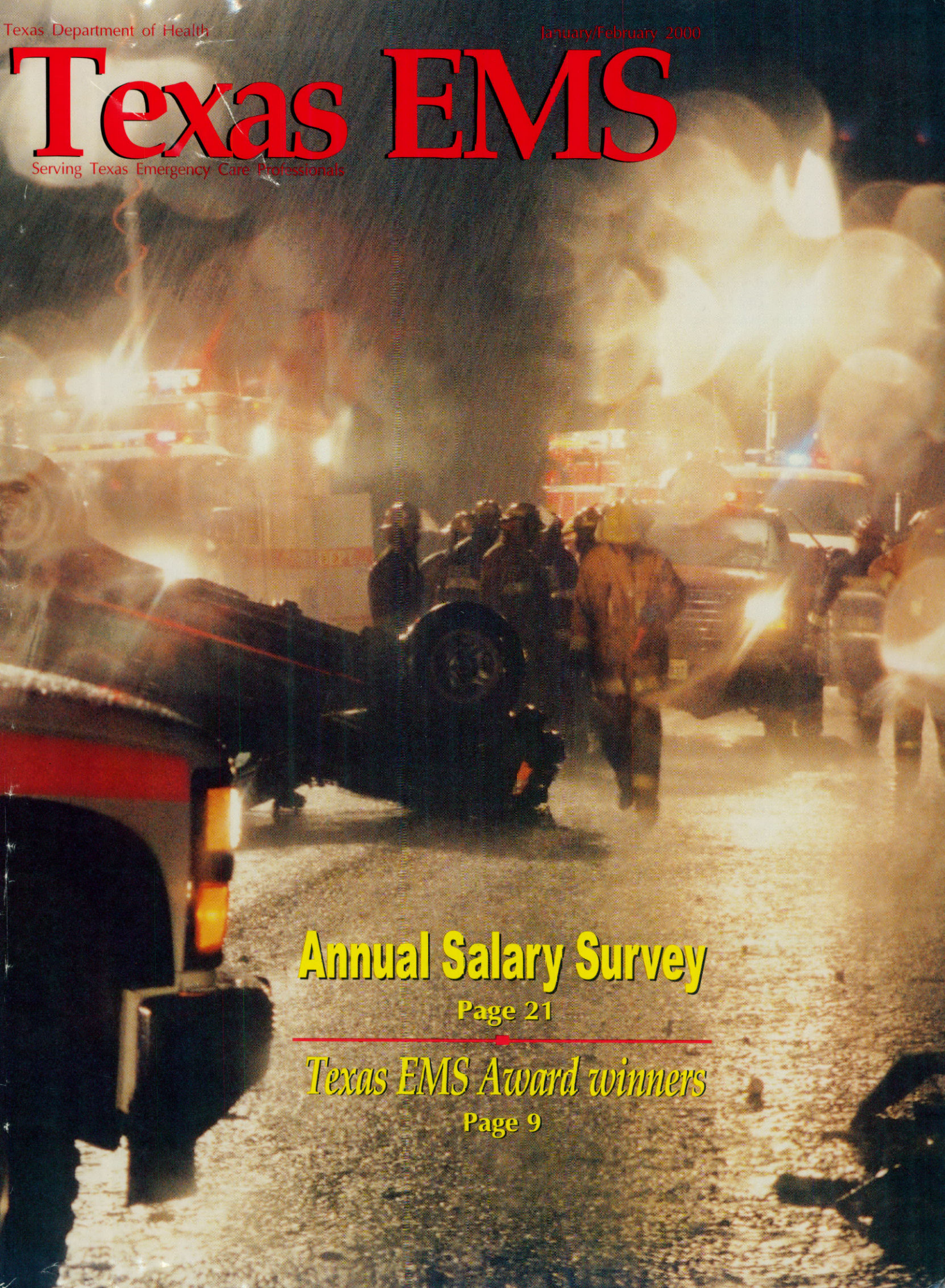


Texas EMS

Serving Texas Emergency Care Professionals



Annual Salary Survey

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_____ *(Updated)* **"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)

_____ *(Updated)* **"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)

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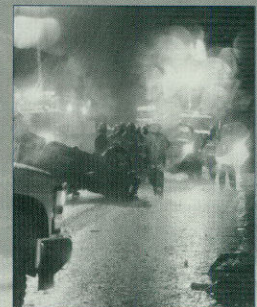
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ABOUT THE COVER: Kelly Engelbert of Celina took this photo of the Celina Volunteer Fire Department in action.



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January/February 2000

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EMS Conference wraps up successful year

Well, the holidays are over, the year 2000 has begun, and since you are reading this, it seems we are all still here. Hope you and your family were especially blessed this season. This Bureau was blessed with another successful EMS Conference in November. We had nearly 2100 registrants, 250 exhibit booths and 350 staff and volunteers. Thanks to all who participated. So far the evaluations look very good. It won't be long before you start hearing about details for next year. Mark your calendars for November 19-22, 2000.

A reminder that the EMS and Trauma System rules are open for public comment through January 27. You can access them a number of ways—the Bureau of Emergency Management's website at: <http://www.tdh.state.tx.us/hcqs/ems/Ruldraft.htm>; the October 29, 1999, edition of the *Texas Register* at: <http://lamb.sos.state.tx.us/texreg/>; or by calling our office for a copy (512/834-6700). Any comments may be provided to us by mail (1100 W. 49th St., Austin, Tx 78756); email (kathy.perkins@tdh.state.tx.us); or fax (512/834-6611). A very important note: these proposed rules will not be taken back to the Texas Board of Health until after they are reviewed by the newly established, governor-appointed EMS and Trauma System Advisory Committee. Word is that the governor's office is getting close to announcing the members of this new committee. We are hoping that their first meeting might be held in January. Keep an eye on the Announcements page of our website. Additionally, noti-

fications will be mailed to all persons on our contact list.

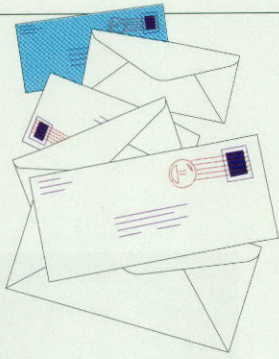
I am extremely excited and proud to have been named the acting bureau chief following Gene Weatherall's retirement, but am very aware of the big shoes I will have to fill. I will work hard to keep things running smoothly during this interim. Many of you probably don't know me well, so I thought I'd give you a little history. I began my career in the medical field as an army nurse, where I served eight years. After completing a master's in business administration, I went to work at the Bureau of Emergency Management in 1989 as a statistical clerk in the EMS Data program. A month after I was hired, the trauma system bill was enacted by the Texas Legislature, and five months later, I moved into a trauma system specialist position. I have been the state trauma system director since 1991. Additionally, something you all may not know is that I have also served as Gene Weatherall's assistant bureau chief since 1994. In this role, I worked on many EMS issues from rules, policies, and procedures, to reviewing EMS Local Projects grants, to developing legislative initiatives for upgrading EMS in Texas.

I plan for this Bureau to keep on doing the wonderful things that it does such as our website, this magazine and the annual EMS Conference. We will also continue to try to provide excellent customer service to all of you, from speedy application processing to distribution of grants funds. I would very much like to hear from you if you have an issue you would like to discuss.

Happy New Year.



KATHY PERKINS, ACTING
BUREAU CHIEF
BUREAU OF EMERGENCY
MANAGEMENT



Letters

Editor's note: Long-time paramedic and EMS educator Charlie Hooks passed away October 8, 1999, due to pancreatic cancer.

To Texas EMS Magazine: The stories I am about to tell you about Charlie Hooks have never been shared before. Perhaps it will help those who knew Charlie to remember what a compassionate and caring person he is. For those of you who only know him by name, perhaps it will bring light to what a cornerstone Charlie is to this profession that we call EMS. You may notice that I am writing this letter in present tense. Why? Because as far as I am concerned, Charlie is still here. I know that the physical person is gone, but Charlie still lives and exists in every ambulance he ever worked on, in every student he ever taught, and in every patient that he ever cared for.

I first met Charlie in the summer of 1978 when I was 16. In the early morning hours one day I suffered from seizures later determined to be flu/fever/hyperventilation related. I remember that my mom tried everything a caring mother does to help her ill child: kind words, cold showers, gentle caresses. A short time later my mom called Klein VFD, who in turn called Cypress Creek EMS. I remember lying on my bed unable to control these convulsions. I was

scared. A short time later I heard sirens followed by a number of people dressed in fire gear cramming themselves into my room. As the occupancy level of my room grew, my sense of fear also grew. Oxygen was placed up my nose, an oropharyngeal airway was being measured on the side of my face, and all these people were talking about what to do with me. I could see the concern in their faces. About ten minutes later I heard another siren. Two women dressed in red uniforms showed up in my room. Two medics, five firefighters and my mom now occupied an area about two times larger than the back of an ambulance. Then he showed up. I remember hearing Charlie walking up the stairs to my room. Then as he walked into my room, all those people separated for him like Moses parting the Red Sea. I now know that it was out of respect for Charlie's experience and dedication. Without even talking to another soul in the room, Charlie approached my bed, knelt down beside me, looked at me and said..."Stop it, slow down your breathing," in that gruff but caring voice he had. Charlie continued to talk to me and explained every single thing he was doing. It was in that moment that I felt better.



The seizures stopped and I knew everything was going to be OK. I was taken to the hospital and released later that day. I tracked down Charlie the next day when I saw the ambulance parked at a local restaurant. I went in and thanked him personally for all he did. Within the next few days I made the decision that I wanted to be like Charlie. I joined the Klein VFD and on my 18th birthday in 1980, I became certified as an ECA. I have for the last 19 years tried to achieve the qualities, professionalism and compassion that Charlie brought to this profession.

Many people who know Charlie know him one of two ways. They either know him as a paramedic or as a person. Those of you who only know Charlie as a paramedic know him as being gruff and outspoken. But those of us who know Charlie the person know a compassionate, caring and loving individual.

I knew Charlie the paramedic for many years before I knew Charlie the person. It all changed in one day. I have never told the following story to anyone. But with his passing, I feel compelled to share it with you so that you truly understand Charlie. I was dispatched to a local emergency clinic for a child poisoning. As many of you know, the normal course of action is to go into the clinic, get a verbal report, paperwork and perhaps talk to the family. Not this day. A doctor met me outside the clinic, holding this very critical 2-year-old child who had ingested liquid acid. I was told by the doctor to go now.

They had already called the receiving hospital and given a report. As this unconscious child lay in the back of my ambulance, his face turning bluer by the moment, I put all my skills to work. The trip to the hospital was short, about six minutes, but seemed to last a lifetime. I had no clue as to what was wrong with this child, only that he was very critical and that I was not going to lose him. As we pulled up to the dock, dozens of hospital staff were waiting. Sadly, the child died about ten minutes later. I was a relatively new in-charge and this was the first child that I had lost while under my direct care. I was devastated. I found a corner of the dock and began to cry. I did not hear Charlie walk up behind me. He was at the hospital on a different unit and had heard about the child. As I turned to see Charlie, he just looked at me. I saw something in his eyes that I had not seen before. Without a word, he wrapped his arms around me and said, "It's all right David. I know that it is hard and that it hurts. You did the best that you could and all that you could." We stood there on that ambulance dock for minutes, Charlie holding me and comforting me. As we separated I saw tears in Charlie's eyes. That was the moment I finally saw Charlie Hooks the person.

For most of our lives we choose people to be our mentors—perhaps a super hero, a movie star, or philosopher. In my paramedic career I have had two mentors, and Charlie Hooks is one of them. Charlie, even though you are no longer with

us, you leave behind a legacy that so many of us will use to remember why we are here. That legacy will help us remember there are always goals to be achieved and that we should never stop learning. Those of you who know him, please continue to strive towards the standards that Charlie set. Those of you who never met or worked with this man, I hope you can learn from him even in his passing. I will truly and deeply miss Charlie.

*David Chapman, EMT-P
Spring*

To Texas EMS Magazine:

I have been around Charlie since the early '70s, back in the old Emergency Corps days, years before there was a Cypress Creek EMS. As many of you know, over two years ago I developed some serious medical problems and my long-time career came to an abrupt end as well as my working association with Charlie. I eventually got to the point where it was time "to get my affairs in order." I typed out my will and power of attorney and other such papers that go along with this. During this time, I went through the usual reflecting when faced with your own mortality and reached an understanding (or rather, was given a gift of understanding) that all things are connected and there is an order and a purpose to all things. Well, I gradually improved somewhat and thankfully have not had to use those papers yet. When Charlie was first diagnosed, I called him knowing that he was pondering some of the same thoughts. He said he

wanted to talk so we had several lunch and dinner meetings. I asked him where he preferred to meet, and so naturally, we always ended up at Whataburger, discussing the many questions of life. He asked questions and I gave him my thoughts, ideas and perceptions about facing this particular obstacle... or opportunity. Charlie said he had decided that he needed to do some "make up" work in his life, that he had been too abrupt and had a quick temper. Trying to be nice, I said "Charlie, you HAVE been pretty much of a bear a lot of the time." Charlie looked over at me and said "No, you're wrong. I haven't been a bear, I've been a real son of a *****!" Excuse the language, but as you know, that was Charlie's sense of humor. Charlie said that he realized that he had to make up for those years and I saw a definite change. I heard him apologize to people that he had not seen in years. He adjusted his attitude and made great strides in this area. I am proud of him.

A good number of people have asked me about Charlie's passing, so I wanted to share that. There was a handful of close friends on both sides of his bed. We even had a John Denver CD playing in the background. Those of you that knew Charlie know that his second passion, other than EMS, was a love of nature, mountains and animal critters of all kinds. John Denver was singing about mountains, animals, aspen trees and such and Charlie passed just about in the middle of the album. It was very fitting. I figured he was already up in those mountains

with John Denver. After tears and more hugs, I don't think it was more than five minutes before we were able to laugh while telling old Charlie stories. We stayed in the room visiting for several more hours reminiscing.

Many people dwell on sorrow and the memories when someone dies. It is only natural and healthy to go through this grieving process and everyone has their own time frame. After a healthy time of mourning, this void that is felt should become the exact opposite. There should be an overflow of fond memories and recollections of that person. After that initial grieving, the memory should be a happy one, one that brings a smile to your face, and yes, some occasional tears, but they, too, should be happy tears. That, I can guarantee you is the way it is supposed to be.

Well, that's quite enough; I

am starting to sound like a preacher and I am not. I am just another friend of Charlie's.

*John Musick
Spring*

To Texas EMS Magazine: Just received the current issue of Texas EMS and want to comment on a couple of articles, both by Gene Gandy. I really enjoyed "November 1, 2025: A paramedic call in the future," in which Jonni and Roy respond to a pickup rollover with a person ejected. I guess some things will never change, no matter how much bells-and-whistles-type technology we have at our disposal.

Have not yet read all of the "Into the future..." section, but I did read Gene's "Scope of Practice" contribution. Very interesting—my initial reaction is that

he is probably right on target with most, if not all, of his points.

*Maxine Pate, EMT-P
Brookshire*

To Texas EMS Magazine: I just wanted to take this opportunity to thank the Texas Department of Health for awarding us a grant in the amount of \$1,098 to be applied toward the purchase of splints and oxygen equipment. I am sure your office is aware of how hard the volunteer fire departments work to obtain equipment. Thank you for this opportunity to make our work a little easier and to provide better service to our patients.

We will be ordering our equipment soon, and once I again I would like to thank you for this assistance.

*Emily Staples
Brazos County Fire Department*

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

Pattie Love Ballard, 24, of Aransas Pass, passed away November 2. She had been certified as an EMT for two years.

Bert A. Bruecher, 49, of Rosenberg, passed away November 14 when he was involved in a motor vehicle collision while responding to a fire-fighting call. An EMT, he had been certified in EMS for three years and was volunteering with Pleak VFD.

James M. Dunham, 36, of Saint Jo, passed away November 18 when he suffered a cardiac arrest while extricating a child from a motor vehicle collision. Dunham was a member of the Saint Jo Volunteer Fire-EMS for 11 years and was certified as an EMT for eight years. He is survived by his wife and two children.

Charles R. Hooks, 52, of Humble, passed away October 8 following a

battle with pancreatic cancer. Charlie began his EMS service in 1975 and since then, he has served on several state committees and in several EMS pilot programs, including the pediatric prehospital provider course. In 1998, Charlie was recognized as the first licensed paramedic in Texas at the Texas EMS Conference. He is survived by his family and many friends in his EMS family.

TDH Honors Emergency Medical Service leaders with 1999 EMS Awards

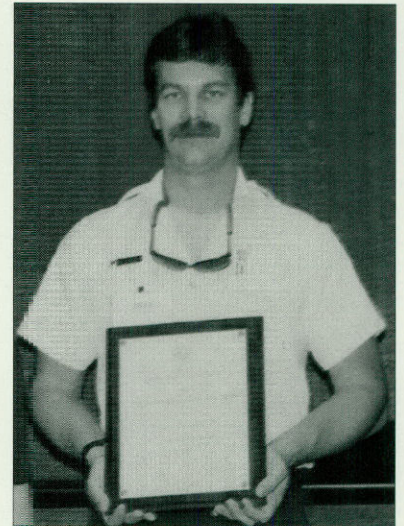
Outstanding EMS Person of the Year Award – Jimmie Hare, NREMT-Paramedic, East Texas Medical Center EMS-Tyler, for leadership and dedication in providing emergency medical services to the citizens of Texas. Hare, a paramedic with East Texas Medical Center EMS in Tyler, serves as the senior Field Training Officer and an instructor for ETMC EMS and is also an instructor for Tyler Junior College. A stickler for protocol knowledge and adherence, Hare always receives high praise from his students for being a tough but fair teacher. Hare also continues to work on the streets and in October of 1998, he assisted in the prehospital delivery of an incomplete breech birth; the baby had been in the birth canal for more than 20 minutes and was in distress. Hare received commendations from three obstetricians for his work on this unique and difficult call.

EMS Air Medical Service Award – Aerocare, for leadership in providing air medical services to local communities. Aerocare averages 120 patient transports per month and serves an area of more than 150 nautical miles in the Panhandle and New Mexico, with helicopters certified as MICU transport units by both the Texas Department of Health and the New Mexico Department of Health. Aerocare personnel participate in numerous community EMS education projects. Recognized in 1998 with the Air Medical Safety Award for 10,000 consecutive accident-free EMS missions, Aerocare has also received awards from the National Business

Aviation Association and is a member of the American Air Medical Association, the National Air Transportation Association and the Texas Ambulance Association.

EMS Educator Award – Laura Kitzmiller, Licensed Paramedic, for dedication to improving EMS education and the role of EMS professionals in the medical field. As a faculty member of Texas A&M University, Kitzmiller has been involved in EMS education in central Texas for more than 20 years. Kitzmiller helped establish the Emergency Care Program at Texas A&M in the 1970s and has advanced EMS education ever since. She helped establish Texas A&M University EMS, which provides emergency and non-emergency service to all aspects of the university annually, and many of her former students credit her with inspiring them to pursue a career in the medical field. Kitzmiller also has produced several community CPR and first aid education efforts. She serves on national committees for the American Heart Association and the National Safety Council.

EMS Medical Director – Edward M. Racht, MD, for work as medical director for Austin/Travis County Emergency Medical Services. Involved with EMS for 15 years, Dr. Racht serves as medical director for several diverse groups, including STAR Flight, major urban EMS providers, 15 volunteer first responder fire departments and 18 regional corporate response teams; all



Terlingua Medics Inc. won EMS Volunteer Service of the Year award. Paramedic Jeff Majewski of Terlingua Medics Inc. accepted the award for Terlingua. Terlingua was honored for its excellent service in spite of long transport times.



Jimmie Hare won EMS Person of the Year in part for the successful delivery of a breech baby during a call. From left, Kathy Perkins, acting chief, Bureau of Emergency Management; paramedic Jimmie Hare; Tammy Carter, mother of the baby; James Carter, the baby Hare delivered; and Jim Arnola, assistant bureau chief.

prehospital medical providers in Austin/Travis County now function under the same standards. He also

continues to work the streets and is frequently seen at calls providing medical care. Also active in international EMS, Racht has worked with the World Bank and two EMS training centers in Russia as part of the health care partnership programs sponsored by the American International Health Alliance.

