: burn victims, car crashes and the likes. Eventually something inside you got hard, and it was no longer quite as sad. Maybe that's nature's way of shielding you from too much suffering. But sometimes, something happens that tugs hard on your heart strings.

That's the way it was for me. Our dispatcher, Roy, fielded the call about 9:55 p.m. and five minutes later we were toned out to the helicopter to pick up the victim. As I completed my lift-off check list, my body was already preparing for the scene. I thought this pick up would be like any other.

In the chopper with me were two medics. The equipment used for saving lives was warming up as I located the landing pad closest to the scene. The mall where the victim lay was about three blocks away from the pad. We had just landed when the ambulance pulled up. I stared straight ahead as they placed the victim in the helicopter.

Lift-off was smooth and soon we were on our way to the hospital.

The EMTs were busy working; I knew, because I heard the hum of their equipment. The patient made no sound. "Brian, what have we got?" I asked. "Teenage girl, looks like 12 or 13. Tried to commit suicide, over a boy," he answered.

This was my first suicide pick-up. "Will she be OK?" I asked Brian. "Not likely," Brian muttered. "She's already done a lot of damage."

I guess I was just curious, but I wanted to see what she looked like. Helicopters offer little leg room, so I did a half-turn to look. The two EMTs, working hard, blocked my view. My eyes followed her legs down and I stared at her shoes. Oh, god, my daughter Samantha had those same exact shoes. Black suede sandals.

I forgot where I was, and for a moment, I was at the mall with Sam. She had begged and pleaded for those sandals. "Daddy, they match my outfit perfectly!" They cost too much, but I bought them for her anyway.

Suddenly, I was back on the scene. The hardness in my heart was gone. I felt sick. I wanted to cry. That could be my Sammy lying on the stretcher. They were roughly the same age, they even owned the same sandals. But they weren't. They couldn't be...

"Hey! You okay? Pay attention!" Brian's voice broke the trance.

The monitor that had been beeping with each heart beat stopped and I saw Brian's hands fly to the defibrillator. Several min-

utes passed with no response from the patient.


I looked at her shoes again. The bile I had been holding down forced its way up, so I let it go in a paper sack. "Hey, buddy, you don't look so good!" Brian said. "Sorry," I muttered. All I could think of were those sandals.

As soon as we landed, I phoned my family. It was about 10:30 p.m. by then. On the third ring, Sammy picked up.

I had known all along she wasn't in the sandals, but I still couldn't get them out of my head. I wanted to get in my car and drive home to hold my family, hug them and never let go. Protect them from everything.

When my shift ended, I hopped into the car and nearly flew home. As I pulled into the driveway, I noticed the lights were off. Everyone was asleep. I climbed the front steps and opened the door without a key. No matter how many times I told Sam, she always forgot to lock the door. The house was dark and I nearly tripped over myself to get to her room. Her door was open, but she was asleep. Gently, I planted a kiss on her soft head. She looked so innocent when she slept...

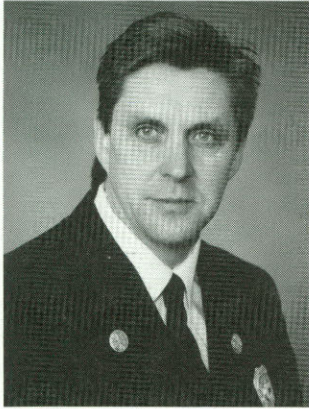
I managed to find my way through heaps of discarded clothes to the closet. I groped for the sandals; straightening, I made my way out of the room. I opened the front door. The garbage can stood at the end of the curb.

With a soft thud, the sandals hit the inside of the can. 



# EMS news

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



*Robin Paulsgrove, former Austin Fire Chief, now heads Arlington Fire Department.*

## **Arlington FD hires new fire chief**

Arlington Fire Department hired Robin Paulsgrove as chief in June. Paulsgrove had been with Austin FD for more than 21 years, and had worked his way from cadet in 1976 to fire chief in 1992. Paulsgrove's leadership helped AFD receive national recognition for being innovative in fire service.

## **Ferno-Washington, Inc., is recognized as a top 100 privately-owned company**

Ferno-Washington, Inc., recently was named as one of the top 100 privately-owned companies in the Dayton/Miami Valley region. The Top 100 Privately-Owned Companies list is researched and produced by Arthur Anderson.

## **Revisions of the paramedic and EMT-I National Standard Curricula continue**

To order the latest draft version of the paramedic or the EMT-Intermediate National Standard Curricula, access the home page at [www.pitt.edu/~paramed](http://www.pitt.edu/~paramed) or call (412) 578-3234. The most recent official paramedic draft version, dated 6/01/97, costs \$64.02 for hardcopy or \$21.43 on five disks. The most recent EMT-Intermediate version, dated 6/01/97, costs \$48.27 for hardcopy and \$16.47 for four disks. All orders must be pre-paid.

## **NENA begins national education campaign**

The National Emergency Number Association (NENA) began a national public education campaign in June about when—and when not—to call 9-1-1. The campaign will feature Dave Thomas, founder of Wendy's International. The mission of the campaign is to reduce non-emergency calls made to 9-1-1 by educating the public about what exactly is an emergency. For more information about NENA, check their web site at [www.nena9-1-1.org](http://www.nena9-1-1.org).

## **FAPEP releases new publication**

The Florida Association of Professional EMTs and Paramedics (FAPEP) has released a new publication. "Florida EMT & Paramedic" is dedicated to sharing the achievements and innovations of Florida's EMS systems. For more information about the publication, contact FAPEP at (904) 942-1839 or email [fapep@tallahassee.net](mailto:fapep@tallahassee.net).

## **AHA and Laerdal announce partnership**

The American Heart Association and Laerdal Medical Corporation announced a partnership that will centralize distribution of Emergency Cardiovascular Care (ECC) training materials. Under this partnership, Laerdal will distribute ECC training materials, such as the ACLS, PALS, BLS, BLS Heartsaver and PBLIS text-



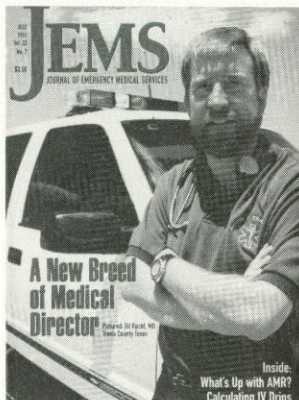
books, and produce a catalog listing the materials that will be sent to training centers and instructors nationwide. The funds raised from the sale of ECC training materials will continue to support the AHA's mission to reduce disability and death from cardiac and respiratory emergencies and stroke by strengthening the chain of survival, beginning with public knowledge.

### Knoll Pharmaceuticals has stroke materials

Knoll Pharmaceuticals has produced "Straight Talk About Strokes," a free set of stroke materials available to EMS providers. To request this information, contact Knoll Pharmaceuticals at (888) 595-7828.

### Austin EMS/Travis County medical director recognized

Ed Racht, MD, EMS medical director of Travis County and Austin EMS, was featured in an article about new trends in EMS medical direction in the July issue of the *Journal of Emergency Medical Services*. Racht and several



other EMS medical directors discussed how they take a more active role in overseeing the quality of provider care in their areas and get involved in all

aspects of the EMS medical system from personnel selection to call response and litigation. Former AEMS spokesperson Sally Muir snapped the cover picture.

### Hepatitis B vaccine available at discount

Government and volunteer emergency health care providers and first responders may obtain hepatitis B vaccine at the special rate of \$24.57 per single dose vial by ordering from Smith Kline Beecham (SKB). The list price per single vial dose is approximately \$54. Our representative is Maureen North; it is not necessary to speak directly with her. Orders must be placed by a physician. SKB may be contacted at (800) 877-1158. The caller should advise SKB they are requesting the state government rate. This offer is not available to private/for-profit providers. This information was obtained from the TDH Immunization Initiative Division. Contact Mark Huckaby at (512) 834-6700 if you need further information, or e-mail him at mhuckaby@ems.tdh.state.tx.us.

### Web addresses of interest

To find a national roster of EMS Quality Improvement coordinators go to <http://www.mhf.net> and click on the EMS QI organization link.

The American Red Cross has information on its web site at <http://www.redcross.org>.

With all of the misleading information about diets around these days, the National Council Against Health Fraud will answer questions at <http://www.ncahf.org>. The American Heart Association also has nutritional information about "heart diets" at <http://www.amhrt.org>.

#### TEXAS EMS CERTIFICATIONS AS OF JULY 28, 1997

ECA	8,021
EMT	26,297
EMT-I	3,959
EMT-P	11,224
TOTAL	49,501
COORDINATOR	413
INSTRUCTOR	1,924
EXAMINER	2,274



# Texas EMS Conference '97

The 12th Annual  
Texas EMS Conference

November 23-26, 1997      Austin Convention Center  
Austin, Texas

## 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 \_\_\_\_\_

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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

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

### PRECONFERENCE CLASSES

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> \$190 Basic Trauma Life Support       | <input type="checkbox"/> \$50 Advanced High Angle Rescue   | <input type="checkbox"/> \$ 40 Klown Kollege                       |
| <input type="checkbox"/> \$35 EMS Managing Hazardous Materials | <input type="checkbox"/> \$50 Basic Vehicle Extrication  | <input type="checkbox"/> \$20 Peer Educational Site Review (No CE) |
| <input type="checkbox"/> \$50 Basic Cave Rescue                | <input type="checkbox"/> \$20 Moulage  | <input type="checkbox"/> \$ 10 Emergency Plans Development (No CE) |
| <input type="checkbox"/> \$50 Basic High Angle Rescue          | <input type="checkbox"/> \$35 Cadaver Lab (number time preferences 1,2,3)<br>__8:30 __11:00 __2:30 |  |

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

**Check or money order must accompany \$80 registration fee (\$100 at the door). Registration by fax will be accepted only if you are using a credit card. No refund after 11/1/97—There is a 9% administration fee if a refund is necessary.**

**Conference registration fee ..... \$80**

**Mailed registrations will not be accepted after 11/1/97**

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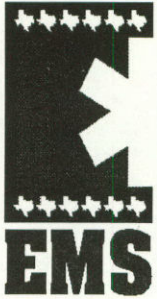
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Texas EMS  
Conference '97  
Austin, Texas

The 12th Annual  
Texas EMS Conference

November 23-26, 1997  
Austin Convention Center  
Austin, Texas

Map of downtown  
Austin and hotels  
Page 49

- Choose from more than 110 excellent continuing education workshops over three days
- More than 80 EMS leaders in Texas teach you the latest advances in patient care, plus the basics
- A whole new series of preconference classes from vehicle rescue to a cadaver lab
- Our traditional EMS party moves to Austin's Sixth Street on Tuesday night
- 80,000 square feet of exhibit space with state-of-the-art information and products
- Your chance to network with 2,000 of your EMS friends

**Hotels**

- Hyatt, (Host hotel) \$70/  
\$95 (512) 477-1234
- Radisson \$55/\$85  
(512) 478-9611
- Four Seasons \$95/\$105  
(512) 478-4500
- Omni Hotel \$55/\$75  
(512) 476-3700
- Sheraton \$55/\$85  
(512) 480-8181
- Embassy Suites \$95/\$99  
(512) 469-9000
- Holiday Inn-Airport \$55  
(512) 459-4251

For the latest conference info, visit our web site at <http://www.tdh.state.tx.us/hcqs/ems/conf97.htm>.

T E X A S E M S C O N F E R E N C E ' 9 7 — 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.)*

*(Note: Two representatives per exhibit space are included in registration fee. Additional representatives are welcome and will be charged \$50 for exhibit hall only. Please include this amount in your check total. If you have more names, staple a printed or typed list to the back of this form.)*

Last Name	First Name	Title/Certification
1. _____	_____	_____
2. _____	_____	_____

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

- (1) 10X10 booth ..... \$500 \$600 after 10/1/97
- (2) 10X10 booths ..... \$950
- (1) 20X20 vehicle booth ..... \$550 \$650 after 10/1/97
- (2) 20X20 vehicle booths . \$1,000

No refund after 11/1/97

	Number booths or extra registrations	Amount enclosed
Regular Booths 10X10		\$
Vehicle Booths 20X20		\$
Additional Registrations (\$50 each)		\$
<b>Totals</b>		\$

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

Official Use Only	Date Rec'd.	Check No.	Method of Pmt.	Amt. Rec'd.





# Texas EMS Conference '97

The 12th Annual  
Texas EMS Conference

Mail-in  
Registration

(before 11/1/97)

..... \$80

On-site  
Registration

..... \$100

November 23-26, 1997      Austin Convention Center  
Austin, Texas

## Sunday, November 23, 1997

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

## Monday, November 24, 1997

7:00 am - 6:00 pm      Registration in the Convention Center  
8:15 am - 9:30 am      Opening Session - Dr. Red Duke  
9:45 am - 10:45 am      Workshop Breakouts  
10:00 am - 6:00 pm      **Exhibit Hall Open**  
11:00 am - 12 noon      Workshop Breakouts  
12 noon - 2:00 pm      Lunch in Exhibit Hall  
2:00 pm - 3:00 pm      Workshop Breakouts  
3:15 pm - 4:15 pm      Workshop Breakouts  
4:30 pm - 5:30 pm      Workshop Breakouts

## Tuesday, November 25, 1997

7:00 a.m - 5:00 pm      Registration in the Convention Center  
7:30 am - 8:30 am      Early Bird Workshop Breakouts  
8:45 am - 9:45 am      General Session with Scott Bolleter, EMT-P  
10:00 am - 11:15 am      **Exhibit Hall Open**  
*(closed during Awards Luncheon)*  
10:00 am - 11:00 am      Workshop Breakouts  
11:15 am - 1:00 pm      Awards Luncheon  
**Exhibit Hall Open** *(immediately after Awards Luncheon)*  
1:00 pm - 5:00 pm      **Exhibit Hall Open**  
2:00 pm - 3:00 pm      Workshop Breakouts  
3:15 pm - 4:15 pm      Workshop Breakouts  
4:30 pm - 5:30 pm      Workshop Breakouts  
5:00 pm      **Exhibit Hall Closes**

## Wednesday, November 26, 1997

8:30 am - 9:30 am      Workshop Breakouts  
9:45 am - 10:45 am      Workshop Breakouts  
11:00 am - 12 noon      Workshop Breakouts  
**Conference Adjourns**

### Note on workshops:

1) The workshops during the conference are filled on a first-come, first-served basis. If a class is filled when you arrive, you may be turned away. Have a second choice in mind.

2) No one will be admitted late. If you arrive 10 minutes after class has started, you will be turned away.



# Preconference classes

November 22-23, 1997

Preconference classes are held at the Austin Convention Center or the Hyatt Hotel, or meet at the Hyatt Hotel.

Saturday/Sunday classes  
8 am - 5 pm

## Basic Trauma Life Support (BTLS)

16-hour class, \$190, Hyatt

**CE category: Trauma**

This popular class teaches the key components in managing a traumatic patient. The class, which is appropriate for both basic and advanced providers, awards 16 hours of CE and is limited to 30 students. Presented in conjunction with Scott and White EMS Education and Austin Community College. For information on class content, call Diane Simpson at (817) 770-0029 or e-mail Jeff Jarvis at [jjjarvis@bellnet.tamu.edu](mailto:jjjarvis@bellnet.tamu.edu)

## EMS Managing Hazardous Materials

16-hour class, \$35, Hyatt

**CE category: Medical**

Come 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. For information on class content, call Louis Berry at (512) 834-6700.

## 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 and Rainbo in this class, which awards 12 hours of CE. Strictly limited to 15 students. For information, call Dean Baswell at (817) 322-1506.

Saturday classes  
8 am - 5 pm

## Basic High Angle Rescue

8-hour class, \$50\*

Austin Fire Tower (*Meet at Hyatt*)

**CE category: Additional**

Learn the basics in this popular ropes course at the training tower of the Austin

Fire Department. This class fills up fast, so hurry if you're interested. This class awards eight hours of CE and includes all necessary equipment. Strictly limited to 25 students. Lunch and transportation included; meet at the Hyatt parking lot at 7:30 a.m. For more information on class content, call Rod Dennison at (817) 778-6744 or e-mail him at [rdennison@r07.tdh.state.tx.us](mailto:rdennison@r07.tdh.state.tx.us) or call AFD's John Green at (512) 448-8370 or e-mail him at [tazcaver@aol.com](mailto:tazcaver@aol.com)

## Basic Cave Rescue

8-hour class, \$50\*,

Whirlpool Cave (*Meet at Hyatt*)

**CE category: Additional**

Learn basic cave rescue at Whirlpool Cave, a popular cave in South Austin. The class awards 8 hours of CE and includes most necessary equipment. Students need to provide knee pads. Strictly limited to 25 students. Lunch and transportation included; meet at the Hyatt parking lot at 7:30 a.m. For more information on class content, call Rod Dennison at (817) 778-6744 or e-mail him at [rdennison@r07.tdh.state.tx.us](mailto:rdennison@r07.tdh.state.tx.us) or call AFD's John Green at (512) 448-8370 or e-mail him at [tazcaver@aol.com](mailto:tazcaver@aol.com)

Sunday classes

## Advanced High Angle Rescue

8-hour class, 8 am - 5 pm, \$50\*

Austin Cliffs (*Meet at Hyatt*)

**CE category: Additional**

If you've had basic high angle, you can take your skills one step further in this advanced course taught by the instructors who teach the basic course. This class offers eight hours of CE and includes all the necessary equipment. Strictly limited to 25 students. Lunch and transportation included; meet at the Hyatt parking lot at 7:30 a.m. For more information on class content, call Rod Dennison at (817) 778-6744 or e-mail him at [rdennison@r07.tdh.state.tx.us](mailto:rdennison@r07.tdh.state.tx.us) or call AFD's John Green at (512) 448-8370 or e-mail him at [tazcaver@aol.com](mailto:tazcaver@aol.com)

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

## Preconference workshop details

1. Participants MUST preregister for preconference classes. The cut-off date for sending your application AND money is October 15, 1997. 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 a 9 percent administrative fee unless class is cancelled due to underenrollment. No refunds will be given after November 1, 1997.

3. All classes will be at the Hyatt or meet at the Hyatt in downtown Austin. The Hyatt has special hotel rates beginning Friday night.

4. Any class that doesn't meet a minimum number will be canceled on October 20, 1997, and full refunds will be issued to those who signed up.

**\* 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/conf97.htm>.



## Preconference classes (continued)

\* **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/conf97.htm>

### Other groups' preconference activities

**Valsalsa Competition**  
Call TAEMT at (409) 345-6352

**Texas Association of Air Medical Services,** Sunday at the Hyatt. Contact Jane Wynn or Karen Casper at (214) 956-0707.

**EMS Educator's Association of Texas,** Sunday at the Hyatt. Contact Jeff Jarvis at (817) 770-0029.

**DWI Programs meeting,** Saturday and Sunday at the Hyatt. Contact Thelma Lemley at (713) 331-8842.

**Injury Scaling Uses and Techniques,** Association for the Advancement of Automobile Medicine, Saturday and Sunday at the Omni. Contact Maureen Malinowski at (847) 390-8930.

### Sunday classes

#### Basic Vehicle Extrication

8 am - 5 pm, 8-hour class, \$50\*  
Shaw Lane Training Facility  
(Meet at Hyatt)

#### CE category: Additional

Learn the basics of vehicle extrication in this hands-on class worth eight hours of CE. You'll learn: how to assess the situation, tool technique and application, and patient packaging. Necessary equipment provided except for turn-outs (structural or non-structural), a helmet and leather gloves; all are required for class participation. Strictly limited to 25 students. Lunch and transportation included; meet at the Hyatt parking lot at 7:30 a.m. For more information on class content, call Rod Dennison at (817) 778-6744 or e-mail him at [rdennison@r07.tdh.state.tx.us](mailto:rdennison@r07.tdh.state.tx.us) or call AFD's John Green at (512) 448-8370 or e-mail him at [tazcaver@aol.com](mailto:tazcaver@aol.com)

#### Moulage

4-hour class, 12 pm - 4 pm, \$20, Hyatt  
CE category: Additional

Learn the basic concepts of disaster make-up using simple, easily-purchased materials. Techniques covered include bruising, lacerations, impaled objects, open fractures, burns and penetrating injuries. This class awards four hours of CE. For more information on class content, call Lee Sweeten at (210) 278-7173, or e-mail him at [lsweeten@r08uv.tdh.state.tx.us](mailto:lsweeten@r08uv.tdh.state.tx.us)

#### Cadaver Lab (On the registration form, number time preferences 1,2,3)

8:30 am - 10:30 am

11:00 am - 1:00 pm

2:30 pm - 4:30 pm

2-hour class, \$35

Austin Convention Center

CE category: Preparatory

This two-hour class, co-sponsored by Scott & White Hospital EMS Education, 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 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 (817) 770-0029 or Jeff Jarvis by e-mail at [jjjarvis@bellnet.tamu.edu](mailto:jjjarvis@bellnet.tamu.edu)

#### Educational Site Review (No CE)

8-hour class, 8 am - 5 pm, \$20, Hyatt

This class is designed to prepare you to be a peer program reviewer in the educational site visit process. The class is limited to 50 people and DOES NOT award CE. To be selected as a peer reviewer, you must be a medical director or a paramedic with certification as an EMS instructor, and you must be associated with a program that has undergone a site visit. However, anyone may come to the class. To be considered as a peer reviewer, you must supply a resume or CV at 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 e-mail Neil at [alhnbc@ttuhsc.edu](mailto:alhnbc@ttuhsc.edu)

#### Emergency Plans Development (No CE)

2 pm - 6 pm

4-hour class, \$10, Hyatt

This course will lay the groundwork for developing plans. It does NOT award CE. For information, call Sam Wilson at (512) 834-6700 or e-mail him at [swilson@ems.tdh.state.tx.us](mailto:swilson@ems.tdh.state.tx.us)

### Other activities

Activities at no charge:

**Ride out with Austin EMS** Want a chance to ride out with an urban service that answers about 60,000 calls a year? Austin EMS is offering ride-outs

at no charge during the conference. Different times available. Sign up at the conference registration booth beginning Sunday on a first-come, first-served basis. Bring dark pants and shoes and a white, collared shirt. Call

James Shamard at (512) 448-8380 for information.

**Tour Brackenridge's Level II Trauma Center** See what a Level II Trauma Center has to offer in this tour of Brackenridge's facility. Different times

available; no charge for the tour. Sign up at the conference registration booth beginning Sunday on a first-come, first-served basis. Call Mike Berg at (512) 473-9591 or e-mail him at [mberg@onr.com](mailto:mberg@onr.com) for information.



**Monday**

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)
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**8:15 am - 9:30 am Dr. Red Duke General Session Exhibit Hall 1**

9:45 am - 10:45 am	Racht, MD Respiratory Assessment <i>(Medical)</i>	Daney, MD Shock: Prehospital Considerations <i>(Preparatory)</i>	Moore, MD Human Anatomy: An Overview <i>(Preparatory)</i>	Educators Track Rodriguez Fried Green Paramedics: What Employ- ers look for from Graduates <i>(Additional)</i>	CISM Track Barentine CISM Disaster Responses: Lessons learned from OKC & Arkadelphia <i>(Preparatory)</i>	Coker Expanded Roles for EMTs: Oral/ Sublingual Medications <i>(Medical)</i>	Yates Prehospital Mgmt of Head, Spinal, Face Trauma <i>(Trauma)</i> ↓	Nursing Track McCarley & Eichhorn EMS Response to Domestic Violence <i>(Special Pts)</i>	Bolleter Just Another Day in Paradise: A View of Helicopter EMS <i>(Additional)</i>	Shook, MD Recognizing the Signs of Child Abuse <i>(Special Pts)</i>
11:00 am - 12:00 am	Reger Look Again: Scene Assess- ment <i>(Preparatory)</i>	Harbert, III More Lizards, Gomers & Grandpar- ents: Prehosp Mgmt of the Geriatric Pt <i>(Special Pts)</i>	Ayers, Jr., JD Current Developments in Claims Against and EMS Providers <i>(Additional)</i>	Barnes Using the Internet to Teach <i>(Additional)</i>	Pickard Aftermath of CISM: Does it Work? <i>(Additional)</i>	Black Expanded Roles for EMTs: Nebulizers & Epi-Pens <i>(Medical)</i>	(con't) Yates Part II of above <i>(Trauma)</i>	Klein Mechanism of Injury <i>(Trauma)</i>	Frey Spaces of Death: Why Rescuers Die in Confined Spaces <i>(Additional)</i>	DeLorenzo, MD Toxicology Soup <i>(Medical)</i>
2:00 pm - 3:00 pm	Moore, MD Endocrine & Metabolic Emergencies <i>(Medical)</i>	Liles PMS in EMS <i>(Additional)</i>	Ayers, Jr., JD, Clinchy, PhD & Gandy, JD Mock Trial <i>(Additional)</i> ↓	Ferguson Tying Objec- tives to Evaluation Methods for Clinical & Field Intern- ships <i>(Additional)</i>	Giles, PhD Recognizing More Serious Symptoma- tology <i>(Special Pts)</i>	Burgardt, MD Those "At Home Tests & Treatments" & the EMS Response <i>(Medical)</i>	Dalley, PhD Upper & Lower Extremity Anatomy <i>(Preparatory)</i>	Key We Go Together <i>(Additional)</i>	Pearse Acid-Base Balance for Dummies <i>(Preparatory)</i>	Griswell, MD Diet, Lifestyle, Health & Disease <i>(Preparatory)</i> ↓
3:15 pm - 4:15 pm	Phillips Assessment & Management of Seizures <i>(Medical)</i>	Perkins Laboratory Data Analysis for the Prehospital Provider <i>(Medical)</i>	(con't) Ayers, Jr., JD, Clinchy, PhD & Gandy, JD Mock Trial <i>(Additional)</i>	Voskamp Creating a College-Based Paramedic Program <i>(Additional)</i>	Denney On Scene Support & Services in CISM: Applica- tions at the Wyman-Gordon Explosion <i>(Additional)</i>	Hagedorn, MD Environmental Exposure & Extended EMS Operations <i>(Medical)</i>	Hinson Trends in Closed Head Injury Mgmt <i>(Trauma)</i>	Adams Cardiac Dysrhythmias in Trauma <i>(Trauma)</i>	Anderson What You Should Know About Thrombolytic Agents <i>(Cardiovascular)</i>	(con't) Griswell, MD Part II of above <i>(Preparatory)</i>
4:30 pm - 5:30 pm	DeLorenzo, MD Neurologic Assessment 101 <i>(Medical)</i>	Genzel, MD Advanced Concepts for the Veteran Paramedic <i>(Preparatory)</i>	Remmich Potential Organ and Tissue Donors <i>(Additional)</i>	Bolleter More Than Words <i>(Additional)</i>	Yates Introduction to CISM <i>(Additional)</i>	Villers Toxicology: Principles & Case Studies <i>(Medical)</i>	Mikolaj The Easy Way to Solve IV Drips <i>(Preparatory)</i>	Taylor Prehospital 12 Lead ECGs: Are They Really Worth It? <i>(Cardiovascular)</i>		Meza & Lawrence Airborne Diseases: Can You Really Take Them Home? <i>(Medical)</i>





**Tuesday**

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 am - 8:30 am	Purdue, MD Early Care of the Burn Patient <i>(Trauma)</i>	DeLorenzo, MD The Vital Signs: Vitaly Important <i>(Preparatory)</i>	Stevenson Assessment & Management of the Asthma Patient <i>(Medical)</i>	<b>Educators Track</b> Hatch, Jr. & Nollette Interactive Strategies for Rural & Urban Educators <i>(Additional)</i>	Clinchy Expanding Role of EMS in Primary Health Care <i>(Additional)</i>	Phillips Assessment & Treatment of Obstructive Pulmonary Disease <i>(Medical)</i>	Villers Pearls & Pitfalls in Cardiac Arrest Mgmt <i>(Cardiovascular)</i>	Gandy The Best Lawyer Repellant: Documenting Informed Refusal <i>(Additional)</i>	<b>D-MAT Track</b> Simmons & Kinchen Shock Mgmt: Back to the Basics <i>(Preparatory)</i>	Meza & Lawrence Tuberculosis: the Return of a Killer Disease <i>(Medical)</i>
8:45 am - 9:45 am <b>Scott Bolleter - The Energy that makes a Difference (trauma) General Session in the Exhibit Hall 1</b>										
10:00 am - 11:00 am	Warren Conflict Resolution <i>(Special Pts)</i>	Genzel, MD Pre-Cardiac Arrest Care <i>(Cardiovascular)</i>	Mailman, MD Dive Injuries <i>(Medical)</i>	Cason Q A of Para- medic Educa- tional Programs: National Accreditation <i>(Additional)</i>	<b>CISM Track</b> Donaldson How Does A Storybook Ending Result in Suicide? <i>(Special Pts)</i>	White Autonomic Nervous System & Emergency Medicine <i>(Preparatory)</i>	Meyer A Good Death & How to Get One <i>(Preparatory)</i>	Coll The Role Immunizations Play in Infec- tious Disease Prevention & Mgmt <i>(Medical)</i>	Coffman, MD Crush Injury Syndrome <i>(Trauma)</i>	Gandy Recognizing Blood Pressure Medications <i>(Cardiovascular)</i>
2:00 pm - 3:00 pm	Shook, MD Pediatric Medical Emergencies <i>(Special Pts)</i>	Genzel, MD Post Cardiac Arrest Care <i>(Cardiovascular)</i>	Phillips Assessment & Treatment of Pulmonary Edema <i>(Medical)</i>	Coker Implications of Myers-Briggs Personality Types on Education <i>(Additional)</i>	Hinson Advanced Airway Mgmt & Rapid Sequence Intubation <i>(Preparatory)</i>	Daney, MD CNS Emergen- cies <i>(Medical)</i>	Stadthagen Neonatal Resuscita- tion in the Prehospital Environment <i>(Special Pts)</i>	Strout How EMS Impacts the ER <i>(Additional)</i>	Virgil Burns and Wound Care <i>(Trauma)</i>	Bolleter & Reger Geri's Kids <i>(Special Pts)</i>
3:15 pm - 4:15 pm	Simonson, MD Shock: Does it Really Exist? <i>(Preparatory)</i>	Baskerville, MD The Difficult & Violent Person <i>(Special Pts)</i>	Peacock, MD Mechanism of Injury <i>(Trauma)</i>	<b>D-MAT Track</b> Allen, PhD Is the Scene Safe: A new Twist <i>(Preparatory)</i>	Dodson Think Child Safety: A Community Approach to Injury Preven- tion <i>(Special Pts)</i>	Salter Environmental Emergencies <i>(Medical)</i>	Majorowski Patient/Scene Assessment <i>(Preparatory)</i>	Schertz Rodeo EMS Coverage <i>(Trauma)</i>	Weidler Aircraft Emergencies <i>(Trauma)</i>	Gandy Geriatrics will B us: Recogniz- ing the Changes <i>(Special Pts)</i>
4:30 pm - 5:30 pm	Coffman, MD The Sterile Bullet: Myth or Mantra- A Discussion of Ballistics <i>(Trauma)</i>	Wuertz Post HIV Exposure Chemoprophylaxis <i>(Medical)</i>	Dalley, PhD Anatomy of the Abdomen <i>(Preparatory)</i>	Honea Multiple Victim Evacuation by Air <i>(Preparatory)</i>	Stradthagen Practical 12 Lead ECG <i>(Cardiovascular)</i>	Sneed Jarrell Tornado Response <i>(Additional)</i>	Neff Field Mgmt of the Mechanically Ventilated Pt <i>(Medical)</i>	Burns The "Ups" in Dealing with Down Syndrome <i>(Special Pts)</i>	Rubin, PhD Medical Management of Chemical Contamination <i>(Medical)</i>	Burgardt, MD Women EMS Pts: What do They Need? Why do they Call? <i>(Special Pts)</i>



Scheduled speakers for Texas EMS Conference '97

Linda Adams, RN, CCRN, CEN, EMT-P  
 Kathryn R. Allen, PhD, EMT  
 Patsy L. Anderson, MSN, RN  
 R. Jack Ayers, Jr., JD, EMT-P  
 Edie Barentine, MS, LSW  
 J. Nile Barnes, BS, NREMT-P  
 Jerry Ray Baskerville, MD, FACEP  
 Chris Bennett, BS, EMT-P  
 Michael D. Berg, NREMT-P  
 Chris Black, BBA, EMT-P  
 D. Scott Bolleter, EMT-P  
 Ann J. Burgardt, MD  
 Deborah R. Burns, BS, EMT-P  
 Debra Cason, RN, BSN, MS, EMT-P  
 Richard A. Clinchy, III, PhD, EMT-P  
 Stewart R. Coffman, MD  
 Neil Coker, BS, EMT-P

William E. Coll, MPA, EMT-P  
 Bernell Dalley, PhD  
 William C. Daney, MD, FACEP  
 Rick Deel, EMT-P  
 Robert A. DeLorenzo, MD, FACEP, Major  
 Leonard E. Denney, MSW, LMSW-ACP  
 Stewart Dodson, EMT-P, RRT  
 Vaughn Donaldson, EMT-P  
 Dezra J. Eichhorn, RN, MS  
 Carol Ferguson, RN, MS, EMT-P  
 John P. Frey, BS, NREMT-P  
 William E. (Gene) Gandy, JD, EMT-P  
 Robert B. Genzel, MD, EMT-P  
 Charles "Chuck" L. Giles, PhD  
 John K. Griswell, MD, FACEP  
 Fred Hagedorn, MD, FACEP  
 Dave Hanson, RN, BSN, CCRN, EMT  
 Jodie Harbert III, EMT-P

George W. Hatch, Jr. MEd, EMT-P  
 Mark E. Hinson, MA, ADN, NREMT  
 James T. Honea, EMT-P  
 Allen Johnson, MPA, EMT-P  
 Douglas D. Key, MBA, NREMT-P  
 Michael W. Kinchen, EMT-I  
 Jorie Klein, RN, DON  
 Carol S. Lawrence, RN, BSN  
 Bonnie Liles, RN, EMT-P  
 Jane C. Mahlow, DVM, MS  
 Gary M. Mailman, MD, FACEP  
 James L. Majorowski, EMT-P  
 Clifann McCarley, RN, BSN, CEN  
 Chuck Meyer, MDiv, MSED  
 Blas Meza, RN, CEN, EMT-P  
 Alan Mikolaj, NREMT-P  
 William L. Moore, MD, FACEP  
 Josh Neff, BA, NREMT-P

Christopher F. Nolette, MEd, NREMT-P  
 Elizabeth Peacock, MD  
 David R. Pearse, MS, NREMT-P  
 Charles B. Perkins, MSN, RN, CS  
 David E. Phillips, BS, EMT-P  
 Karen Pickard, RN, BSN, EMT-P  
 Gary F. Purdue, MD  
 Edward M. Racht, MD  
 Stephen J. Rahm, EMT-P  
 Mark M. Reger, MS, EMT-P  
 Scott Remmich  
 John W. Rinard, Jr., BBA, EMT-P  
 Ernesto M. Rodriguez, EMT-P  
 Jeff Rubin, PhD, NREMT  
 Shawn J. Salter, NREMT-P  
 Michael Alan Schertz, NREMT-P  
 Joan E. Shook, MD  
 Susan Simmons, EMT-P

Robert B. Simonson, DO, FACEP  
 John Sneed, EMT-P  
 Alex Stadthagen, NREMT-P  
 Douglas R. Stevenson, BA, EMT-P  
 Ed Strout, RN, EMT-P  
 Ronnie Taylor, EMT-P  
 Barbara L. Venable, RN, EMT-I  
 Lance Villers, BS, NREMT-P  
 Jan Virgil, RN, EMT-P  
 Carl Voskamp, MBA, EMT-P  
 Gary Waites, BA, EMT-P  
 Capt. J. Mark Warren, BA  
 Warren Weidler  
 Shawn White, BS, EMT-P  
 W. David Wilkerson, BS, EMT-P  
 David R. Wuertz, MS, EMT-P  
 Karen L. Yates, RN, EMT-P



**Wednesday**

Room/ Capacity	Ballroom A (1,444)	Ballroom B (304)	Ballroom C (360)	Room 6 (322)
8:30 am - 9:30 am	Bennett Infectious Diseases in the Ambu- lance & Their Control <i>(Medical)</i>	Salter Technology vs. the Medic: Monitoring Devices vs. Care <i>(Preparatory)</i>	Hanson Prehospital Assessment & Mgmt of the Cardiac Patient <i>(Cardiovascular)</i>	Venable Do You Dare to Care? <i>(Additional)</i>
9:45 am - 10:45 am	Berg Pharmacology for the New EMT Curricu- lum <i>(Preparatory)</i>	Majorowski Tactical Medicine <i>(Additional)</i>	Mahlow, DVM & Rinard Man's Best Friend: Dog Bite Treatment & Prevention <i>(Trauma)</i>	Johnson The Emerging Role of EMS in Thrombolytic Care <i>(Cardiovascular)</i>
11:00 am - 12:00 pm	Rahm Defibrillation... The Vital Link <i>(Cardiovascular)</i>	Deel Texas State Search and Rescue System & Texas Task Force 1 <i>(Additional)</i>	Wilkerson EMS & the Elderly Patient: An Overview <i>(Special Pts)</i>	Waites Personal & Scene Safety <i>(Preparatory)</i>

The Trauma Nursing Track is sponsored by the Texas Trauma Coordinators Forum. Speakers, classes and times subject to change.

**Photo Contest Rules**

- Anyone is eligible; no entry fee is required.
- Entries must be received **no later than November 1, 1997**. Winners will be announced at the Texas EMS Conference, November 23-26, 1997.
- Unmatted prints **8x10 inches** or **5x7 inches** may be submitted in color or black and white. Fill out the entry 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.
- The Texas Department of Health will keep all photo entries and will have the right to publish entries in TDH publications. Photographer's name will be printed along with the photo.

**1997 Texas EMS Photography Contest entry form**

Photographer's Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Phone (home) \_\_\_\_\_ (work) \_\_\_\_\_

**Mail to:** EMS Photos, Texas Department of Health  
 1100 W. 49th Street, Austin, TX 78756-3199.  
 Tape this form to the back of the photo.  
 For information call Sharon Browder or Jaime Wise at (512) 834-6700.

**Deadline for entering: November 1, 1997**

- Ownership of the negative will remain with the photographer.
- One grand prize winner will be chosen and will receive \$100 and a plaque. Two first place winners will be chosen—a color photo category and also a black and white photo category. Each will receive \$75 and a plaque. One second place winner will receive \$50 and a ribbon; one third place will receive \$25 and a ribbon. One honorable mention winner will receive \$15 and a ribbon. Judges will select winning photographs based on artistic composition, originality, visual appeal, and good patient care.



## 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.

## Graham practices emergency driving techniques

Graham/Young County EMS personnel recently attended an Emergency Vehicle Operation Course (EVOC) held by the Graham Police Department. GYCEMS is operated by Graham General Hospital and responds to more than 2,000 calls per year.

## Hermann Hospital begins defibrillation public education campaign

Hermann Hospital in Houston is looking to expand its first responder network in the community by starting a public education campaign about defibrillation and AEDs. The intent of this campaign is to teach the lay person use of AEDs to complement early CPR and 9-1-1 access. The target audience includes police, firefighters, lifeguards, flight attendants and family members of high-risk patients, and people in the workplace and in large public gathering places.

*Members of Graham/Young County EMS put their driving skills and their ambulance to the test in a recent EVOC course.*



## Austin neighborhood residents receive free smoke detectors

Residents of the Blackshear neighborhood in Austin received free smoke detectors and batteries and had new detectors installed during Smoke Detector Installation Day in April. A community safety fair was also held. Austin Fire Department, Austin EMS and Travis County sheriff's office set up safety displays at the fair.

## Dallas firefighter recognized for community contributions

Dallas Fire Department firefighter Jesse Bean was recognized in the *Dallas Morning News* for receiving a Dallas Fire Department Community Service Award in May. For more than a decade, Bean has dressed up as a clown, Batman, Santa Claus or a baseball player and visited hospitals and nursing homes.

## ETMC Air 1 receives re-accreditation

East Texas Medical Center Air 1 earned re-accreditation as a critical care air ambulance service from the Commission on Accreditation of Medical Transport Systems (CAMTS). In addition, Lance Gutierrez, RN, ETMC Air 1 program director, was selected to serve as a CAMTS site surveyor. ETMC Air 1 operates helicopters in Tyler, Mount Vernon and Crockett.



# LOCAL AND REGIONAL EMS NEWS

## Grand Prairie High School holds EMT course

In May, Grand Prairie High School, near Dallas, completed its second EMT class offered to the high school seniors. Twelve weeks long, the class is held during the school day at no cost to the students. Off-duty firefighters act as instructors and examiners for the class. Grand Prairie FD and the school district plan to continue the program as a regular course at both Grand Prairie High School and South Grand Prairie High School.

## Thorndale EMS takes delivery of donated ambulance

Williamson County EMS donated an ambulance to Thorndale EMS in May. The new ambulance increases the Thorndale EMS fleet to two ambulances.

## TAMU first responders receive awards

Texas A&M University Recreational Sports Center Medic Division in College Station recently honored personnel at an awards banquet. The Medic of the Year award was given to Scott Anderson, EMT, and the Rookie of the Year award went to Will Chen, EMT. The TAMU Recreational Sports Center Medic Division is a BLS unit that provides first response medical support to several buildings at TAMU and to intramural and sports club activities.

*These students from Grand Prairie High School recently graduated from an EMT class. The school district plans to continue the EMT course at two area high schools in Grand Prairie, near Dallas.*



## Rosebud opens EMS building

Falls County Rural Fire District #3 in Rosebud held an open house at the new EMS building in June. The new building will house Rosebud VEMS.

## San Antonio AirLife expands fleet, transports 7,500th patient

San Antonio AirLife transported its 7,500th patient in May with a patient transferred from Tri-City Hospital in Jourdan to Baptist Medical Center in San Antonio. San Antonio AirLife also expanded its fleet with the addition of a third helicopter. The service provides air medical transport to patients within 150 miles of San Antonio and is

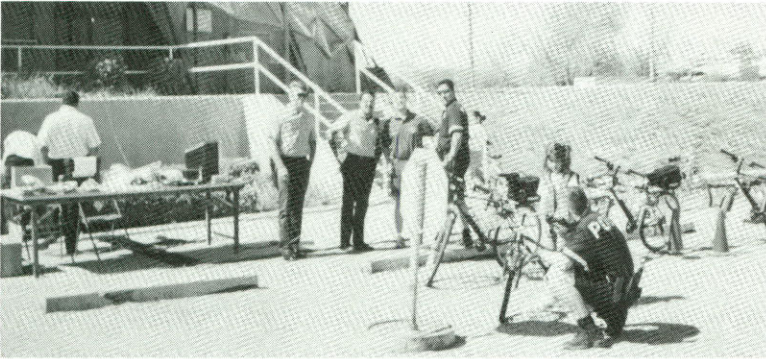
supported by the Baptist Health System and the University Health System.

## Panhandle services observe EMS Week

Amarillo Medical Services, Panhandle EMS System, Northwest Texas Hospital Emergency Department and Trauma Services, and the Panhandle RAC recognized emergency health care providers by providing cake, cookies and pies during EMS Week, and the Amarillo mayor and city commissioners signed an EMS Week proclamation. The services also did live radio spots, released PSAs and press releases to local media, and gave demonstrations at area schools and scout troop meetings.



# LOCAL AND REGIONAL EMS NEWS



A Borger police officer speaks with a child about bicycle safety during a bicycle safety program. Rural/Metro Ambulance-Borger, Borger Fire Department and Borger Police Department sponsored a bicycle safety program for children in Hutchinson County.

## Valley area providers picnic during Texas EMS Week

In May, several providers and the TDH PHR 11 staff got together for a family picnic at Harlon Block Park in Weslaco. Providers participating in the event were Los Fresnos EMS, Port Isabel EMS, Harlingen EMS, Willacy County EMS, Weslaco EMS, Advanced Cardiac & Trauma EMS, TransMed Transfer Services, Starr County EMS, Pharr Fire Rescue Team, A.C.T. EMS, Edinburg EMS and Ameristat

South Central. Attendees were given certificates of appreciation and certificates of honor. A Star of Life wreath was donated to the providers. Entertainment included a pinata, a dunking booth, Kiko the Clown of Weslaco FD, a softball tournament, a puppet show and, of course, lots of food.

## Williamson County EMS recognized by local paper during Texas EMS Week

Williamson County EMS was recognized in the *Taylor Daily*



Community EMS in Hondo took delivery of a new ambulance from Reliable Emergency Vehicles.

Press in May for their service to the community. The article detailed the training that personnel must complete to work for the service. WCEMS personnel also took Ready Teddy and Andy the Ambulance to educate area elementary students about EMS and how to call 9-1-1.

## Austin FD, Austin EMS participate in extrication demonstration

Austin Fire Department and Austin EMS demonstrated an extrication for conference participants as part of the Brackenridge Hospital Regional Trauma Conference in May. Jeff Rubin of AEMS and Jim Boynton of AFD were event coordinators.

## Coahoma Fire & EMS celebrates Texas EMS Week

In May, Coahoma Fire & EMS let elementary students tour its ambulance, allowing them to try on oxygen masks and cervical collars, listen to their heartbeat and ride on the stretcher. CFEMS also discussed airbag safety with the children. For the public, CFEMS held free blood pressure checks and glucose screenings.

## Community EMS receives new ambulance

Community EMS in Hondo recently took delivery of a new



# LOCAL AND REGIONAL EMS NEWS



*Austin FD and Austin EMS personnel work to free crash victims during an extrication demonstration in May. The demonstration, held in a downtown Austin park, was part of the Brackenridge Hospital Regional Trauma Conference.*

ambulance. The new Marque ambulance was delivered from Reliable Emergency Vehicles, Inc., in Comanche.

## **Mexia Fire/EMS uses media to educate during Texas EMS Week**

Mexia Fire/EMS celebrated Texas EMS Week by submitting press releases and news articles to local papers. They also placed radio spots on local radio stations.

## **ETMC teaches area blind students about EMS**

East Texas Medical Center recently educated two blind individuals from Tyler about EMS by allowing them to "tour" the ambulance with their hands. Candi Smith and Ina Arteaga, participants in the Working in Tyler This Summer

(WITTS) program, learned about stethoscopes, blood pressure cuffs and other equipment found on a MICU-capable ambulance. The WITTS program, sponsored by the Texas Commission for the Blind, placed the two in PHR 4/5's Community Health program, where they answered phones and assisted with paperwork.

## **Rural/Metro - Borger sponsors bike safety program**

Rural/Metro Ambulance-Borger, along with the Borger Fire Department and Borger Police Department, sponsored a bicycle safety program for the children of Hutchinson County in May. The program involved

*Hardeman County Judge Ken McNabb and EMS Director Luann Elmore stand beside the county's new ambulance, delivered in March.*





## LOCAL AND REGIONAL EMS NEWS



*Kelly Overton of Coahoma Fire & EMS demonstrates for some elementary students how a cervical collar is placed on a child while Patty Ditto explains the use of oxygen masks during an EMS Week visit to the school.*

inspection, maintenance and identification marking of the bicycles, safety rules while on roads and an obstacle course. Approximately 300 children participated in the program; two new bicycles and 70 bike helmets were given away. Ready Teddy and Andy the Ambulance were on hand to teach the kids about summer and bicycle safety.

### School health award goes to North Zulch Elementary

North Zulch Elementary School in North Zulch received an Outstanding award in the Texas School Health Awards, small school section. The school began teaching basic first aid and



*From left, Oscar Garza, EMT-I; Noemi Sanchez, TDH PHR 11 regional administrator; and Alfredo Garcia, EMT-P, cut a cake at a picnic held by Valley area EMS providers to celebrate Texas EMS Week. Garza and Garcia are members of Weslaco EMS.*

CFR to the fourth, fifth and sixth grade health classes over a three-month period. Students saw films, lectures and demonstrations, and practiced skills on mannequins and on other children during emergency scenarios. During the course of the class, many students reported having used one of the skills they learned.