EMS Administrator Award – John L. “Jack” Howley, director

of Val Verde Regional Medical Center EMS, for leadership in quality prehospital patient care and community wide emergency response. Having worked with Val Verde RMC in Del Rio EMS for almost 20 years, Howley has built the service into a select group of paramedics and EMT-Is and six MICU ambulances. Howley has also used his EMS expertise to assist many other area emergency providers set up drills and EMS courses to increase the overall level of EMS knowledge in Del Rio and the surrounding areas.

EMS Public Information Award – Thelma Lemley, Gulf Coast DWI Awareness Program, for DWI prevention education and injury prevention education across the southeast Gulf Coast area. Lemley has been very

TEXAS EMS CERTIFICATIONS AS OF
DECEMBER 7, 1999

ECA	5,204
EMT	21,313
EMT-I	3,595
EMT-P	10,409
LIC-P	1,971
TOTAL	42,492
COORDINATOR	375
INSTRUCTOR	2,078
EXAMINER	2,472

active for many years in injury prevention education and in raising the awareness of DWI prevention in the southeast Gulf Coast region. She recently organized an Injury Prevention Day for the southeast Texas region which included an appearance by Dr. James "Red" Duke.

Citizen Award – Jay Wilson, for his support and advocacy of local EMS. Wilson worked in the community of Yorktown to raise funds for the local EMS provider and to raise awareness for first aid and CPR training for the public.

EMS Private Provider Award – Snyder EMS, for providing high-quality, compassionate prehospital service to Scurry County. Snyder EMS provides 9-1-1 EMS coverage for the citizens and visitors of Scurry County, while upholding the highest standards in medical treatment protocols and quality improvement. The service's medical director recently completed an EMT course, so as to become more familiar with the conditions under which medics must function.

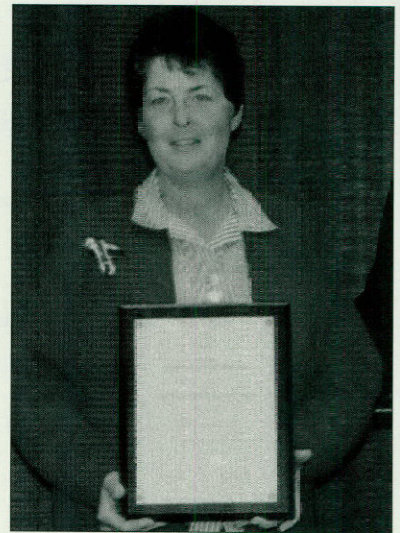
EMS Public Provider Award – Harker Heights EMS, for achievements in community education and leadership in emergency medical service to the community. Harker Heights EMS is a model prehospital care provider, the first in its area to utilize head immobilizers and the 12-lead ECGs in the field. Approximately half of HHEMS personnel are instructors in BTLIS, ACLS or PPPC, and they share this knowledge by holding training courses for other providers. HHEMS also educates the public by participating in community events such as National Night Out and fire truck/ambulance displays. The service is currently participating in a

prehospital 12-lead ECG study.

EMS Volunteer Provider Award – Terlingua Medics Inc., for providing excellent service to its residents. Terlingua Medics Inc. serves more than 3,000 square miles of some of the most isolated and rugged west Texas area. Because the average call lasts five hours, the service's members spend hours learning specialized rescue skills and additional medical skills. The service also promotes community involvement with CPR training, blood pressure screenings and Project Rescue Me, an identification program for area children.

EMS First Responder Award – Austin Fire Department, for leadership in EMS training and community awareness. With 1,059 personnel, Austin Fire Department has 903 EMS-certified personnel who responded to 31,271 medical assistance calls in 1998. The service frequently provides CPR training, fire prevention education and injury prevention education to the Austin area and works within the Austin/Travis County emergency response group.

Outstanding Regional Advisory Council – North Central Texas Regional Advisory Council, for continuing excellence in regional trauma system development. This well-organized RAC has developed a regional communication center which facilitates trauma patient acceptance to the hospital—often in less than 10 minutes. They have developed an injury prevention subcommittee and have implemented the Think Child Safety program in multiple school districts. They also produce a RAC magazine which includes informative and instructive articles about the RAC and trauma issues.



Longtime educator and licensed paramedic Laura Kitzmiller took top honors for EMS Educator of the Year. Kitzmiller has taught thousands of students in central Texas in EMS for the last 27 years.

AROUND THE STATE AND NATION
EMS NEWS AND RESOURCES

On Duty

By Kelly Harrell

Tech offers Texas' first EMS bachelor's degree

Texas Tech University Health Sciences Center will begin offering a bachelor of science degree in EMS in the fall of 2000. The program, the first of its kind in Texas, will focus on preparing working EMTs for leadership roles in EMS. For information, call the TTUHSC at (806) 743-3220.

Institute offers safety resources

Looking for great information about

vehicle safety? The Insurance Institute for Highway Safety at <http://www.hwysafety.org> offers statistics and information on topics such as airbags, safety belt use, urban crashes and bicycle safety. The site also offers crash test information by model and year of vehicle.

Actor takes EMS experience to screen

If you saw the opinions on the listserver, the movie *Bringing Out the Dead*, was no winner when it came to technical accuracy. But its star, Nicholas Cage, did spend some time with EMS crews in East Los Angeles in preparation for the role. The *Austin American-Statesman*

quoted Cage's opinion of EMS after spending time with the crews: "You could really see how it is a microcosm of life where everything is dark, everything is negative. The days where nobody is saved. The paramedics say you can't think about all that when you're on the job. But when I'd go home at night, I'd think, 'That can happen to my kids.' "

Founder of Dyna-Med dies

Glenn Hare, a former San Diego police officer who went on to develop an adjustable traction splint, died in October at age 74. The Hare Traction Splint launched Hare's medical products company, Dyna-Med. Hare sold the company to Gall's in January of 1999.



Study suggests 'scoop and run' way to go

A new study suggests that the best way for emergency crews to save the lives of trauma victims is to use the "scoop and run" approach—concentrate on getting the patients to the hospital fast—rather than taking the time to do advanced life-saving skills in the field. The joint study involving urban hospitals in Toronto, Montreal and Quebec showed that survival rates of critically injured people increased if they were given only basic life support on the scene, then transported to a hospital for more advanced procedures. An exception is cardiac problems, which have a limited window of opportunity for treat-



ment. For the complete text of this article, go to <http://www.paramedicine.com>.

PEPP course to train trainers

The American Academy of Pediatrics (AAP) is looking at Texas as one of the first sites for the Pediatric Education for Pre-hospital Professionals (PEPP) "train-the-trainer" course. This two-day course is being considered for summer or fall 2000. While the cost of this training session is approximately \$325 per person, the AAP will subsidize this course to bring registration for individuals down to \$150 per person. This registration price includes the cost of the PEPP student and instructor manuals.

There will be room for up to 50 attendees. TDH will be taking applications for positions in this course with consideration given to the following:

- Previous Pediatric Pre-hospital Provider Course (PPPC) instructors

- Number of PPC courses taught in the past
- Geographic location to ensure good coverage of the state
- The number of entities this person is responsible for educating

Applications and additional information will be made available through the Texas EMS web page: <http://www.tdh.state.tx.us/hcqs/ems/emshome.htm>.

If you have any questions, contact Marta Elizondo-Fournier at (512) 834-6700, ext. 2331, or email her at marta.fournier@tdh.state.tx.us.

Still time to comment on rules

The EMS and Trauma System rules that were proposed by the Texas Board of Health at its October meeting were published in the October 29, 1999, edition of the *Texas Register*. Public comment period runs through January 27, 1999. You can read them in their entirety at the following website: <http://lamb.sos.state.tx.us/>

[texreg/](http://www.tdh.state.tx.us/hcqs/ems/Ruldraft.htm) or you can check out individual rules on the Bureau of Emergency Management's website at: <http://www.tdh.state.tx.us/hcqs/ems/Ruldraft.htm>.

Anyone may submit written comments during this time (emails and faxes are also acceptable) to Kathy Perkins, acting chief, Bureau of Emergency Management, Texas Department of Health, 1100 W. 49th St., Austin, Texas 78756; or fax to (512) 834-6736; or email to kathy.perkins@tdh.state.tx.us or jim.arnold@tdh.state.tx.us.

New law: expired certificate means no EMS

In case you missed it in the last issue of *Texas EMS Magazine*, a law passed in the last legislative session amends the Health and Safety Code relating to expired EMS certificates. The law now reads that "... A person whose certificate has expired may not engage in activities that require certification until the certificate has been renewed." The change will go into effect when the new

rules are approved by the Board of Health. The changes are mandated under the law and the rules must reflect the law.



Mexican dispute keeps American from medical care in U.S.

San Diego resident Donald Kraft died in August after he broke his neck in a car wreck in Baja California. The driver of the second car was Baja's attorney general for human rights. The Mexican official demanded that the injured man's family pay \$7,000 before he would allow the man to be airlifted to San Diego for emergency treatment. Two armed guards were posted at Kraft's room at the Mexican hospital. It took 18 hours for the money to arrive, after which Kraft was flown to San Diego. The money reportedly paid

State	Fatal Crashes	Total Deaths	Deaths/100,000	State	Fatal Crashes	Total Deaths	Deaths/100,000
AL	958	1,071	25	MT	208	237	27
AK	64	71	12	NE	271	315	19
AZ	859	980	21	NV	315	361	21
AR	545	625	25	NH	115	128	11
CA	3,112	3,494	11	NJ	673	743	9
CO	551	628	16	NM	374	424	24
CT	306	329	10	NY	1,389	1,498	8
DE	106	115	15	NC	1,433	1,596	21
DC	50	54	10	ND	79	92	14
FL	2,548	2,824	19	OH	1,289	1,422	13
GA	1,415	1,569	21	OK	647	755	23
HI	113	120	10	OR	485	538	16
ID	224	265	22	PA	1,354	1,481	12
IL	1,241	1,393	12	RI	70	74	7
IN	880	978	17	SC	912	1,002	26
IA	386	449	16	SD	149	163	22
KS	441	493	19	TN	1,110	1,216	22
KY	766	858	22	TX	3,160	3,577	18
LA	803	922	21	UT	308	350	17
ME	176	192	15	VT	88	104	18
MD	549	606	12	VA	834	935	14
MA	377	406	7	WA	588	660	12
MI	1,235	1,367	14	WV	330	354	20
MN	575	650	14	WI	632	714	14
MS	842	948	34	WY	129	154	32
MO	1,017	1,169	21	U.S.	37,081	41,471	15

Texas tops traffic death list

Texas led the nation in traffic fatalities last year, with alcohol-related crashes accounting for nearly 30 percent of the highway deaths, according to U.S. Department of Transportation. Driving at unsafe speeds—but under the speed limit—in traffic and under bad road conditions was listed as the second-leading cause of death. Texas had 3,577 traffic deaths, while California came in second with 3,494 fatalities and Florida was third with 2,824. However, Texas did not lead the nation in the number of per capita deaths. Texas had 18 deaths per 100,000 people, while Mississippi had 34 traffic deaths per 100,000 people. The U.S. average for deaths was 15 per 100,000.

Of the crashes in Texas, 1,058 were alcohol-related. The Texas Commission on Alcohol and Drug Abuse estimates that 17 percent of adult Texans have a drinking problem, making alcohol the top drug problem in the state.

for the air ambulance and a court bond or fine stemming from the crash. Kraft died in San Diego from pneumonia brought on by the injury. However, the coroner said it was not possible to determine whether the treatment delay was a factor in Kraft's death. Mexican law requires those at fault in crashes to pay in advance for any fines or claims that could

result, but that rule has been routinely waived in the past for Americans critically hurt.

Medics shot in separate incidents

A Florida EMT trying to get to a disabled woman locked in her apartment was shot in the chest when he climbed through the wrong window and was mistaken for a burglar.

Robert Simpson, 26, a five-year veteran of Ocala Fire Rescue was shot point-blank. He underwent five hours of emergency surgery. Simpson and his partner had been dispatched to help an 86-year-old woman who had fallen out of bed and could not get up. When the medics were unable to get in the apartment, Simpson walked around to the

back of the building, found a window ajar and climbed in.

Another medic was shot in an Indianapolis ED after the woman described as mentally unstable opened fire after the unit arrived at the hospital, wounding the paramedic who transported her. Brian Pate, 31, was hit once in the abdomen. He was listed in fair condition after surgery. Pate had

been working for Wishard Ambulance Service for about ten months. The woman, who had carried the revolver in her backpack in the ambulance, had a criminal record.

IAFF reports exploding LifePak

The International Association of Fire Fighters has received a report of an explosion involving Physio-Control LifePak 500. Two Okaloosa, Fla., firefighters were treated and released after the explosion. The unit was being checked as part of daily maintenance procedures when it quit responding normally. The unit was brought into the station where the captain and assistant chief tried to work with the unit, and it exploded. After reports of the first explosion, a Florida volunteer fire department inspected its AED and found it had exploded as well. Physio-Control issued a statement on its web site (<http://www.physio-control.com/lithiumbattery.html>) explaining that the explosion were due to 'sudden venting' of the lithium batteries. For more information, go to

Physio-Control's web site or call (800) 732-3088, or visit the IAFF web site at http://www.iaff.org/iaff/Health_Safety/safety_alert.html.



Men credit airline AEDs for saving their lives

Men who were defibrillated aboard airplanes recently became three of the first members of the American Airlines' Golden Heart Club. Membership includes people saved by defibrillators and flight attendants and passengers who use the device to save lives. Since the program began in July 1997, six people have been saved by the portable defibrillators that are now on board all of American Airlines' 650 planes. The defibrillators have been used more than 100 times to monitor the hearts of passengers with cardiac problems. American Eagle, the regional affiliate of American

Airlines, recently announced that it will equip its fleet of 229 jet and turboprop aircraft with AEDs by spring of 2000. Singapore Airlines and Alaska Airlines also announced recently that the companies will outfit aircraft with AEDs.

Moving up

Kurt Hall, LP, was recently promoted from Shift EMS Coordinator to Division Chief for EMS and Training for the Addison Fire Department. Hall has an associate's degree in paramedicine and a bachelor's degree in business management. He is currently working on a master's degree in public administration. In addition, Hall is a certified firefighter and licensed peace officer, as well as a TDH instructor and examiner. He teaches EMT and paramedic courses at Collin Community College.

CE ANSWERS FOR NOVEMBER/DECEMBER '99

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



Web sites

Looking for a cool web site with lots of EMS news? Go to <http://www.emsvillage.com>

The National Highway Traffic Safety Administration web site has a wealth of info on all kinds of safety and injury prevention issues. Go to <http://www.nhtsa.gov>

TDH's Injury program has added a new report to its web site profiling injuries along the Texas-Mexico border: <http://www.state.tx.us/injury>. More than two million Texans reside along the border, and one out of every nine Texans lives in the 32 counties that are within the 100 kilometers of the Rio Grande.

Also new in the injury program is a link in the New Items section to the Surgeon General's 15 Key Recommendations from his call to action concerning suicide. Go to <http://www.tdh.state.tx.us/injury>.

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
Fax (512) 834-6736

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.

San Angelo SAFE KIDS Coalition receives national recognition

The San Angelo SAFE KIDS Coalition, led by San Angelo Community Medical Center, received the 1998 Outstanding SAFE KIDS Week Award at the National SAFE KIDS Leadership Conference in January 1999. The award recognized San Angelo SAFE KIDS Coalition's efforts to educate a large number of children using creative approaches to overcome obstacles to successful injury prevention education.

Montgomery County firefighters hold fundraiser

The Montgomery County Firefighters Foundation held its annual Montgomery County Firefighter Ball and Fire Expo '99 in October. The expo had public safety exhibits, photo shoots on fire engines, fingerprinting for children and other children's activities. The funds raised from

these events will assist families of Montgomery County fire and EMS personnel killed in the line of duty or who have fire-related medical expenses not covered by insurance. Funds will also be used to form a civilian fire academy, to pay for EMS training and to assist departments in buying equipment.

Weather emergency plans established and tested in Harlingen area

A program designed to provide greater community awareness of health and medical needs during severe weather hazards has been implemented in the Harlingen-San Benito areas. The first of its kind in Texas, the plan sets up guidelines, procedures and instructions for each participating agency in sheltering and evacuating people during severe weather. The plan's participants include the American Red Cross, Harlingen and San Benito emergency management programs, Cameron County Health Department, nine hospitals and nursing homes in both cities. The plan, which can be used in all extreme weather situations, from hurricanes to extreme cold to drought, got its first test when Hurricane Bret struck the Texas coast.

Laredo FD receives training in sign language

Approximately 140 firefighters/paramedics with Laredo FD recently received training in American Sign Language. The

From left, Dr. Martin Eichelberger and Dr. Heather Paul, both with the National SAFE KIDS Campaign, presented the 1998 Outstanding SAFE KIDS Week Award to Teresa E. Scott, San Angelo SAFE KIDS Coalition coordinator, at the National SAFE KIDS Leadership Conference in Washington, D.C.



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three-week training introduced the medics to sign language and allowed them to practice with hearing-impaired students. Demographic studies of Laredo have shown that more hearing-impaired individuals are moving into the Laredo area.

Eastland FD hosts firefighter challenge

In September, Eastland FD hosted its first annual Old Rip Firefighter Challenge. The event consisted of a high-rise hose carry, a victim rescue drag, a hose advance and a hammer swing, and had two parts: a four-member team relay and an individual competition. The competition began with participants changing into full protective clothing and self-contained breathing apparatus before actually beginning the course. Winners in the team competition were Haltom City FD #2, first place; Comanche FD, second place; Haltom City FD #1, third place; and Haskell FD, fourth place. In the individual competition, Greg Wagner of Haltom City FD won first place. Prizes were donated by Casco Ind., Fire Storm, Hoyt Breathing Air Products, Pol-Lee Fire Extinguisher Co., Fire Supply Inc., American Firewear, Lion Apparel and Ferrara Fire Appartus.

Eastex EMS, local citizen recognized for save

Eastex EMS and Martin Rojas of J&A Logging Co. were re-



Eastex EMS personnel watch as a patient is airlifted to Louisiana State University. Though critically injured when a 150-foot tree fell on him, the patient is now doing well. Eastex EMS and a logging coworker of the victim were recently honored for their efforts in saving his life.

cently recognized for their efforts in saving the life of a logging worker. In August, Eastex EMS was called to assist a man who had been struck by a falling 150-foot tree. Once on scene, the responding EMT-Is recruited a logging coworker to assist them in facilitating the patient's breathing. The coworker monitored the patient's breathing while the medics tended to the man's injuries, which included two collapsed lungs, bilateral femur fractures and a head injury. The patient was air-transported to Louisiana State University and after several weeks in the hospital, now has an excellent prognosis.

Groom educates area children during EMS Week

Groom Volunteer Ambulance Service, located in the Panhandle, visited the local elementary schools during Texas EMS Week '99, teaching the children about calling 9-1-1 and

showing them the ambulance. Personnel of GVAS were also guest readers at the Groom Branch Library story hour, during which they taught the children about calling 9-1-1 and allowed the children to tour the ambulance and the fire truck.

Midland College hosts emergency workshop

Midland College hosted a 'Desert Emergencies Workshop' in October. The workshop included ten scenarios: five BLS-based and five ALS-based. The scenarios allowed the students to work on skills such as needle decompression and cricotracheotomy. The class was held on the Midland College Holiman Wagon Wheel Ranch, approximately 35 miles south of Midland, and involved mainly hands-on clinical work. The only classroom time was the debriefing after each exercise and Dr. James "Red" Duke's presentation to the students about the future of

telemedicine. Approximately 20 Rankin high school and Midland College students were the 'victims' for the scenarios, which included extrications and an all-terrain vehicle wreck.

Paramedic recognized for efforts in organ transplant education

David Walker, a volunteer paramedic for Fort Worth Meacham Airport's Mercy Med-Flight, received recognition in the *Fort Worth Star-Telegram* for participating in the fifth annual Texas Rangers Donor Awareness Game. The game promotes organ donation and strives to show how healthy organ recipients can be after a successful transplant. Walker was a paramedic for Rural/Metro through August 1997, before cystic fibrosis destroyed both of his lungs, making him unable to exert himself. After he received two new lungs, Walker returned to emergency medical work and is currently studying in a nursing program.