*Youngsters gather around Andy the Ambulance as he teaches them about EMS. Andy the Ambulance, Ready Teddy and Williamson County EMS taught area elementary school students about calling 9-1-1 and EMS during Texas EMS Week.*



# LOCAL AND REGIONAL EMS NEWS

## Texas Department of Health EMS Offices

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Andrew Cargile  
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**Public Health Region 7**  
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**Public Health Region 8**  
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1021 Garner Field Road  
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(210) 278-7173

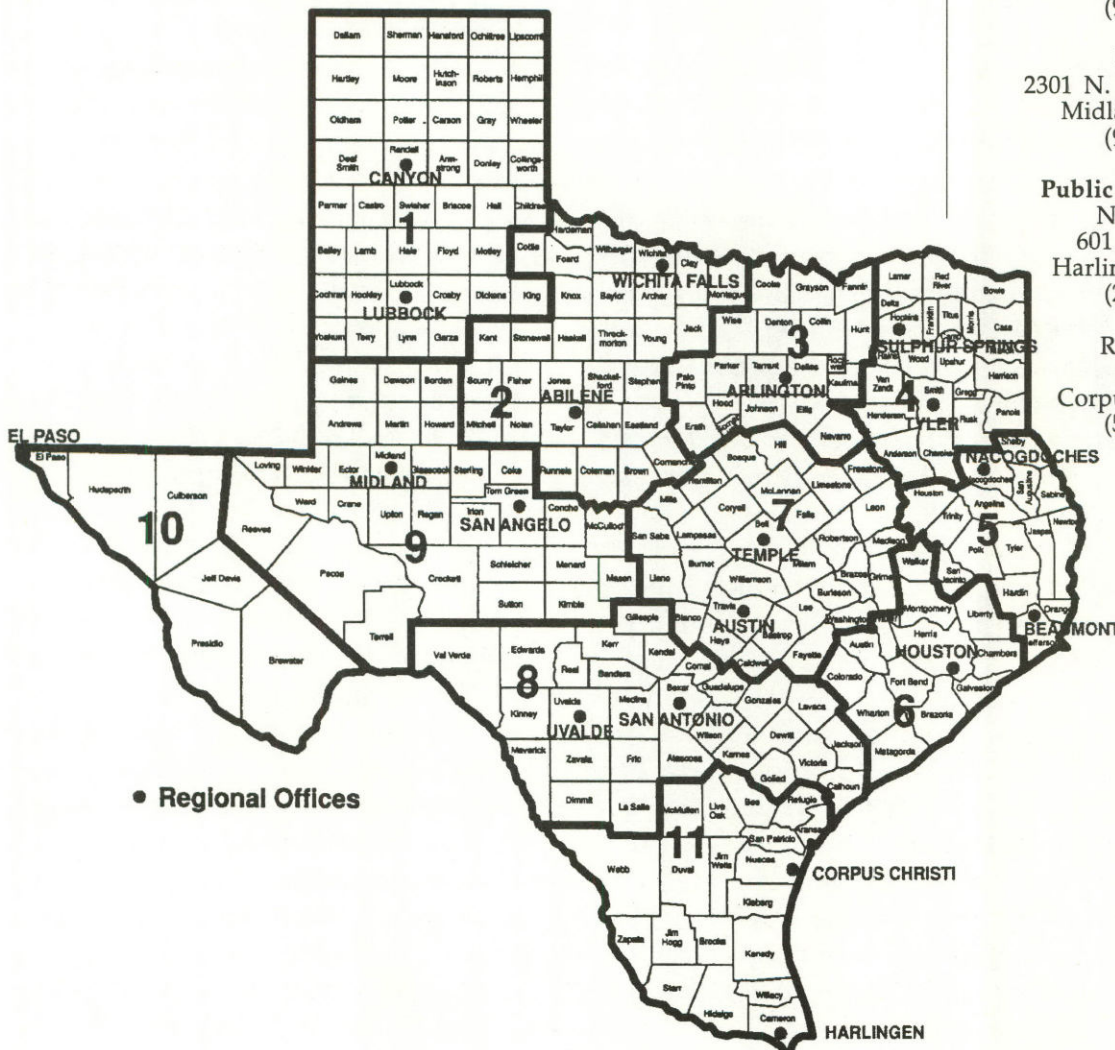
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Fernando Posada  
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**Public Health Regions 9 & 10**  
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**Public Health Region 11**  
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Harlingen, Texas 78550  
(210) 423-0130

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





By  
Neil Coker, BS,  
EMT-P

## Frequently asked questions about EMS Education

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

*Q. I'm an EMT-Basic. I've heard that if I haven't gone through a bridge course to the 1994 curriculum by September 1997, I'll lose my certification. Is this true?*

**A.** Absolutely NOT! Texas EMT-Basics do not have to complete a bridge or transition course to maintain their certification. However, your medical director or EMS administrator may require you to obtain additional formal training to continue practicing in a local system. Also, if you recertify after September 1, 1997, the CE evaluation will include questions based on the 1994 curriculum, and you will have to verify proficiency in the new Basic skills. You can acquire the additional knowledge and skills through any combination of self-study, continuing education or formal refresher training acceptable to you, your employer and your medical director.


*Q. Is it okay for me to give copies of the State Skills Criteria and score sheets to my students?*


**A.** Not only is it okay, it is strongly encouraged. One of the characteristics of successful training programs is well-defined goals and objectives that are clearly communicated. By giving your students the skills criteria and score sheets (or other documents that include the same information), you let them know exactly what your expectations are when they attempt to demonstrate proficiency. This makes learning more efficient for them and teaching more efficient for you.

*Q. I'm an EMS instructor. Can I count the time I spend teaching toward my CE requirement for recertification?*

**A.** Yes, you can. As an instructor in an initial course or a CE program, your instructional time applies on an hour-for-hour basis toward meeting recertification requirements. And yes, you *can* count the same hours toward renewing your instructor certification. If your CE report is audited, a letter from your course coordinator or from an institutional official such as a department chair or dean will be sufficient to verify your teaching activity.

*Q. While I was preparing an ECA course schedule, I discovered that the times listed at the beginning of the sections in the new course guide add up to more than 40 hours. I'm confused. How long is an ECA course supposed to be?*

**A.** The minimum length of an ECA course was set at 40 hours when the first rules were adopted under the EMS Act in 1984. This has not changed even with additions such as hazmat and proficiency verification in patient assessment and spinal immobilization. Legally, an ECA course still can be taught in 40 hours, but the typical course length now is in the range of 56 to 80 hours. Once you exceed the minimums, it is your responsibility as course coordinator to decide how long you need to make your program so your students will be competent entry-level practitioners. Or to put it another way, when the course is long enough to prepare someone to take care of your mother during an emergency, it's the right length. 

 **EMS Fact:** Sixty percent of all speed-related fatal crashes are between 6 p.m. and 6 a.m. —U.S. Department of Transportation.



By  
Linda Reyes

## Frequently asked questions about EMS Standards

**Q.** *I sent in my continuing education (CE) audit material like you asked and it was sent back to me. What do I do to clear the CE audit?*

**A.** You may have been one of the people who sent us a personal CE log, attendance roster or group training record. All of these items are unacceptable evidence of CE completion. We will accept 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 should 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 letters*, written on official letterhead, are the signed letters from a provider or training coordinator that specify 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* is a letter from the Education Program notifying you of the number of CE hours you have accrued after evaluation of your academic records.

**Q.** *One of my co-workers has been selected for CE audit. Does this mean you suspect her of cheating on her CE summary report form?*


**A.** Most of the CE audit participants

are selected by computer on a random basis. However, TDH may audit CE summary forms in response to a complaint or if there is reason to suspect that a candidate may have falsified CE documentation.

**Q.** *I took a course and was never given a course certificate. What do I need to show you to prove I completed the course?*

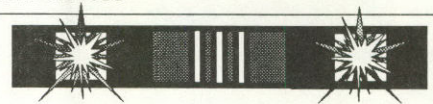
**A.** Contact the provider and ask for a copy of the course certificate or verification in writing. The CE provider should furnish each participant documentation of completion specifying the CE provider, title, date and location of program; content areas and contact hours; and grades or pass/fail, if applicable. CE providers are required to keep program records for a minimum period of five years from the date of completion.

**Q.** *When the two-year CE summary report was due, a friend of mine sent all her CE documents to your office. You returned them. Why?*

**A.** Each certificant should send only the summary report form unless notified of an audit. The summary can be more quickly reviewed and contains a signature statement acknowledging responsibility for substantiating and retaining the actual CE documentation. We audit the records through random selection or the complaint process. 

Call EMS Standards certification verification phone line at 512/834-6769. Fax number is 512/834-6736.

Our web site is:  
<http://www.tdh.state.tx.us/hcqs/ems/stndhome.htm>.



### September/October '99 CE Summary Report Due

*If your certification expires in September or October 1999, your CE summary report is due now.*



# Stand-off requires coordination of emergency services

**D**uring the stand-off with the Republic of Texas, an emergency medical system was placed into operation under my command. This system had been planned approximately six months earlier so that it could be implemented with little or no notice. The operation relied heavily on local volunteers from Jeff Davis County Ambulance, as well as volunteers and paid staff from other EMS agencies, some coming from as far away as Fort Worth, San Antonio, Austin and El Paso. High marks were given to the system by various organizations participating in the stand-off.


The medical response was set up so that anyone injured was taken to the Davis Mountain Resort fire hall where patients were triaged and given initial treatment. The patients were then either transported by ground ambulance or by helicopter to the appropriate medical facility. To achieve this goal, the ambu-

lances and the triage/treatment center had to be staffed around the clock, with medics sleeping on the floor, on tables or in the back of ambulances at night. During the day, mock patients were run through the triage/treatment center to give staff a chance to practice and to work the bugs out of the system.

One ambulance was also continuously stationed at the Warford ranch command post, near the Republic of Texas "embassy." This unit acted as backup to the units at the Davis Mountain Resort fire hall and Fort Davis, as well as acting as the primary response unit to the checkpoint stations set up around State Highway 166.

We also had to guarantee that areas that had sent ambulances and personnel were not left uncovered. MedStar from Fort Worth and the Marfa backup ambulance covered Fort Davis and Presidio EMS; Imperial Volunteer EMS and Iraan Volunteer Fire Department and EMS covered Marfa.

By the end of the ordeal, the medical team had logged approximately 4,692 hours of effort, involved 12 different EMS services, treated nine patients and transported four to the hospital. It was a relief that this was all the team had to do, but we were ready if called on to do more.

The team work was outstanding. Jeff Davis County and all of West Texas can be proud of the job that their emergency medical staff did in responding to this need. The numbers of staff and services responding show that no community is truly alone in a disaster even though it may be miles away from its neighbors. 

Michael Ward is the director of Jeff Davis County Ambulance and served as medical commander during the stand-off.

## EMS providers involved in Republic of Texas stand-off

Medical Command: Michael H. Ward, EMT-P (Jeff Davis County Ambulance/McDonald Observatory) Assistants: Jerry Rhea, EMT (JDCA/Davis Mountain Resort), Lee Burtemosso, EMT-P (Marfa EMS)

Jeff Davis County Ambulance (1,452 staff hours)	Imperial Volunteer EMS (288 staff hours)
Marfa EMS (528 staff hours)	Iraan Volunteer Fire Department and EMS (72 staff hours)
Balmorrahea Volunteer EMS (312 staff hours)	MedStar (American Medical Response) from Fort Worth (240 staff hours)
Presidio EMS (192 staff hours)	TX-1 DMAT (Disaster Medical Assistance Team) from El Paso (792 staff hours)
Pecos Volunteer EMS (72 staff hours)	DPS Tactical EMS Medics (600 staff hours)
Fort Stockton Volunteer EMS (72 staff hours)	Also assigned to medical command were two Black Hawk medical evacua- tion helicopters.
Toyah Volunteer Ambulance Service (72 staff hours)	<b>Estimated staff hours: 4,692 total.</b>



*Blast into the 21st century with*

# EMSTC

## EMS Technology Conference

February 12-13, 1998  
Austin Convention Center  
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Hands-on training in the hottest technology

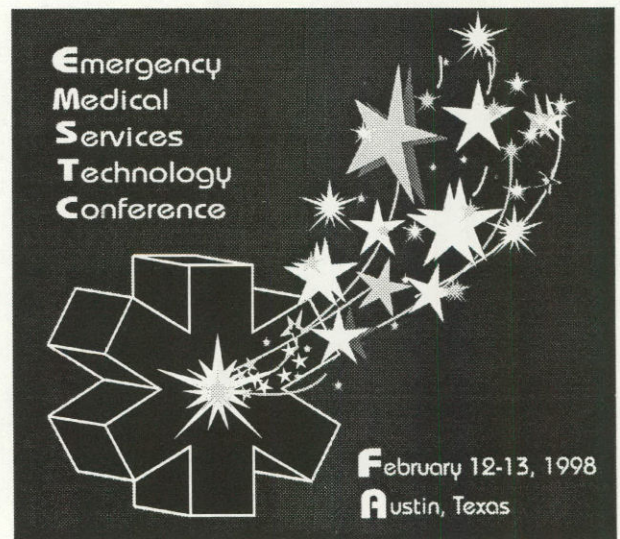
- Software/hardware
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- Education technology
- Computers/Information Systems

A two-day conference of classes showcasing cutting edge technology will prepare you for the challenges and changes in emergency health care.

Cost is only \$195, which includes Texas Department of Health continuing education credits for each class attended.

And you'll have full access at no charge to the huge Government Technology Conference exhibit show downstairs at the convention center and free admission to all GTC keynote speeches featuring nationally-known leaders in technology.

Special hotel rates available.



EMS Technology Conference  
Sponsored by Texas Department of Health and  
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in conjunction with  
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February 9-13

For more information or for a registration form, call (512) 834-6700,  
or visit our web site at <http://www.tdh.state.tx.us/hcqs/ems/tech.htm>





By Blas A. Meza, RN, EMT-P

# Are we spreading infections?

## Universal Precautions

—Precautions taken based on the possibility that blood and certain body fluids are potentially infectious for HIV, HBV and other bloodborne pathogens (i.e. semen, vaginal secretions, tissue, CSF, synovial, pleural, peritoneal, pericardial, amniotic fluid and any body secretion visibly contaminated with blood). Does not include feces, nasal secretions, sputum, sweat, tears, urine or vomitus.

**Body Substance Isolation (B.S.I.)**—Isolation of *all* moist and potentially infectious body substances (i.e. blood, feces, urine, sputum, saliva, wound drainage and other body fluids).

Source: APIC Infection Control and Applied Epidemiology: Mosby, 1996.

Imagine this scenario: It is the beginning of your shift and you have just finished wiping down your stretcher and all your ambulance equipment, like any other day. Your partner comes over and says, "Remember that elderly lady we transferred last week from the nursing home? I just heard she died of a staph infection and they believe we may have given it to her!" You wonder if you could have possibly given the patient an infection. The answer is yes, and the instrument responsible may have been your stethoscope.

Recent articles have brought to light how health care providers may be responsible for spreading infections with their stethoscopes. The September 1996 issue of *Emergency Health Services Mirror*, a magazine from British Columbia, mentions how researchers in Toronto were able to trace a case of vancomycin-resistant enterococci (V.R.E.) to a dirty stethoscope. An article published in the *Annals of Emergency Medicine* (v26, p296, 1996) also mentions how staphylococci were cultured from 89 percent of the stethoscopes of 150 medical personnel. Apparently stethoscopes, the piece of equipment most frequently used, may also be the one cared for the least.

But wait a minute! We live in an environment filled with microorganisms. Aren't staphylococci usually found in the soil and sometimes on the surface of our skin? And enterococci and a few others exist naturally in our intestinal track. How can these germs, which don't affect us, cause serious infections in our patients?

The answer is simple. Even though we coexist with microorganisms, known as *transient* or *resident flora*, in and around our healthy bodies, occasionally

these microorganisms get into places where they shouldn't be and cause infections. For example, that little cut on your finger that started getting red and warm to touch was probably a staph infection fought off by your body's immune system. Another example is the urinary tract infection (U.T.I.) caused by enterococci. Sometimes these microorganisms find a way to invade our blood system, overwhelm our immune response and cause us to become septic. In the emergency setting, our patients are highly vulnerable and susceptible to life-threatening infections due to open wounds and weakened conditions.

Although it is currently unknown how many infections are spread by EMS personnel, some cases have been traced back to stethoscopes. With the increasing number of antibiotic-resistant strains such as V.R.E and multi-drug resistant staphylococci (M.R.S.A.), we in EMS have a high potential for spreading deadly infections to our patients.

So what can we do to prevent it? One solution mentioned was the simple daily cleaning of our stethoscopes with antibacterial soap to decrease the number of pathogenic bacteria. Obviously we still need to follow our infection control habits such as adhering to B.S.I. precautions, cleaning our units after calls and mopping up body fluid spills with a disinfectant or antibacterial solution as soon as possible. And we can never forget to wash our hands between patients, *even if we wore gloves*. Remember that handwashing is the single most important means of preventing the spread of infection. Not only will we prevent the spread of infections at work, but also prevent the spread of infections to our family and loved ones at home. 🐾

Blas Meza is a public safety infection control nurse with Texas Tech University Health Sciences Center-EI Paso and one of only four nurses in Texas designated as an infection control practitioner. He has been a paramedic since 1981.



# Satellite communication debuts in North Texas

By  
Jerry Bradshaw,  
EMT-P


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

The Nortex EMS Regional Providers Association is pilot-testing a state-of-the-art satellite communications system for a six-month period. This program, the first regional pilot program in the U.S., kicked-off in April. The system allows any ambulance, hospital, or dispatcher within a 12-county area to communicate at any time without the limitations of distance, dead spots, terrain and atmospheric conditions, and without the necessity of a repeater. The satellite system not only allows users to be in their own individual talk groups, but also has the capability of allowing them to enter into other talk groups while traveling. This should enable the user to talk with the dispatcher or medical control from anywhere in the country. During testing, the group also has use of a cellular phone that allows the user to talk anywhere in the U.S. without roam and long distance charges. Each radio comes with the capability to send and receive faxes, and has a data port for uploading and downloading information into a central computer, which helps maintain quality assurance. With the satellite system, a scanner is not capable of monitoring the radios because of its one gigahertz digital frequency.

The Wichita General Hospital and Bethania Regional Health Care Center are the hubs of this system and are highly supportive. The association, which was organized a little over a

year ago, believes that the satellite communication system will be the future for all emergency communication.

The association was organized to bring together all the providers in the region so larger providers could help small providers; to open up communications between providers; to join all individual providers in working toward a common goal; and to help the rural EMS systems achieve better training, equipment, medical control, mutual aid and communications. During the organization's first year, the group implemented the satellite communication system, established a regional equipment library and trained 150 first responders. Progress has also been made toward establishing regional mutual aid agreements between hospitals and training institutions, and between the region's providers. Future goals include developing a regional medical director and regional standardized protocols.

The Nortex EMS Providers Association members are Archer City Ambulance Service, Bowie Montague County Fire Department, Clay County Fire Association, Bryson Volunteer EMS, Electra Tri-Med Ambulance Service, Faith Community Hospital, Graham/Young County EMS, Hardeman County EMS, Lifeline EMS Inc., Nocola General Hospital EMS, Nocona Hills Volunteer Fire Department, Olney EMS, Vernon Regional Jr. College, Paducah Ambulance Service, PK Westlake VEMS, Saint Jo Volunteer Fire/EMS, Seymour/Baylor EMS, Three Rivers Ambulance Inc., Vernon Fire EMS and Wise County EMS. 

Jerry Bradshaw is a paramedic and EMS program specialist in the Public Health Region 2. For more information call him at (817) 767-8593.



# Williamson

*The storm's long trek through the state's center gave those in its path plenty of time to seek cover. For some, it wouldn't matter. Twenty-seven in the tiny town of Jarrell were swept into the tornado's fury.*

**By Kelly Harrell**



# County responds

*The tornadoes that left a path of destruction down I-35 seemed to gather fury before tearing through Williamson County, splitting emergency responders between two scenes of major devastation.*

**T**he storm that spent the afternoon of May 27 ripping through the middle of Texas came calling in Williamson County about 3:30 p.m. Just south of the county line, the storm seemed to stall and gather strength as it prepared to sweep down the small valley where about 50 families made their homes in the tiny farming community of Jarrell. For eleven long minutes, a Force 5 (F5) (see box on page 33) tornado tore through the valley, chewing up all in its 880-foot-wide path. The powerful winds sucked pavement off the roads and ripped pipes from house foundations.

When the twister lifted just past the subdivision, the estimated 300-mile-per-hour winds had swept clean house foundations as if they'd anchored straw instead of bricks. Gone were 50 homes, along with everything inside: washers, dryers, refrigerators, furniture, bathtubs, animals, people. Everything in the tornado's path lay in small pieces scattered over miles of muddy, turned earth. The storm moved south, spawn-

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*Scott Beckwith, of Jarrell, watched this tornado coming toward Jarrell and ran to get his camera. The photo was taken about 15 minutes after the tornado.*

ing an F2/F3 tornado in Cedar Park, where it tore the roof off a grocery store and destroyed or damaged 131 homes.

The storm's long trek through the state's center gave those in its path plenty of time to seek cover. For some, it wouldn't matter. Twenty-seven in Jarrell were swept into the tornado's fury and died. EMS would find five seriously injured in Jarrell; another was pulled from beneath the rubble of the grocery store in Cedar Park. Another man went into cardiac arrest and died as the tornado cut through his Cedar Park subdivision.

Many victims are rebuilding; others have chosen to leave. For Williamson County EMS and emergency management officials, the storm began a month-long process of assessment, recovery and rebuilding.

## 'The sky was green-black'

Paramedic Captain Angie Noelle's first hint of trouble came with a page at 2:20 p.m. As she tried to answer the first page, she got another: Get back to the Georgetown office immediately. "Looking up I-35, the sky north of us was green-black," says Noelle. "And it



# Emergency response in Moody

*Mike Alton wears many hats in Moody. One of those hats is as a National Weather Service (NWS) weather spotter.*

*Photo by Paul Tilley*



*Paul and Amy Tilley took this photo of the Moody tornado from inside their garage.*

**U**pon returning to Moody (around 2:30 p.m.), I found four Moody fire vehicles, one Moody ambulance, two ambulances from McGregor and two ambulances from Rural/Metro-Waco on standby, waiting to assist with rescue.

—Mike Alton

I received the first page from the NWS about a possible tornadic storm heading toward McLennan County at approximately 10:00 a.m. At 11:30 a.m., the NWS upgraded the storm to a moderate risk storm. Between 1:30-1:45 p.m., I received a page reporting a tornado on the ground between Lorena and Hewitt, 17 miles northeast of Moody, and I was activated as a weather spotter for McLennan County. At 2:00 p.m., a tornado hit outside of Moody and remained on the ground for about 1½ miles, damaging one house and destroying another, but injuring no one. I then began tracking the funnel south of Moody and watched as the storm left the county. Upon returning to Moody (around 2:30 p.m.), I found four Moody fire vehicles, one Moody ambulance, two ambulances from McGregor and two ambulances from Rural/Metro-Waco on standby, waiting to assist with rescue. We then heard that a tornado had hit Lake Belton. —Mike Alton, fire chief, emergency management coordinator for Moody, mayor and high school teacher, as told to Penny Workman.

was like, it's going to happen. It's definitely going to happen." By the time she reached Georgetown, extra crews had been called in and the county's Emergency Operations Center (EOC) activated. Ninety minutes later, Noelle stood in the remains of a subdivision, about 30 minutes after the storm had passed through.

"I walked down the first hill and I was absolutely amazed because I could not see a bathtub, a sink, a freezer, a refrigerator. Everything was just in million pieces," Noelle says. "There were no structures left. No trees, no grass—just thousands of pieces of playing tiles, Scrabble tiles."

The first Williamson County ambulance arrived 12 minutes after the tornado lifted; four more arrived in another 20 minutes. Unfortunately, there were few victims to treat. Three patients were flown out, while two more went by ground units. Mostly, there were fatalities, their locations marked by tiny orange flags. Many more lay obscured or entangled in debris. Medics joined other emergency personnel in the grim work of searching for survivors, and then for bodies. As the light began to fade into evening, so did hopes of finding anyone alive.

"In the EMS field, we always come in and take care of people's needs. We're not always successful, but at least we're able to do something," says John Sneed, Williamson County EMS director and the county's emergency management coordinator. "The big concern out there was that there was nothing for (the crews) to do and that hurt our staff."

## 'Cars stacked up'

The fatalities in Cedar Park could have easily eclipsed Jarrell's as a funnel



cloud dipped down in Cedar Park, a populous suburb of Austin. The storm demolished a huge Albertson's grocery store, collapsing the roof and tossing the cars in the parking lot like toys. Broken water mains flooded the floor with two feet of water that mixed with food and household cleaning products. Kevin Castello, another paramedic captain for Williamson County, drove up to the scene from the rear.

"There were cars from the Albertson's parking lot and from the Walgreen's parking lot (across the street) stacked up on the wall, on each other and rolled over, with all the glass out of them," Castello says. "When I showed up, we had one crew at Walgreen's with six or seven confirmed patients we knew we were going to take to the hospital. Then we had about 100 minor injuries that we started routing towards care."

Another crew set up triage at the Albertson's, where rescue teams tried to determine if the building was stable enough to attempt entry. At that point, crews thought there might be as many as 50 victims in the store based on the number of cars in the parking lot. But minutes before the tornado hit, a quick-thinking Albertson's store manager herded about 30 shoppers into the coolers at the back of the store. The group emerged unscathed as emergency workers arrived. One store employee was found about three hours later in the rubble. But because no one knew the number of customers, it would take 12 hours and the addition of high-tech camera equipment before rescue workers would be certain no one remained inside. EMS crews remained on alert through the night, preparing for the worst. Fortunately, the damage to Cedar Park was mainly to structures.



Photo by Scott Beckwith

Castello: "If the (tornado) in Cedar Park had even been close to what we had in Jarrell, we would have had hundreds of deaths."

*Williamson County rescue personnel transport a victim of the Jarrell tornado just minutes after the storm passed. At the right, the concrete foundation where a house stood.*

## 'The system was overwhelmed'

Early in the afternoon, Sneed knew the storm had the potential to overwhelm the EMS system. In the hour before the storm hit, Sneed called in available staff and put four additional ambulances into service. As reports came in that an entire neighborhood in Jarrell had been wiped out, the storm was hitting Cedar Park.