Odessa EMS train for radioactive spills

Odessa emergency personnel recently trained in how to respond to low-level radioactive spills along the Waste Isolation Pilot Plant (WIPP) route, along I-H 20 near Odessa. While the possibility of a leak is slim, personnel from Odessa FD, Odessa PD and Ector

County sheriff's office were trained to identify the types of waste that might be transported through their response areas and the situations that might result in a radioactive situation, so they would know to secure the area and how to safely make any necessary rescues. The WIPP route runs through 22 Texas counties to Carlsbad, New Mexico.

Air Ambulance America celebrates 25th anniversary

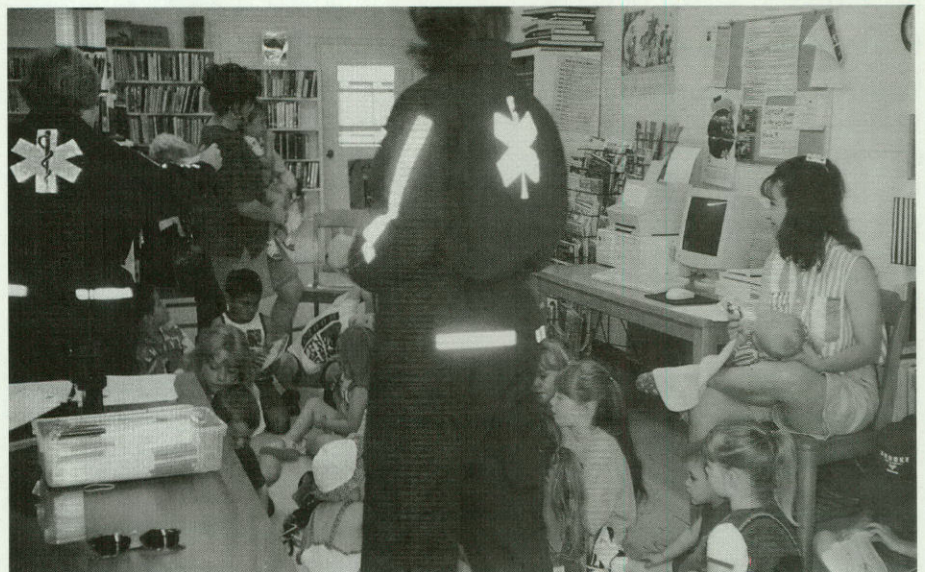
Air Ambulance America, headquartered in Austin, celebrated 25 years of air medical service in 1999. Begun in 1974 to provide air medical transportation from St. Louis to Temple for a stroke patient, AAA provided air evacuation for medical emergencies at Willie Nelson's Second Annual Fourth of July Picnic and

transported Howard Hughes from Acapulco to Houston for medical care in 1976. AAA now uses a RN/paramedic team to transfer patients from Europe, the Caribbean, Central America, South America and North America to hospitals in the United States.



Shonna Cowen, a paramedic from Iran, performs a needle decompression on a manikin. Students participating in Midland College's Desert Emergencies Workshop practiced medical skills and rescue techniques that might be required of them in a wilderness-type rescue.

Charlotte Whatley, EMT-P, and Kerry Jenkins, EMT-I, of Groom Volunteer Ambulance Service teach children at a Groom Branch Library about calling 9-1-1 during Texas EMS Week '99. The children also toured the ambulance and a fire truck.



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Air Ambulance America's Lear 25 prepares to transport a pediatric patient on a ventilator. Air Ambulance America is celebrating 25 years of air medical service within the U.S. and to Europe, the Caribbean, Central America and South America.

AED conference highlights rapid intervention

Cynthia Morse chokes back tears as she tells the story to a group of people attending an AED conference of how her life changed dramatically last January. The conference, "Shocking News about AEDs," was sponsored in May by Austin EMS. That day in January, Cynthia, who had no history of heart problems, suffered sudden cardiac arrest while shopping with her two kids, ages 7 and 9, at Home Depot in Austin. Because Cynthia received appropriate care early, she was able to join other survivors at the conference to deliver the message that defibrillation saves lives.

Five hundred people experience cardiac arrest every year in Travis County. In the United States, as many as 700 to 1,000

cardiac arrests occur daily and more than 500,000 people die each year from sudden cardiac arrest. Survival rates vary from zero percent to as high as 40 percent in some areas of the country.

Medical professionals recognize the importance of delivering rapid care to the patient when cardiac arrest occurs. If an AED is readily available, the chances for surviving cardiac arrest are increased significantly in many cases.

Remmy Morris, CPR/first aid coordinator for Austin EMS, is working to bring health care professionals and lay persons together so they can educate Central Texans about AEDs. Placing AEDs out in the community will enhance the rapid delivery of care to people who may suffer cardiac arrest. The

conference had three main goals: introduce AEDs to the community with special emphasis on educating facility managers and corporations; to provide a forum for discussion for those who are familiar with AEDs; and to thank those who have been working to promote usage of AEDs.

Technological advances in the defibrillation industry are changing the way cardiac arrest care is delivered to patients. These devices are easier and safer to use than ever before, and are less expensive, making it possible to put AEDs in many locations. For more information on how communities can promote AED usage, contact Remmy Morris (512) 469-2071 or email her at remedios.morris@ci.austin.tx.us. —Sharon Vaughan

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Texas Department of Health EMS Offices

**Bureau of
Emergency Management**
<http://www.tdh.state.tx.us/hcqs/ems/regions.htm>

1100 West 49th Street
Austin, Texas 78756-3199
(512) 834-6700

Public Health Region 1
<http://www.r01.tdh.state.tx.us/ems/emshome.htm>

Terry Bavousett
P.O. Box 60968, WTAMU Station
Canyon, Texas 79016
(806) 655-7151

Denny Martin
1109 Kemper
Lubbock, Texas 79403
(806) 744-3577

Public Health Regions 2 & 3
<http://www.tdh.state.tx.us/hcqs/ems/r2&3home.htm>

Jimmy Dunn
1351 East Bardin Road
P. O. Box 181869
Arlington, Texas 76096-1869
(817) 264-4404

Jerry Bradshaw
4309 Jacksboro Hwy, Suite 101
Wichita Falls, Texas 76302
(940) 767-8593

Andrew Cargile
1290 S. Willis, Suite 100
Abilene, Texas 79605
(915) 690-4410

Public Health Regions 4 & 5
<http://www.tdh.state.tx.us/hcqs/ems/r4&5home.htm>

Brett Hart
1517 W. Front Street
Tyler, Texas 75702-7854
(903) 533-5370

Public Health Region 6
<http://www.r06.tdh.state.tx.us/ems/r6home.htm>

C. Wayne Morris
5425 Polk Street, Suite J
Houston, Texas 77023
(713) 767-3333

Public Health Region 7
<http://www.r07.tdh.state.tx.us/ems/ems.htm>

Rod Dennison
2408 S. 37th St.
Temple, Texas 76704-7168
(254) 778-6744

Public Health Region 8
<http://www.tdh.state.tx.us/hcqs/ems/r8home.htm>

Lee Sweeten
1021 Garner Field Road
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(830) 278-7173

Steve Hanneman
Fernando Posada
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San Antonio, Texas 78229
(210) 949-2050

Public Health Regions 9 & 10
<http://www.tdh.state.tx.us/hcqs/ems/r910home.htm>

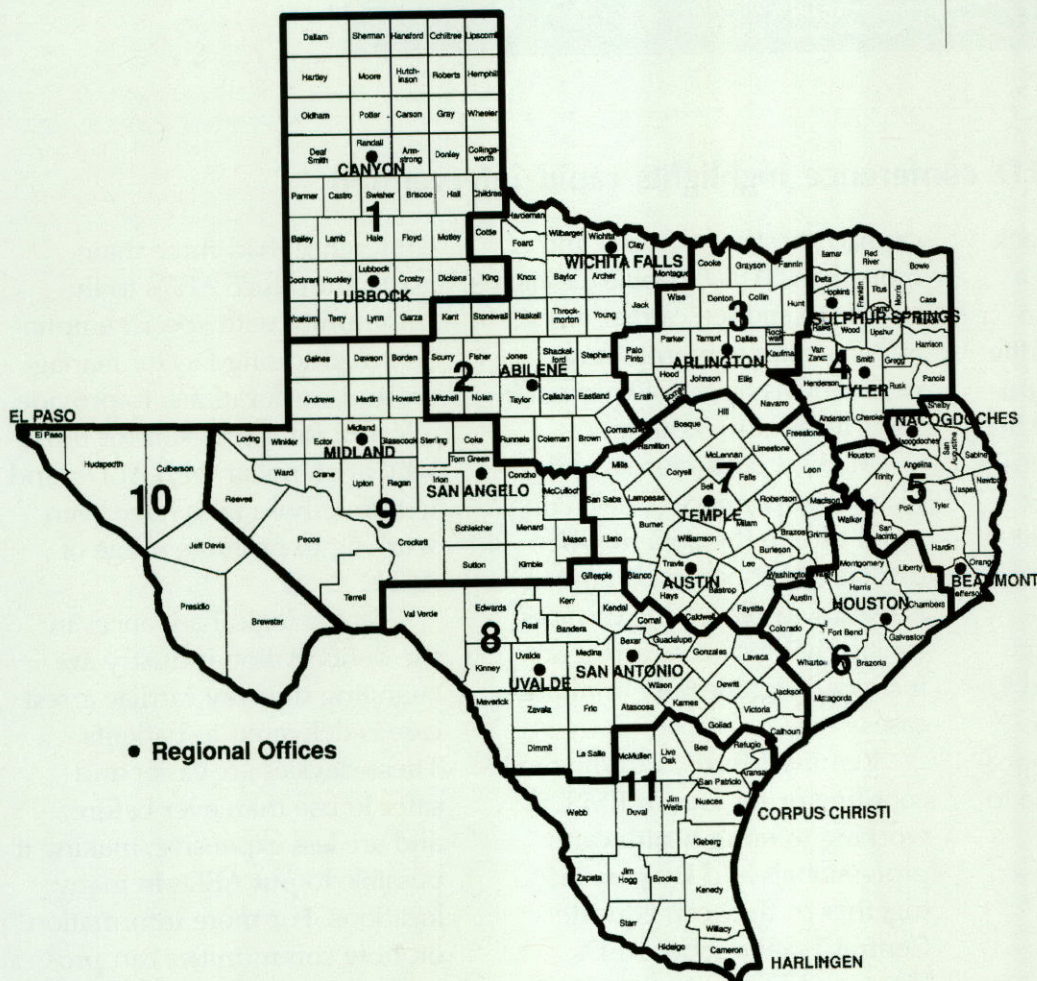
Tom Cantwell
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El Paso, Texas 79905
(915) 774-6200

Leland Hart
2301 N. Big Spring, Ste. 300
Midland, Texas 79705
(915) 683-9492

Public Health Region 11
<http://www.tdh.state.tx.us/hcqs/ems/r11home.htm>

Noemi Sanchez
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Harlingen, Texas 78550
(956) 423-0130

Rothy Moseley
1233 Agnes
Corpus Christi, Texas 78401
(361) 888-7762 x281



Annual Texas EMS Salary Survey

The salary surveys are in, and there are no surprises: people are still working long hours and making less money than they would like. This year we received 166 surveys, compared to just 119 last year. One interesting fact: there was a big increase in the number of surveys completed by fire department personnel—nearly 40 percent of the responses came from the fire service. That might account for the higher salaries in this year's survey, as fire departments have traditionally paid more generously. However, more than 75 percent listed themselves as field medics; another 15 percent listed management.

Since was the first year for licensed paramedics, we have included some information on their pay and employment status. We plan to use this as a benchmark to see if licensure does make a difference in salaries. Thanks to those people who took the time to complete the survey. We hope for even more responses next year.

—Amos Hunter



Photo by Dan Brunner

	Average age of respondents	Average years in EMS	Male Respondents	Female Respondents
1998	37	8.9	69%	31%
1999	32	6.5	72%	28%

Salaries

More then \$60,000

\$50-60,000

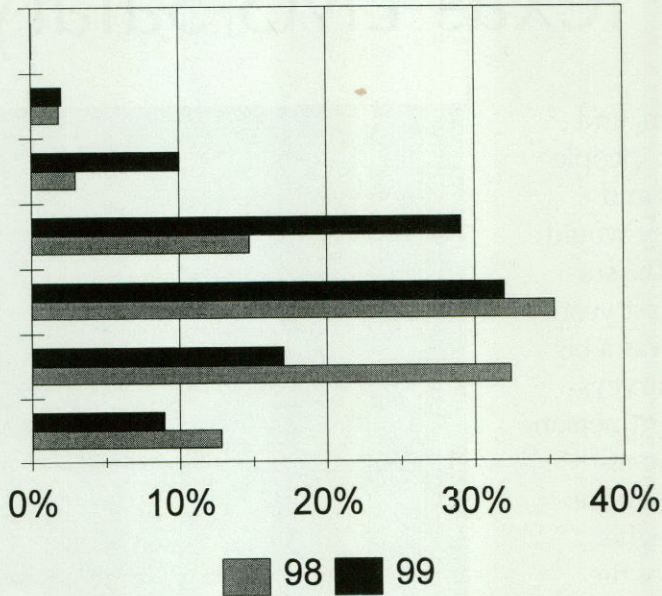
\$40-50,000

\$30-40,000

\$20-30,000

\$10-20,000

Volunteer/not paid



Type of Service

Other

Hospital Based

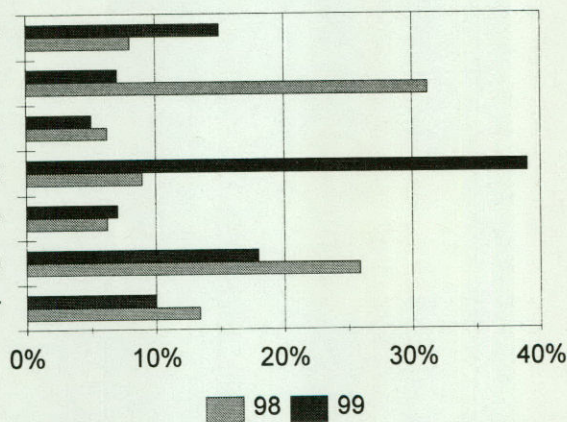
County

Fire Department

3rd City Service

Private

Volunteer



What don't you like about EMS?

- Washing ambulances
- Low wages
- Lack of public understanding of what we do
- Not being considered a professional

Why did you go into EMS?

- I enjoy helping people and meeting new faces
- I liked emergency work and wanted to volunteer in my community to help
- More exciting than nursing
- My parents became EMTs and I listened to their stories

LP Salaries

More then \$60,000

\$50-60,000

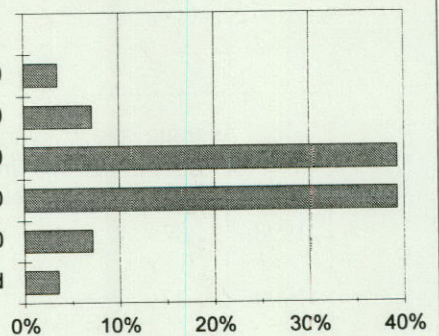
\$40-50,000

\$30-40,000

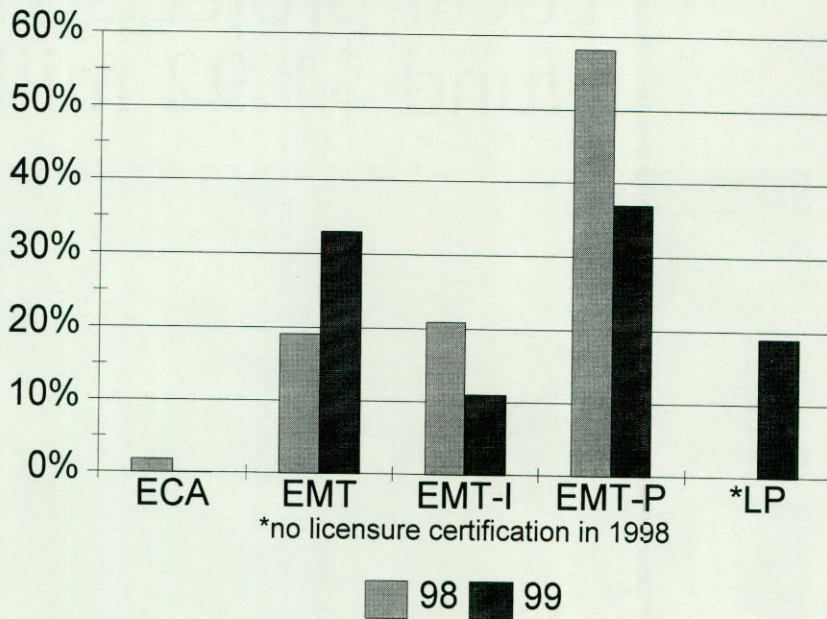
\$20-30,000

\$10-20,000

Volunteer/not paid



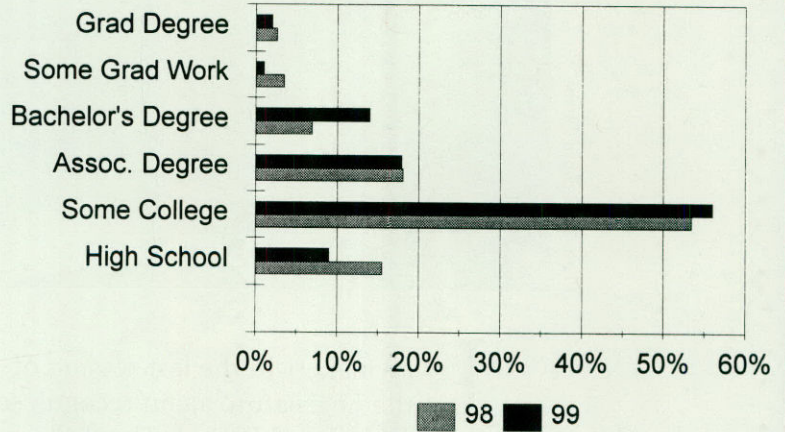
Certification Level



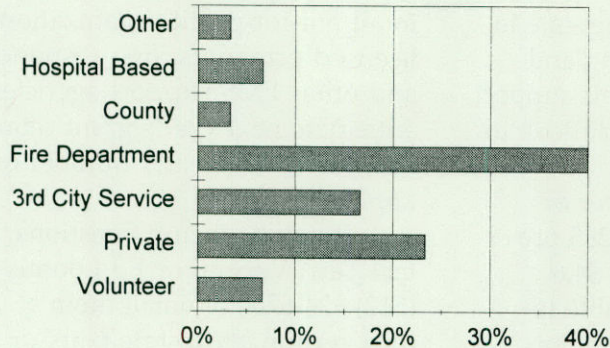
What do you see as the future of EMS?

- Expansion of duties
- Having more responsibility
- Expanding technology

Level of Education



LP Employment



What role does TDH, Bureau of Emergency Management play in EMS?

- They help to make regulations and improvements
- Maintain and regulate EMS systems
- At our service, they've helped a lot with grants for ambulances

By Ed Loomis

Local projects grants fund \$1.92 million



Photo by Richard Devoe

Lawmakers in the last session of the Legislature again recognized that TDH's Local Projects Grant Program continues to serve the EMS community well by extending funding for the project by two more years. The money is used throughout the state to fund EMS equipment, training and even ambulances. Without this support, many services would find it difficult to maintain even basic services.

We had a record number of applications for the grants: 285 proposals asking for more than \$4.6 million. Of those, we were able to fund 219 projects for \$1.92 million. The newly-funded projects include 34

ambulances, 82 AEDs, 30 monitor/defibrillators and 72 global positioning systems in addition to training programs and communication and medical equipment.

Local projects grants are available to all not-for-profit organizations, licensed providers, first responders and other EMS support agencies. We anticipate next year's grant request to draw an even greater number of applicants.

If you have any questions, contact Terri Vernon or Ed Loomis at (512) 834-6700 or email them at terri.vernon@tdh.state.tx.us or ed.loomis@tdh.state.tx.us.