"We were split and had two major operations going, not to mention a significant increase in call volume," Sneed says. "The system was overwhelmed at the time."

But splitting operations was only one of the major challenges faced by Williamson County EMS, which covers the entire 1,100-square-mile county. The

### The Fujita Tornado Intensity Scale

F-Scale Intensity	Wind Speed
F0 Gale tornado .....	40-72mph
F1 Moderate tornado .....	73-112mph
F2 Significant tornado ...	113-157mph
F3 Severe tornado .....	158-206mph
F4 Devastating tornado	207-260mph
F5 Incredible tornado ....	261-318mph



## Eyewitness: Cedar Park

# Urban Caving

Photo courtesy Duane Smith,  
Hill Country News



The Albertson's roof in Cedar Park collapsed after being struck by a tornado.

*Aisles of shelving that teetered like dominoes created 60-foot-long crawl ways.*

*One week later, I was in my neighborhood grocery store and I got a chill down my arms at the magnitude of the events that had occurred.*

*—John Green*

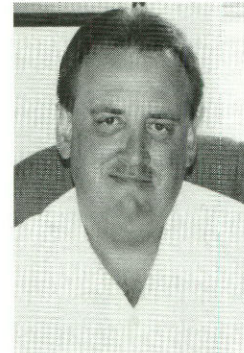
**D**uring the May 27th storm, the roof of a Cedar Park Albertson's grocery store collapsed. I arrived at the scene around midnight. I entered about an hour later with directions to search the store for any trapped victims. Food, canned goods and other stock were everywhere, two to three feet deep on the floor. I had to clear an aisle in order to reach some voids created by the pancake-style roof collapse. Who would of thought my years of caving and cave rescue would place me here? Instead of rock, gravel, breakdown, rubble and dirt, I was slithering through potato chips, melting Mexican food TV dinners, plastic coke bottles that exploded with the slightest touch, and diapers (amazing how heavy when soaked!). Aisles of shelving that teetered like dominoes created 60-foot-long crawl ways. There were tight squeezes, long belly crawls, and some creative body movement, just like Texas caves.

We searched until 4:00 a.m., regrouped and entered again an hour later. It was eerie to see the morning light through the gaping hole in the roof. Slowly, the amount of destruction was displayed as a whole, not limited to the five-foot circle my headlight lit up.

We completed the search—what could be feasibly done without the use of a crane—around 8:30 a.m. without finding any victims.

It wasn't until one week later when I was in my neighborhood grocery store (yes, another Albertson's) and walked down the diaper aisle, that I got a chill down my arms at the magnitude of the events that had occurred.—*John Green, EMT, Austin Fire Department*

new radio system antenna took a direct lightning hit, and a computer glitch made the backup system use-



*John Sneed*

less. Heavy air traffic cratered cellular phone service. Fortunately, the old radio system had not been scrapped and crews used that, although there were no hand-held units. "We had to physically go to the

truck to utilize radio communications," Castello says. "That really complicated things."

Lack of radio communication hindered the movement of supplies, as it was sometimes difficult to gauge needs at each site. Sneed solved this issue by assigning one vehicle to do nothing but drive around and deliver supplies. Lots of supplies.

"It was an expensive day because of the amount of equipment that went out the door to stock extra trucks to meet the needs, not only of the normal calls, but of those humongous calls," Sneed says. "For instance, gloves became a major issue."

That's partly because of the number of rescuers. In Jarrell, and to a lesser extent Cedar Park, the number of rescuers showing up to help quickly became a management issue. Cedar Park has plenty of places to get food and water, and plenty of bathroom facilities. In Jarrell, Sneed had to truck in food and water and borrow portable bathrooms from Travis County. "I know this sounds ridiculous, but our biggest problem (in Jarrell) Tuesday evening, other than dealing with bodies, was port-a-potties," Sneed says.

Sneed also worried about the



mental well-being of his staff and volunteers. Buses intended for overheated volunteers and rescue workers were quickly converted to makeshift debriefing areas when that need became clear. The debriefing was mandatory for all Williamson County EMS staff and volunteers at Jarrell.

"The first thing we had to do was take care of our staff, and originally we were going to send them back to the high school," Sneed says. "What ended up happening is that the CISD teams were very, very concerned about the reactions (any) volunteer would have if they weren't debriefed immediately after leaving the scene."

Debriefings for EMS personnel began at 2 p.m. the day after the storm and continued at three a day for a week. Paramedic Noelle saw a lot of rescuers affected by what they'd seen, especially in Jarrell.

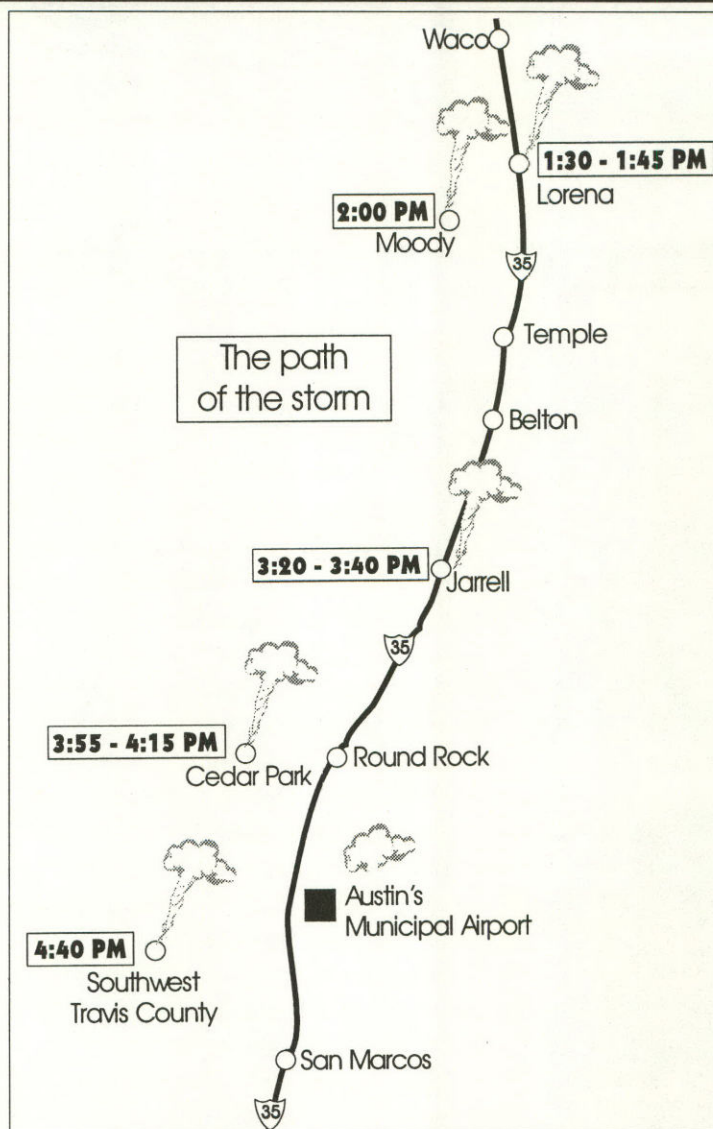
"They call you for a car accident and you kind of know what to expect, but your mind has never seen a picture like (Jarrell)," Noelle says. "We were not prepared, mentally, to see the destruction of the bodies."

Yet EMS staff, in many cases, had to turn around and continue to run calls that night, or report for regular duty the next day. That created a major staffing issue for the administrative team, who tried to make sure crews weren't overtaxed.

"Eight-o'clock the next morning, it was business as usual, according to the community," says Noelle.

But in addition to managing crew time, Sneed's team had to manage the thousands of volunteers who showed up unannounced during the next week. At one point, Sneed asked volunteers not to come until officials were better prepared for them, a decision that made front page news.

"I agonized over that decision, but



we were worried about not being able to get them back in and debrief them later," Sneed says.

Sneed also struggled with the volume of donations that poured in from across the country: furniture, clothes, appliances and thousands of pounds of food—some perishable—was trucked

*In the weeks after the Jarrell tornado, donations from across the country filled the high school gym and overflowed into the parking lot.*

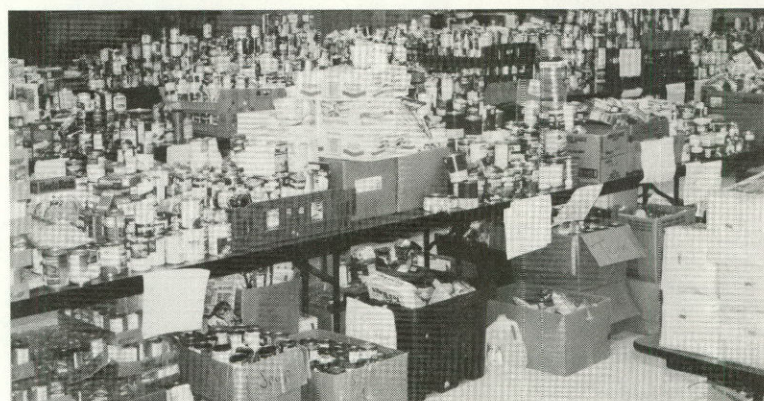


Photo by Kelly Harrell



## Volunteering in Jarrell



Photo by Norman Crabbs

Debris in Jarrell

*In the week after I was in Jarrell, I had nightmares. I have never seen anything like what happened in that town, and I hope I never do again. I know I'll never forget what I saw there."*

*—J. W. Stone*

**T**he morning of May 31, just three days after an F5 tornado ripped through Double Creek Estates in Jarrell, I went with a group of volunteers to help clean up after the disaster. I had been in that area of Jarrell a few times before, and I couldn't believe what I saw. In some areas, there were no signs that any homes were ever there. No grass, no trees, not a board, no plumbing, wires, pipes, bathtubs—all of it was gone. It even pulled asphalt off the roads. There were holes where trees had been. It sucked a motor out of a car. A big John Deere tractor, one of the big enclosed ones, was picked up and was found about 1/4 mile away. A pickup truck was smashed to the size of a big screen television. There was a ballpoint pen through a board—like it had been nailed through it.

I met a man who said he had been in the Mt. St. Helens area when it erupted, so he moved to California. After the earthquake he said that he wanted to move away from disasters, where it was safe and none of those things could happen, so he moved to Jarrell. His house was totally destroyed.

I have friends in Jarrell and I used to drive in the Double Creek Estates area just to look at the collection of antique cars that one man had. There must have been over 50 cars, and I'm told they have only been able to find what is left of three of them. In the week after I was in Jarrell, I had nightmares. I have never seen anything like what happened in that town, and I hope I never do again. I know I'll never forget what I saw there.

*—J. W. Stone as told to Jan Brizendine*

into Jarrell over the next week, often without notice. Donations stored in the high school gym soon overflowed into the parking lot and more rain threatened to ruin items such as mattresses. The decision was made to try to cut off all donations except money.

"The local people did not want to offend anyone by saying they didn't want the donations," Sneed says. "But we were literally running out of space."

And Williamson County officials found themselves with a surprising problem in the aftermath: the public perception that the way to survive is to outrun a storm. When tornado warning sirens wailed again on the Friday after the storm, officials heard that several restaurants had urged patrons to leave the buildings. Bad advice, points out paramedic Castello. In all but the very worst tornados, such as the F5 that hit Jarrell, the safest place to be is an interior room inside a well-built structure.

"We had national weather service people come out (to Jarrell) and say they had never seen anything like it," Castello says. "That tells me that this was a very isolated storm."

### The work continues

Sitting on Sneed's desk is a four-inch binder filled with three weeks' worth of disaster management information. No textbook theory here: these are the details of what really happens in a disaster and how each challenge was handled. What the county has learned from this disaster will go into the next emergency management plan. Yet parts of the county's emergency plan worked well. Everyone agrees that yearly disaster drills helped EMS crews prepare, as





Photo courtesy Duane Smith, Hill Country News

*A funnel cloud dipped down in Cedar Park, demolishing a grocery store and several businesses. At the Albertson's grocery store, rescuers spent the night searching for victims believed to be buried under the debris.*

did the extensive incident command training supervisors have. Others outside the system also pitched in: businesses donated supplies, and Sneed got offers of help from EMS organizations all over the state. Volunteers picked up the millions of pieces of debris and sorted through tons of trash for anything salvageable. But Sneed gives most of the credit to the Williamson County employees.

"I can't sit here and say our planning was what caused it to go so well," Sneed says. "It was just individual efforts made by our employees. They came and did their jobs, and did their jobs well."

But the challenges are not over. Williamson County EMS has struggled to get back to normal in the weeks following the storm. For EMS, it took about a week for things to settle down. For those rebuilding their lives or helping to replace the infrastructure of a rural

community, the work continues.

"Someone told me the day after the storm that the hard work was over," Sneed says. "Boy, was that an inaccurate statement. The hard work had only begun. And it continues today." 🙌

*Nothing escaped in the storm's path: The twister in Jarrell demolished an 18-wheel truck as winds reached an estimated 300 miles per hour. Photo by Norman Crabb*





# Watching the storm move south

**W**e were into our second day of a body recovery at Mansfield Dam Park when the local media notified us they were leaving to cover a story on a large storm in Williamson County. The recovery effort was closed down at 1550 and within twenty minutes the skies became an eerie color of charcoal and aquamarine. While assisting a park ranger in evacuating the park, I witnessed the formation of a funnel cloud. I communicated with Austin EMS dispatch the location and direction of the cloud. As the cloud touched ground and moved across Lake Travis, the winds became stronger and the lighting much more frequent. We left the park and found shelter beneath the bridge in front of the Mansfield Dam.

We left the bridge and proceeded towards the Pedernales area for a reported multi-vehicle accident with multiple entrapments. What scared me the most was traveling to the accident call and encountering the hail and debris from the tornado. At one point I surely felt I would lose control of my full-size Bronco and become a casualty of the storm.

Upon arriving in Pedernales, I saw the results of the fury Mother Nature can unleash. Coming from the East Coast, I am familiar with hurricanes and the widespread damage and destruction created by these storms. However, the tornado damage was concentrated and limited: vehicles flung around, trees twisted and torn and houses smashed; even the grass was gone.

The only thing the storm didn't damage was the spirit of kindness. This was my first tornado, but I hope not my last encounter with the human will to continue despite adversity. —Michael D. Berg, NREMT-P, Austin/Travis County EMS

*Coming from the East Coast, I am familiar with hurricanes and the widespread damage they do. The tornado damage was concentrated. Vehicles were flung around, trees twisted, houses smashed; even the grass was gone.*

—Michael Berg

## Severe Texas Storms

Texas has been hit by several tornadoes ranking in the upper ranges of the Fujita scale, F4 and F5, since the scale began being used in 1950. Tornadoes of this intensity are extremely rare, constituting only two percent of all tornadoes. These storms are some of the more destructive tornadoes ranked by area covered to hit Texas since 1950.

- An F4 tornado hit Wichita Falls on April 10, 1979. The 1,300-yard-wide funnel cloud stayed on the ground for 47 miles, killing 42 people.

*This tornado is considered to be the most damaging tornado in history.*

- An F5 tornado hit Waco on May 11, 1953. The 600-yard-wide funnel cloud touched down for 23 miles, killing 114 people.
- An F5 tornado touched down in Lubbock on May 11, 1970. The 1,500-yard-wide funnel cloud stayed on the ground for 8 miles, killing 8 people.
- An F4 tornado hit Lancaster on April 25, 1994. The 800-yard-wide funnel cloud touched down for 6 miles, killing 3 people.
- An F5 tornado touched down in Jarrell on May 27, 1997. The 880-yard-wide funnel cloud stayed on the ground for 5 miles, killing 27 people.
- An F4 tornado hit Saragosa on May 22, 1987. The 1,000-yard-wide funnel cloud touched down for 3 miles, killing 30 people.
- An F4 tornado touched down in Pampa on June 8, 1995. The 200-yard-wide funnel cloud stayed on the ground for 3 miles.

—Dallas Morning News, May 30, 1997.



## Austin gets its share of the storm

**T**he storm struck at the beginning of Austin's rush hour, causing numerous collisions and snarling traffic for hours. Austin EMS (AEMS), which provides service to all of Travis County, put four additional ambulances into service, two staffed with Special Operations (SpecOps) crews, along with an extra commander. Between 1530 and midnight, dispatched calls and moveups were 80 percent higher than in the same interval during the following day. In addition to numerous collisions and the "usual" medical calls, AEMS responded to:

- Southwest Travis County, where the F4 struck, an AEMS ambulance provided standby resources and eventually handled the DOS pronouncement of the lone fatality.
  - Pflugerville (just north of Austin in Travis County), an AEMS commander and rescue ambulance responded to a report of a patient trapped in a vehicle in high water.
  - Shoal Creek in Austin, where a 38-year-old female died in rough, rapid floodwaters. AEMS and Austin Fire Department (AFD) personnel attempted resuscitation prior to her being pronounced dead on scene.
  - Two AFD firefighters who were exposed to organophosphates in South Austin while investigating a potential hazmat scene. The firefighters were evaluated and transported.
  - A severe collision resulted in two trips by STARFlight to transport two ejected pediatric patients and two entrapped adults.
- Although intense, the storm was relatively brief. All supplemental units were demobilized and additional personnel sent home by midnight. —Jeff Rubin, EMT-I, Austin EMS
- Albertson's in Cedar Park with an ambulance and command unit, and a SpecOps Command unit to ascertain potential medical and rescue needs. AEMS transported two patients by ground, one by air. Portions of the Texas Urban Search & Rescue (USAR) team were activated, including three SpecOps paramedics from AEMS.
  - Jarrell, where local responders initially requested extensive mutual aid; a command unit, ambulance, and the system medical director responded.

*The storm struck at the beginning of Austin's rush hour, causing numerous collisions and snarling traffic for hours. Austin EMS put four additional ambulances into service, two staffed with Special Operations crews, along with an extra commander.*

—Jeff Rubin



*The Austin EMS medical director and a supervisor responded to Jarrell when Williamson County requested mutual aid, but it soon became apparent that little remained of the subdivision.*





By Michael D. Berg, NREMT-P

ILLUSTRATION PHOTO BY BEVERLY NEVILLE

# Pharmacology for the EMT-Basic

*The tones from your pager startle you from sleep in the early hours of the morning. Communications advises you to respond to a patient complaining of difficulty breathing with a history of asthma. Upon arrival, you find a female patient, approximately 23-years-old, in apparent respiratory distress and unable to speak in complete sentences. She is awake and somewhat anxious. Her skin is warm and dry; pulse is 100 bpm; respirations are around 32 breaths per minute; and blood pressure is 146/78. You note no visible cyanosis. Lung sound assessment reveals audible inspiratory and expiratory wheezes. You notice an inhaler on the night stand with its packaging lying next to it. You place the patient on high-flow oxygen via a nonrebreather and await the arrival of the transport ambulance.*

Although this article is titled "Pharmacology for the EMT-Basic," the use of drugs by EMTs is not a new subject. EMTs certified under the 1984 DOT EMT curriculum used drugs such as oxygen, syrup of Ipecac and oral glucose. Within TDH guidelines, the service's medical director maintains the option to include the carrying and administration of medication by that service's personnel. With the implementation of the 1994 DOT EMT curriculum, the scope of medication used by EMTs has greatly expanded. It is important to have basic knowledge of pharmacology in order for EMT-Bs to understand the principles of medication administration.

When developing the 1994 EMT-B curriculum, several basic concepts were implemented. The most obvious was the inclusion of "an assessment-based format rather than a diagnostic-based format for all levels and all

## Objectives

At the conclusion of this article the reader will be able to understand the following:

- the difference between trade names and generic names for medications
- the various forms of medications
- the various terminology associated with medications
  - indication
  - contraindication
  - dose
  - mechanism of action
  - side effects
- various administration routes
  - oral
  - sublingual
  - inhalation
  - intramuscular
- information needed prior to implementing medication administration
- the importance of medical control/direction
- those medications introduced in the 1994 EMT-B curriculum
- those medications introduced for the EMT-B by TDH

Michael D. Berg, NREMT-P, is a medical liaison officer with Travis County Department of Emergency Services. Before being recruited to Texas from Virginia, Berg was significantly involved with the implementation of the new EMT-B curriculum. He taught the first pilot EMT-B program in Virginia and was faculty with the Virginia EMS training staff during the delivery of the new curriculum to over 300 EMT instructors. Berg has also lectured at several EMS conferences regarding the new EMT-Basic curriculum.



Table 1

Generic Name	Trade Name	Form
Activated Charcoal	SuperChar® InstaChar® Actidose®	Suspension
Oral Glucose	Glutose® Insta-glucose®	Gel
Oxygen		Gas
Albuterol (inhaler)	Proventil®	Fine powder for inhalation/liquid/vaporized
	Ventolin®	Fixed-dose nebulizer
Nitroglycerin	Nitrostat®	Compressed powder or tablets/sublingual spray
	Nitrolingual®	
Epinephrine Autoinjector	Adrenaline	Liquid for injection

ages.<sup>17</sup> The assessment approach allows the EMT to recognize when an individual is in distress, and to assist in the administration of the patient's own prescribed medications or administer those medications which have been proven to provide rapid relief in specific situations.

When discussing medications, EMT-Bs will need to recognize the different names for those medications, specifically the **generic** versus **trade** names. Generic medications are those listed in the *U.S. Pharmacopeia*, a government publication listing all medications used in the United States. The trade name is the name given by the company that makes and sells the medication. Trade names are copyrighted and many have the trademark symbol (®). For example, a patient with his or her own metered dose inhalers may be using the drug Albuterol (generic name), but will tell you they are taking Ventolin® or Proventil®.

Since ancient times, man has been developing materials (natural and synthetic) to alter disease processes, allevi-

ate pain, and in some cases, induce euphoria. Medications, to be effective, need to be introduced into the human system. The EMT will be introduced to medications in the various forms: compressed powders or tablets, liquids for injection, gels, suspensions, fine powder for inhalation, gases, sublingual spray or vaporized liquids.

Medications cannot be given to any patient at just any time. The EMT-B must comprehend under what circumstance a medication should be utilized and any possible reaction(s) the patient may experience. An **indication** is the signs and symptoms (based on the mechanism of injury or illness) in which a medication should be used, i.e., oxygen administration for a complaint of difficulty breathing. A **contraindication** is a situation when a medication should not be used, i.e., nitroglycerin for a hypotensive patient.

Medications administered to patients have varying effects at different amounts. It is therefore important the EMT-B understand what **dose**, or



amount, of a medication should be administered to the patient. With the correct dose, the EMT-B can affect the desired result from the medication administered. A **side effect** can best be described as actions of the drug that are uncomfortable or dangerous. Examples of side effects include nausea, vomiting and dizziness. Different medications have different side effects.

Medications come in various forms as previously noted. The EMT-B will be introducing medications to the patient via a limited number of routes. Those routes are limited to the following:

- Oral - via the mouth
- Sublingual - under the patient's tongue
- Inhalation - fine mist or gas absorbed in the lungs
- Intramuscular - direct injection into deep muscle for absorption into the blood stream

There are several key pieces of information an EMT-B must have prior to implementing any administration of medication. They are:

### **The right patient**

Patients may only receive medications as prescribed by their personal physician or by medical control. The patient's physician has evaluated his or her medical condition and determined the appropriate medication and dosage needed to treat/regulate the immediate status as presented to the EMT-B.

### **The right medication**

The EMT-B must be able to recognize the various medications available and question when they are not sure as to the correct medication name.

### **The right dose**

Obviously, medications have different effects on the human body at different doses. The EMT-B must ensure the appropriate dose is administered for the desired effect.

### **The right route**

Medications also may be introduced into the human body through various routes; this can lead to dramatic differences in the desired effect the medication has on the human body.


All of the above mentioned "rights" are important but cannot be acted upon unless the EMT-B has permission from medical control to utilize the medication. This can be accomplished either with written approved standing orders (off-line) or via direct conversation with a physician (on-line). The 1994 EMT-B curriculum has recognized the importance of medical direction in that it requires all programs teaching the EMT-B curriculum to have a medical director in order for the course to be conducted. This is because of not only the implementation of patient-assisted medications, but the inclusion of the AED as well.<sup>2</sup>

The following medications are included in the 1994 EMT-B curriculum:

- Oral glucose
- Metered dose inhalers
- Oxygen
- Epinephrine autoinjector
- Oral nitroglycerin
- Activated charcoal

In addition to the above, TDH has included the following medications:

- Aspirin<sup>3</sup>
- Aerosolized bronchodilator treatments (nebulizer)

 **EMS Fact:** Ambulance Services in U.S. —33,400 (includes EMS agencies, profit and non-profit, private and public, from 1995 census)



The following is a brief summary of those medications utilized by the EMT-B, noting their specific indications, contraindications, doses and side effects:

### Oral Glucose

#### Indications

1. Altered mental status secondary to low blood sugar
2. History of diabetes that may or may not be controlled by medication
3. Ability of rescuer to protect airway

#### Contraindications

1. Unresponsive patients should not be given oral medications
2. Inability to protect airway

#### Dose

25 grams orally; repeat as needed

#### Side effects

Possible hyperglycemia

### Metered Dose Inhalers (Aerosolized treatments)

#### Indication

1. Difficulty breathing

#### Contraindications

1. Allergy to drug
2. Not responsive to use of inhaler
3. Patient has already exceeded maximum allowed dose prior to EMS' arrival

#### Dose

Two to three deep inhalations every four hours

#### Side effects

Tremors, palpitations, elevated blood pressure, elevated heart rate, nervousness, dry mouth, nausea and/or vomiting

### Oxygen

#### Indications

1. Difficulty breathing
2. Increased respiratory effort
3. Altered level of consciousness or other neurological signs
4. Signs and symptoms of shock (hypotension)
5. Actual or suspected hemorrhage
6. Chest pain
7. Chest trauma
8. Any situation in which you suspect an oxygen-deficient environment (closed, burning room, etc.)

#### Contraindication

None

#### Dose

2 - 15 l/m via select devices

#### Side effects

Potential decreased respiratory drive in COPD patients

### Epinephrine Autoinjector

#### Indication

1. Severe allergic reaction including respiratory distress or shock

#### Contraindication

None with severe allergic reactions

#### Dose

Adult: 0.3 mg via autoinjector  
Pediatric: 0.15 mg via autoinjector

#### Side effects

Increased heart rate, elevated blood pressure, tremors, dizziness, pale skin, headache, nausea and/or vomiting, excitability and anxiousness



## Oral Nitroglycerin

### Indication

1. Chest pain

### Contraindication

1. Systolic blood pressure less than 100 mmHg

### Dose

One tablet given sublingual (or one spray) every five minutes not to exceed three doses in fifteen minutes

### Side effects

Headache, hypotension, and increased heart rate

## Activated Charcoal

### Indication

1. Ingested poisons

### Contraindications

1. Inability to swallow
2. Altered mental status
3. Ingestion of strong acids or alkalis

### Dose

1 gm/kg, usually 25 - 50 grams for an adult and 12.5 - 25 grams for pediatric patients

### Side effects

Tarry stools, constipation

## Aspirin

### Indication

1. Non-traumatic chest pain

### Contraindications

1. Active ulcer disease (relative)
2. Asthma (relative)
3. Hypersensitivity to aspirin

### Dose

Adult: 160 - 325 mg, chew and swallow


### Side effects

Vomiting, GI bleeding and rash

Another important component of the medication administration is the EMT-B's ability to recognize the need for a complete patient assessment once treatment has been instituted. The reassessment will note improvements in the patient's condition as well as alert the EMT-B of any evolving side effects from the medication administered.

## Conclusion

As an EMT-B, you recognize the likelihood that the inhaler on the night stand belongs to the patient. Following established protocols approved by your service's medical director, you verify that the inhaler belongs to the patient while shaking the medication to mix the fine powder within the canister. You instruct her, once you remove the nonrebreather mask, to breathe out deeply and then place the inhaler in her mouth and depress the actuator when she inhales in order for the medicine to be absorbed into her lungs. You encourage her to hold the medicine as long as she can and then replace the nonrebreather mask and record the time of administration. During your reassessment of the patient, the transport ambulance arrives. Your patient now can speak in near-complete sentences and appears to be breathing without as much effort as when you arrived.

As the industry of prehospital care becomes more sophisticated, so must the EMT become more knowledgeable of new skills and proven treatments. With the addition of new skills and treatments comes a greater accountability for both the provider and the medical director. Understanding the basics of pharmacology and concepts of medication administration helps build the foundation for a sound prehospital practice. 

#### References:

<sup>1</sup>National Emergency Medical Services Education and Practice Blueprint, September 1993, p.20


<sup>2</sup>National Emergency Medical Services Education and Practice Blueprint, September 1993, p.9

<sup>3</sup>Texas Department of Health, Bureau of Emergency Management Emergency Medical Services Rules, 1996, § 157.33. Emergency Medical Technician Training, p. 35





1. An EMT-B may administer aspirin in which of the following patient complaints:
  - A. Low blood sugar
  - B. High blood pressure
  - C. Dizziness
  - D. Non-traumatic chest pain
2. Routes of drug administration approved for use by the EMT-B include all of the following **except**:
  - A. Sublingual
  - B. Intramuscular
  - C. Intravenous
  - D. Oral
3. When preparing to administer a medication to a patient, the EMT-B is reminded of the patient's "rights." They include all of the following **except**:
  - A. The right route
  - B. The right medication
  - C. The right dose
  - D. The Miranda rights
4. Medical direction is an option when dealing with medication administration by the EMT-B.
  - A. True
  - B. False
5. A side effect in the use of metered dose inhalers includes all of the following **except**:
  - A. Drooling
  - B. Tremors
  - C. Palpitations
  - D. Hypertension
6. Activated charcoal should be utilized with patients who are:
  - A. Unconscious from ingested poisons
  - B. Unconscious from inhaled poisons
  - C. Conscious with ingested poisons
  - D. Conscious with inhaled poisons
7. Indications are signs and symptoms in which a medication should be **not** be used.
  - A. True
  - B. False
8. Glucose administration by the EMT-B is accomplished via which route?
  - A. Intramuscular
  - B. Inhalation
  - C. Oral
  - D. Sublingual
9. An EMT-B can administer another patient's medication to a different patient based on the receiving patient's assurance of previous use of the same medication.
  - A. True
  - B. False
10. A medication administered by the EMT-B which is delivered as a fine mist or gas is:
  - A. Activated charcoal
  - B. Oxygen
  - C. Metered dose inhalers
  - D. Epinephrine autoinjectors
11. When conversing directly with a physician regarding the administration of a medication, the EMT-B is utilizing \_\_\_\_\_ medical control.
  - A. On-line
  - B. Off-line
  - C. Select
  - D. Non-select
12. Conscious patients who exhibit signs of altered mentation may receive which of the following medications?
  - A. Oxygen, activated charcoal
  - B. Oral nitroglycerin, oxygen
  - C. Metered dose inhaler, oxygen
  - D. Oral glucose, oxygen
13. Generic medications are those listed in the:
  - A. *Physicians Desk Reference*
  - B. *U.S. Pharmacopeia*
  - C. OSHA Guidelines
  - D. Federal Trade Commission Guidelines
14. Proventil® is a trade name for which drug:
  - A. Oral glucose
  - B. Nitroglycerin
  - C. Ventolin®
  - D. Albuterol
15. A contraindication for the use of aspirin includes:
  - A. Renal disease
  - B. Anemia
  - C. Hepatic disease
  - D. None of the above

 **EMS Fact:**  
 Emergency Medical Technicians in U.S.  
 (approx.) —600,000





This answer sheet must be postmarked by October 31, 1997

CE Answer Sheet #10 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?**



## 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.

# 1997 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 |

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.

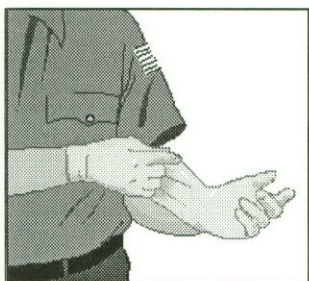
**Nominations must be postmarked by October 1, 1997.**

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 '97 during the Awards Luncheon on November 25, 1997.







By Penny Workman

## Latex allergies grow more common as latex use increases

A young boy from San Antonio is in greater danger if he is transported to a hospital in an ambulance than if his own mother drives him. Why? Because he is highly allergic to latex.

Latex, one of the most commonly used products today, can be found in anything containing rubber. Toys, tires, pacifiers, balloons, bandages, medical tape, garden hoses, carpets and socks are just some of the common items containing latex. Over the past two decades, the number of cases of latex allergies has increased significantly in the United States, and certain individuals are at a higher risk of having or developing latex allergies. Many believe that the reason for this dramatic increase is due to the prevalence of latex in our everyday lives and the introduction of the Occupational Safety and Health Administration (OSHA) universal precautions in the 1980s.

The first case of a latex allergy was reported in 1979. By 1994, a study found that six percent of the general population, or 18 million Americans, have an allergic sensitivity to latex. But these percentages increase dramatically for high-risk individuals. Individuals considered high-risk for latex allergies include children with spina bifida and other conditions involving multiple surgical procedures, and anyone with frequent exposure to latex products, especially health care workers. About 17 percent of health care workers are at risk because of their constant exposure to latex-containing medical supplies, such as latex gloves. And as many as 40 percent of children with spina bifida are allergic to latex. Also, any patient with a history of unexplained intra-operative

anaphylaxis should be suspected of having a latex allergy.

There are two types of latex allergies: Type I and Type IV. Type I, the most serious, can include symptoms as severe as shortness of breath, dizziness, fainting, nausea, diarrhea, shock and respiratory arrest. Type IV is more localized, causing a skin rash, itching, hives, tears, burning eyes and swelling of skin, lips and tongue. In most cases, people develop Type IV symptoms first and as the allergy becomes more severe, their symptoms progress to Type I symptoms.

Epinephrine is used to prevent and treat shock during a latex allergic reaction. But the best treatment for a latex allergy is avoidance. Health care providers should wear a non-latex glove over a latex glove when treating a latex-sensitive patient. ("Hypoallergenic" gloves are made from latex and therefore should not be used to handle latex-allergic patients.) Any medical equipment containing latex, such as IV tubing, should not be used. If the health care provider is allergic to latex, triple-gloving, or wearing a non-latex glove over and under the latex glove, should be used to prevent reactions.

While some would rather just stop wearing latex gloves, experts agree that latex gloves are still the most durable, effective barrier to protect against HIV. Vinyl gloves lose their barrier effectiveness within 15 minutes of being placed on the hands, while latex gloves maintain their barrier for significantly longer time periods. Latex gloves can also stretch up to five times their original length without tearing and are thin enough to not interfere with the sensi-


Other web sites with latex allergy information:  
<http://www.fda.gov/bbs/topics/CONSUMER/CON00165.html>

<http://allergy.mcg.edu/physicians/ltxhome.html>

<http://www.mercydesmoines.org/health/articles/latex.htm>

<http://mediswww.cwru.edu/dept/anesth/lair/latex/path.htm>

<http://www.dhhs.gov>  
<http://www.latex.org>



 **EMS Fact:** Number of heart attacks (1996) in U.S. —1.5 million



tivity and fine manual dexterity required in medical procedures.

Testing for latex allergies means a skin-prick test and laboratory analysis of a blood sample. But the accuracy of these tests is in question because the FDA has not approved standards for latex allergy testing. Researchers do agree that people shouldn't try to test their own allergy to latex by doing something such as blowing up a balloon, as fatal reactions have happened in individuals who had no history of latex allergies. If you believe you have a latex allergy, you should contact your doctor.

The 1998 National Latex Allergy Conference will be held in San Antonio on February 20-22. More information about the conference can be found at <http://www.execpc.com/~alert/news.html>.

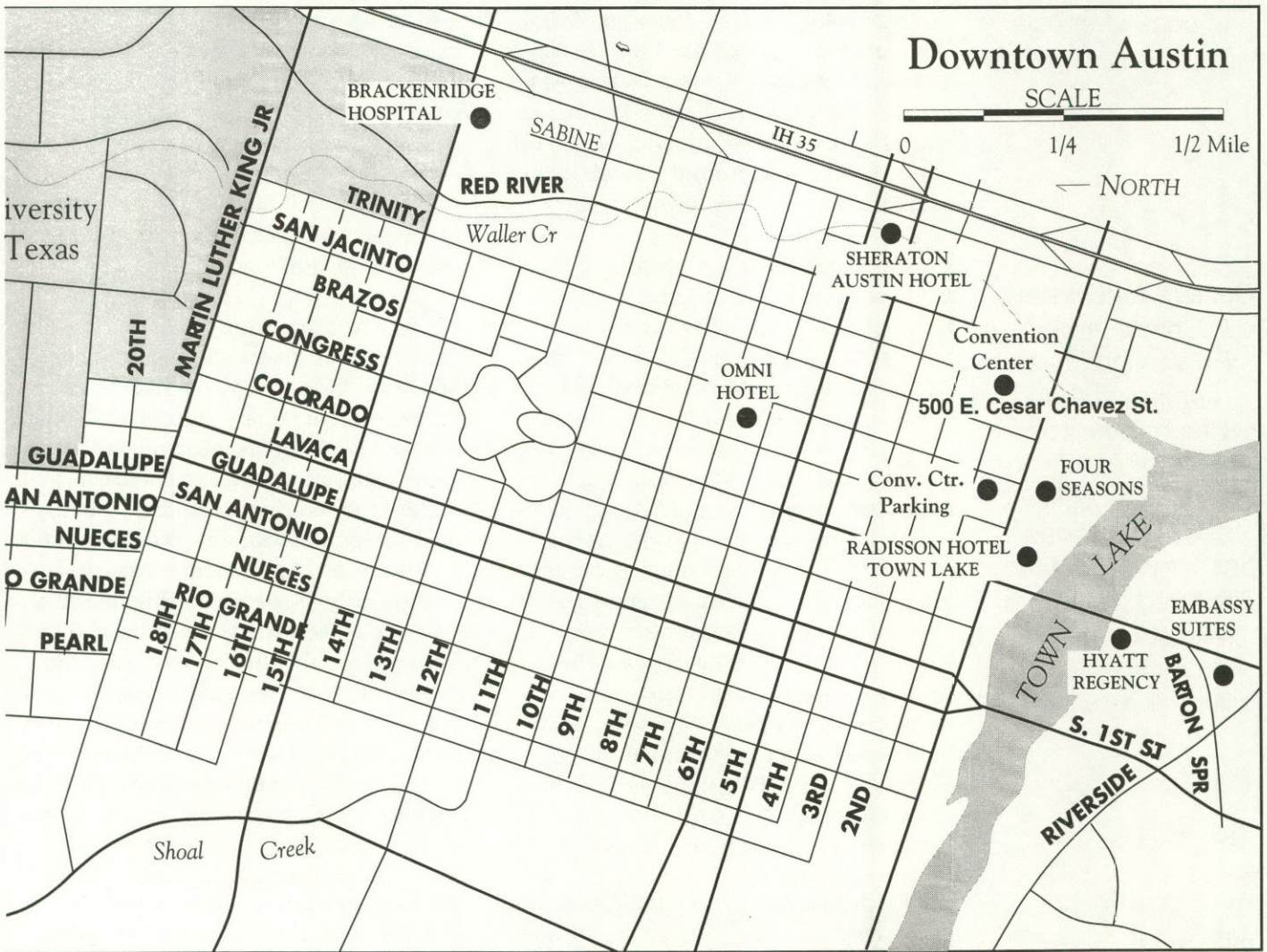



## Golf Tournament

*Texas EMS Conference '97  
golf tournament*

*For information about Texas  
EMS Conference '97 golf tour-  
nament, call Brian Dunkle at  
(512) 280-2692 or e-mail him at  
b911d@flash.net*

Texas EMS Conference '97 Map of Austin





Outbreaks of hepatitis B (HBV) in Ohio and New York were traced to use of spring-loaded fingerstick devices used on multiple patients. Transmission may have occurred because of dried, contaminated blood that remained on the pens after use.

Centers for Disease Control and Prevention have confirmed that *Staphylococcus aureus*, the leading cause of hospital-related infections, has for the first time defended itself from the last remaining drug capable of killing all its strains.

Does your service use spring-loaded fingerstick devices? In 1996, outbreaks of hepatitis B (HBV) in Ohio and New York were traced to use of the devices on multiple patients. Transmission may have occurred because of dried, contaminated blood that remained on the pens after use. The Centers for Disease Control and Prevention reports that both outbreaks were associated with use of fingerstick devices with a pen-like design, consisting of both reusable and disposable parts. Researchers recommend carefully following manufacturer's recommendations for cleaning and replacing parts between each use.

From *Journal of the American Medical Association*, 277 (14): 1106-1107. "Nosocomial Hepatitis B Virus Infection Associated With Reusable Fingerstick Blood Sampling Devices—Ohio and New York City, 1996," Leads from the Morbidity and Mortality Weekly Report.

Every year there are roughly 10,000 new spinal cord injuries in the U.S., and about 200,000 Americans have trauma-induced spinal cord injuries, according to the National Spinal Cord Injury Statistical Center. But the share of spinal cord injuries caused by violence has more than doubled in recent years, from 13.3 percent in 1978 to nearly 30 percent in 1994. More than half of all spinal cord injuries among Hispanics and nearly half among African Americans now are caused by violence—usually street violence. The leading cause of spinal cord injuries among whites is vehicle crashes. The Statistical Center reports that about \$1.8 billion is spent annually on violence-related spinal cord injuries, and Medicaid picks up about 25 percent of that.

From TDH's News Clips, *Austin American-Statesman*, "Severe spinal inju-

ries a street war byproduct," by Marcus Franklin, June 22, 1997.

Common bacterium that is the leading cause of hospital-related infections appears to be on the brink of becoming an unstoppable germ. Scientists at the Centers for Disease Control and Prevention have confirmed that *Staphylococcus aureus*, better known as staph infection, has for the first time defended itself from the last remaining drug capable of killing all its strains. Widespread, unstoppable infection has not been a threat since penicillin was introduced in the 1940s. The new discovery was made after an infant developed a moderate infection even after treatment with vancomycin, a powerful antibiotic considered the last line of defense for some unusually stubborn strains of staph and other bacteria.

From TDH's News Clips, *Dallas Morning News*, "Staph germ may become unstoppable, experts fear," by Laura Beil, May 28, 1997.

They're a fixture in every office: men who interrupt and compete for attention in every conversation. Now researchers have found that men who are "socially dominant"—read pushy—are 60 percent more likely than milder-mannered men to die from heart attacks, stroke and other conditions such as high blood pressure. Until this study, Type A personality behavior and hostility have been the major personality traits associated with adverse health. The new study suggests that social dominance by itself is also a risk factor. Socially dominant men are more likely to experience feelings of frustration, stress, tension and hostility, which puts them at a higher risk for heart attack. Women who are socially dominant may be at less health risk than the men because dominance is



acted on differently by men and women. According to researchers, dominance for men means getting ahead of other people, while for women, dominance means gathering support and collaborating.

From TDH's News Clips, *Austin American-Statesman*, "Pushy men put health at risk, researchers say," by Bill Hendrick, June 3, 1997.

New cases of syphilis in the United States fell during 1996 to their lowest rate in 40 years, a decline that health officials said could make it possible to eliminate the sexually transmitted disease from this country in the near future. Untreated, the disease can cause paralysis and death. New cases were heavily concentrated in a few dozen cities and counties, primarily in the South. Baltimore County, Maryland, with 629 new infections, reported the most number of cases. At the same time, 73 percent of U.S. counties reported no new cases. People with syphilis are more likely than others to become infected with HIV, and more likely to transmit HIV if they also have active syphilis. The recent decline is partly because of the cyclical nature of the disease and partly because of more aggressive treatment efforts by state and local health officials. Syphilis is curable with penicillin.

From TDH's News Clips, *Houston Chronicle*, "Decline in syphilis cases may mean disease can be eliminated in the U.S.," by Susan Okie, May 26, 1997.

Levels of blood sugar that have long been accepted as normal are actually too high and should be considered a sign of diabetes, according to new guidelines issued by the American Diabetes Association. The guidelines call for testing all healthy people age 45 and older—about 77 million Americans—every three years, and are expected to lead to the detection of two million new cases of the disease. By testing earlier and more often in people at high risk, researchers hope that earli-

er detection could improve treatment and prevent complications such as cardiovascular disease and blindness. People at higher risk include those who are black, Hispanic, American Indian or obese, or those closely related to someone with diabetes.

From TDH's News Clips, *The New York Times*, "Newer Guidelines Redefine Diabetes in Broader Terms," by Denise Grady, June 24, 1997.

Although many workplaces teach first aid, there is no standardization in the courses, and few guidelines on what to teach. A group is working to change that by writing national Guidelines for First Aid Training in Occupational Settings. The mission is to create a blueprint that will identify the minimum cognitive, emotional and skills training that will make a workplace non-EMS-certified first responder competent to provide care. The group, which includes representatives from the Center for Emergency Management, NAEMSP and training agencies, has consulted the U.S. Department of Transportation's EMS curricula. To add your input, go to <http://www.dot.gov/dotinfo/uscg>, then click on Marine Safety and Environmental Protection under Services and Programs. Click on Publications; the draft is located under Studies of Interest.

From *Occupational Health and Safety*, "A New First Aid Training Curriculum," by Larry M. Starr, April 1997.

Heads were turning in Clearwater, Florida, in June when people spotted a car apparently being driven by a three-foot-long lizard, his claws clenched around the wheel. Two police officers followed the car for a couple of miles until it pulled over. The lizard's owner, who was slouched down in the seat, was arrested for drunken driving. Finley, the lizard, was taken to an animal shelter.

From CNN Interactive, "Iguana takes the wheel for man charged with DUI," <http://www.cnn.com>, June 13, 1997.

About 200,000 Americans have trauma-induced spinal cord injuries, according to the National Spinal Cord Injury Statistical Center. About \$1.8 billion is spent annually on violence-related spinal cord injuries.

New cases of syphilis in the United States fell during 1996 to their lowest rate in 40 years—a decline that health officials said could make it possible to eliminate the sexually transmitted disease from this country in the near future.



# Two-year continuing education Emergency Suspensions

The following is a list of EMS personnel with certification expiration dates of 2/99 and 3/99, 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*.

A list of Two-Year Continuing Education Emergency Suspensions is available on internet at: <http://www.tdh.state.tx.us/hcqs/ems/certqry1.htm>. This list is comprehensive and routinely updated.

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.*

## Emergency Suspensions

19241	MISTY	ABBOTT	PORT NECHES	EMT
41865	CYNDI	ABELL	AUSTIN	EMT
5446	LOUIS	ABELLA	HOUSTON	EMT
58433	COLLEEN	ACOSTA	EL PASO	EMT
23700	IDA	ACOSTA	IRVING	ECA
58711	LEILA	ADAMS	LOUISVILLE	EMT
57526	ROBERT	ADAMS	ARLINGTON	ECA
59089	RUSSELL	ADAMS	HOUSTON	ECA
59297	JUSTIN	ADAMSEN	SAN ANTONIO	ECA
58678	MAHMUD	AFDILA	IRVING	EMT
41164	CAROLYN	ALANIZ	BELLVILLE	EMT
52077	CLINTON	ALBERTHAL	AUSTIN	ECA
33433	MARTIN	ALCANTAR	FT WORTH	EMT-P
18798	JEANA	ALDRIDGE	GARLAND	EMT-P
3372	TINA	ALDRIDGE	EULESS	ECA
37788	BETTY	ALEXANDER	NACOGDOCHES	EMT-P
59101	BRENT	ALLEN	BALLINGER	ECA
7320	ROBERT	ALLEY	KINGWOOD	EMT
48959	DAVID	ALLOWAY	TERLINGUA	EMT
14446	ADAN	ALVARADO	KNIPPA	ECA
37299	FERNANDO	ALVARADO	LINDALE	EMT
59261	CARLOS	ALVAREZ	LAREDO	EMT
25691	BARBARA	ANDERSON	SANTA FE	EMT
58643	DELTA	ANDERSON	FORT THOMPSON	EMT
50159	JIMMY	ANDERSON	HITCHCOCK	ECA
41083	LAURA	ANDERSON	FORT STOCKTON	EMT-P
33586	VERSIE	ANDERSON	TYLER	EMT
58869	JOSHUA	AVERY	STREETMAN	EMT
46467	WALTER	AYNESWORTH	TROUP	ECA
24566	CHRIS	BADGETT	SONORA	ECA
58722	HOLLY	BAILEY	RICHARDSON	EMT
18674	JAMES	BAILEY	ARLINGTON	EMT
33976	EVELYN	BAKER	GARRISON	ECA
45631	JAMES	BAKER	GARRISON	ECA
29697	JOHN	BAKER	FREEPORT	ECA
58503	LEANN	BAKER	NEVADA	EMT
58580	JON	BALLARD	BRYAN	EMT
30848	RODNEY	BALLARD	HOUSTON	EMT-P
6797	THOMAS	BANNISTER IV	ARLINGTON	EMT
38186	WILLIAM	BARBEE	KENNESAW	EMT
17672	BENJAMIN	BARBRO	MIDLOTHIAN	EMT
10554	JOHN	BARRIER	GARLAND	EMT
26827	KAREN	BARROW	ANGLETON	EMT-I
16158	JOHNNY	BASS	BURNET	EMT
58829	VICTOR	BASTO	SOUTH HOUSTON	EMT
42679	HENRY	BAUGH JR	BUCKHOLTS	EMT
13733	RUSSELL	BEAR	LEAGUE CITY	EMT-I
36782	DAN	BEARD	AUSTIN	EMT
32226	MARK	BECKER	CHEEK	ECA
17187	MAURICE	BEEBE	WINNIE	EMT
22383	GARY	BESINGER	ARCHER CITY	EMT-I
29289	DAVID	BEHLEN	COLUMBUS	EMT
14800	JASON	BELL	FREEPORT	EMT
22076	CAROL	BENNETT	POINT BLANK	ECA
56267	WILLIAM	BENNETT	CROSBYTON	EMT
18092	THOMAS	BEST	BUNA	ECA
58836	GAY	BETTS	BORGER	EMT
14442	ROBERT	BIBLE	COPPERAS COVE	EMT
29806	JERALD	BICE	DEER PARK	ECA
54868	JANA	BIGGS	VAN HORN	EMT
2559	HUGH	BILLINGS	DEER PARK	EMT-I
58947	SANDRA	BIRD	SIERRA BLANCA	EMT
8728	MELISSA	BLACK	ALBANY	EMT
19602	BETTY	BLACKARD	HORSESHOE BAY	EMT-P
55137	LINDA	BLACKSTOCK	TERLINGUA	EMT
24655	KELLY	BLADES	BRECKENRIDGE	EMT
13	HARALD	BLAKESLEE	HUMBLE	EMT-P
38404	JEREMY	BLAYLOCK	MINEOLA	EMT

### Corrections:

The suspensions list in the May/June issue should **not** have included:

Robert Cybert, Lorenzo, Texas.