🚒 EMS Facts: For every 1000 DWI arrests in 1997, 347 offenders were jailed or placed on probation, up from 151 in 1986. —U.S. Justice Department

The following organizations received grants:

79 East VFD, Palestine, \$2,150, pagers and medical equipment

Adrian EMS, Adrian, \$1,695, continuing education and a pulse oxymeter

Anderson County First Responders Assoc., Inc., Palestine, \$2,560, Global Positioning Systems (GPS)

Andrews City/County EMS, Andrews, \$9,873, radios/repeaters and a monitor defibrillator

Anna Volunteer Fire Department, Anna, \$2,960, automated external defibrillators (AED)

Appleby Fire Department, Nacogdoches, \$2,080, O₂ equipment

Austin County Emergency Medical Services, Bellville, \$14,432, Emergency Care Attendant training, AED, oxygen equipment and suction units

Austin Fire Department, Austin, \$4,199, an ECG generator

Avinger Volunteer Fire Dept., Avinger, \$496, hand held radios

Bailey County EMS, Muleshoe, \$35,000, an Ambulance

Bailey County Sheriff Department, Muleshoe, \$7,000, AED

Balmorhea Volunteer Ambulance Service, Balmorhea, \$1,304, a pulse O₂ and Kendrick Extrication Devices (KED)

Beach City Volunteer Ambulance Service, Baytown, \$2,460, an AED and suction equipment

Bells/Savoy CES, Bells, \$2,791, radios, suction equipment and a cot

Benavides EMS, Benavides, \$4,535, a monitor defibrillator

Big Country EMS Providers Organization, Abilene, \$38,560, EMT training, a computer, radios, pagers, GPS, an alert receiver, a Stokes basket, a cot, a monitor defibrillator, pulse O₂, safety straps, splints, backboards, O₂ equipment, suction equipment and a KED

Blanco Volunteer Ambulance Corps, Blanco, \$1,740, radios and radio equipment

Blue Ridge Volunteer Fire Dept, Blue Ridge, \$3,395, a radio, an AED, KED, backboards and a B/P kit

Bogata Fire & Rescue, Bogata, \$1,645, O₂ equipment, stretchers, a CombiCarrier and a triage kit

Boonsville and Balsora VFD, Bridgeport, \$2,364, radios, pagers, backboards and O₂ equipment

Borden Co EMS, Gail, \$3,813, EMT training and an AED

Brady-McCulloch County EMS, Brady,

\$4,748 a monitor defibrillator

Brazos Valley Regional Advisory Council, Bryan, \$20,863, EMT training, radios, pagers, slide projector, AED, laryngoscope kit, backboards, O₂ equipment, B/P Kit

Brewster County Ambulance Service, Marathon, \$4,000, a hydraulic rescue tool

Briaroaks Volunteer Fire Dept, Inc., Burleson, \$9,707, extrication equipment

Brock Dennis Volunteer Fire Dept, Inc., Dennis, \$1,025, medical equipment and a KED

Brookshire-Pattison Area Volunteer Emergency, Brookshire, \$10,364, monitor defibrillators

Brownsville Emergency Medical Services, Brownsville, \$10,403, a prevention program

Burnet Emergency Medical Services, Burnet, \$35,000, an Ambulance

Butler VFD First Responders, Oakwood, \$2,327, EMT training, radios, suction kits, B/P Kit, KED & backboards

Bynum Volunteer Fire Dept, Bynum, \$1,828, a radio, pagers, O₂ equipment, a KED & pediatric backboard

Caldwell County Medical Assist Team, Lockhart, \$6,985, O₂ equipment and equipment bags

CareFlite, Dallas, \$2,400, backboards

Carlisle Vol Fire Dept / First Responder, Price, \$4,844, GPS, radio pagers, B/P kits, an AED, intubation equipment and O₂ equipment

Central Texas Trauma Council, Belton, \$56,120, EMT, radios, GPS, AED, monitor, KED, defibrillators, laryngoscopes, pulse oxymeters, O₂ kits, pediatric immobilizers, glucose meters, backboards, head blocks, rescue equipment, and stretchers

China Spring Volunteer Fire Department and Rescue, China Spring, \$3,050, an AED, backboards and O₂ equipment

Cibolo Volunteer Fire Dept, Cibolo, \$6,614, a hydraulic rescue tool

Cisco EMS, Cisco, \$2,370, EMT training, traction splints, rescue equipment and PFD

City-County EMS, Mineral Wells, \$28,600, an Ambulance remount, stair chairs and car seats

Clay County Memorial Hospital EMS, Henrietta, \$35,000, an Ambulance

Coahoma Fire & EMS, Coahoma, \$744, spider straps, a pediatric backboard and B/P kits

Collingsworth County, Wellington, \$35,000, an Ambulance

Collinsville Volunteer Fire Dept, Collinsville, \$2,100, an AED and an airway kit

Concho Valley Regional Advisory

Council for TSA K, San Angelo, \$18,100, EMT training and instructor training

Cooke County EMS, Gainesville, \$11,358, AED and extrication tools

Crafton Volunteer Fire Dept, Chico, \$3,100, AED, backboards and O₂ equipment

Crane, City of Crane, \$6,000, a LifePak

Crawford Emergency Medical Service, Inc., Crawford, \$805, a pulse oxymeter, fast strap, a VCR and rolling TV cart

Crosbyton Clinic Hospital EMS, Crosbyton, \$5,400, EMT training and AED batteries

Crossroads/Cornett VFD, Hughes, \$1,298, a radio and TV/VCR

Crystal Beach Volunteer Fire - Rescue - EMS, Crystal Beach, \$35,000, an Ambulance

Cuero Community Hospital / EMS, Cuero, \$35,000, an Ambulance

Danevang Volunteer Fire Department, Inc., Danevang, \$10,212, extrication equipment

DCBE/Acton Volunteer Fire Dept, Granbury, \$1,676, a radio, an airway kit, O₂ equipment, splints and backboards

Dean Dale VFD, Wichita Falls, \$1,315, first responder and hazardous materials, head restraints, spider straps, spinal/cervical equipment, O₂ equipment, suction equipment and B/P kits

Denver City Emergency Medical Service, Denver City, \$2,428, manikins, broselow tape and a power charger

Denver City Police Dept, Denver City, \$6,060, AED

Dickens County Ambulance Service, Dickens, \$8,300, EMT training, Cardiac Life Support training, a computer, software and a battery charger

Dimmit County EMS Dept, Carrizo, \$31,500, an Ambulance

Eagle Pass, City of Eagle Pass, \$3,265, EMT training and CPR manikins

East Lake Limestone VFD and Emergency First, Jewett, \$857, extrication equipment, O₂ equipment and B/P kits

Eastland Fire Dept, Eastland, \$600, a computer

Ector County, Odessa, \$8,000, AED, O₂ tanks and regulators

Elmo Volunteer Fire Department, Inc., Elmo, \$2,458, EMT training, extrication equipment and a TV/VCR

Elmwood Volunteer Fire Dept, Palestine, \$2,803 O₂ equipment, B/P kits

EN CARE, Pittsburg, \$6,500, public education

Fairchilds Volunteer Fire Dept, Richmond, \$240, O₂ equipment, B/P kits and emergency management manuals

Fairview Volunteer Fire Dept, Fairview, \$7,752, EMT training and AED

Fate Fire Dept, Fate, \$16,948, extrication equipment

Fayette County Emergency Medical Services, La Grange, \$11,500, a monitor defibrillator and monitor defibrillator upgrades

Fisher County Hospital EMS, Rotan, \$2,350, a B/P monitor

Fort Davis Volunteer Fire Department Inc., Fort Davis, \$7,471, hydraulic rescue tools

Frio County Emergency Medical Service, Pearsall, \$3,100, EMT training

Friona EMS, Friona, \$1,765, an AED

Frontier Ambulance Corporation, Morton, \$2,108, radios

Garrett Area Rural Volunteer Fire Dept, Ennis, \$2,136, an AED, batter pack and case, backboards, B/P kits and backboard straps

Gary Volunteer Fire Dept, Gary, \$650, pagers

Geronimo Village Fire Dept, San Antonio, \$500, video equipment

Geronimo Volunteer Fire Department Inc., Geronimo, \$2,175, EMT training, B/P kits

Glenn Heights Fire Dept, Glenn Heights, \$20,000, an Ambulance

Goliad County EMS, Goliad, \$35,000, an Ambulance

Graham General Hospital, Graham, \$35,000, an Ambulance

Graham, City of Graham, \$1,185, a KED, splints and oxygen equipment

Halo-Flight Inc, Corpus, \$10,401, vacuum split mattresses

Haltom City Fire - Rescue, Haltom City, \$4,250, an AED

Hamlin EMS, Hamlin, \$35,000, an Ambulance

Happy, City of Happy, \$2,073, a computer and software

Hardeman County EMS, Quanah, \$8,144, a monitor defibrillator

Harmony Consolidated Volunteer Fire Dept, Inc., Big Sandy, \$2,968, continuing education, EMT training, a portable radio, pagers and O₂ equipment

Harris County Emergency Services District #1, Houston, \$40,500, remounting three ambulances

Harrison County First Responders, Marshall, \$4,086, an AED, a suction kit, a KED, backboards, straps, O₂ equipment and B/P kits

Harrold First Responders, Harrold, \$1,562, EMT training, a glucometer and O₂ equipment

Heart of Texas Regional Advisory Council, Waco, \$38,463, EMT training, radios and a monitor defibrillator

Highway 321 Volunteer Fire Department First, Dayton, \$2,550, EMT Instructor training, communications equipment, O₂ equipment and B/P kits

Hoover Valley Volunteer Fire Department and EMS, Inc., Burnet, \$3,330, a vital signs monitor, traction splints, an ambulance cot and suction equipment

Hughes Springs Volunteer Ambulance Service, Hughes, \$3,491, radios and a TV/VCR

Huntington First Responders, Huntington, \$750, backboards, O₂ equipment, B/P kits

Huntsville-Walker County Emergency Medical Service, Huntsville, \$9,250, a monitor defibrillator

Hurst Fire Dept, Hurst, \$1,735, an AED

Indian Harbor Volunteer Fire/EMS Dept, Granbury, \$976, a suction unit, head immobilizers, B/P Kit

Itasca Volunteer Fire Dept. EMS, Itasca, \$21,500, an Ambulance

Jacinto City Fire Dept, Jacinto City, \$6,500, a monitor defibrillator

Jeff Davis County Ambulance, Fort Davis, \$3,400, AED

Joshua Fire Dept, Joshua, \$9,278, a monitor defibrillator and a KED

Kendall County Emergency Medical Service, Boerne, \$12,583, a KED and a monitor defibrillator

Kent County EMS, Jayton, \$5,000, pagers

Kerens Volunteer Fire Dept, Kerens, \$2,682, an AED, O₂ equipment and B/P kits

Kerrville Fire Dept EMS, Kerrville, \$3,735, CPR manikins

Kilgore Emergency Medical Services, Kilgore, \$1,550, AED

Klondike Volunteer Fire Department, Inc., Klondike, \$2,636, an AED, suction kits, oxygen equipment and backboards

La Paloma EMS, Premont, \$7,100, an AED and ambulance cots

La Vernia Volunteer Ambulance Service, La Vernia, \$35,000, an Ambulance

Lake Bridge VFD/First Responders, Brownwood, \$644, B/P kits, KED, O₂ regulators and bottles

Lake Palestine East VFD, Bullard, \$3,750 extrication equipment

Lake Whitney Medical Center EMS, Whitney, \$5,520, a B/P monitor, suction units, backboards and portable ventilators

Lakeside Village Area Volunteer Fire Dept, Morgan, \$560, a scoop stretcher, a KED and a blood glucose meter

Lamb County, Littlefield, \$35,000, an Ambulance

Lavaca County Rescue Service, Hallettsville, \$30,000, an Ambulance

Liberty County Emergency Medical Services, Inc., Hull, \$3,286, an AED, radios and pagers

Liberty Emergency Medical Service, Liberty, \$3,100, pediatric car seats and a stair chair

LifeNet, Inc., Texarkana, \$4,410, stair chairs

Lilbert-Looneyville Volunteer Fire Dept, Douglass, \$2,950, an AED

Littlefield Emergency Medical Services, Littlefield, \$1,200, a computer and printer

Llano County Memorial Hospital Foundation Inc., Llano, \$1,470, pediatric car seats

Lone Pine Volunteer Fire Dept, Palestine, \$445, EMT training and pagers

Los Fresnos EMS, Los Fresnos, \$10,182, monitor defibrillators, suction kits and ambulance cots

Lovelady Volunteer Fire Dept, Lovelady, \$3,695, radios, pagers, safety cones and a glucose monitor

Luling EMS, Luling, \$2,188, education, equipment

Mabank Volunteer Fire Dept, Mabank, \$324, blood pressure cuff

Manvel Emergency Medical Services, Manvel, \$42,932, an Ambulance and a monitor defibrillator

Marble Falls Area Emergency Medical Service, Marble Falls, \$6,994, a LifePak 12

Marfa City/County EMS, Marfa, \$25,000, an Ambulance

Marshall Fire Dept, Marshall, \$2,748, a computer projector

Mason Ambulance Service, Mason, \$3,400, pagers

Mason County Volunteer Fire Dept, Mason, \$5,792, extrication equipment

McLennan Community College, Waco, \$14,275, EMT training

Mercy-Zapata EMS, Zapata, \$24,999, an Ambulance

Midland Fire Dept, Midland, \$3,000, continuing education

Milford Volunteer Fire Dept, Milford, \$1,632, radios, splints, backboards and O₂ equipment

Montalba VFD, Montalba, \$1,634, radios

Morgan Mill First Responders, Morgan Mill, \$920, suction kits and splints

Nacogdoches County EMS, Nacogdoches, \$25,740, an Ambulance and backboards

Neches Volunteer Fire Dept, Neches, \$3,233, B/P kits, intubation equipment, O₂ equipment, radios and pagers

Nevada Volunteer Fire Dept, Nevada, \$2,710, B/P kits, an AED, suction kits, O₂ equipment, & KED

New Caney Volunteer Fire Dept, New Caney, \$1,500, a computer

EMS Fact:

Nicotine inhaled deeply reaches the brain in less than 10 seconds. Immediately your heart rate will increase up to 10 beats a minutes faster, thus increasing your blood pressure. —U.S. Department of Health and Human Services

Nocona General Hospital EMS, Nocona, \$1,006, an intubation set, board splints, backboards, a KED & B/P kit

Nocona Hills Volunteer Fire/EMS Dept, Nocona, \$3,397, a computer, backboards, oxygen equipment, a cot & car seat

North Bosque Volunteer EMS, Meridian, \$2,269, head blocks, backboards, equipment bag, MCI command kit, extension cords and tarps

North Hood County Volunteer Fire/First Responder, Granbury, \$7,217, EMT training, a monitor defibrillator, head immobilizers, splint kits and backboards

North Tarrant County Volunteer Fire Dept, Keller, \$3,500, AED

Northeast Gaines County Emergency Services District, Seagraves, \$12,085, a LifePak 12

Northeast Texas Community College, Mt. Pleasant, \$5,975, an advanced life support trainer

Nueces County Rural Fire Dist. #4 EMS, Robstown, \$1,150, a computer and printer

Oakwood Volunteer Fire Dept/First Responders, Oakwood, \$785, a scoop stretcher and O₂ equipment

Olton Volunteer Ambulance Association Inc., Olton, \$8,493, a monitor defibrillator and a battery support system

Ora Volunteer Fire & EMS Dept., Huntington, \$3,165, an AED and radios

Orange Fire Dept, Orange, \$1,998, an AED

Paducah Ambulance Service, Paducah, \$35,000, an Ambulance

Palo Pinto First Responders, Palo Pinto, \$1,538, an AED

Pampa Fire Dept, Pampa, \$16,354, EMT training, a monitor defibrillator, upgrade Zoll pacer defibrillators and intubation equipment

Pearland, City of Pearland, \$7,040, AED and cases

Pecan Plantation Volunteer EMS, Granbury, \$5,757, EMT training and radios

Peoples Volunteer Ambulance Service, Inc., Deweyville, \$6,887, radios, an AED, a pulse oxymeter, inflatable care seat, B/P kits and combo chairs

Presidio Emergency Medical Services Inc., Presidio, \$22,500, an Ambulance remount

Preston Volunteer Emergency Services, Pottsboro, \$5,550, a monitor defibrillator and life pack battery support system

Rankin EMS, Rankin, \$1,455, a rescue basket, splints, oxygen equipment, a TV/VCR, a KED and a trauma kit

Red Hill Volunteer Fire Dept., Douglassville, \$1,337, B/P kit, head immobilizers, backboards, splints, O₂ equipment and a KED

Rio Bravo Emergency Medical Service, Rio Bravo, \$35,000, an Ambulance

Rockdale, City of Rockdale, \$5,500, a diesel generator

Rosser Volunteer Fire Dept, Rosser, \$2,584, an AED, splints, O₂ equipment and B/P kits

Rowlett Fire Dept, Rowlett, \$575, a cabinet for medical supplies on firetruck

Saint Jo Volunteer Fire Dept, Saint Jo, \$2,434, pagers, a radio and a vacuum splint

San Saba County EMS, San Saba, \$25,000, an Ambulance

Saragosa Mission Volunteer Ambulance Service, Saragosa, \$3,218, EMT training and a glucometer

Schleicher Co Volunteer EMS, Eldorado, \$35,000, an Ambulance

Seminole EMT Volunteer Association, Seminole, \$3,430, radios

Seymour/Baylor County EMS, Seymour, \$5,109, B/P monitors, backboards and a cot

Slaton EMS, Slaton, \$4,144, pagers, radios and radio equipment

Slocum VFD/First Responders, Grapeland, \$828, pagers, laryngoscope equipment and a GPS

Somervell County Vol Fire, Rescue, & EMS, Glen Rose, \$5,165, EMT training and a rescue resource rak-pak

South Anderson County Volunteer Emergency Corp., Elkhart, \$1,975, pagers

South Brazos County Fire Dept, Millican, \$1,098, splints and O₂ equipment

South Houston EMS Dept, South, \$35,000, an Ambulance

Southern Hill County EMS, Inc, Hubbard, \$2,128, a computer, splints, and a KED

Southwest Texas Regional Advisory Council - TSA P, San Antonio, \$11,872, pre-hospital and basic trauma life support training

Spicewood VFD-EMS, Inc., Spicewood, \$4,097, extrication rescue equipment

Stamford EMS Inc, Stamford, \$1,000, a Ready Teddy costume

Stephens County EMS, Breckenridge, \$4,728, an Ambulance cot, a carbon monoxide monitor & B/P Monitor

Stephenville, Stephenville, \$5,795, a monitor defibrillator and a pulse oxymeter

Surfside Beach Volunteer Fire Dept, Inc., Surfside, \$4,116, an AED

Sutton County EMS, Sonora, \$2,525, a computer and B/P monitor

Tarkington Volunteer Fire Dept, Cleveland, \$2,955, radios, pagers, an AED and a pulse O₂

Taylor Fire Dept, Taylor, \$3,899, AED and a battery pack

Texas AirLife Inc, San Antonio, \$11,145, 200 backboards

Texoma Critical Incident Stress Manage-

ment Team, Wichita Falls, \$3,000, critical incident stress management training

Throckmorton County Memorial Hospital EMS, Throckmorton, \$35,000, an Ambulance

Tolar Volunteer Fire Dept/First Responder, Tolar, \$4,468, EMT training, a computer and an AED

Town of Pecos City, Pecos, \$24,535, Ambulance remount and a monitor defibrillator

Val Verde Regional Medical Center EMS, Del Rio, \$9,030, a monitor defibrillator

Valley Mills Volunteer EMS, Valley Mills, \$2,958, a cot, a KED and manikins

Van Alstyne Fire Dept, Van Alstyne, \$1,738, software for continuing education, backboards, a KED & glass saw

Waelder First Responders, Waelder, \$1,350, EMT training

Washington County Emergency Medical Services, Brenham, \$2,250, radios

Washington County First Responders, Brenham, \$6,760, continuing education online, pagers and O2 equipment

Waskom VFD/EMS, Inc., Waskom, \$25,000, an Ambulance

Wells EMS - First Responders, Wells, \$800, head immobilizers, straps, splints and a KED

Weslaco Fire/EMS Dept, Weslaco, \$5,001, AED

West Coke County EMS, Robert Lee, \$1,206, radios, B/P monitor and an O2 flow meter

West Volunteer Ambulance Association, West, \$35,000, an Ambulance

Westlake Emergency Medical Service, Dayton, \$1,257, a suction kit, stretcher and pediatric immobilization system

Westside Volunteer Fire Dept/1st Responder, Palestine, \$3,306, rescue equipment, blood pressure kits and radios

Wheeler County Ambulance Service, Wheeler, \$2,380, radios

White Oak Volunteer Fire Dept, White Oak, \$236, a glucometer

Wichita Falls Fire Dept, Wichita Falls, \$5,312, O₂ equipment and an adult's full body mattress

Wichita West Volunteer Fire Dept, Wichita Falls, \$3,386, an AED, a laryngoscope kit, backboards and O2 equipment

Wills Point Fire Dept EMS, Wills Point, \$2,454, an AED, rescue basket, software & modem

Wilson County Volunteer Ambulance Assn, Floresville, \$8,000, EMT training

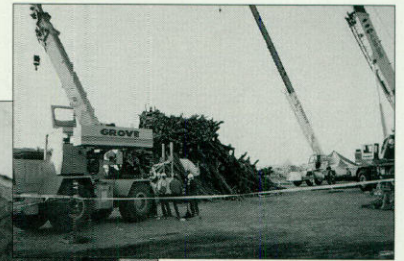
Winkler County EMS, Kermit, \$28,000, Ambulance remount

Wylie Fire Dept, Wylie, \$400, a GPS

Photos by John Green



Search and rescue teams crawled through the stack's remnants, looking for more students.



Heavy equipment was brought in from across Texas to move logs.

Bonfire collapses

Texas A&M University's Bonfire, or the "stack" as the Aggies call it, has been built every year but one for the last ninety years. It symbolizes the Aggies' burning desire to "Beat the hell outta tu," the University of Texas—A&M's biggest rival—and is built, from cutting down each individual tree to setting fire to the stack, in about two months. But on November 18, 1999, at 2:28 a.m., the bonfire collapsed, trapping an unknown number of students within its logs. At 44 feet tall and weighing approximately 2,000 tons, the bonfire presented a most unique rescue situation for emergency responders.

Thousands turned out to assist in the rescue efforts, which normally makes incident scene command difficult. But one rescuer from Austin marveled at the organization of the scene in the midst of the chaos of collapsed logs, stating that someone just had to yell "Fall in!" and the students would fall into line and keep the rescue efforts organized. Initially, students moved the logs one by one, stopping only when personnel from local EMS providers called for a halt while listening for sounds from survivors. One rescue team declared each of their first three patients dead on the scene. One paramedic student from Blinn College laid in the dirt alongside one of the trapped victims for six hours before rescuers could move the person to medical care. Even students who had minor injuries stayed at the stack, providing support and a helping hand where they could. Approximately 12 hours after the collapse, statewide search and rescue teams and log pickers, pieces of heavy equipment used to move individual logs, arrived from across Texas and the process of moving the stack began to move quicker.

In all, 12 students died and 27 were injured when the stack fell. Many, many others felt the pain that gripped the Aggies that day. And all the rescuers who helped move logs, provided medical care for any of the injured students and assisted in the debriefings will never forget their experiences. —Penny Workman, Texas A&M, Class of '92



Photo contest winners

Kevin Bartram's dramatic color photo entry won first place in its category in this year's Texas EMS Photo Contest. The entry earned him a plaque and \$125. This photo may have been the most moving photo that has ever been entered in the yearly contest. The scene shows EMS and fire personnel desperately trying to save one of their own.

Bruce Beal took the best photo in the black and white category. His entry also earned him a plaque and \$125.

As usual there were many great entries—more than 100 photos entered this year. Other winning photographers were Kelly Engelbert, Celina, second place-tie, \$75 and a ribbon (this photo is on the cover of this is-

sue); William Miskiewicz, Fort Worth, second place-tie, \$75 and a ribbon; and Michael Sabala, Corpus Christi, third place, \$50 and a ribbon.

Jon Neel from West Columbia took the honorable mention photo and you can look at the photo and see that he has a great sense of humor—as did the people voting. His photo earned him a ribbon and \$25.

All attendees at Texas EMS Conference are eligible to vote.

Many of these photos are used in the *Texas EMS Magazine*, EMS brochures, displays and presentations.

Keep film in your cameras and be ready to take the winning photo in the 2000 Texas EMS Photo Contest!

—Jan Brizendine

By Kevin Bartram,
Galveston, Best Photo —
Color Category





(left) By William Miskiewicz, Fort Worth, Second Place - Tie; (above) By Bruce Beal, Weimar, Best Photo—Black and White Category; (below) By Jon Neel, West Columbia, Honorable Mention; (bottom) By Michael Sabala, Corpus Christi, Third Place



From the evaluations:

All instructors were good—I would be delighted to hear every-one again.

Very glad this happens every year!

Instructors need to be more vigorous, stand in a chair, jump up and down, keep the audi-ence's attention.

Make cell phones and pagers off limits in classrooms.

Conference needs to be longer.

It was my first EMS conference. I was very impressed and I had a great time and I learned a lot.

I felt like I got what I paid for.

From the "best" things about the conference:

*... "not too cold this year"
... "seeing old friends"
... "neat bags"
... "informative and well-run conference"
... "very impressed with the cleanliness of the restrooms."*

From the "worst" things about the conference:

*... "didn't like the smell of the soap in the bathrooms"
... "too crowded"
... "not enough time to see all the exhibits"
... "some leaving a work-shop before the end"
... "too cold"*

Thousands find fun and education at Texas EMS Conference '99

What do you get when you put together nearly 2,100 paid participants, 150 faculty, 200 staff and volunteers and 400 exhibit representatives? Add ropes rescue, cave rescue, 12-lead interpretation, moulage, paramedic curriculum and a cadaver, and you get Texas EMS Conference '99. Did you say educational opportunities? During the conference, attendees could choose from more than 110 workshops on topics such as tactical medicine, sports injuries, combative patients, burn care and thoracic trauma care —just to name a few. All in all, we figure about 30,000 hours of CE were awarded during the five days. And the popular preconference classes filled early this year —luckily there were plenty of preconference topics to choose from: high angle rescue, cave rescue, moulage, cadaver labs, 12-Lead Interpretation and many others.

Staff has already begun work on the 2000 conference, so see you in Austin next year!

Photos by Sarah Palmer and Shawn Whitfield



Students in the moulage class on Sunday learned how to make realistic-looking injuries on volunteer 'victims.' Moulage helps make mock scenarios look more like true emergency scenes.



Austin/Travis County EMS and STAR Flight set up a short haul demo outside the convention center on Sunday afternoon. During the demonstration, medics rappelled down 100 feet from the helicopter to the patient. After the patient was packaged, the medic and patient were airlifted out—to the other end of the vacant lot, in this case.

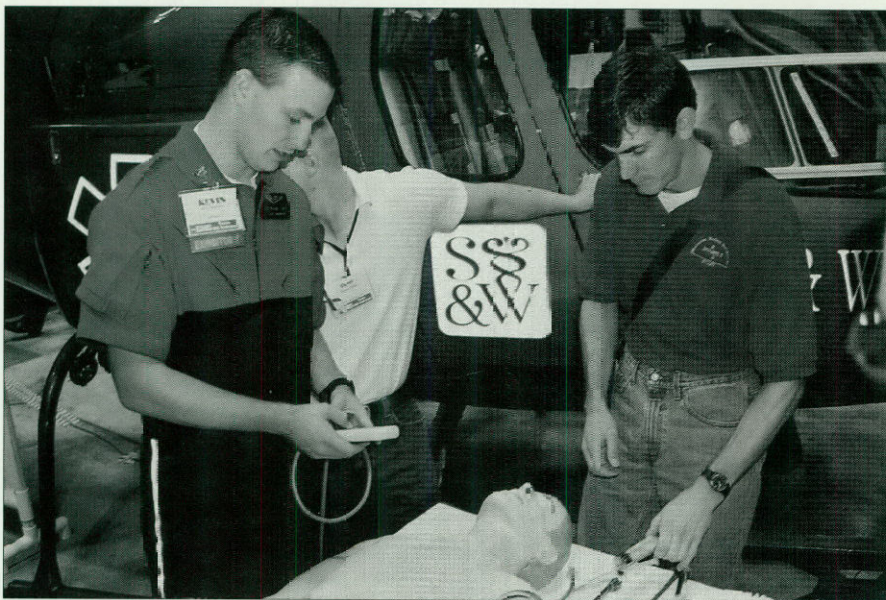
The best EMS exhibition in the nation



The exhibit hall—with its six helicopters, 46 vehicles and about 200 other booths—drew thousands of people every day to see what state-of-the-art means in EMS technology and equipment.



Students had the opportunity to do some hands-on learning in the classroom and in the exhibit hall each day.



Imagine 81,000 square feet. To most people that is just too big to think about. That would be 45 average size homes of 1,800 square feet each. In that huge exhibit space Texas EMS Conference put 40 ambulances, a fire truck, six helicopters and five other vehicles plus 200 regular booths filled with EMS equipment. Add more than 3,000 people coming and going and you have one big EMS exhibit show.

Exhibits included the latest technology, safety displays, EMS insurance, three rescue dogs, educational booths, EMS personnel recruiters, uniforms, t-shirts, software, CPR equipment, and just about everything you can think of that involves EMS.

It is always amazing that exhibitors come from so far away—this year included exhibitors from New Jersey, Connecticut, Maryland, New York, Illinois, Washington, South Carolina, Nevada, Rhode Island, Missouri, Mississippi, Georgia, Minnesota, Louisiana, Massachusetts, Pennsylvania, Nebraska, Kentucky, Colorado, Ohio, California and Florida as well as many from throughout Texas.

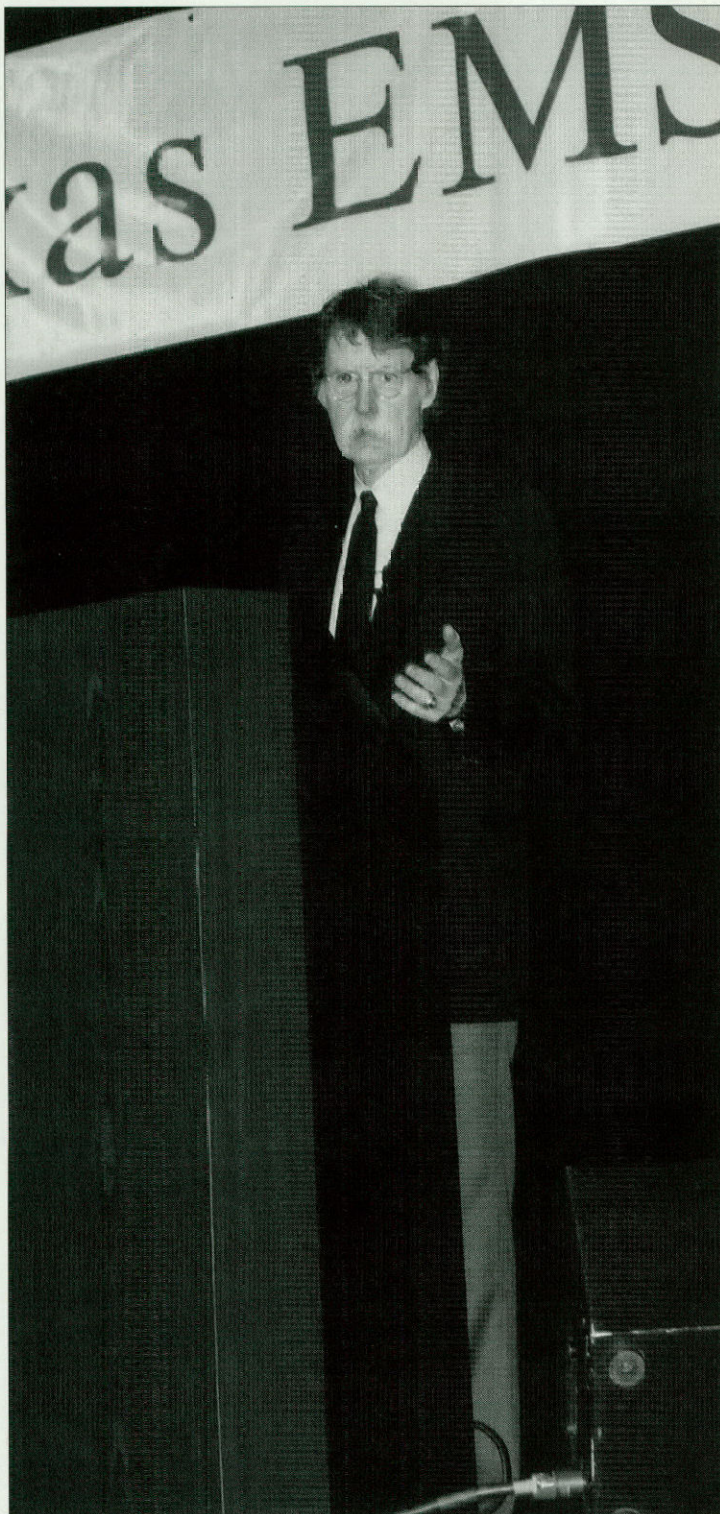
One of the most exciting sights this year was six medical helicopters landing one after the other and being moved into the exhibit hall. The helicopters were from: Austin-Travis County STAR Flight, CareFlight, Shannon AirMed I, Scott & White Medivac I, North Texas LifeStar and San Antonio Air Life. The San Antonio Air Life helicopter is just about as big as a small clinic and is really something to see when landing or taking off in the small space

behind the Austin Convention Center. Another exciting event was all 40 ambulances leaving the convention center one after the other. What a parade!

Don't miss the exhibit hall next year, it's free to anyone. You too just might be amazed!

—Jan Brizendine

Exhibitors such as Scott and White used the time in the exhibit hall to teach visitors about the equipment and technology the service uses.



Dr. James 'Red' Duke Jr. woke the crowds up Monday morning with a talk on how far EMS has come in the last 30 years--something he has first-hand knowledge of--and where EMS is going in the next 30 years.

Graduates of the Safety Clown Kollege performed safety skits in the exhibit hall on Sunday afternoon. The Clown Kollege teaches medics how to educate children about safety in a way that is fun and memorable.

Texas EMS Conference 2000

November 19-22, 2000



Remember when suction pumps had glass cylinders? The Bureau, with the support of several individuals and companies, displayed vintage EMS equipment and a 1962 ambulance in the exhibit hall. Next to that, the Bureau showed how, using the Internet, you can check certification status using a real-time database.



Texas EMS Conference '99

SPONSORED BY TEXAS DEPARTMENT OF HEALTH AND TEXAS HEALTH FOUNDATION

Thanks to the Conference Committee

Jessica Allison Bureau Booth
Jim Arnold Assistant Bureau Chief
Dan Bailey HazMat Preconference
Louis Berry Hazmat Preconference
Calvin Blackman EMS Standards
Jan Brizendine Exhibits Coordinator, Design
Bobbie Broadbent Bureau Booth Design and Staffing
Harold Broadbent Logistics, Exhibits
Glenn Conner Registration, Computer Support
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Betsy Dubard Registration
Marta Elizondo-Fournier Bureau Booth
Kaylene Farthing Registration, Computer Support
Heather Godinez Star Spangled Banner, Photo Contest
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Brian Haschke Exhibit Hall, Faculty, Facilitator
Debby Hilliard Registration, Exhibits
Phyllis Hiney Photo Contest
Amos Hunter Workshops
Jennifer Hurst Registration, Luncheon
Robin Isle Registration, Luncheon
Phil Lockwood EMS Standards
Ed Loomis Exhibit Hall
Laura McCarty Registration, Luncheon
Jeanne McGinley Registration
Mike Nunnelee EMS Education
D Parkhill Luncheon, Bureau Booth
Kathy Perkins Assistant Bureau Chief
Kathy Peyton Registration
Mike Polk Logistics, Exhibits
Chris Quiroz Preconference, Security
Linda Reyes EMS Standards, Photo Contest
Vanessa Ross Photo Contest
Billy Sladek Registration
Carol Stewart Luncheon
Paul Tabor Coordinator of Workshops
Terri Vernon Registration, Luncheon
Marilyn Walker Luncheon
Gene Weatherall Bureau Chief
Sam Wilson Emergency Preparedness
Penny Workman Facilities and Catering Coordinator
Carol Wright Bureau Booth, Facilitator, Faculty

Thanks to Public Health Region EMS Offices

PHR 1

Terry Bavousett Announcer
Denny Martin Workshop Facilitator
Sharon Tillman Workshop Facilitator

PHR 2/3

Jimmy Dunn Workshop Facilitator
Pat Elmes Registration
David Post Workshop Facilitator
Randal Martin Registration
Jerry Bradshaw AV Support
Andrew Cargile Workshop Facilitator

PHR 4/5

Brett Hart Workshop Facilitator
Pat Dilday Workshop Facilitator
Valerie Tumlinson Workshop Facilitator
Russell Hopkins Workshop Facilitator

PHR 6

Wayne Morris AV Support
David Rives Workshop Facilitator
Scott Reichel AV Support
Kevin Veal Workshop Facilitator
Bill Laster Workshop Facilitator

PHR 7

Rod Dennison High Angle Preconference
Mike Foegelle High Angle Preconference

PHR 8

Lee Sweeten Moulage Preconference
Steve Hannemann AV Support, Workshop Facilitator
Fernando Posada Workshop Facilitator

PHR 9/10

Tom Cantwell Workshop Facilitator
Leland Hart Workshop Facilitator
Tony Viscon Workshop Facilitator

PHR 11

Noemi Sanchez Workshop Facilitator
Rothy Moseley Workshop Facilitator
Carlos Tello Workshop Facilitator

Thanks also to

Terry Bavousett Announcer
Austin/Travis County EMS & Austin Fire Department Logistics, Preconference Classes and Conference Radios
Temple College Cadaver Lab
Volunteers Austin/Travis County First Responders
Volunteers TDH First Responders
Volunteers Georgetown High School students
Volunteers Hutto ISD students
Volunteers Paris High School students
Volunteers N. Lamar High School students

By
Mike Nunnelee,
NREMT-P

Mike Nunnelee is state EMS education training coordinator. Call him at (806) 743-3218 or email him at emsmwn@ttuhsc.edu

Frequently asked questions about EMS Education

Q: *My college has a large service area and I'd like to offer some outreach courses. Where can I find help with developing on-line instruction for my paramedic program?*

A: Colleges and universities have information technology professionals on staff. These individuals can be very helpful with getting an on-line course started

Community colleges offer various computer classes. If your schedule permits, you may be able to learn how to use the technology yourself.

Visit the Microsoft in Education website and request their free Online Learning Resource Kit, Volumes 1 & 2 (www.microsoft.com/education/hed/online/). The four CD-ROM packet offers resources and how-to guides for putting your course materials online. Other companies offer personalized guidance for online instructional delivery:

- Asyemtrix Learning Systems (425) 462-0501
- Blackboard (202) 463-4860
- Campus America (403) 284-7237
- Convene International (888) CONVENE
- Customer Focused Information Systems (703) 591-0101
- Information Management Group (312) 222-9400
- Real Education (303) 873-7400
- WBT Systems (877) 867-2527

The National Association of EMS Educators (NAEMSE) committee on Distributive Learning has a list server to discuss such issues. List Server Address: distributed@naemse.org

Q: *I'd like to get my degree, but I don't have time to sit in a regular classroom. Where can I find information about accredited alternative education programs?*

A: **Western Governors University (WGU) - Online University** - The Western Governors University offers a totally

new way of looking at higher education. WGU gives its affiliate education providers a worldwide stage for distance-delivered courses. Explore this site and find out about WGU and its programs at <http://www.wgu.edu/wgu/index.html>

Yahoo! Distance Learning - Index of Distance Learning Sites—Whether you want to know more about courses online or how to conduct meaningful student assessment at a distance, this web site is for you. You will find answers to many of your online learning questions at http://dir.yahoo.com/Education/Distance_Learning/

George Washington University is one of a select few colleges and universities in the United States offering a baccalaureate degree in the field of emergency medical services and is the only bachelor's program academically placed within a school of medicine. For info, go to <http://www.gwumc.edu/healthsci/ems.htm>.

Since 1984, the **University of Maryland Baltimore County (UMBC)** has offered a highly-respected graduate program in Emergency Health Services (EHS). It is the oldest and most refined program of its kind. As of the end of 1996, this program had served more than 300 students from 25 countries. Go to <http://www.ehs.umbc.edu/>

The state Higher Education Coordinating Board has just approved an EMS bachelor's program at Texas Tech University Health Sciences Center. This program will specifically focus on non-traditional students. It was designed to enhance educational opportunities for rural Texans, but will also be of interest to those currently working as paramedics in larger population areas. Contact the admissions office at the TTUHSC School of Allied Health at (806) 743-3220.