# Emergency Suspensions

42713	CHARLES	BLEVINS	FORT WORTH	EMT-I	26976	JAMES	COX	WHITEFACE	ECA
58568	LINDA	BLONDIN	HORSESHOE BAY	EMT	58537	RICHARD	COX	EL PASO	EMT
32263	MILES	BOADLE	BIG SPRING	EMT	12144	SHERRY	COY	BALLINGER	EMT
41339	KENNETH	BOLES	HOUSTON	EMT	41179	MARY	COZAD	EL PASO	EMT
19657	TOM	BOMER	UTOPIA	EMT	27808	VINCENT	CRABB	ARLINGTON	EMT
3257	LOUIS	BONNER	KATY	ECA	13851	CHARLES	CRABTREE	SAN ANGELO	EMT
58899	FAIRY	BOOTHE	ARLINGTON	EMT	17104	RICHARD	CRANDALL JR	DEER PARK	ECA
38779	ANDREW	BOSS	ALLEN	EMT	59355	LORI	CRAVEN	ROUND ROCK	EMT
7418	WANDA	BOSSIER	BRIDGE CITY	EMT-I	33965	KENNETH	CRAWFORD	VIDOR	EMT-P
59433	DEBBIE	BOTHE	SANTA FE	EMT	59185	NANCY	CRICE	DEWEYVILLE	EMT
37745	DARREN	BOULLION	BRIDGE CITY	ECA	59145	GERALD	CRICE JR	OKLAHOMA CITY	EMT
58495	RONALD	BOWMAN	WYLIE	EMT	7493	MIKE	CRIPPIN	SHREVEPORT	EMT-P
59602	STEVEN	BRADBURY	SAN ANTONIO	EMT	29622	JIM	CROWLEY	ARCHER CITY	EMT-I
58602	JOHN	BRADY	CISCO	EMT	58195	CHRISTOPHER	CRUMPTON	FORT WORTH	EMT
59374	JOHN	BRAHM	CONVERSE	ECA	45132	ANASTACIO	CRUZ	SAN MARCOS	EMT
58603	MICHAEL	BRAKE	SAN ANGELO	ECA	34502	DENNIS	CUDE	DEER PARK	ECA
13416	ANITA	BRAUNSTEIN	SAN ANGELO	EMT	58606	GEORGE	CUDE	SAN ANGELO	ECA
57601	PAUL	BRAZIEL	LUBBOCK	EMT	38996	PATRICIA	CUEVAS	VAN HORN	EMT
36750	DEXTER	BRITT	HOUSTON	EMT	19667	CYNTHIA	CUNNINGHAM	VICTORIA	EMT-P
44538	JERRY	BROCK	AMARILLO	EMT-P	35557	SANDRA	CURTISS	BELTON	EMT
58940	LISA	BROCK	KELLER	ECA	26978	TIMOTHY	DABNEY	STEPHENVILLE	EMT
17669	TOMMY	BROCKWAY	TERRELL	EMT-P	29810	REBECCA	DALBY	DEER PARK	EMT
41519	GARY	BROOKS	ORANGE	ECA	11554	TUSHAR	DANDADE	EL PASO	EMT-P
32389	JAMES	BROOM	ORANGE	ECA	53958	BARBARA	DANIELL	CANTON	EMT
42512	CASSIE	BROWN	AUSTIN	EMT	27522	JOHN	DAVIDSON	DEER PARK	EMT
13424	CYNDY	BROWNE	STERLING CITY	EMT-I	17253	CLVIN	DAVIS	BAYTOWN	ECA
45777	STEPHEN	BROWNFIELD	CEDAR HILL	EMT-P	31765	CALIFFORD	DAVIS	BEAUMONT	ECA
24457	BOBBIE	BROWNLOW	ODONNELL	EMT-I	55261	JENIFER	DAVIS	MATADOR	EMT
17179	JULIE	BRUMLEY	WHITEHOUSE	EMT-P	30336	ALBERT	DE LA GARZA	SAN ANTONIO	EMT
42821	SHIRLEY	BRYAN	DELEON	ECA	12505	HUGH	DEAN	TUSCOLA	EMT
58650	KELLY	BRYANT	SHERMAN	EMT	24283	PETER	DEFORREST	SEADRIFT	EMT
35635	WILLIAM	BULLOCK	CROCKETT	EMT-I	45860	HAROLD	DEHART	SAN ANTONIO	EMT
16023	JAMES	BURKHART	ALVIN	EMT	58702	ROBERT	DELANGE	DONNA	ECA
37291	BOBBY	BURKS JR	QUINLAN	EMT	12109	CODY	DELMERE	EULESS	EMT
20848	RANDALL	BURLESON	DALLAS	EMT	59194	JON	DELSNYDER	SAN ANTONIO	EMT
58531	TERRY	BURNS	BUFFALO GAP	ECA	58415	RANDY	DENSMORE	ARLINGTON	EMT
3835	EDWARD	BURR	LAKE JACKSON	ECA	30395	EDWARD	DERAMUS	BRADY	EMT
29661	WILLIAM	BURTON	FORT WORTH	EMT	5949	ANGELA	DESCHNER	GREENSBORO	EMT-I
59350	RAYMOND	BUSH	MESQUITE	EMT	58938	JORGE	DIAZ	EL PASO	EMT
13819	MICHAEL	BUTLER	DEER PARK	ECA	55747	CARL	DICK	EL PASO	EMT-P
44631	MICHAEL	CADE	CLINT	EMT	43267	BRIAN	DICKERSON	BRYAN	EMT-I
58769	TERRE	CAGLE	NACOGDOCHES	EMT-I	57898	CHUONG	DINH	BELLAIRE	EMT-P
32976	TOBY	CALLAHAN	MEMPHIS	EMT-I	36189	DEBORAH	DITTMAN	BAYTOWN	ECA
13954	CALVERT	CAMPBELL	SONORA	ECA	8465	JOHN	DITTMAN	ROUND ROCK	EMT
59020	MARK	CAMPBELL	BRECKENRIDGE	ECA	3371	PAUL	DOCIS	LEAGUE CITY	EMT-I
42297	LUIS	CANALES	LAREDO	EMT-P	6235	DAMON	DOHERTY	HOUSTON	EMT
58821	HECTER	CANTU	MISSION	ECA	47658	ANGELA	DOUCET	GARRISON	ECA
55521	BRET	CARR	CORPUS CHRISTI	EMT-P	22925	GREGORY	DOUCET	GARRISON	ECA
28995	DANNY	CARRANZA	CORPUS CHRISTI	EMT	58868	JEFFREY	DOUGHTY	KELLER	ECA
22124	WILLIAM	CARRAWAY JR	WEBSTER	ECA	58937	JEANNE	DOUGLAS	KERRVILLE	EMT
58626	ADRIAN	CARRIER	AUSTIN	EMT	31421	MELLISSA	DREISS	MT HOME	EMT
24369	JASON	CARROLL	MIDLAND	EMT	56013	GARY	DRESNER	ELDORADO	EMT
37677	ROBERT	CASON	GARLAND	EMT	58910	JAMES	DUGGER JR	ROCKWALL	EMT
59180	KOYNE	CASSADY	LEWISVILLE	EMT	53957	BRIAN	DUNKLE	AUSTIN	EMT-P
13151	GEORGE	CASTANEDA	HOUSTON	ECA	33495	WILLIAM	DURFOR	AUSTIN	ECA
58822	GUADALUPE	CASTILLO	DONNA	ECA	7602	JOHN	DURHAM	BELTON	EMT
12257	JAIME	CASTILLO	SAN JUAN	EMT-I	782	STARR	EADY	DALLAS	EMT
5212	JUAN	CASTILLO	LAREDO	EMT-P	58536	MARTIN	EARLS	GARLAND	EMT
107	RUSSELL	CAUDILL	MARION	EMT	59339	MICHAEL	EASTES	ROYSE CITY	EMT
59174	GILBERT	CAUDILLO	CLINT	EMT	41000	KASEY	EASTON	SPRING	EMT
58577	NICHOLAS	CHANDLER	AUSTIN	EMT	11948	CHARLES	EAVES JR	ORANGE	ECA
58371	JON	CHAPA	MAGNOLIA	EMT	20388	DEBRA	EDMISTON	ELDORADO	EMT
31268	DOBORAH	CHAPLIN	LAKE JACKSON	EMT	30719	DAVID	EDWARDS	LEONARD	EMT-P
58891	JIMMY	CHAPMAN	BALLINGER	ECA	54186	LARRY	EICHNER	MARBLEFALLS	ECA
45728	MICHAEL	CHAPMAN	CISCO	EMT-I	4609	LUCKY	EICHNER	MARBLE FALLS	ECA
13828	DAVID	CHILDERS	HOUSTON	EMT	58911	DAVID	ELDER	CLEBURNE	EMT
11686	CARL	CHISM	VEGA	EMT	9551	DON	ELLIOTT	DEER PARK	ECA
59274	JEFFERY	CHITSEY	MT VERNON	EMT	13809	JAMIE	ELLIOTT	DINERO	ECA
48608	CYNTHIA	CLANTON	FT WORTH	ECA	11185	SANDRA	ELLIS	LAKE JACKSON	ECA
58860	BRIAN	CLARK	BEDFORD	EMT	21769	ROBERT	ELTON	GROVES	ECA
43596	JOHN	CLARK	DAYTON	ECA	9469	RICHARD	ENGLE	KINGWOOD	EMT
44518	MONICA	CLARK	LA PORTE	ECA	12597	LESLIE	ENTREKIN	CEDAR PARK	EMT
58607	SHANNON	CLAWSON	MT VERNON	EMT	33191	MICHELLE	ERDLEY	SPRING	EMT-I
38376	MARY	COBO	AUSTIN	EMT	34760	DAVID	ERWIN	NAVASOTA	EMT-P
18474	JAMES	COLE	LONGVIEW	EMT	23008	MICHAEL	ESCOBEDO	DEER PARK	ECA
37268	KEITH	COLEMAN	GARLAND	EMT	17463	ROEL	ESPARZA	LAREDO	EMT-P
30217	LESLIE	COLQUITT	PT LAVACA	ECA	56950	ELIZABETH	ESPINOZA	COLUMBUS	EMT
23011	JOSEPH	CONDON II	BEAUMONT	ECA	4748	MARCIA	ESTES	AUSTIN	EMT
11927	WILLIAM	CONNER	HOUSTON	EMT	57540	CORINA	ESTRADA	PLAINS	EMT-I
42131	KAREN	CONWAY	TUSCOLA	EMT	59116	MICHELE	EUBANK	WATAUGA	EMT
58572	ROBERT	COOK	EUSTACE	EMT	57146	GREGORY	EVANS	MT PLEASANT	EMT
58798	BOBBY	COOK JR	HURST	EMT	18031	GARY	FARGE	HOUSTON	EMT
55777	NATHANIEL	COOLEY	POTTSBORO	EMT-P	23622	VERNON	FENNER JR	HOBBSON	EMT
1702	TERRY	COOPER	HOUSTON	EMT-P	58376	JOSEPHINE	FIEDLER	TERLINGUA	EMT
39533	THOMAS	COOPER II	NACOGDOCHES	ECA	40298	LUTHER	FIELD	AUSTIN	ECA
39258	DON	COOPER JR	CHINA SPRING	EMT	43626	MICHAEL	FINCKE	BOERNE	EMT
20546	BENNIE	COPE	GOLDSMITH	EMT	11975	DESIREE	FISCHER	DICKINSON	EMT
10170	ELVIRA	CORBELLO	DENISON	EMT	608	RICHARD	FISCHER	MISSION	EMT
53907	THOMAS	CORBELLO	DENISON	EMT	58356	CHRISTIE	FISHER	BRYAN	EMT
50054	JUDITH	CORBETT	DENISON	EMT	24979	DONNA	FISHER	BRYAN	EMT
45162	CHARLES	CORKILL	KERRVILLE	EMT	58557	JAMES	FISHER	HUFFMAN	EMT
38805	CRAIG	CORMIER	HOUSTON	EMT-I	34011	TIMOTHY	FLOCKE	BEAUMONT	EMT
11432	TAG	CORNELLUS	DUMAS	EMT-I	58810	MARCIA	FLORES	HEREFORD	EMT
54090	GARY	CORNETT	LONGVIEW	EMT	30130	NOE	FLORES	SAN ANGELO	EMT-P
3263	JAMES	COX	EL PASO	EMT-P	58708	ALEJANDRO	FLORES JR	MISSION	ECA



# Emergency Suspensions

58430	BRANDON	FLOWERS	GARLAND	EMT	50500	BEN	HOLLIDAY	DEER PARK	ECA
22164	UDO	FOREMAN	AUSTIN	EMT	442	THOMAS	HOLMAN	BIG SPRING	EMT
58609	TIMOTHY	FORNASH	BENBROOK	EMT	25225	STEPHEN	HONKOMP	SCOTLAND	EMT-I
59334	BILLY	FOSTER	SULPHUR SPRINGS	EMT	58425	KAREN	HOOKS	AUSTIN	EMT
55353	ELANE	FRANCIS	ROBERT LEE	EMT-I	16913	MARY	HORNISH	VICTORIA	EMT
18061	MAUREEN	FRANZETTI	AUSTIN	EMT	58849	JODIE	HORTON	GRAPEVINE	EMT
58721	MONTEREY	FREEMAN	MANSFIELD	EMT	14847	BRENDA	HOUC	AUSTIN	EMT
58760	SUZETTE	FREEMAN	PORT ARANSAS	EMT	50968	JOHN	HOUSER	CANTON	EMT-P
1955	JOHN	FUENTES	LAREDO	EMT-P	21346	RUSSELL	HOWE	HOUSTON	EMT
36606	DARRYL	FULBRIGHT	IRVING	EMT	58048	LORIE	HOWELL	FREPORT	EMT
55140	GALE	FULTE	LOS CRUCES	EMT	30371	ASHLEY	HOWINGTON	HARPER	EMT-P
59113	ANITA	GAGE	BIG SANDY	EMT	40625	JACQUELINE	HUDGINS	ROANOKE	EMT
28497	SHEILA	GAHAN	QUEEN CITY	EMT	30984	LISA	HUNTER-RYDEN	AUSTIN	EMT
58804	GERALD	GAMMEL	PASADENA	EMT	23971	MARK	HURD	JONESTOWN	EMT
13032	ERNEST	GANT	COUPLAND	EMT	30795	TRACEY	HUWAR	NACOGDOCHES	EMT-P
58835	JOSE	GARCIA	LAREDO	EMT	24233	BRANCE	IRBY	CANTON	EMT
17257	RONDA	GARCIA	VAN HORN	EMT	45238	JOE	ISHAM	STINNETT	EMT-P
58782	TOMAS	GARCIA JR	LAREDO	EMT	58527	GEROGE	JADLOSKI	PETROLIA	ECA
39128	TERENCE	GARDNER	HOUSTON	EMT	38466	FRANK	JAKUBIK	TROUP	EMT
23823	GARY	GARDNER	BROOKELAND	EMT	18750	GILBERT	JAMES	NEEDVILLE	ECA
15040	LISA	GARDNER	PLANO	EMT-P	58661	ROBERT	JARRETT	GRANDBURY	ECA
4811	GLORIA	GARRETT	HOUSTON	EMT	58780	DUSTIN	JAYNES	N. RICHLND HILLS	EMT
58493	RAMON	GARZA	BROWNSVILLE	EMT	8471	CRAIG	JENNI	HOUSTON	EMT
43314	SHERRI	GASTLER	FRIENDSWOOD	EMT-I	57764	THOMAS	JESSEPH	MERIDIAN	EMT-P
19110	WILLIAM	GAYNOR	SAN ANGELO	EMT-I	47210	KENNETH	JOBE	LAPORTE	EMT-I
36487	DEBORAH	GEORGE	GRANITE SHOALS	EMT	56524	KATHLEEN	JOHNSON	DAYTON	EMT
496	ROBERT	GEORGE	GRANITE SHOALS	EMT	38734	SHERRY	JOHNSON	MIDLAND	EMT
8079	NORVELLA	GIBSON	KEMAH	EMT-P	58692	PAUL	JOHNSON JR	EL PASO	EMT
14173	MARY	GILES	IOLA	EMT	55413	JON	JOHNSTON	LIBERTY HILL	EMT-I
5167	ARCHIE	GILL	TELINGUA	EMT	31891	DARRELL	JONAS	BOERNE	EMT
58858	ANGELA	GILLIAM	LOCKHART	EMT	26374	BYRON	JONES	GALVESTON	EMT
17289	DARRELL	GILLIS	IRVING	ECA	59287	CLIFFORD	JONES	SAN ANTONIO	EMT
44978	CRYSTAL	GLASS	SAN ANTONIO	EMT	59212	HAMPTON	JONES	EL PASO	EMT
55062	MARY	GODINO-PIKE	WICHITA FALLS	ECA	25986	JAMES	JONES	WORTHAM	ECA
58189	VIRGINIA	GOLDWIRE	TERLINGUA	EMT	58410	TAMMY	JONES	FT HOOD	EMT
12923	MARY	GOLIGHTLY	ARLINGTON	EMT	19232	WILLARD	JONES	GILMER	EMT
58446	RETHA	GOODLIN	AMARILLO	EMT	58768	TERRY	KAMMAN	DRE CITY	EMT
59108	J	GORE	BALLINGER	ECA	59282	BRIAN	KARMY	CLEBURNE	EMT
12465	WILEY	GOTCHER	AUSTIN	ECA	58423	NICOLAUS	KASZCZUK	COLLEGE STATION	EMT
58551	BETTY	GOUGH	WICHITA FALLS	ECA	43805	PATSY	KELL	ELECTRA	EMT
58123	BRANDY	GRAHAM	KEMP	EMT	14357	ANGELA	KELLY	ODESSA	EMT
34601	JAY	GRANTHAM	HOUSTON	EMT-P	48640	SUSANNE	KELLY	GRAPEVINE	EMT
27220	ROBERT	GRASHEL	CEDAR HILL	EMT-P	58877	AMY	KENDRICK	LEWISVILLE	EMT
58729	LEAH	GRAVES	ROUND ROCK	EMT	52876	CHARLES	KERR	SEABROOK	ECA
52416	RANDALL	GRAY	HOUSTON	EMT	21545	BRIAN	KING	HOUSTON	EMT
45180	JAMES	GREANY	SPRING	EMT	50787	MARY	KING	MAURICEVILLE	EMT-P
59028	CARLTON	GREATHOUSE	N RICHLAND HILLS	EMT	16541	RANDI	KINSEY	HAMSHIRE	ECA
59024	BRENDA	GREEN	AMARILLO	EMT	58612	DAWN	KIPP	NOLANVILLE	EMT
5666	ARTHUR	GREENE	MARBLE FALLS	ECA	38725	ROBERT	KIRK	PINELAND	EMT-P
5550	MARILYN	GREENE	MARBLE FALLS	ECA	39894	DANA	KIRKLAND	BURLESON	EMT-I
7860	WALTER	GREER	LONE OAK	EMT	59080	JASON	KLAWINSKY	NEW WAVERLY	ECA
23994	WILLIAM	GREGORY	AUSTIN	EMT	59416	R	KNAPP	SAN ANTONIO	ECA
44058	DONALD	GRIFFITH	LAWN	EMT	230	GORDON	KNOWLTON	HUMBLE	EMT-I
51812	AMELIA	GRIVAS	CEDAR PARK	EMT-P	58438	UDO	KOEHLER	NEW BRAUNFELS	EMT
58429	ERNEST	GROVES III	VIDOR	EMT	58904	CHRISTOPHER	KOLIBA	WOODSBORO	EMT
10091	JOHN	GRUBBS	JEFFERSON	ECA	59122	BARBARA	KOPACKI	FORT WORTH	EMT
7032	STEVEN	GUILLORY	FRIENDSWOOD	EMT	58418	ERIC	KORNATZ	EL PASO	EMT
58620	DARLENE	GUTHRIE	DENTON	EMT	58569	TED	KOVACEV	ARLINGTON	EMT
59218	PEGGI	GUTHRIE	STEPHENVILLE	EMT	59234	ROBERT	KRATSCHMER	HOUSTON	EMT
12833	DAVID	GUTHRIE JR	HARKER HEIGHTS	EMT	58625	CLYDE	KRESTA	BALLINGER	ECA
59120	JAVIER	GUTIERREZ	EDINBURG	ECA	44880	JOSEPH	KRUPKA	HOUSTON	EMT-P
58875	RENE	GUTIERREZ	MC ALLEN	ECA	57609	LISA	KUTCH	MARBLE FALLS	ECA
9670	AMY	HABLIZEL	HOUSTON	EMT-P	56753	RHONDA	KUTSCHER	GERONIMO	ECA
23030	BOBBY	HALE	BELLEVUE	EMT	58555	MICHAEL	KUVET	RICHWOOD	EMT
31218	KEADON	HALE	MIDLAND	EMT	36816	KENNETH	KVPIL	BALLINGER	ECA
39429	PENNIE	HALE	GEORGEWEST	ECA	26752	PAMELA	LABAJ	GEORGETOWN	EMT
35243	PATTI	HALL	SAN ANTONIO	EMT	25010	RICHARD	LADD	SCHERTZ	EMT-P
39952	RUSSELL	HALL	WORTHAM	ECA	40555	CHESTER	LAFLEY	VIDOR	ECA
5593	WILLIAM	HALL	SAN ANTONIO	EMT	57257	RICHARD	LANGDON	SAN ANTONIO	EMT-P
58803	GARY	HAMILTON	BENJAMIN	ECA	58950	WILLIAM	LANIER	CARROLTON	EMT
34518	BRUCE	HAMMETT	SOUR LAKE	ECA	58931	CHRISTOPHER	LARKINS	MISSOURI CITY	EMT
9694	JONILYN	HANES	CANADIAN	EMT-P	13023	PAULA	LASALLE	ALVIN	EMT
34294	DELMA	HARE JR	CORPUS CHRISTI	EMT	56123	DAVID	LASKO	WEBSTER	EMT
59050	LEE	HARPER	PASADENA	EMT	35923	ROBERT	LASKY	BROWNSVILLE	EMT
58765	JAMES	HARRAL	BALLINGER	ECA	58788	DONALD	LATHAM	BRECKENRIDGE	ECA
41037	LINDA	HARRIS	IOLA	EMT	58893	DOUGLAS	LEE	MINEOLA	EMT
59144	RONALD	HARVEL	LOCKHART	EMT	37250	KENNETH	LEE	CLYDE	EMT
8914	RUSSELL	HARWOOD	WIMBERLEY	EMT	46836	JASON	LEERSKOV	TERRELL	EMT
19710	LUKE	HAVEMANN	HOUSTON	EMT-I	59039	MITCHELL	LEMASTER	CASTROVILLE	EMT
59434	ALFRED	HAWES III	PORT OCONNOR	ECA	58979	PATRICK	LEOS	EL PASO	ECA
6811	BRIAN	HAYES	KILLEEN	EMT	57149	STACIE	LEVY	DALLAS	EMT
54724	CARL	HAYWOOD	AMARILLO	EMT	44157	JOHN	LEWIS	SAVOY	EMT
57928	MALCOLM	HEARD	DEERPARK	ECA	52461	MARY	LEWIS	DONIE	EMT
58976	HEATHER	ENNIS	ENNIS	EMT	58487	TAMMY	LEWIS	BALCH SPRINGS	EMT
59209	LELAND	HELDRETH	BELTON	EMT	9837	RICHARD	LONA	ORANGE	EMT-P
58407	BRIAN	HELFRICH	AUSTIN	EMT	28015	RICHARD	LOONEY	TEXAS CITY	EMT-P
32220	SUSAN	HENNESSEE	MESQUITE	ECA	15094	MARIA	LOPEZ	FORT WORTH	EMT
58862	DANIEL	HERNANDEZ	EL PASO	EMT	58547	RUBY	LOPEZ	LAREDO	EMT
59189	JORGE	HERNANDEZ	LAREDO	EMT	26587	MYRNA	LOTT	HOCKLEY	EMT
36142	MARIO	HERNANDEZ	HOUSTON	EMT	1437	HEATHER	LOVE	KRUM	EMT-P
58488	SHANNON	HERNANDEZ	POINT COMFORT	ECA	42971	LLYNDA	LOVEJOY	DINERO	ECA
29688	WADE	HODGES	ARLINGTON	EMT	40458	HORACE	LOWERY	VIDOR	EMT
58918	CLYDE	HOFFMAN	LUBBOCK	EMT	28833	JEREMY	LOWTHER	SAN ANTONIO	EMT
42943	DREW	HOLBROOK	TEXAS CITY	EMT	8749	LORENZO	LOZANO	BROWNSVILLE	EMT
49257	JASON	HOLLEY	BRASHEAR	EMT-P	58806	RAUL	LOZANO	DALLAS	EMT