By
Linda Reyes

Frequently asked questions about EMS Standards

Q: *I've been looking over the proposed rules on your web site. Some of the changes are major, like **no 90 day grace period and double late fees!** When will these changes go into effect?*

A: Due to the printing deadline of this magazine, we can only make a good guess. It looks like they may be adopted by the Board of Health in spring 2000. Implementation date will be 21 days after adoption date.

The public comment period for EMS rules runs through January 27, 2000. Comments are accepted in writing to the bureau's mailing address or by email to emscert@ems.tdh.state.tx.us. Address the subject of your email as: "Rule Input." The proposed rules and other rule information is available from our web site at: <http://www.tdh.state.tx.us/hcqs/ems/Ruldraft.htm>.

Q: *I'm completing my recertification application for paramedic certification. I volunteer for the local first responder group and I'm also a state certified instructor and examiner. I do receive money for my instructor and examiner responsibilities but not for patient care duties with the first responder group. Do I need to submit an application fee for paramedic recertification?*

A: No, you are considered exempt from the paramedic certification fee because you are not paid to provide emergency prehospital care. Chapter 773 of the Health and Safety Code, Section 773.003 (13) defines an EMS volunteer as emergency medical services personnel who provide emergency prehospital care without remuneration, except reimbursement for expenses. You are expected to pay fees for instructor and

examiner certification.

Q: *I am a Texas paramedic certified by reciprocity through June 2000. I would like to apply for paramedic licensure. Will I be required to pass the state written exam for licensure?*

A: Yes, EMS Rule 157.40 requires you to pass the state exam or pass the National Registry exam. According to Policy 99-K, you can substitute the National Registry exam if you have completed the initial paramedic course and passed the National Registry exam within four years prior to Texas paramedic licensure application or within six months after application. All candidates seeking certification or licensure in Texas are required to pass a written exam whether it be the department's exam or National Registry.

Q: *I was certified in Texas by reciprocity through June 1999. I moved out of state and let my certification lapse. I am now back in Texas and want to recertify. Can I simply re-apply for reciprocity?*

A: No, you cannot. You must follow recertification requirements under Recertification Rule 157.45 (f) Return to active status. You have until two years after expiration date to recertify by completing:

- application, fee and late fee
- a department-approved refresher course or equivalent CE
- BTLS or PHTLS
- PPC or PALS
- AHA provider course or equivalent (paramedics complete ACLS)
- skills proficiency verification

And you must pass the state written exam.



January/February 2002 CE Summary Report Due

If your certification expires in January and February of 2002, your CE summary report is due now.

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

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

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

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

Email: emscert@tdh.state.tx.us



Anaphylaxis...

More than just bugs!

On a warm day in early April, you decide to grab lunch at a nearby restaurant. As you walk out the door of the plant, you receive a page for an unconscious person on the loading dock. Your years as an industrial first responder have taught you that almost any type of call is possible in a large factory.

As you arrive on scene, you notice that two other responders are removing a delivery driver from the back of his truck. The driver appears to be a very muscular 22-year-old male. A quick primary assessment reveals an apneic patient with a fast, thready radial pulse. One of the responders begins to ventilate the patient with a BVM as you start your assessment. You quickly call for a transport ambulance. As you start to place the ECG electrodes, you notice red hives that cover the patient's torso. Your ECG shows sinus tachycardia at a rate of 170 bpm. The patient has a blood pressure of 94/62.

Because you suspect that the patient is experiencing a severe anaphylactic reaction, you quickly start a large bore IV and administer epinephrine, diphenhydramine and decadron. Within five minutes, the patient has recovered to the point that he wants to know why he has an IV in his arm, and what he's doing lying on the loading dock.

By the time the transport ambulance arrives, the patient feels completely recovered. The transport crew can't understand why they were called, since the patient appears completely stable. After you relate the details of the call, the crew helps you convince the patient that he needs to be seen in the emergency department. The patient is transported without further incident.

You later discover that the patient had indeed suffered from an anaphylactic reaction, most likely due to the

new laundry detergent used to wash his uniforms.

The discovery of anaphylaxis

Several researchers in the 19th century noted that repeated injections of an otherwise innocuous protein sometimes caused immediate death in laboratory animals. In 1898, researchers were investigating the toxic effects of sea-anemone tentacles when they rediscovered this phenomenon. They found that a group of dogs who survived after one injection of the extract, suffered from immediate collapse and death when given a second identical dose. They also noted that the dogs each suffered from similar symptoms that included dyspnea, diarrhea, and hemorrhagic vomiting. They further noted that this acute reaction only developed if a period of at least 14 days had passed between the first and second reaction. The researchers

Objectives:

After completing this article, the reader will be able to:

- 1) Describe the five types of anaphylaxis
- 2) Describe common and uncommon triggering agents for anaphylaxis
- 3) Describe a variety of patient presentations that may be encountered in anaphylactic patients

proposed the term *anaphylaxis* to describe this condition, which literally means "without protection."

What is anaphylaxis?

Anaphylaxis is, quite simply, the physiological condition resulting from the reaction between an antigen and an antibody. The body's normal reaction to the presence of a foreign body (antigen) is to produce an antibody. When the antibody comes into contact with an antigen that it has responded to before, an even greater response occurs. In many cases, this response is desirable to allow for quick reaction and protection against infectious substances that have invaded the body. In other situations, these antibodies, known as immunoglobulins (Ig) can trigger a harmful and potentially fatal systemic reaction, anaphylaxis.

This systemic reaction typically occurs within seconds of the exposure, but it has been noted in rare cases to take as long as 24 hours. An anaphylactic reaction most commonly affects the respiratory system, the cardiovascular system, the gastrointestinal system, the skin and the nervous systems.

An anaphylactic reaction may be preceded by a known prior reaction. In some cases, the victim is unaware of previous exposure or reaction. In others, the reaction to a given antigen exposure escalates with each exposure from a local reaction to a generalized reaction to anaphylaxis.

What types of things cause anaphylaxis?

Typical EMS texts identify insect stings and shellfish as the most likely causes of anaphylaxis. A more thorough understanding of the triggering agents is necessary to properly identify and treat anaphylaxis in the field.

Types of anaphylaxis can be grouped into five categories:

- 1) IgE-Mediated Reactions
- 2) Immune Complex Reactions
- 3) Direct Histamine Release
- 4) Modulation of Arachidonic Acid Metabolism
- 5) Uncertain Etiology


IgE Mediated Reactions

Most EMS education focuses on the Immunoglobulin E (IgE)-mediated reaction because it is the most common. Common items that trigger an IgE-mediated reaction include antibiotics, insect bites and stings, natural rubber, blood products, ethylene oxide, foods and food additives.

Antibiotic reactions are the most prevalent type of IgE-mediated anaphylaxis. Of these, penicillin is estimated to be responsible for 75 percent of anaphylactic deaths in the United States. It is therefore interesting to note that over 80 percent of patients with a stated history of allergy to penicillin in actuality do not have IgE antibodies to penicillin, as detected by skin testing. This is significant in that these patients are not truly allergic to penicillin, but had a rash or other reaction, usually due to an illness, which was incorrectly blamed on penicillin.

Reactions due to insect bites and stings are normally caused by bites from insects of the Hymenoptera order. Insects that have been noted to cause these reactions include honey bees, wasps, yellow jackets, hornets and fire ants. Studies reveal that two to four percent of patients who have multiple fire ant stings have severe anaphylactic reactions.

Anaphylactic reactions have been reported from substances normally encountered in the hospital environment

 **EMS Fact:** More than 5 million people under the age of 18 who are currently alive will die prematurely from a smoking-related disease. —*TDH Bureau of Chronic Disease*

including seminal fluid, blood products, protamine (used to reverse the effects of heparin) and from gases used to sterilize, most notably ethylene oxide.

A significant number of IgE-mediated reactions are attributable to foods and food additives. The most common reactions involve peanuts, walnuts, pecans, fish, shellfish, milk and eggs. Although less common, other foods such as mushrooms, chocolate and even those containing sulfates or citric acid can also cause anaphylaxis. Reactions to food tend to occur almost immediately, but symptoms may subside only to recur several hours later.

One interesting reaction, only recently noted in the literature, is anaphylaxis due to consumption of beer. The researchers note that the barley, used as malt during the brewing process, causes the reaction. Reactions to beer tend to have a quick onset with significant respiratory involvement.

Allergies to latex rubber are becoming a significant problem for the chronically ill and for health care workers. It is estimated that 25 percent of health care workers and over 60 percent of patients with spina bifi-da have latex allergies. These allergies tend to develop over a period of time, manifesting initially as contact dermatitis and progressing to anaphylaxis.

Immune Complex Reactions

Immune complex reactions are those that involve the immune system, but are not IgE-mediated. These reactions may include those mediated by IgM, IgG or other antibodies.

The most common immune complex reactions are those to dialysis membranes, general anesthetics and to some blood products.

Direct Histamine Release

Anaphylaxis also can be attributed to a direct histamine release that is not associated with an immune complex reaction. Many chemical substances that the patient may come into contact with can cause this histamine release. Patients who currently take medications containing opiates, including codeine, may experience these reactions. Many hypertonic solutions including mannitol and radiocontrast solutions can also cause direct histamine release. Muscle relaxants, vaccines, local anesthetics, and even Dextran (a blood substitute) are likely causes of anaphylaxis due to direct histamine release.

Progesterone, a female hormone, has been noted to cause unexplained episodes of anaphylaxis. Although these symptoms tend to be premenstrual, they can occur at any time during the menstrual cycle. In one report, the onset of lactation caused a complete remission of symptoms.

Exercise-induced anaphylaxis is a unique form of direct histamine release due to the physical demands of exercise. This reaction may occur within minutes of the start of exercise, although it sometimes occurs as long as an hour after exercise was stopped. It can produce a wide variety of symptoms ranging from a diffuse warm sensation to complete vascular collapse.

Many industrial chemicals can cause a direct histamine release. This exposure can be from inhalation, absorption or ingestion of the substances. The anaphylactic response at the beginning of this article was an example of anaphylaxis caused by direct histamine release from the laundry detergent.

Modulation of Arachidonic Acid Metabolism

Reactions to aspirin (Bayer), ibuprofen (Advil, Motrin, Nuprin), acetomi-

naphen (Tylenol), naproxen sodium (Aleve, Anaprox, Naprosyn), ketoprofen (Orudis) and other non-steroidal anti-inflammatory drugs (NSAIDs) are due to the modulation of arachidonic acid metabolism. These reactions can also occur from over-the-counter medications that contain these drugs, such as cold medicine, cramp relievers or sleeping aids.

Uncertain Etiology

Anaphylactic reactions with uncertain causes are fairly common, accounting for 37 percent of cases in one study. In many cases, a triggering element is never discovered, leading to a diagnosis of idiopathic (unexplained) anaphylaxis.

What are the signs and symptoms of anaphylaxis?

Although anaphylaxis can be caused by many triggering agents, the patient presentation is fairly predictable. However, signs and symptoms vary slightly due to the type of antigen, the dose, the route of exposure and the antibody that is activated.

When the body detects an antigen, the initial reaction is typically caused by antibodies known as IgM and IgG. These antibodies attach themselves to the foreign antigen, and a reaction starts. Typically, signs and symptoms are undetectable in the patient at this point.

The antigen may then activate IgE, the most common anaphylaxis-causing antibody or other antibodies, including more IgG and IgM. The activation of the antibody promotes the release of histamines, serotonin, and the slow-reacting substance of anaphylaxis (SRS-A). The sudden antibody release causes vasodilation and starts to increase the capillary permeability. The patient typically presents with a runny

nose, itchy eyes, diaphoresis (profound sweating) and anxiety. This stage is generally considered a mild allergic reaction.

The antibodies then stimulate mast cells. Mast cells are typically located in the connective tissue along blood vessel walls. The mast cells release more histamine and the eosinophilotactic factor of anaphylaxis (ECFA). These two substances start to disrupt the integrity of the local blood vessels, causing hives, itchy skin, swelling, tachycardia and increased anxiety. At this stage, the patient is experiencing a moderate allergic reaction.

The release of histamine in the lungs causes endothelial tissue to tear away from the surrounding tissue and cells to burst. Fluids then leak into the alveoli and SRS-A inhibits alveolar expansion, making breathing more difficult. The resulting bronchospasms and laryngeal edema significantly increase the work necessary to breath. Tachypnea, cyanosis, dyspnea and the use of accessory muscles are a typical patient presentation during this phase.

The mast cells then begin to release other substances including bradykinin and serotonin along with the histamine. These substances cause blood vessels to become permeable, rapidly leaking fluid into the extravascular (outside the blood vessel) spaces. This rapid fluid shift causes a severe reduction in blood pressure. The cell permeability also affects the stomach and intestinal tract, which are now receiving a significantly reduced blood flow. The patient is now well into the shock state and typically presents with confusion, hypotension, dizziness, nausea, vomiting, abdominal cramping and tachycardia. Severe anaphylaxis is now well underway.

Although the body tries to com-

compensate for this massive release of fluid, the shock state has progressed to the point that the patient is likely to hemorrhage and deteriorate into cardiac arrest.

So...how do we treat anaphylaxis?

The initial management of anaphylaxis requires rapid control of the ABCs and the blood pressure.

The airway should be evaluated for patency and measures immediately taken to correct any problems. Breath sounds should be noted, as they may be indicators of airway challenges to come. Proper head positioning and airway opening maneuvers should be accomplished. If the patient is unable to protect his own airway or partial airway obstruction is noted due to laryngospasms and laryngeal edema, he should be intubated. Glottic swelling may cause the need for a smaller endotracheal tube than normal. Surgical airway equipment should be available in the event that intubation is not successful.

Next, breathing should be evaluated. High-flow oxygen should be provided as quickly as possible, using a non-rebreather mask. Listen for breath sounds to determine the adequacy of respirations and the degree of alveolar edema. If the respirations are inadequate, they must be supplemented with positive pressure ventilation. Pulse oximetry should be acquired or assessed and evaluated every two to three minutes.

Circulation should be evaluated next. Tachycardia is a common finding and is usually an indicator of a shock state. The absence of a pulse indicates cardiovascular collapse, necessitating immediate CPR.

A secondary assessment should then be conducted, with particular at-

tention paid to the skin, respiratory system and cardiovascular system. Beginning at the head, look for signs of trauma, bites and stings, or chemical exposure. Examine the airway and reassess the breath sounds. A silent chest, coupled with tachypnea and shallow inspirations, suggests the onset of bronchospasms and inadequate ventilation.

Expose and examine the skin for hives. Hives may be present in a localized area or may be present across the torso.


To assess the gastrointestinal system, note any nausea, vomiting or diarrhea. Large histamine releases may cause any or all of these findings.

A thorough history should be obtained from the patient or family members. Especially note the extent and previously required treatment of cases of prior generalized allergic reactions or anaphylactic reactions.

Vital signs should be taken and repeated frequently. Remember that the shock state may cause a quick deterioration of vital signs. Position the patient in a shock position, and maintain body warmth with a blanket.

Advanced providers should initiate electrocardiographic (ECG) monitoring and initiate IV infusion of a crystalloid solution. If the patient is hypotensive, a fluid bolus of 10-20 mL/kg should be given.

Epinephrine should then be administered to initiate peripheral vasoconstriction and to cause bronchodilation. For anaphylaxis, epinephrine 1:10,000 is administered at a dose of 0.3-0.5 mg intravenously (IV). The pediatric dose of epinephrine 1:10,000 is 0.01 mg/kg of body weight. Because epinephrine acts in the body for only three to five minutes, it may have to be administered several

 **EMS Fact:** Only eight percent of American women recognize cardiovascular disease as a serious health threat. —*American Heart Association*



Triggering Agents by Anaphylaxis Type

IgE Mediated

Insect bites and stings
Latex
Foods and food additives
Penicillin
Ethylene oxide
Beer

Direct Histamine Release

Mannitol
Radiocontrast solutions
Muscle relaxants
Local anesthetics
Dextran
Progesterone
Exercise
Industrial chemicals

Immune Complex Reactions

Dialysis membranes
General anesthetics
Blood products

Modulation of Arachidonic Acid Metabolism

Aspirin (Bayer)
Ibuprofen (Advil, Motrin, Nuprin)
Naproxen Sodium (Aleve, Anaprox, Naprosyn)
Ketoprofen (Orudis)
Acetaminophen (Tylenol)
Other NSAIDs

Signs/Symptoms of Allergic Reactions

Mild Reactions

Runny nose
Itchy eyes
Diaphoresis (sweating)

Severe Reaction (Anaphylaxis)

Confusion/unconsciousness
Severe hypotension
Nausea
Vomiting
Abdominal cramping
Tachycardia

Moderate Reaction

Hives
Itchy skin
Swelling
Anxiety



times to achieve the desired results.

Diphenhydramine (Benadryl) is a common antihistamine that is used to prevent the harmful effects of histamine release. The normal dose is 25-50 mg given intravenously (IV) or intramuscularly (IM). The pediatric dose is 1-2 mg/kg of body weight.

Corticosteroids are often used in the prehospital setting to reduce the swelling associated with anaphylaxis. Methylprednisolone (Solu-Medrol) 125 mg IV or IM, and dexamethasone (Decadron) 4-8 mg IV or IM, are common steroids used.

In some cases, inhaled medications are used to treat the bronchospasms and laryngeal spasms associated with a severe allergic reaction. Commonly used agents include albuterol (Ventolin, Proventil), metaproterenol (Alupent) and isoetharine (Bronkosol).

A severe anaphylactic reaction that does not respond to epinephrine is known as refractory anaphylaxis. Refractory anaphylaxis is commonly noted in patients who are currently taking beta-blocking medications. This class of medications blocks the bronchodilating action of epinephrine. Refractory anaphylaxis can be extremely difficult to manage in the prehospital setting; however, several studies have shown glucagon, administered 1 mg intravenously every five minutes, helps increase the blood pressure temporarily. Atropine sulfate, given 1 mg intravenously, is used to reduce the associated bronchospasms that were not resolved by epinephrine.

Rapid transport should be initiated as soon as practical after the initial administration of medications. In most cases, the prehospital treatment will need to be supplemented with additional medications. The triggering agent

may also need to be clearly identified so the patient can be advised on preventive measures.

Summary

Anaphylaxis is a potentially fatal condition that can be effectively managed in the field. Although the risk of anaphylaxis in the general population is estimated to be one to two percent, most medics will have an opportunity to treat several cases in their career. Unlike other illnesses encountered, many of these reactions can be completely resolved if detected in the early stages and appropriately treated.

Although the triggering agent may be difficult to identify, remember "if it looks like anaphylaxis...treat it as anaphylaxis!"

Frey is the corporate health and safety manager for Compaq Computer Corporation in Houston. He is also a paramedic and EMS educator with Montgomery County Hospital District EMS.

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- 1) The term anaphylaxis literally means?
 - A. allergic reaction to food
 - B. without protection
 - C. swelling of the body
 - D. latex reaction
- 2) Anaphylaxis is the result of the action between an antigen and a(n)?
 - A. antibody
 - B. another antigen
 - C. foreign substance
 - D. protein
- 3) Common medications used to treat anaphylaxis include?
 - A. epinephrine, atropine, and oxygen
 - B. epinephrine, oxygen, and lidocaine
 - C. lidocaine, atropine and diphenhydramine
 - D. epinephrine, oxygen and diphenhydramine
- 4) Reactions due to dialysis membranes would be an example of what type of anaphylaxis?
 - A. IgE
 - B. immune complex reaction
 - C. direct histamine release
 - D. modulation of arachidonic acid metabolism
- 5) Anaphylaxis due to ingestion of beer would be an example of what type of anaphylaxis?
 - A. IgE
 - B. immune complex reaction
 - C. direct histamine release
 - D. idiopathic
- 6) Anaphylaxis due to progesterone release would be an example of what type of anaphylaxis?
 - A. IgE
 - B. immune complex reaction
 - C. direct histamine release
 - D. modulation of arachidonic acid metabolism
- 7) Reactions that occurred as the result of aspirin administration would be an example of what type of anaphylaxis?
 - A. IgE
 - B. immune complex reaction
 - C. direct histamine release
 - D. modulation of arachidonic acid metabolism
- 8) Signs and symptoms of a mild allergic reaction include?
 - A. vasodilation, hypotension and hives
 - B. nausea, tachycardia and tachypnea
 - C. runny nose, itchy eyes and diaphoresis
 - D. cyanosis, tachycardia and anxiety
- 9) Signs and symptoms of a severe anaphylactic reaction include?
 - A. vasodilation, hypotension and hives
 - B. confusion, hypotension and abdominal cramping
 - C. runny nose, itchy eyes and diaphoresis
 - D. cyanosis, tachycardia and anxiety
- 10) What medication is responsible for 75 percent of anaphylactic deaths in the US?
 - A. penicillin
 - B. dextran
 - C. aspirin
 - D. protamine
- 11) Endotracheal intubation will always be necessary to control the airway in an anaphylactic patient?
 - A. True
 - B. False
- 12) Epinephrine is administered by what route and dosage for severe cases of anaphylaxis in adults?
 - A. 1:1000 0.2-0.4 mg IV
 - B. 1:10,000 0.01 mg/kg IM
 - C. 1:10,000 0.3-0.5 mg IV
 - D. 1:1000 0.2-0.4 mg IM
- 13) Immunoglobulins that can trigger anaphylaxis include all of the following EXCEPT?
 - A. IgE
 - B. IgM
 - C. IgG
 - D. IgB
- 14) When intubating a patient suffering from anaphylaxis, the endotracheal tube selected should be?
 - A. larger than normally used
 - B. the same size as would normally be used
 - C. smaller than normally used
 - D. the size is of little importance
- 15) During an anaphylactic reaction, mast cells release which of the following?
 - A. histamine
 - B. Benadryl
 - C. wheals
 - D. progesterone

This answer sheet must be postmarked by February 19, 2000

CE Answer Sheet *Texas EMS Magazine*

Name _____ SSN _____

Certification Level _____ Expiration Date _____

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area code

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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:

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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"/> | 8. 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"/> | 9. 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"/> | 10. 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"/> | 11. 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"/> | 12. 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"/> | 13. 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"/> | 14. 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"/> |

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

National transportation officials recently announced that deaths of children younger than four in car crashes declined by 12 percent between 1996 and 1998. More enforcement of the laws to restrain children was credited with the drop in deaths.

The Nurses' Health Study, conducted at the Harvard School of Public Health, has shown that among middle-aged nurses, presumably a fairly health-conscious population, only one percent of them followed all of the heart-healthy recommendations.

National transportation officials recently announced that deaths of children younger than four in car crashes declined by 12 percent between 1996 and 1998. They also said that the use of child safety seats for toddlers rose from 60 percent in 1996 to 87 percent in 1998. More enforcement of the laws to restrain children was credited with the drop in deaths. From *The Dallas Morning News*, "Seat-belt laws credited for decline in number of kids killed in crashes," November 23, 1999.

Survival rates for out-of-hospital heart attacks have improved dramatically since the 1960s, while survival rates for in-hospital heart attacks have remained the same, according to a study at Medical College of Virginia. More AEDs are now being used in public settings, such as casinos and airports, and people are being defibrillated more quickly, while in hospitals, doctors are still required to defibrillate patients. Researchers found that many patients who suffered a cardiac arrest in the hospital waited more than five minutes for a doctor to perform the defibrillation. So the researchers trained noncritical care nurses at a Rhode Island hospital in the use of AEDs and compared their response times to the conventional hospital team's times over a five-year period. They found that 69 percent of the patients treated by the nurse team received defibrillation in less than one minute. They also found that 45 percent of the cardiac arrest victims treated by the nurse team lived to be discharged from the hospital, versus 31 percent of the patients treated the traditional way.

From *Houston Chronicle*, "Study: Hospitals need to rethink treatment of cardiac-arrest cases," by Leigh Hopper, November 9, 1999.

The Nurses' Health Study, conducted at the Harvard School of Public Health, has shown that women who follow a heart-healthy lifestyle can reduce their risks of heart attacks, congestive heart failure and stroke by 82 percent. A heart-healthy lifestyle is defined as not smoking, keeping the weight down, exercising moderately, drinking sparingly and eating healthy foods. The study also showed that among the middle-aged nurses, presumably a fairly health-conscious population, only one percent of them actually followed all of the heart-healthy recommendations. From *The Dallas Morning News*, "Study: Healthy living slashes heart risks," November 9, 1999.

Cases of food poisoning in Denmark have American scientists worrying about antibiotics given to farm animals. Twenty-seven people in Denmark were diagnosed with salmonella poisoning traced to meat from infected pigs; 11 were hospitalized and two died. The salmonella bacteria was found to be resistant to fluoroquinolones, a class of antibiotics doctors consider to be one of their most powerful weapons against severe bacterial infections of the intestinal tract. Fluoroquinolones are used in Denmark to treat illnesses in pigs, and Danish researchers are now concerned that this use promoted the growth of the drug-resistant strain of salmonella. Fluoroquinolo-

nes are not used to treat pigs in the U.S., but are used to treat individual sick cows and are given to entire flocks of chickens and turkeys if one of the birds appears ill. This particular strain of salmonella has not been seen in the U.S., but has turned up in England, France and Germany. The Food and Drug Administration began revising its guidelines for approving and monitoring the use of antibiotics in animals and is studying these cases to see if use of fluoroquinolones in animals can affect illnesses in people. From *The New York Times*, "Bacteria Cases in Denmark Cause Antibiotics Concerns in U.S.," by Denise Grady, November 4, 1999.

Fifty-six people in two North Dakota counties have been diagnosed with tuberculosis in the last year, compared to two cases in the previous five years. This outbreak began when a nine-year-old boy from the Marshall Islands was adopted into a family in North Dakota. He had been tested for TB in 1996 with an older, less reliable TB test, but had not been retested since entering the U.S. Non-drug resistant TB is common in the Marshall Islands and medical officials are pressing for more strenuous medical screening on children brought in for adoption from other counties. From *The Dallas Morning News*, "Boy from abroad spread TB to 56 people in N. Dakota, report says," November 11, 1999.

The National Academy of Sciences' Institute of Medicine recently reported that medical mistakes account for 44,000 to 98,000 American deaths each year and called for the formation of a new federal regulatory agency to oversee the safety of pa-

tients in America's health care system. The report cites basic flaws in the operations of hospitals, clinics and pharmacies as the cause of the majority of the medical mistakes, using examples such as bad handwriting and similar-sounding drug names for drugs used to treat completely different ailments. The report calls for a 50 percent reduction in medical errors within five years in the medical field. From *Austin American-Statesman*, "Report: Medical errors kill about 44,000 a year," by Lauran Neergaard, November 30, 1999.

Doctors at two military hospitals who studied the treatments received by older women diagnosed with breast cancer suggest that the patients should be more aggressively treated, regardless of their age. The researchers studied 68 women over age 75, 24 of whom had died, and found that 58 percent of them had died of breast cancer, and not of heart disease, diabetes or other diseases. A review of medical records of all 68 women who underwent a lumpectomy showed that only 64 percent of them received radiation therapy, and for those whose cancer had spread to other parts of the body, only 17 percent received chemotherapy. These doctors feel that, while many physicians may consider older women too frail for aggressive treatment or more likely to die from another disease before the breast cancer, the fact that people are living longer and better should cause physicians to rethink weighing the patient's age so strongly in recommending medical treatments. From *USA TODAY*, "Breast cancer at any age requires aggressive care," November 30, 1999.

Survival rates for out-of-hospital heart attacks have improved dramatically because AEDs are now being used in public settings and people are being defibrillated more quickly, while survival rates for in-hospital heart attacks have remained the same.

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An American study followed 200 men for three years and found that those with a job that had high demands but low control over working conditions had significantly higher blood pressure.

At least one in five Texans is considered obese by the U.S. Centers for Disease Control and Prevention.

Workplace stress on the human body has been the subject of several studies all over the world. One American study followed 200 men for three years and found that those with a job that had high demands but low control over working conditions had significantly higher blood pressure. Several European and Japanese studies following thousands of workers have studied the effects of job stress on heart disease, depression, gastrointestinal disease, back pain, absenteeism and suicide and have led to regulations on how much control workers have over their working conditions and what types and speeds of repetitive motions workers can be required to do. Even though the National Institute for Occupational Safety and Health is placing job stress on its national research agenda, many scientists claim that the U.S. is not doing enough to protect their workers from job stress, 'job burnout' and the resultant health problems. From *San Antonio Express-News*, "Workplace stress linked increasingly to major illness," by Dolores Kong, November 25, 1999.

At least one in five Texans is considered obese by the U.S. Centers for Disease Control and Prevention. In a national phone survey, researchers found that between 1991 and 1998, obesity rates rose from 12 percent to 18 percent of the U.S. adult population and Texas tied with Kentucky for having the eighth-highest obesity rate. Obesity contributes to approximately 300,000 deaths each year and is linked to cancer, heart disease, stroke and other health conditions. The researchers claim that people are encouraged to eat large proportions more often and have more conveniences to take physical activities out of their lives, so more people will continue to gain weight until obesity be-

comes a public health issue. The researchers also acknowledged that their numbers were low, as people tend to under-report their weight. From *The Dallas Morning News*, "1 in 5 Texans obese, national survey finds," by Laura Beil, October 27, 1999.

The lowly treadmill stress test might be able to predict a heart patient's risk of early death better than many of the more expensive, less comfortable heart tests commonly done now. Researchers from the Cleveland Clinic found that heart patients whose heart rates do not fall faster than 12 beats per minute after exercising to exhaustion have a four times greater risk of dying within the next six years. Normally, the heart rate drops 15 to 25 beats per minute after an individual stops exercising when that individual has exercised to exhaustion. From *Houston Chronicle*, "Treadmill test found to spot heart trouble early," October 23, 1999.

A drug commonly used to treat high blood pressure has also been shown to reduce the risks of repeat heart attacks and heart failure, even in people who don't have high blood pressure. Ramipril was compared to vitamin E's antioxidant effect in a recent study. The drug was found to be broadly active in the cardiovascular system, much more so than vitamin E, and doctors theorize that use of ramipril might prevent one million deaths each year from heart disease and stroke. The study also found that the drug can reduce the number of heart disease sufferers who develop diabetes by 30 percent. Since the drug has been on the market since 1991, the cost of the drug is 85 cents per day. From *USA TODAY*, "Simple remedies," by Steve Sternberg, November 22, 1999.

Two-year continuing education Emergency Suspensions

The following list of EMS personnel have certification expiration dates of April and May of 2001 and are emergency suspended for failure to comply with the two-year continuing education (CE) reporting requirement mandated in EMS Rule §157.38, Section k.

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

prior to their expiration date.

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

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

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

29404	JAMES	AARON III	FLUVA EMT-I
110032	JASON	ABAIR	KENNE EMT
108803	RAYMO	ABI-RACHED	ROUNDEMT
109911	MARIS	ABREGO	LARED EMT
110402	CINDY	ADAMS	ARCAD EMT
110580	DOWL	ADEE	CLAYT EMT-I
44935	KALI	ADKINS	HOUST EMT-I
108413	BRADF	ADUDDLELL	LEXINGEMT
109039	ARTUR	AGUIRRE	EL PAS EMT
61387	BRIAN	AHEARN	GUSTINEMT
33109	TAMME	AKINS-BULLOCH	ABIL EMT-P
29406	JEANN	ALBERTS	RANKI EMT
43149	CODY	ALEXANDER	VERNO EMT-I
84694	TESLA	ALFORD JR	HOUST EMT
108640	LOUIS	ALIX	CYPRE ECA
105666	CAROL	ALLEN	LEAGU EMT-P
110036	RAED	ALSAADI	COPE EMT
110038	PATRIC	ALVAREZ	DALLA ECA
109671	MICHA	ANDERS	SHREV EMT
38257	BOBBI	ANDERSON	FORT EMT
108719	ERIN	ANDERSON	ELGIN EMT
52482	JIMMY	ANDERSON	JUDSO EMT
109330	TAMAR	ANDERSON	CENTE EMT
110029	MARIO	ANDERSON JR	ELECT ECA
38566	LOUIS	ARMSTRONG	FORT EMT
109951	SARA	ARNAUD	PFLUG ECA
108460	DAVID	ARNDT	ROUNDEMT
110434	ANA	AVILA	HOUST EMT
47547	SHAW	BAILEY	FORT EMT
110420	JENNIF	BAIRD	HOUST EMT
108391	CATHI	BAKER	IRVING ECA
45564	MICHA	BALLARD	OGLES EMT
110736	MICHA	BANISTER	ITALY ECA
55952	PAMEL	BARNES	TOMBA ECA
32047	MARIA	BARRIENTEZ	GEOR EMT
47046	MARTI	BARYE-GARCIA	EL PAS EMT-P
23989	REX	BATEMAN JR	AUSTIN EMT
42559	CHARL	BAUCHUM	LONGVEMT
107331	DONNA	BAUMBACH	DALLA EMT

108612	ARTILD	BAY	RICHA EMT
109738	MARK	BEATTY	GARLA EMT
65364	G	BEAUCHAMP	KINGW EMT-P
24721	DOUGL	BEAVERS	CALD EMT
108435	WHON	BEAVERS	ROUNDEMT
34618	KELLY	BELL	FORT EMT-P
108800	NATHA	BENFER	VALLE ECA
103826	RAFAE	BENITEZ	RIO GR EMT-I
1146	JAMES	BENNETT	FORT EMT
37454	KEVIN	BERCKENHOFF	HOUST EMT-P
8197	HOWA	BERGER	FLORE ECA
109718	GABRI	BERGMANN	AUSTIN EMT
108447	KAREN	BERKLEY	AUSTIN EMT
108168	BRENN	BEVERIDGE	MONT EMT
109480	JAMES	BEVILL	ABILEN EMT
15113	ROY	BISHOP	KYLE EMT
25942	DAVID	BIVENS	GALVE EMT-P
109634	COLBY	BLACKWELL	BUCKH EMT
28540	JENNY	BLANCO	ABERN EMT
102384	KEVIN	BLUMENSHINE	PLANO EMT
105101	CARRI	BOEHM	HOUST EMT-I
108986	KEITH	BOLES	KILLEE EMT
110365	ROGER	BOULWARE	ZAVAL EMT
108368	JOANN	BOWDEN	LOREN EMT
110358	SARAH	BOWER	GARLA EMT
26629	ROBER	BOYCE	WAKE EMT
56542	RONAL	BOYD	KEMAH ECA
105730	JENNY	BOYKIN	CLUTE EMT
110051	LEWIS	BOYKIN	DALLA ECA
109709	DEBBI	BRACKMAN-REID	CAL ECA
36612	RANDA	BRADBURY	DENTO EMT-P
52986	GARY	BRADLEY	GRANB EMT-P
90254	LYNN	BRAND	MATHI EMT
110675	MARTY	BRAND	MATHI EMT
108951	NATALI	BRANNON	CAME EMT
53670	JOHN	BRANSON	CADD EMT-P
33507	RALPH	BRAWNER	TROUP ECA
108931	NOEL	BRELAND	HOUST ECA
110614	LESLIE	BREWER	VICTO EMT

109807	LLOYD	BRICE	OAKW EMT
108355	LUCY	BRISTER	LEXINGEMT
108904	LISA	BROADFOOT	HOUST EMT
38655	DANIEL	BROOKS	EL PAS ECA
102615	JOHAN	BROOKS	NACO EMT-I
108160	VALERI	BROUSSARD	HOUST EMT
109527	IRIS	BROWN	LONGVEMT
110052	JACKIE	BROWN	CELES EMT
50334	JOE	BROWN	DE SO EMT
105838	KEITH	BROWN	COLLE EMT
108363	LLOYD	BUCHHORN	BRIGG EMT
108357	PAMEL	BUCHHORN	BRIGG EMT
108862	KENNE	BULLINGTON	MOOD ECA
36521	JEFFE	BUNDICK	BEAUM ECA
92792	CHAD	BURDEN	SHREV EMT
44883	ALISON	BURKE	MONTG EMT
53531	MARK	BURKE	BANDE EMT-P
107772	PAMEL	BURKE	PIPE C EMT
110063	TAMMY	BURNS	GARLA EMT
110739	TEREN	BURNSIDE	WYLIE EMT
105671	JENNIF	BURRIS	GOLIA EMT
32570	NICKI	CALDERON	WHEEL EMT
110810	VANES	CALDERON	SKIDM EMT
109197	KRISTI	CALLAWAY	CROSB EMT
16995	ERIC	CALLENDER	EL PAS EMT-P
14321	ALAN	CAMPBELL	SUNSE ECA
27089	DAVID	CAMPBELL	SAN A EMT-I
659	MELAN	CAMPBELL	CROSB EMT-I
89436	PAMEL	CAMPBELL	SUNSE ECA
85371	JONAT	CANNON	CARRO EMT-P
108666	NOE	CANO JR	BAY CI ECA
109023	SABRI	CAPPS	TEMPL EMT
27648	ANDRE	CARDIEL	CORPU EMT
309	SHARO	CARLSON	SPRIN EMT-I
50226	JOSEP	CARMICHAEL	BEN F ECA
22068	DONAL	CARR	BROOK ECA
110309	TIM	CARR	DUBLIN EMT
70678	GAYLA	CARSON	GUSTINEMT
96492	ELIZAB	CARTER	TEXAS EMT
29200	GARY	CARTER	TEXAR EMT
109741	CICER	CARTER III	DALLA EMT
1744	DAVID	CASALE	HOUST EMT-P
108630	PEGGY	CASEY	BRAZO ECA
109204	ERMA	CASTILLO	CROSB EMT
1981	JULIET	CASTILLO	PIPE C EMT
103053	PETE	CASTILLO	HOUST EMT-P
110141	BRIAN	CASTO	BRYAN EMT
103054	RAUL	CHAIDEZ	HOUST EMT
50832	NIDA	CHAMBERS	BIG LA EMT-I
59723	EARL	CHAMBERS JR	SANTA EMT-I
52493	STEVE	CHAPMAN	SPRIN EMT
31315	PATRIC	CHESSER	DALLA EMT-P
110073	RUPES	CHHAGAN	GARLA EMT
109890	MATTH	CLARK	LONGVEMT
108217	STEVE	CLARK	PORT ECA
110419	MISTY	CLAWSON	LAPOR EMT
107297	JEFFE	CLOSE	COPPE EMT-P
108474	SHIRLI	COALSTON	MOOD ECA
108925	MICHA	COBB	GREEN EMT
110074	BOBBY	COKER	GRAPE ECA
46172	DEBBI	COKER	HUNTS EMT-P
100071	SCOTT	COLBURN	THE C EMT-P
5922	RICHA	COLE	ELGIN EMT
105841	SAMAN	COLES	HOUST EMT
24668	ADAM	COLLETT	HOUST EMT
102597	KAREN	COLLINS-SIETZ	BRAZO EMT
110076	JAMES	COMPTON	CARRO ECA
107147	DANIEL	CONKLING	SAN A EMT-I
30057	CHRIST	CONNELLY	HOUST EMT
109727	DEBRA	CONRAD	GROVE EMT
109726	CARRO	CONRAD JR	GROVE EMT
110554	SANDY	CONTRERAS	SEAGR EMT
108396	MATTH	COOPER	MESQ ECA
86888	GINA	COPE	RICHA EMT-P
109614	MELIS	CORONADO	HEREF EMT
19889	KAY	CORRAL	AGUA EMT