# Emergency Suspensions

56384	MICHAEL	LUNA	CORPUS CHRISTI	EMT-P	53411	RACHEL	NEELY	SUMNER	EMT
58909	MELISSA	LYNCH	ORANGE	EMT	59015	JUDITH	NELSON	LOCKHART	EMT
59327	LORI	LYONS	BENBROOK	EMT	42440	MICHAEL	NELSON	HOUSTON	EMT
58481	BRIAN	LYSEK	DRIPPING SPRINGS	EMT	47473	GEORGE	NESTER	CANYON	EMT-I
12626	ALEJANDRO	MACIAS	CLINT	ECA	1623	MICHAEL	NEUBERT	ELDORADO	EMT
31062	JAMES	MADDOX	GREENVILLE	EMT	27159	WAYNE	NICHOLS	MATHIS	ECA
4932	PRISCILLA	MADSEN	ARLINGTON	EMT-P	58884	STEVEN	NICHOLSON	DENTON	EMT
41344	PAMELA	MAHON	WEST COLUMBIA	EMT-I	57030	JOSE	NIETO JR	DONNA	EMT-I
24426	REBECCA	MALDONADO	MIDLAND	EMT	60573	GEORGE	NINO	NEW CANEY	EMT
14453	KENNETH	MANYO	MESQUITE	ECA	50542	JOHN	NIXON	DIANA	EMT
3013	DON	MANTZ	GRANDBURY	EMT	43402	CHRISTOPHER	NORRIS	GRAHAM	EMT-I
14676	CARY	MAPLES	PEARLAND	ECA	46711	KATHLEEN	NUNCIO	RICHARDSON	EMT-P
55005	LANCE	MARGHEIM	EULESS	ECA	9395	MONIQUE	OATES	ROYSE CITY	EMT
58456	WILLIAM	MARIAM	CLUTE	ECA	50333	DENNY	OATS	FORNEY	EMT
9180	WILLIAM	MARIN	PEARLAND	ECA	18374	SUSAN	ODONNELL	SAGINAW	ECA
52740	GEORGE	MARSH	SALADO	EMT-P	54294	DAVID	OGILVIE	AUSTIN	EMT
47627	THERESA	MARSH	NEW BRAUNFELS	ECA	25957	GERARDO	OLIVA	WESLACO	EMT
58962	C	MARSHALL	BAYTOWN	EMT	30195	RODGER	OLSON	SCHERTZ	EMT
10776	DAVID	MARTIN	PLANO	EMT-P	21710	MICHAEL	ORMAN	TYLER	EMT
15826	LINDA	MARTIN	LAKE JACKSON	EMT	27591	CHRISTINA	OWENS	FORT WORTH	EMT
58474	SAMUEL	MARTIN	EL PASO	EMT	20601	L	PACHECO	JOURDANTON	ECA
58499	STEVEN	MARTIN	TIMPSON	EMT	58459	JOHN	PACK	HAWKINS	EMT
59817	ANITA	MARTINEZ	BALLINGER	EMT	56334	PAUL	PAGE	DAINGERFIELD	EMT
59036	GREGORIO	MARTINEZ	MISSION	ECA	58912	JUAN	PALACIOS JR	MC ALLEN	ECA
58873	L	MARTINEZ	LAREDO	EMT	58534	RYAN	PALMER	EL PASO	EMT
58701	RAMON	MARTINEZ	MC ALLEN	ECA	58553	MARK	PALOMO	HOUSTON	EMT
951	JEFFREY	MASON	ITHACA	EMT-P	58843	KRISTINA	PARIS	KILGORE	EMT
6967	LAURA	MASON	TYLER	EMT-P	9955	BIANCA	PARKER	SAN ANTONIO	EMT
15381	SHERMAN	MATHIS	FLINT D	EMT	58845	DANA	PARKER	CLEBURNE	EMT
24987	CLYDE	MATHISON	HOUSTON	EMT	58545	MERCY	PARRA	CHAPARRAL	EMT
39389	GEORGIANN	MATTHEWS	LULING	EMT-I	21732	JOHN	PARRY	CORPUS CHRISTI	ECA
53183	KEVIN	MATTHIES	CORPUS CHRISTI	EMT	49410	FARON	PASCHAL	TAHOKA	EMT
31914	MARK	MATTICK	BOERNE	EMT	22043	JACKIE	PATE	DENVER CITY	EMT
48036	MARSHA	MATUS	WEST	ECA	4490	TAMARA	PAWSKI	BEDFORD	EMT
58540	MARK	MAULDING	PRINCETON	EMT	59353	JESSICA	PAYNE	SLATON	EMT
13773	DEN	MAY	SILSBEE	ECA	58462	JULIE	PECHAITIS	ROCKPORT	EMT
58490	LYNNETTE	MAY	CRAWFORD	EMT	58948	ANDREA	PENA	PORT LAVACA	ECA
23669	JOSEPH	MAYERS	LAREDO	EMT-P	58890	PEREIDA	PENA	LAREDO	EMT
43178	DONNIE	MAZONE	BEAUMONT	EMT	8101	SUE	PERCELL	NEW BRAUNFELS	ECA
19089	CLAYTON	MC INTYRE	BAYTOWN	ECA	42107	JESUS	PEREZ	EAGLE PASS	EMT
19111	CECILIA	MCADAMS	ALPINE	EMT	45982	RICKY	PERKINS	CLEBURNE	EMT-I
48708	DOUGLAS	MCCARLEY	GRAND PRAIRIE	EMT-P	25702	JEFFREY	PERMENTER	LUFKIN	EMT-I
59033	CHRISTOPHER	MCCARVELL	SANTA FE	EMT	28668	JASON	PERSON	BROWNWOOD	EMT
47083	SONDRA	MCCOY	VAN HORN	EMT	57891	TUAN	PHAM	HOUSTON	EMT
8936	DAVID	MCDONALD	HOUSTON	EMT	27008	MICHAEL	PHILLIPS	AUSTIN	EMT
28912	CAROLYN	MCELROY	BAYTOWN	EMT	48370	PAUL	PHILLIPS	ORE CITY	EMT
8158	MARYI	MCGEE	DENISON	EMT	44764	SUSAN	PHILLIPS	AMARILLO	EMT
3034	MICHAEL	MCGINNIS	SALT FLAT	EMT	58718	LORIE	PIERCE	SAN MARCOS	EMT
58334	HEATHER	MCGUIRE	HOUSTON	EMT	31379	STEPHEN	PIERCE	FORT WORTH	EMT-I
21542	SHERRI	MCLAUGHLIN	AUSTIN	EMT	56095	DAVID	PIKE	LUBBOCK	EMT-P
58125	DANIEL	MCLELLAN	GALVESTON	EMT	6261	CURTIS	POE	COPPERAS COVE	EMT-P
58785	SEAN	MCNAIR	HOUSTON	EMT	20301	ROY	PONATH	KILLEEN	EMT
14937	WENDY	MCNEELEY	GRANBURY	EMT	57659	KATIE	POOL	SONORA	EMT
58693	MICHELE	MEADE	WELLBORN	ECA	40216	CHARLES	POWELL	VIDOR	EMT
13145	JAMES	MENGER	PASADENA	EMT-I	26699	MAX	POWELL	BRIDGE CITY	EMT
4017	PATRICIA	MERKLEY	MIDLAND	EMT	34559	PEDRO	POZOS	HARLINGEN	EMT
59047	BRENDA	MERRYMAN	WEATHERFORD	EMT	46988	BRUCE	PRICE	LEAGUE CITY	ECA
58374	DIEDERIK	MEURSING	DALLAS	EMT-P	58489	VIRGIL	PROFFER	MYRA	EMT
29586	BOBBIE	MEYER	BEEVILLE	ECA	41702	BRIAN	PURSEL	WICHITA FALLS	ECA
19892	LAWRENCE	MEYER JR	BEEVILLE	ECA	30588	DOMINIC	PUSTEJOVSKY	ABBOTT	ECA
34873	CHAD	MIDDLETON SR	PRINCETON	EMT-P	16735	JEFFREY	QUAN	ROWLETT	EMT
32075	KYNA	MIHAIL	GROVES	EMT	15454	LLOYD	RABURN	VALLEY MILLS	EMT-I
58770	CHERYL	MILLER	LOCKHART	EMT	59443	CALVIN	RAGUSIN	PORT O CONNER	ECA
54775	LISA	MILLER	ABILENE	EMT	40704	ADRIAN	RAMIREZ	KNIPPA	ECA
7301	MARLENE	MILLER	ODESSA	EMT	23690	DIANA	RAMIREZ	HOUSTON	EMT
31564	WILLIAM	MILLER	SAN ANGELO	EMT-P	58844	LAURO	RAMIREZ JR	LAREDO	EMT
58460	LESVIA	MILLICAN	BALLINGER	ECA	59027	AMANDO	RAMOS	PHARR	ECA
46163	ROBERT	MILSPD	PEARLAND	EMT	58901	LARRY	RAMOS	ELDORADO	EMT
37937	JAMES	MITCHELL	AZLE	EMT	57679	JIMMY	RAMSEY JR	PALESTINE	EMT-P
31624	GLORIA	MIZELL	NEW WAVERLY	EMT	28967	JAMES	RAUTERKUS	SAN ANGELO	EMT-P
27210	HOMERO	MOJICA JR	LAREDO	EMT-P	3231	STEVE	RAWSON	SPRING	ECA
12932	EUGENIO	MONCIVAIS JR	LAREDO	EMT	58442	JIMMIE	REA	DENTON	EMT
59065	REBECCA	MONK	RALLS	EMT	18440	PATRICIA	REDDEN	VICTORIA	EMT-P
54477	DOUGLAS	MONTY	FORT WORTH	EMT	58651	JEREMIAH	REDDING	PORT O CONNER	ECA
52370	TIMOTHY	MOON	ROSSTON	EMT	58645	STACY	REDDING	PORT O CONNER	ECA
30287	JIMMY	MOONEY	SCURRY	EMT	54598	RANDALL	REED	INGLESIDE	ECA
14638	ABBY	MOORE	ABILENE	EMT	57033	TIMOTHY	REGER	DETROIT	EMT
57181	CAROL	MOORE	KINGSLAND	EMT	16526	JOE	REYES	MIDLAND	EMT
21095	MICHAEL	MORENO	WHARTON	EMT-I	32886	JOEL	REYES	LA PORTE	EMT
43295	ROCKEY	MORENO	HOLLAND	EMT	31246	BOB	RICHARDSON	INGLESIDE	ECA
24467	VICKY	MORENO	STAMFORD	EMT	19823	JOEL	RIEPER	WAXAHACHIE	EMT
59804	KIM	MORGAN	ALLEN	EMT	39924	DIANA	RIVERA	HOUSTON	EMT
14677	LEE	MORGAN	BRAZORIA	EMT-I	40788	STEPHEN	ROACH	NACODGOCHES	ECA
33522	DANIEL	MORIN	CORPUS CHRISTI	EMT-P	7348	LEWIS	ROBERSON	BRAZORIA	EMT-I
46999	DANNY	MORRIS	BRECKENRIDGE	EMT-P	23253	KIMBERLY	ROBERTS	HENDERSON	EMT
45060	MISTY	MORRIS	AUSTIN	EMT	39806	KIMBERLY	ROBERTSON	CROSBY	EMT-I
43357	SAMUEL	MORTON	GATESVILLE	EMT-I	59152	CHERI	ROBINSON	FORT HOOD	EMT
845	CYNTHIA	MOSES	TYLER	EMT	49243	JAMES	ROBINSON	SULPHUR SPRINGS	EMT-I
8955	FRANK	MOUTRA	HOUSTON	EMT	14269	ISRAEL	ROBLEDO	MIDLAND	EMT
58687	TRACEY	MULLINS	SUMMERSVILLE	EMT	8793	FRED	RODGERS	BEAUMONT	ECA
11900	RONALD	MUTTINA	GARY	ECA	49289	HENRY	RODRIGUES JR	EAGLE PASS	EMT
57474	ALBERT	MYERS	GALVESTON	EMT	52672	GEORGE	RODRIGUEZ	SAN ANTONIO	EMT
59094	KENNETH	MYERS	DALLAS	EMT	9349	ANTONIO	RODRIGUEZ	JAYTON	EMT-P
11403	BRYAN	NAIL	KENEDY	EMT	26385	JEFFERY	ROGERS	PORTER	EMT
59104	ISRAEL	NAVA	MCALEN	ECA	49915	KRISTINA	ROGERS	TEMPLE	EMT-P



## Emergency Suspensions

50594	WILLIAM	ROGERS	KERENS	ECA	31966	MICHAEL	TAYLOR	LAGO VISTA	EMT
43174	JOEL	ROPER	CORPUS CHRISTI	EMT	48129	ANITA	TEICHELMAN	LUBBOCK	EMT-P
29012	KIMBERLY	ROSE	KEENE	EMT	29584	ROBIN	TERRY	MATHIS	ECA
41046	RYAN	ROSE	MIDLAND	EMT	45817	MARSHALL	TERRY JR	MATHIS	ECA
59408	MELANIE	ROSS	SLATON	EMT	7139	RANDY	THOMAS	DALLAS	ECA
29807	STEPHEN	ROUSE	PASADENA	ECA	5853	ROBERT	THOMAS	INGLESIDE	ECA
31301	DOTTIE	ROWLAND	KNIPPA	ECA	58416	TAMARA	THOMPSON	LANCASTER	EMT
23826	JIMMY	ROWLETT	AUSTIN	EMT	58907	MARIA	TIJERINA	LAREDO	EMT
39234	CRUZ	RUBIO	CALHOUN	ECA	35724	KELLE	TILLMAN	FORT WORTH	EMT-P
22139	KENNETH	RUDDER	BAYTOWN	ECA	27732	MICHAEL	TINSLEY	FLOWER MOUND	EMT-P
2445	SALLY	RUSH	SPRING	EMT	58523	JAMES	TIPTON	ROWLETT	EMT
57014	BOBBY	RUSSELL	CEDAR PARK	EMT-P	58524	MICHAEL	TIPTON	ROWLETT	EMT
59219	STACIA	RUSSELL	CORPUS CHRISTI	EMT	59203	ROBERT	TIPTON	ROUND ROCK	EMT
35897	EDWARD	RUTHERFORD	SANGER	EMT	2025	JESSE	TOMASELLO	LYTLE	EMT
17230	JASON	RUTHERFORD	ROUND ROCK	EMT	58548	BRENDA	TOOMBS	LONGVIEW	EMT
37787	JUAN	SALAZAR	HOUSTON	EMT-I	26312	RANDALL	TORRENCE	LUBBOCK	EMT-P
56317	IAN	SALIBO	SAN DIEGO	EMT	29198	DANA	TRAUGOTT	MARBLE FALLS	EMT
25025	FRANCISCA	SALINAS	BROWNSVILLE	EMT	33425	MARLENE	TREVINO	MISSION	EMT
45136	MARCOS	SALMON	CLYDE	EMT	59229	PHILLIP	TRIPP	ROUND ROCK	EMT
7578	JOEY	SAMSON	SEABROOK	ECA	58587	PAUL	TROSCLAIR	SAN ANGELO	ECA
22364	MICHAEL	SANDERS	DALLAS	ECA	58933	JEFFREY	TUCKER	AMARILLO	EMT
58775	TONYA	SANDERS	LORENA	EMT	58704	WILLIAM	TURNER	FRIENDSWOOD	EMT
24446	WILLIAM	SANGUINET	POINT BLANK	ECA	41526	D	TUTTLE	LUMBERTON	EMT-I
8817	HECTOR	SANTOS	HOUSTON	EMT	34675	WILLIAM	USHER	CHANNELVIEW	EMT
30244	SUE	SATTERWHITE	BELLVILLE	EMT	33871	DANIEL	VALLEJO	EL PASO	EMT-P
14450	JUAN	SAVEDRA JR	DEER PARK	ECA	51672	RUBEN	VELOZ	HOUSTON	EMT
127	GERALD	SAVOIE	MERIDIAN	EMT-P	58734	DEBORAH	VENABLE	DEWEYVILLE	EMT
50592	CANDA	SAYLES	ROWLETT	EMT-P	47647	JAIME	VENEGAS	LAREDO	EMT-P
58967	LESLIE	SCHACHTER	PLANO	EMT	38906	NERI	VENEGAS	MIDLAND	EMT
58087	KEVIN	SCHARFF	AUSTIN	EMT	58771	VALERIE	VIERS	HOUSTON	EMT
58590	RICHARD	SCHMIDT	WHITEHOUSE	ECA	58972	STEVE	VILLARREAL	LAREDO	EMT
58528	SUSAN	SCHOENDIENST	IRVING	EMT	58426	SHIRLEY	VISINTAINER	HENRIETTA	ECA
8345	JANNA	SCHUMACHER	SONORA	ECA	12371	GREG	VOLKMANN	HOUSTON	EMT
48785	RHONDA	SCOGGINS	POTTSBORO	EMT	21382	LORI	WADE	ELDORADO	EMT
59059	IAN	SCOTT	FLOWER MOUND	EMT	59148	LINDA	WAGNER	BENJAMIN	ECA
28420	TRAVIS	SCOTT	ABBOTT	ECA	59473	WILLARD	WALDEN JR	HOUSTON	EMT
59112	JEFFERSON	SELLERS	PORT ARANSAS	EMT	8764	BYRON	WALKER	IRVING	ECA
38063	KEN	SELLERS JR	WEIMAR	EMT	10608	GERALD	WALKER	LONGVIEW	EMT
12102	JOHN	SEROW	HOUSTON	EMT	42834	ARCHIE	WALKER JR	FREEMONT	EMT-I
52660	JESSE	SERRATO	SAN ANTONIO	EMT	28723	JOHN	WALKER JR	HOUSTON	EMT
15287	ROBERT	SHANNON	SHERMAN	EMT-P	10124	JAMES	WALLER	VICTORIA	EMT
59172	ERNEST	SHAWCROSS	BLUE MOUND	ECA	37030	DAVID	WARD	SPRINGTOWN	EMT
58476	KATHA	SHAWVER	WICHITA FALLS	ECA	52405	KIMBERLY	WARD	GATESVILLE	EMT
19391	TERRY	SHIPLEY	NEDERLAND	ECA	15960	TOMMY	WARD	WHITNEY	EMT-I
19765	MILTON	SIEMENS	LEAGUE CITY	EMT	23792	SANDRA	WARFORD	LUBBOCK	ECA
29427	RICHARD	SILL	BOERNE	EMT	58941	MARGERY	WARREN	KINGSLAND	EMT
58903	BENJAMIN	SIMS	PAINT ROCK	EMT	39886	ROBERT	WARREN	HOUSTON	EMT
58863	PATRICIA	SIMS	PAINT ROCK	EMT	58815	JENNIFER	WASHBURN	KILGORE	EMT
2001	SPENCER	SIMS	VICTORIA	EMT	58725	DAVID	WASHINGTON	LONGVIEW	EMT
58255	ROMMEL	SINGH	URBANA	EMT	13858	KIMBERLY	WASHINGTON	LONGVIEW	EMT
27117	VIRGINIA	SKAGGS	WINTERS	EMT	23983	JAMES	WATSON	LONGVIEW	EMT
36843	BRYAN	SKELLY	PIPE CREEK	EMT-P	8503	LINDA	WAYLAND	HOUSTON	EMT
18928	AVIE	SKYLER	HOUSTON	EMT	17507	KEITH	WEATHERFORD	NEDERLAND	EMT
59007	CARRIE	SLOAN	PORTLAND	EMT	36176	REGINGA	WEAVER	NORTH ZULCH	EMT
862	LORI	SLOAT	ROUND ROCK	EMT	23732	DON	WEBB	MARBLE FALLS	ECA
47752	STANLEY	SLOMCHINSKI	SAN ANTONIO	EMT	46929	WILLIAM	WEBB JR	MAGNOLIA	EMT-I
21740	JAMES	SMALL	LONGVIEW	EMT	41772	BARBARA	WEBBER	WHITEWRIGHT	EMT
43840	BOBBY	SMITH	ODEM	EMT	21577	TREVOR	WEBER	HAWLEY	EMT-I
10474	JENNIFER	SMITH	FITZGERALD	EMT	7791	BILLY	WEED	FT. WORTH	EMT-P
59005	MICHAEL	SMITH	MARBLE FALLS	EMT	37029	JAMES	WEINMAN	ALLEN	EMT-P
19395	MINDY	SMITH	LLANO	EMT	58985	BARRY	WELCH	SPLENDORA	EMT
59326	REBA	SMITH	MARBLE FALLS	ECA	3476	KERMIT	WESTFALL	FORT BLISS	EMT
45008	ROBERT	SMITH	VIDOR	ECA	26476	AMANDA	WHEATLEY	HOUSTON	EMT-I
59013	WAYNE	SMITH	ORANGE	EMT	22800	ARTHUR	WHITE	HOUSTON	EMT
46411	DENISE	SNAPP	HOUSTON	EMT	45343	TERRY	WHITE	BURLESON	EMT
58743	KIMBER	SOKOLOSKY	HARRAH	EMT	59073	CARLA	WIER	LOCKHART	EMT
10185	DANIEL	SOLIS	MCALEEN	ECA	22812	ODELLIA	WILCOX	DEER PARK	ECA
58526	DANA	SOWELL	BUFFALO GAP	ECA	30990	KENNETH	WILKERSON	CARTHAGE	EMT-I
58633	MICHAEL	SOWLE	MT PLEASANT	EMT	54674	DAVID	WILKINS	AUSTIN	ECA
26933	KRYSTLE	SPILL	WINTERS	EMT	59058	STEPHEN	WILLIAMS	CENTERVILLE	EMT
60945	TODD ALLEN	STFRANCIS	DEER PARK	EMT-I	4579	RANDY	WILLIAMSON	DEER PARK	EMT
54423	BETTY	STAAB	ARLINGTON	EMT-P	15313	DINAH	WILSON	BRYAN	EMT
34973	TAMERA	STAFFORD	KELLER	ECA	47268	LORA	WILSON	HOUSTON	EMT
53045	JEFFERY	STANDIFER	GARLAND	EMT	17763	MICHAEL	WIMBERLEY	WICHITA FALLS	ECA
58472	KHOURY	STANFORD	CLUTE	EMT	51330	GARY	WINN	HOUSTON	EMT
58471	FRANK	STATEN JR	WILLS POINT	EMT	58640	DAVID	WINTERBURN	CEDAR PARK	EMT
4925	JERRY	STAUFFER	KATY	ECA	43384	GENE	WOLF	WINDTHORST	EMT-I
59106	ROBERT	STEAGALL	CORPUS CHRISTI	EMT	43385	WILLIAM	WOLF	WINDTHORST	EMT-I
58448	BRADLEY	STEBANS	WICHITA	EMT	58691	BETTY	WOODS	FORT WORTH	EMT
58636	RALPH	STEINHOFF	LAS CRUCES	EMT	58542	RENEE	WORKINGS	ROCKWALL	EMT
51809	TONYA	STEPHENS	ALVIN	EMT	35995	C	WORLEY	SAN ANTONIO	EMT
58596	CONNIE	STEWART	LAKE JACKSON	ECA	12898	CALVIN	WRIGHT	BOERNE	EMT
15882	JAMES	STEWART	GERONIMO	ECA	58952	CHRISTIN	WRIGHT	BEAUMONT	EMT
222	LOIS	STEWART	DUBLIN	EMT	58502	TERRY	WRIGHT	KYLE	EMT
34485	KYLE	STRANGE	AUSTIN	EMT	59099	TODD	WRIGHT	BROWNSBORO	EMT
51838	JAMES	STRICKLAND	MARSHALL	ECA	22398	DAN	WRINKLE	SILSBEE	EMT
58791	LUCINDA	SULLIVAN	PORTLAND	EMT	31790	NANCY	WUNDERLICH	NEW BRAUNFELS	ECA
59053	RYAN	TACKITT	ELM MOTT	EMT	33652	GAYLAN	WYKES	AUSTIN	EMT
58541	RONALD	TADEO	LAREDO	EMT	5174	BILLY	YATES	LAKE JACKSON	EMT-P
6597	STACY	TANKERSLEY	HIGHLANDS	EMT	59789	GREG	YBARRA	ROANOKE	EMT
10906	MARK	TANSIONGCO	HOUSTON	EMT	58703	SCOTT	YEATER	SEABROOK	EMT
58463	GUSTAVO	TAVAREZ	EL PASO	EMT	16987	BRIAN	YOUNG	AUSTIN	EMT
2915	DANNY	TAYLOR	LUBBOCK	EMT	49150	LOREN	YOUNGBLOOD	AUSTIN	EMT
32326	DONNA	TAYLOR	SHERMAN	EMT	10189	ROBERT	YOUNGER	DALLAS	EMT-P
30939	JAMES	TAYLOR	DALLAS	EMT	31273	PEDRO	ZARAZUA JR	TEXAS CITY	EMT



## DISCIPLINARY ACTIONS

**Ashmore, Lee Fran**, Lufkin, Texas. Two years probation of EMT-Paramedic certification through August 31, 1998. EMS Rule 157.51 (2)(A), failure to follow EMS standards of care in the management of a patient.

**Boone, Christopher K.**, Houston, Texas. Decertification of EMT certification. EMS Rule 157.51 (b)(9), misrepresentation of current level of certification, and (12), materially alters any department EMS certificate, or uses and/or possesses any such certificate.

**Boyd, David A.**, Granbury, Texas. Three years probation of EMT certification through August 9, 1999. EMS Rule 157.51(a)(1), imminent danger to the public health or safety.

**Callahan, Ronald G.**, Palacios, Texas. Twelve months probation through March 14, 1998. EMS Rule 157.51 (2)(A) and (B)(old rules), failure to follow EMS standards of care in the management of a patient.

**Christian, Aaron Louis**, Beaumont, Texas. Two years probation of EMT certification through October 19, 1997. EMS Rules 157.44(b)(1) and (c), and 157.53, felony conviction and misdemeanor convictions.

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

\* **County Line EMS**, Uvalde, Texas. Administrative penalty of \$100. EMS Rule 157.11(d)(2), failure to staff ALS vehicle properly.

**Culberson County EMS**, Van Horn, Texas. Twelve months probation through April 2, 1998, plus an administrative penalty of \$625. EMS Rule 157.11 (b)(1), operating vehicle without provider license.

**Curry, Elizabeth Anne**, Athens, Texas. Twelve months probation of EMT-Paramedic certification by reciprocity through January 29, 1998. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor conviction.

\* **Degolier, Paul Anthony**, Austin, Texas. Twelve months probation of EMT recertification through July 1, 1998. EMS Rule 157.44, 157.51(b)(16) and (c), and 157.53, misdemeanor conviction while certified.

**Dement, Scott Wayne**, Bellville, Texas. Suspension of EMT certification through January 31, 1998. EMS Rule 157.44 and 157.51 (b)(16), misdemeanor conviction while certified.

**Garcia, Julian Javier**, Weslaco, Texas. 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.

**Garlington, John Mac**, Port Aransas, Texas. Eighteen months probation of EMT-Intermediate certification through July 29, 1998. EMS Rules 157.44, 157.51(b)(16) and (c) and 157.53, misdemeanor conviction.

**Gatewood, Tae H.**, Houston, Texas. Emergency Suspension of EMT-Intermediate certification. EMS Rule 157.51 (a)(1)(A), imminent danger to public health or safety.

**Goins, David**, Lufkin, Texas. 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.

**Hinton, Tony Ray**, Odessa, Texas. Six months probation of EMT-Paramedic certification through September 27, 1997. EMS Rules 157.44, 157.51(b)(16) and (c), and 157.53, misdemeanor conviction while certified.

**Hull Daisetta Volunteer Ambulance Service**, Hull, Texas. Twelve months probation with conditions of provider license through January 11, 1998. EMS Rule 157.19 (c)(1)(U), violates any rule or standard that would jeopardize the health or safety of a patient or that has a potential negative effect on the health or safety of a patient.

**King, Julie Ann**, Sour Lake, Texas. Twenty-four months probation of EMT-Intermediate certification through April 18, 1998. EMS Rule 157.51(2)(A), failure to follow EMS standards in patient management.

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

**Moore, Douglas Scott**, Gilmer, Texas. Eighteen months probation of EMT certification through October 9, 1997. EMS Rules 157.44(b)(1) and (c), and 157.53, misdemeanor convictions.

**Nelson, Michael Wade**, Wylie, Texas. Twelve months probation of EMT certification through November 7, 1997. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor conviction.

**Patterson, Carrie Ann**, Caldwell, Texas. Sixteen months probation of EMT certification through May 23, 1998. EMS Rules 157.44, 157.51 (b) and (c) and 157.53, misdemeanor convictions.

**Pearson, Michael Ray**, Huffman, Texas. 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.

**Rifanburg, Frances H.**, Groveton, Texas. Decertification of EMT-Intermediate 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.

**Robinson, Stephen Myrl**, Midland, Texas. One year probation of EMT-Paramedic certification through September 17, 1997. EMS Rules 157.44(b)(1) and (c) and 157.53, misdemeanor conviction.

**Sartor, Brian Lee**, Denison, Texas. Decertification of EMT-Paramedic certification. EMS Rule 157.44, 157.51 (b)(16) and 157.51 (b)(26), misdemeanor conviction while certified and falsification of application.

**Sexton, Derek Jason**, Maxwell, Texas. 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.

**Skelton, Richard Lee**, McGregor, Texas. 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, Christopher A.**, Arlington, Texas. Eighteen months probation of EMT-Paramedic certification through February 6, 1998. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor conviction.

**State Care/Metro One Ambulance**, Houston, Texas. Administrative penalty of \$1,750. EMS Rule 157.11 (1)(A), failure to staff BLS vehicle, when in service, with at least two emergency care attendants who have active status certification.

**Stiles, Jeffrey Scott**, Dallas, Texas. Twelve months probation of EMT certification through September 17, 1997. EMS Rules 157.44(c), 157.51(b) and (c) and 157.53, felony conviction and misdemeanor convictions.

**Terry, Samuel R.**, Gainesville, Texas. Twelve months probation of EMT-Intermediate certification until March 14, 1998. EMS Rule 157.51 (b)(1), failure to follow the EMS standards of care in the management of a patient.

\* **Thomason, Phillip**, Lubbock, Texas. Decertification of EMT-Paramedic certification. EMS Rule 157.51(b)(16), conviction of a felony in accordance with the provisions of EMS Rule 157.44.

**Weinheimer, Rex Joseph**, Stonewall, Texas. 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.

**Wells, John Michael**, Sweetwater, Texas. Twelve months probation of EMT certification through March 24, 1998. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor conviction.

**Wind, Caron**, Nederland, Texas. Administrative penalty of \$250. EMS Rule 157.61 (d)(14), failure to arrange for and supervise verification of skills proficiency of each student by a state certified skills examiner.

**Wind, Jon Todd**, Nederland, Texas. Twelve months suspension of EMS Examiner certification through March 5, 1998. EMS Rule 157.63 (e)(1), failure to conduct skills proficiency verification in an objective manner according to the criteria and standards established by the department for each skill examined.

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.

\* 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 ADVERTISEMENTS

## Calendar

September 26-27, 1997. **13th Annual Tri-State Trauma Symposium and Advanced Dysrhythmia Monitoring.** Call 806/345-5509.

September 27, 1997-October 25, 1997. **EMT-Basic Refresher.** Saturday course. \$125 plus book. For more information contact Hill Junior College, Alan Lassiter at 254/582-2555 or Paul Vogt at 254/582-5313.

October 1-4, 1997. **NAEMT Outlook '97.** Sponsored by National Association of Emergency Medical Technicians. Reno, Nevada. Call for brochure and registration 800/34NAEMT.

October 4, 1997. **Examiner Course.** \$75, includes all materials. E & R Training Co. Registration due by Sept. 29. Contact 512/756-9439 for more information.

October 5-11, 1997. **National Fire Prevention Week,** National Fire Protection Association, 800/344-3555, Texas Commission on Fire Protection, Lydia Fluitt, 512/918-7100.

October 10, 1997. **Medical Management of Chemical Exposure.** EMS CE awarded. Jeff Rubin, UT-Austin 512/471-3285 or e-mail: jrubin@mail.utexas.edu.

October 10-13, 1997. **BTLS.** \$150 includes all materials. E & R Training Co. 512/756-9439.

October 11-12, 1997. **Basic CISM.** 16 hours. Contact Elaine at Bluebonnet CISM team 281/444-9669.

October 13, 1997. **EMT-Intermediate Course.** \$500 plus insurance. E & R Training Co., Burnet, TX. Must register by October 1. Call 512/756-9439 for more information.

October 16-19, 1997. **Helicopter Rescue '97.** A national conference devoted solely to helicopters and their role in search and rescue today. For information call 800/457-3728.+

October 19-25, 1997. **National School Bus Safety Week.** 703/644-0700, National School

Bus Transportation Association.

October 24-25, 1997. **ACLS.** Brownwood Regional Medical Center. \$100 includes materials. E & R Training Co. Contact Marge Gramtham at 915/649-3312.

November 15, 1997-December 13, 1997. **EMT-Basic Refresher.** Saturday course. \$125 plus book. For more information contact Hill Junior College, Alan Lassiter at 254/582-2555 or Paul Vogt at 254/582-5313.

November 23, 1997. **Air Medical Preconference Workshop.** Employ bench marking techniques to improve operational performance. Contact Jane Wynn or Karen Casper at 214/956-0707.

December 3, 1997. **National Drunk and Drugged Driving Prevention Month, 3D Month,** NSC, Laura Wilkinson, 202/293-2270 ext. 945.

May-December, 1997. **Roco Rescue Courses.** Rescue techniques. Instructor courses. Refresher programs. Confined space and structural rescue courses. For registration contact Roco at 800/647-7672.

January 6, 1998. **EMT-Basic Course.** \$450 plus books. For more information contact Hill Junior College, Alan Lassiter at 254/582-2555 or Paul Vogt at 254/582-5313.

**CPR Classes.** San Antonio, Austin or Corpus Christi. For more information call Metroplex Medical Training at 800/583-0097.

## Jobs

**Paramedics and EMTs:** ALS, BLS, and MICU ambulances. Also PRN personnel for fixed wing flight medics. Flight medics can be EMTs, Paramedics, LVNs or RNs. Contact Maury Shaner, Med Star Ambulance at 210/649-2196 or send resume to PO Box 15507, San Antonio, TX 78212.+

**Paramedic:** The Eastland Memorial Hospital EMS system is taking applications. 24/48 hour shift. Contact Richard Bird or Scott Brinkley at 254/629-2602 or at PO Box 897, Eastland, TX 76448.+

**Paramedics and EMTs:** American Medical Response of Texas is seeking paramedics and EMTs. Applicants must meet the individual sites qualifications. Please call the individual locations for more information: Cleburne, Terry Sprinkles 817/645-3391; Dallas, Mike Shaw 214/353-7610; Fort Worth, Annette Hawkins 817/927-4455; McAllen, Horacio Cantu, 210/668-0656; San Antonio, Port Arthur, Beaumont, Tate McIntyre 409/983-5666; Elizabeth Knight, 210/599-9208.+

**Paramedics and EMTs:** Brush County Ambulance is accepting applications for EMTs and Paramedics for positions in Pleasanton, Beeville and Victoria, Texas. Send a resume to David Cleveland, Director, Brush Country Ambulance, 113 W. Hunt, Pleasanton, TX 78064.+

**Paramedic:** Wharton EMS is accepting applications for paramedic with an advanced MICU 9-1-1 service. CPR instructor is a plus. Must be willing to work overtime. Contact Wharton EMS, 2010 Fulton Street, Wharton, TX 77488. Call 409/532-2491, ext. 700 for more information.

**EMT-I or EMT-P:** Seymour/Baylor County EMS. Hospital-based service. Salary based on experience. Send resume to SBC EMS, Lou Schafer, 200 Stadium Dr., Seymour, TX 76380. For more information call 940/888-3148.

**Paramedics and EMTs:** Full and part-time. Midland, Odessa area. 915/570-4892.+

**Paramedics:** Full and part-time. Top pay. Emerald Medical Services. 9-1-1 and transfers. 281/837-8375.+

**Paramedics:** The City of Beeville has three vacancies for paramedics. Contact Gabriel Aleman, EMS Director, 400 N. Washington, TX 78102 or call 512/358-4400 or fax 512/358-7522.\*

**Instructor:** Bachelor's degree, EMT-paramedic, 3 years EMS related experience and 3 years community college experience required. Nine month contract position with Angelina College, Lufkin, TX. For application and complete job description contact Patricia McKenzie at 409/639-1301.\*

**Communications Specialist:** Plano, TX. Multiple openings. Public safety communications specialist-dispatching EMS calls, taking 9-1-1 emergency and nonemergency calls. 1 year experience. Type 40wpm. \$2,085, extra \$60/mo if EMT & EMD certified. Also public safety recruit will take 9-1-1 calls to be dispatched to police & fire. Type 40wpm, data entry knowledge, 1 year exp. in customer service. \$1,875, extra \$60/mo if EMT & EMD certified. Benefits. Call 972/461-7298 to apply.\*

**EMS Professionals:** Saudi Arabia. Experience in EMS service development and management with experience as an instructor at EMT levels with instructor certification and 3 years field experience as a paramedic in a high volume urban system. Letters of reference. Current paramedic certification. Base salary is generally tax free, 20% post differential. Housing is paid by project. Moving allowance/other benefits. Personnel must be willing to serve in Saudi Arabia without families being located there. Send resume to John A. LaCasse, Eng.Sc.D., REDCRES Project Director, Medical Care Dev., 11 Parkwood Dr., Augusta ME 04330.\*

**EMT-B, EMT-I and Paramedics:** Qualified applicants in the Houston and Fort Bend area. Excellent benefits. Salary commensurate with qualifications. Send resume to Prime Care Ambulance Service, Human Resources, 2600 Southwest Freeway, Ste 1025, Houston, TX 77098 or fax 713/521-1496 or call 713/521-1426.\*

**Paramedics:** Dallas/Houston area. Full-time and part-time positions. Needed for general transfer service in a growing system. Benefits available for full-time. Call 800/405-5077.\*

**Paramedics and EMTs:** Seeking highly motivated employees. Must be certified in Texas and have a good driving record. We offer a pleasant work environment, plus an excellent benefits package including dental and vision. Interested candidates are invited to submit a resume or write for an application packet: American Medical Response, 2603 Inwood Road, Dallas, TX 75235 or call 214/353-7610.\*

**BLS Instructor:** Company rep needed for public relations, CPR instruction and customer service for the Houston/Galveston area. Send resume to Metroplex Medical Training, 2429 E

### Meetings and advertisements deadlines and information

**Deadline:** Six weeks in advance. After the pages of this magazine have completely gone through editorial, design and layout, then it goes to the printshop to get printed, then to our mailing service to get mailed out. Add a few days to get through the U.S. mail system. 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.



# MEETINGS AND ADVERTISEMENTS

Hwy 80, #101, Mesquite, TX 75150. Other positions open in San Antonio, Corpus Christi, and Wichita Falls area.\*

**Dispatcher:** Seeking highly motivated employees. Must be certified in Texas and have a good driving record. We offer a pleasant work environment, plus an excellent benefits package including dental and vision. Interested candidates are invited to submit a resume or write for an application packet: American Medical Response, 2603 Inwood Road, Dallas, TX 75235 or call 214/353-7610.\*

**Clinical Supervisor:** Directs quality improvement, assists medical director, coordinates training and continuing education. For a complete job description contact Rebecca Sutton, City of Beaumont, Human Resources at 409/880-3104.\*

**EMT-P:** Junior crew member on an EMS unit. One year exp. on ALS unit. For a complete job description contact Rebecca Sutton, City of Beaumont, Human Resources at 409/880-3104.\*

**Materials Management Tech:** Seeking highly motivated employees. Must have a good driving record. We offer a pleasant work environment, plus an excellent benefits package including dental and vision. Interested candidates are invited to submit a resume or write for an application packet: American Medical Response, 2603 Inwood Road, Dallas, TX 75235 or call 214/353-7610.\*

**Mechanic:** Seeking highly motivated employees. Must be certified in Texas and have a good driving record. We offer a pleasant work environment, plus an excellent benefits package including dental and vision. Interested candidates are invited to submit a resume or write for an application packet: American Medical Response, 2603 Inwood Road, Dallas, TX 75235 or call 214/353-7610.\*

**BLS Instructor/Company Rep:** San Antonio, Wichita Falls, Abilene, Houston/Galveston areas. Functions to include instructing BLS courses and marketing. Send resume to Metroplex Medical Training Services, 2429 E. Hwy 80, #101, Mesquite, TX 75150.\*

**Region Field Training Officer:** Abilene area. This position includes overseeing all marketing, BLS instruction and equipment rentals for the far West Texas Region. Send resume to Metroplex Medical Training Services, 2429 E. Hwy 80, #101, Mesquite, TX 75150.\*

**Faculty Instructor:** UT Health Science Center in San Antonio, Dept. of Emergency Medical Technology. Full-time and will include classroom and clinical instruction of EMT students. Bachelor's degree in health or related field. Send resumes to: Charles Garoni, Dept. of EMT, 4201 Medical Dr., Ste. 250, San Antonio, TX 78229.\*

## FOR SALE

**For Sale:** 1985 Ford F-350 Wheeled Coach ambulance type II. Low miles. Good condition. Well maintained. 281/385-1765.+

**For Sale:** 1988 Type I Chevrolet ambulance. 49,914 miles. New engine has 17,000 miles. 148 inch wheeled coach module. Call Gary Davis at 210/966-2435 or 210/966-3530.+

**For Sale:** 1978 Chev Type II ambulance with light bar 69,000 miles. Contact Danny Grimes 409/396-6403 after 6:30pm.+

**For Sale:** 1990 ambulance Ford Econoline 350 XL, diesel, class III, 6 new tires, 57,715 miles. Volunteer service dissolved. Contact Melton Murff, Mayor, PO Box 533, Hico, TX 76457 or call 817/796-4620.+

**For Sale:** 2-1990 Ford Type II XL ambulances; 1-1996 Ford Type I XLT ambulance; 1-1996 Wheelchair Van Dodge B-350; 2-Life Pack 5s; 1-Life Pack 10 (new); 3-Nonin Pulse Ox; 3-portable Univent ventilators (new); new and used ambulance supplies. For information call Charles or P.Z. Mani at 210/614-7823 or FAX requests to 210/692-1715.+

**Wanted:** Type II ambulance for training only—to be donated to community college for educational purposes. College will offer tax credit and publicity to your organization. Please call David Pearse at 903/753-2642.\*

**For Sale:** 1983 Ford F350 Type III by First Response, 460 V8, lights, siren, O<sub>2</sub> cyl., 37k miles, good condition. Call Pat Peavler, Sweeney Fire and Rescue for information. 409/548-2072.\*

**Ambulance Remounts:** Q.V.M. certified remount shop, chassis in stock. Professional Ambulance Sales & Service, Kennedale, TX 800/561-6070.\*

**For Sale:** Alternator repair to your ambulance or fire apparatus. Terry Slayton, Superior Fleet Service, 800/451-3901.+

**For Sale:** 1992 model Laerdal 3000 ATS semi automatic defibrillator w/semi-automatic and manual mode cartridges. 3 rechargeable batteries w/charger and many extras. \$3,000 or best offer. Contact the City of Clute EMS 409/9653.+

**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:** Lifepak 5, with carrying case. Batteries not included. Good condition. \$1,500. Call 409/345-2390.+

**Ambulance Billing:** Private ambulance service EMS/volunteer service, let us do your billing for you. Electronic billing for Medicare, Medicaid and private insurance. For more information please call L&M Billing Service 210/276-4186.+

For more information please call L&M Billing Service 210/276-4186.+

**For Sale:** Firefighter entrance exam or paramedic exam study guide. Pass your exam the first time. Written for Texas firefighters and paramedics only. To order your copy for \$19.99, call toll free 888/296-4420.\*

**CPR manikin:** For rental use, please contact Metroplex Medical Training at 800/583-0097.+

**National Registry Exam Review:** ACLS review or PPC courses for EMS and fire personnel. Call for group information: Metroplex Medical Training Services 800/583-0097 or 972/270-0857.\*

**Firefighter Entrance Exam:** Written for Texas Firefighters and paramedics. Mail check or money order for \$19.99 to: TQE, 2603 N. Arkansas #6, Lored, TX 78043 or call toll free 888-296-4420.\*



## 1997 Texas EMS Photography Contest

It is time to start taking photos for the 1997 Texas EMS Photo Contest. Educational settings, emergency scenes, safety training, rescue situations—take EMS photos and enter them! The grand prize winner will receive \$100 and a plaque. Two first place winners will receive \$75 and a plaque. One second place winner will receive \$50 and a ribbon, one third place will receive \$25 and a ribbon. One honorable mention winner will receive a ribbon and \$15. All photos will be displayed at Texas EMS Conference '97.

+ 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.

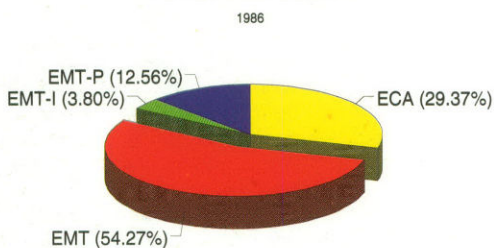
**Moving?** Let us know your new address—the post office may not forward this magazine to your new address. Use the subscription form in this magazine to change your address, just mark the change of address box and mail it to us or fax your new address to 512/834-6736. We don't want you to miss an issue!

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



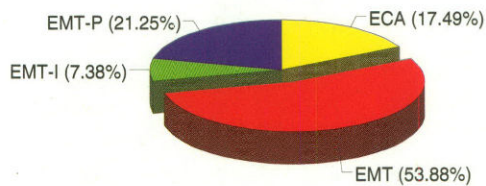
# Texas EMS Snapshot 1986 - 1996 Certified EMS personnel

**Certified EMS Personnel**



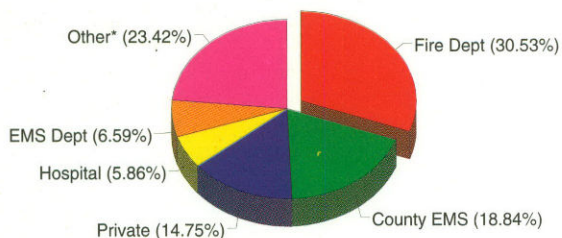
1986

1996



Bureau of Emergency Management - May 1997

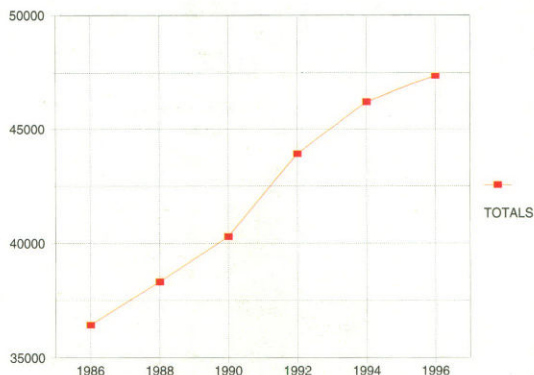
**EMS Personnel  
Associated with EMS Services**



1996

Bureau of Emergency Management - May 1997

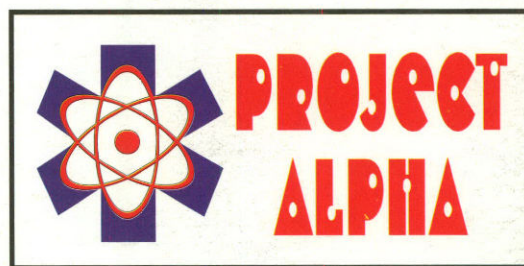
**Certified EMS Personnel Totals**



Bureau of Emergency Management - May 1997

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

Periodical  
Rate Paid  
At Austin, Texas



## Project Alpha launched

As EMS changes and grows, so should its regulation. To keep up with changes, TDH is completely rewriting the EMS rules. Your input is crucial to the evolution of emergency health care systems in Texas. For a view of the draft documents, go to: [www.tdh.state.tx.us/hcqs/ems/emshome.htm](http://www.tdh.state.tx.us/hcqs/ems/emshome.htm) or look for the November/December issue of *Texas EMS Magazine*.