Emergency Suspensions

55298 RUDOL CORRAL	AGUA EMT	109227 TRENT FEUTZ	KILLEE EMT	108518 SCOTT HAINES	YORKT ECA
110728 JERRY CORTEZ	SEMIN EMT	45593 MITCH FLANAGAN	MONTAEMT-I	109389 D HALL	CHANNECA
44316 DAVID COTELLESSE	GRAPE EMT-P	109953 BRYAN FLOOD	PFLUG ECA	2825 MELAN HAMLYN	WADS ECA
109745 SHARO COTTON	RED O EMT	27166 JUAN FLORES	BORGE EMT	108644 KIMBE HANKS	GROVE EMT
38890 TERRY COUFAL	MISSO EMT	110056 SHIRLE FLUHARTY	HENRI ECA	108634 BRADY HANSON	DAYTO EMT
38683 JULIE COURTRIGHT	ALVIN EMT	108684 ALICIA FOLEY	MONTG EMT	25648 LARRY HARDCASTLE	HARKE EMT
39529 MONIC COVARRUBIA	LYTLE EMT-I	94258 LONNIE FOLLIS	BAYTO ECA	109441 BLAINE HARDY	PEARL EMT
109766 ROBER COX	PALES EMT	110057 DAVID FOREMAN	MINER ECA	106730 DAVID HARGROVE	VALLE EMT-I
108934 TOMMI COZART	SPRIN ECA	1643 DIAMO FORNWALT	CYPRE EMT-I	8054 BRIAN HARLESS	FRISC EMT-P
103985 HEATH CRAIG	TEMPL EMT-P	109477 MONTE FORSTER	DUMA EMT	107465 FELITA HARPER	MANVEECA
17927 RONAL CRISP	CUSHI EMT	108681 RAY FOSTER	TYLER EMT	109465 MARK HARRIS	ALVIN EMT
107846 BRET CROOK	WACO ECA	106008 ROGER FOSTER	LUBBO EMT-I	84745 PATRIC HARRIS	HOUST EMT
108891 JOHNNI CROUCH	EDNA EMT	109808 ROY FOUNTAIN	TENNE EMT	107848 RAY HARRISON, II	WOOD ECA
109190 KAVIN CROY	FRIEN EMT	107863 DAVID FREMONT	TEXAS EMT	107849 MARK HARTER	WACO ECA
107342 JAMES CRUMP	BEAUM EMT-I	110086 CHRIST FUCALORO	PLANO EMT	109435 SHARO HARVEY	SOUTH EMT
110255 ADRIA CRUZ	DALLA ECA	109530 BECKY GADDY	CENTE EMT	108282 LORI HARWELL	HOUST EMT
89383 CHRIST CUNNINGHAM	KILLEE EMT	108675 VIRGINI GAGER	BEAUM EMT	108441 KRISTI HASKELL	AUSTIN EMT
108903 BRYAN D'SPAIN	BOERN ECA	110777 TRINA GAHAGAN	LUFKIN EMT	57282 JESSE HAWES	EL PAS EMT
58761 STEPH DAKAN	TYE EMT-P	105713 STEVE GAINES	PECCOS EMT	110067 WELD HAWLEY	ELECT ECA
108775 PATTY DAVENPORT	FLOYD ECA	55201 MONTY GALLEGOS	STEPH EMT-P	1764 DAVID HEINTZELMAN	SAN A EMT-I
110411 ADAM DAVIS	SNYDE EMT	76662 KYLE GANT	PLANO EMT-P	110254 THOMA HELMES	GARLA ECA
36129 DON DAVIS	DEER EMT	107756 APRIL GARCIA	SAN A EMT	30935 RACHE HENDERSON	ROCK EMT-I
86700 GREG DAVIS	LUFKIN EMT-P	109637 FRANC GARCIA	TEMPL EMT	109286 BRYAN HENDRIX	MCKIN EMT
52917 JOHN DAVIS	SANTA ECA	38023 JOSE GARCIA	MISSIO ECA	78044 EMILIO HERNANDEZ	LARED EMT
110078 KEVIN DAVIS	FORT EMT	109913 RENE GARCIA	LARED EMT	109032 MICAH HERNANDEZ	TEMPL EMT
109729 RYAN DAVIS	LUFKIN EMT	110811 RICHA GARCIA	BEEVIL EMT	47009 MONIC HERVEY	TEXAR EMT
107134 WEND DAVIS	PASAD ECA	17382 WILLIA GARCIA	SAN A EMT	109663 EUGEN HEUPEL	HILLTOECA
109964 CATHE DAVIS-COX	CANTO EMT	32207 CHAD GARDNER	ANSON EMT	109680 GRACE HEUPEL	HILLTOECA
46917 JESUS DE LA ROSA JR	WESLA EMT-I	110087 PATRIC GARDNER	JOSEP ECA	103752 MONIC HICKEY	WASK EMT-I
41629 HERBE DEATON JR	MAURI EMT-P	36815 JOSEP GAREY	MERTE EMT	49897 RODER HIGGINBOTHAM	GREE EMT-P
110312 PAMEL DEEVER	MAY ECA	109627 JESSIC GARNER	NEDER EMT	41148 ALBER HIGHFIELD	BAYTO EMT
109859 CRAIG DEJEAN	PORT EMT	110293 GINA GARRETT	DALLA EMT	109272 MELIS HIGUERA	CORPU EMT
109779 LUIS DEL VALLE	GEOR EMT	108737 ELIZAB GARZA	HOUST EMT	70952 NICK HILGEMAN	RICHA EMT
14266 FRANK DELATORRE	AUSTIN EMT	110813 JESSIE GARZA	BEEVIL EMT	103689 MICHA HILL	NEW Y EMT-P
94946 JEFFR DENICOLA	HOUST EMT-P	109754 TERES GARZA	RICHA EMT	105739 NICOL HOFFER	TROUP EMT-I
110019 NATHA DENSON	PITTSB EMT	109860 CINDY GASPARD	BEAUM EMT	3997 VALERI HOGAN	MARSH EMT
106555 KAYE DEVILLIER	WINNIE EMT	109858 MARK GASPARD	PORT EMT	26101 JASON HOLDEN	FT WO ECA
109949 KARL DISHER	AUSTINECA	108081 STEPH GATES	AUSTIN EMT	109524 JIMMIE HOLLIS	GROVE EMT
107968 JERRY DOBBS	TEXAS ECA	108370 KENNE GATTIS	ROUND EMT	109982 ERIC HOLM	BOERN EMT
69726 RAYMO DOBBS	CRAW ECA	103659 MICHE GAUTREAU	DENHA EMT	110253 LARRY HOLMES	IRVING ECA
38430 PATTY DONNELL	INGRA EMT-P	105677 MINISS GEORGE	VICTO EMT-I	109969 GAIL HOLT	PALES EMT
7782 BEN DOOLEY	PLANO ECA	43623 CHRIST GEYER	NEW B EMT	109993 CATHE HOLZWARTH	HARKE EMT
108627 DARLE DORRIES	VICTO EMT	109816 LESLIE GIBBS	MEMP EMT	105675 DANA HONISH	HALLE EMT-I
31566 PAUL DREW	SAN A EMT	109965 WILLIA GIBBS, JR	PALES EMT	106318 MICHE HORELICA	CAME EMT
108643 TOMAS DRODDY	PORT EMT	105709 STANL GIBSON	SILSBE EMT	43009 DAVID HOWARD	GEOR EMT
110275 JOHN DROLL	ITALY ECA	49553 KIMBE GILBERT	MCCR EMT	51977 FRANC HUDSON	MCCR ECA
109666 DOROT DRUM	NORM ECA	75874 RICHA GILLAM	WACO ECA	36989 ANNE HUFF	BEAUM ECA
108545 CLARE DRYER	MONTG ECA	109968 KEVIN GOFORTH	GRANDEMT	38661 DEXTE HUFF	EL PAS ECA
108444 STEVE DUFFEE	BRYAN EMT	109528 KIMBE GOLDEN	NEW B EMT	12834 FREDD HUFF	BEAUM ECA
110080 JOANN DUGGAN	MESQ EMT	109258 GUADA GOMEZ	FREER ECA	110070 BOYD HUGHES	ELECT ECA
46615 DARIN DUKE	KOUNT EMT-P	108860 RICHA GOMEZ	OGLES ECA	110071 BREND HUGHES	CHICO EMT
25805 JAMES DUNN	PAINT EMT-I	107211 RICHA GOMEZ	EL PAS EMT-I	109773 CHRIST HUMMEL	HOUST EMT
103065 MELVI DUSEK	HOUST EMT	34515 RICKY GONZALES	BEAUM ECA	6628 EDYTH HUNT	HUNTS EMT-P
102672 CHRIST EAMES	DICKIN EMT-I	108611 MARG GONZALEZ	SEGUI EMT	109414 PAULA HUNT	BIG SP EMT
24550 NANCY EASLEY	SKELL EMT	109555 BALDE GONZALEZ JR	WESLA ECA	104028 NANCY HURLEY	BAY CI EMT-I
31253 LARRY EASON	CELES EMT	109478 MICHE GOOD	DUMA EMT	109836 ISABEL HURST	GEOR EMT
43483 DEWIT EATON	HOUST EMT-P	79346 JOHN GOODMAN	ITALY ECA	110098 NOAH HUTH	CLEBU EMT
110285 MICHA ECKENFELS	SPRIN EMT	27186 PAUL GOODMAN	DEER ECA	110072 KAREN HUTSON	HENRI ECA
13507 LARRY EDWARDS	AMHER EMT	57511 JERRY GOTHARD	DALLA EMT	102195 DAVID IBARRA	LARED EMT-I
110054 A.R. EDWARDS JR	ELECT ECA	107764 CAROL GOURLAS	BANDE EMT	110682 CHARL ISBELL	ROBST EMT
108921 KIMBE ELKINS	MAGN ECA	91244 SUSAN GRAF	LUBBO EMT-P	109546 SARA JAIMEZ	LARED EMT
4693 JEFF ELLIS	LEAND EMT	109339 BRENN GRAHAM	SPRIN EMT	110745 MICHA JARROCH	EL PAS EMT
48501 SCOTT ELROD	EL PAS EMT	12449 STEVE GRAHAM	MAGN ECA	109851 LISETT JARVIS	PASAD EMT
44998 REBEC ELWELL	AUBRE EMT-P	108373 TRACE GRAHAM	AUSTIN EMT	109847 STEVE JARVIS	PASAD EMT
18485 BECKY EMERT	FLOYD EMT	37068 DONAL GRAUKE	HARW EMT	104577 GABRI JASSO	HOUST EMT
108821 JOHN ENGEL	SMITH ECA	106798 LAVER GREEN	PALES EMT-P	109893 DAVID JENKINS	THE W EMT
109529 WILLIA ENNIS	PLAINV EMT	109594 TAMMY GREENE	KILLEE EMT	5229 DONAL JENKINS	HOUST EMT
110081 GIL ESCAJEDA JR	WYLIE ECA	110061 JAMES GREENWAY	HENRI ECA	109485 ELIZAB JIMENEZ	DUMA EMT
109553 DAVID ESCOBEDO	PHARR ECA	109481 GARY GRICE	DUMA EMT	109504 BELIND JOHNSON	SPRIN EMT
94519 BENJA ESPINOZA	SEMIN EMT	110090 PAT GRIFFITH JR	LEWIS ECA	35750 JERRY JOHNSON	AUSTIN EMT-P
105711 ELMA ESPINOZA	SEAGR EMT	110936 LOYD GRISWOLD	FRITCH EMT	109505 JOHNN JOHNSON	BRECK EMT
105712 SUELE ESPINOZA	SEAGR EMT	110937 PAM GRISWOLD	FRITCH EMT	12723 MARK JOHNSON	LA VER EMT
110055 DAVID EUDY	BELLE ECA	110200 PATRIC GROOM	WHITE ECA	108661 ROBER JOHNSON	BAY CI ECA
110581 JACON EVERETT	AMARI EMT	110816 JEANE GUERRERO	BEEVIL EMT	110088 ROBER JOHNSON	HENRI ECA
109196 JOHN FABER	PINELA EMT	17836 BILLY GUEST	WACO EMT	105218 SAMAN JOHNSON	NEW W EMT
48002 KEITH FALCONE	RICHW ECA	109841 JESSIC GUIDROZ	PORT EMT	52687 CLAUD JOHNSON IR	BIGFO EMT
7604 KELVIN FARRAR	KILGO EMT	67298 LISA GUNN	BRIDG EMT-I	13097 MICHA JOHNSTON	COLLE EMT
110257 JASON FARRISH	HOUST EMT	47549 RODNE GUTHRIE	ITALY ECA	90080 ANTHO JONES	CRANE ECA
108922 MARLE FAW	SPRIN ECA	80996 SHELL HAERTIG	WOOD EMT	108636 HAROL JONES	PORT EMT
101101 KAREN FAWCETT	CONVE EMT-P	14034 BILLY HAFERKAMP	OGLES EMT	16135 KAREN JONES	FRION EMT-P
36379 KARL FERGUSON	FRIEN EMT-P	110938 JULIE HAGY	AMARI EMT	107894 LORI JONES	HAILEY EMT
109711 AMY FERMAN	TEMPL EMT	108523 RONAL HAINES	YORKT ECA	110302 REBEK JONES	COLLE EMT

Emergency Suspensions

110045	ROBYN JONES	RANDL EMT	110320	JENNY MARLIN	BLANK EMT	21851	DOROT NIELSEN	ARLING EMT
109970	WILLIA JONES	CANTO EMT	107135	CHARL MARTIN	GRAPE ECA	109035	CHRIST NIXON	AUSTINEMT
41966	JAMES JONES JR	FLOWE EMT-P	110334	JAMES MARTIN	HOUST EMT	33550	KEITH NOLEN	BEAUM ECA
108638	JAMES JOSEY	BRAZO ECA	105241	PAMEL MARTIN	HOUST EMT	18890	MARVI NOLLKAMPER	HOUST EMT-P
108858	KYLE JUNG	SOUR EMT	20219	THEOD MARTIN	BRAZO ECA	108678	TODD NORMAND	PORT EMT
20935	JOSEF KAEMMERLING	LUFKIN EMT-P	9777	ARMAN MARTINEZ	WESLA EMT	89341	STEVE NORRIS	LUBBO EMT-P
58717	RUSSE KEITH	HOUST EMT-P	105769	IVAN MARTINEZ	HOUST EMT-I	37583	BRIAN NORTHERN	BLOOEMT
102286	KARL KENDRICK	ALLEN EMT	110749	RICAR MARTINEZ	EL PAS EMT	103812	SHELL NORWOOD	WASK EMT-I
110540	CAROL KENNEDY	BEAUM EMT	108924	ROGER MARTINEZ	SPRIN ECA	108530	MELAN OBERSTER	LEAGU EMT
108488	DEBOR KESSLER	BELLE EMT	105342	SIDNEY MARTINEZ	SAN A EMT-I	109602	BRIAN ODELL	BUDA EMT
108664	BRUCE KIESCHNICK	BAY CI ECA	107962	STACY MARTINEZ	TEXLIN EMT	100816	PEGGY OLBRICH	THORN EMT
41275	RONAL KIMBROUGH	NACO EMT	110095	DON MASON	ELECT ECA	109549	ISIDRO OROZCO, JR	LARED EMT
18183	DAVID KING	GRUVE EMT	110097	RALPH MASON	ELECT ECA	47952	ALBER ORTIZ	EL PAS ECA
110185	MICHA KING	DALLA EMT	27258	WILLIA MASON	WHITE EMT	109619	DAMIA OZUNA JR	WESLA ECA
37372	HERMA KIRBY	MAGN ECA	108826	APRIL MASSEY	BERTR EMT	31408	RALPH PAGE JR	WHITE EMT
110188	LYALL KIRTON	ITALY ECA	108861	CHARL MASSEY	MOOD ECA	110191	JOE PALACIOS	GRAND EMT
22144	VAL KITE	MANVEECA	108932	CRISTI MASSEY	MOOD ECA	107963	JOHN PALMER	TEXLIN EMT
110089	HADLE KLEEB	BRIDG ECA	109548	WILLIA MASSEY	LARED EMT	109605	HOWA PARK JR	BUDA EMT
110272	JENNIF KNAFF	DALLA ECA	18637	MICHA MASTERS	FARME EMT-P	17855	HOME PARKER	N RICH EMT
102114	DIANN KOBER	KEENE EMT-I	110450	MARG MCALEON	HOUST EMT	110125	JOHN PARKER	FORT EMT
109136	MARY KOENIG	AUSTINEMT	19946	DANIEL MCCASLIN	TULIA EMT	110520	STACE PARKER	LINDALEMT
109950	ELLEN KOLB	AUSTINECA	12422	MARY MCCASLIN	TULIA EMT	108411	JOHN PARSONS	LEVEL EMT-I
14982	ROBER KOLODZAIKE	PASAD EMT-I	7996	SHIRLE MCCASLIN	TULIA EMT	110756	CARLT PATE	EL PAS EMT
110000	NATAS KONDEJEWski	LUBBO EMT	30570	KIMBE MCCLAIN	ROANO EMT-P	47222	MICHA PATTON	CORPU EMT-I
21950	WILLIA KOTRLA JR	TEMPL EMT	104257	ANTHO MCCLANAHAN	FREEP ECA	110840	LETICI PAYNE	OZONA EMT
102098	JENNIF KOUWENBERG	MYERS EMT-P	107003	LISA MCCLEARY	CALD EMT	53001	JOHN PENA III	PORT L EMT
102235	CAME KRAEMER	CARRO EMT-P	108820	BREND MCDANIEL	AUSTINECA	110140	TERRY PENNINGTON	WICHIT ECA
30107	RONNI KRAUSE	ROUNDEMT	109652	CHARL MCDANIEL	DALE EMT	109631	KELLY PEPPARD	MAGN ECA
95480	DON KRAWIETZ	HOUST EMT-P	109972	SHIRLE MCDONALD	HOUST EMT	57636	CHARL PEREZ	SPRIN ECA
8783	ANDRE KUEBODEAUX	BEAUM ECA	49610	HOLLY MCFARLAND	TYLER EMT	109592	CYNTHI PEREZ	EL PAS EMT
6959	WILLIA KUHNELL	FT WO EMT	9884	ALFRE MCGILL	EL PAS EMT	110821	ISABEL PEREZ	SAN A EMT
110346	SARFR KURJEE	SUGAR EMT	104674	BETSY MCGREW	GONZA EMT	35046	MATTH PEREZ	LEADVI EMT-P
105100	ROLAN KVARME	CHANN EMT	110109	JACK MCGUINN	ELECT ECA	42006	JIMMY PERKINS	GUSTIN EMT
73128	DEBRA KYLE	GARLA EMT	46294	DANNY MCKNIGHT	WEATH EMT	110499	JAMES PERRY II	TEXAR EMT
107850	JOYCE LABRIE	MCGR ECA	109154	TY MEDLER	EL PAS EMT-I	109916	JENNIE PHILLIPS	CENTE EMT
3683	MARK LACEY	MESQ EMT	23547	ARMAN MEDRANO	ANTHO EMT	38928	JAMES PHIPPS	MINER ECA
55588	GEOR LAGARDE III	FORT EMT-P	110193	MELIS MELENDEZ	GRANDEMT	103653	JASON PIERCE	PILOT EMT-P
110281	ANNET LAND	CENTE EMT	57139	JUAN MENDEZ	BRYAN EMT	6093	PAMEL PIERCY	HOUST EMT
40706	JEFFR LANDRIAULT	HOUST EMT	109324	VICTO MENDOZA	HOUST EMT	106783	JEREMI PILLOW	SEAGR EMT
110818	CHRIS LANDRUM	VICTO EMT	110110	ARMAN MENDOZA JR	FORT EMT	3134	ROBER PLAPPERT	SPRIN EMT-P
108170	PAULA LANGLEY	BAYTO EMT	108356	RAYMO MERCADO	WACO EMT	7314	PHILIP PLAUCHE	DAYTO ECA
109610	JOHN LARPENTER	SAN A EMT	110112	JOHNN MESHACK	DALLA ECA	108960	CLAY PLEMONS	CRAW EMT
107888	NICOL LARSON	AUSTINECA	110113	ROBER MESSENGER	DALLA EMT	109622	SARAH PLOWMAN	HOUST EMT
14943	CHANC LAW	ITHACA EMT-P	110820	BENNY MESSER	CORPU EMT	9291	RAUL PONCE	EL PAS ECA
110093	PHILLIP LAWSON	BELLE ECA	109903	SEAN MEYER	CONR EMT	109644	EDWA PONZINI	AUSTINEMT
110784	COLBY LEACH	CANADEMT	110114	MICHA MICHELS	KENNE EMT	58168	ANTHO POORE	SAN A EMT-I
110410	LISHA LEATHERWOOD	SNYD EMT	110838	SHARO MIDDLETON	BIG LA EMT	105826	BECKY POSEY	RIESELT EMT-I
24853	HOWA LEDE	HOUST ECA	107982	JOSE MILLAN	ALAMO ECA	110130	MAND PRACHYL	DE SO EMT
32328	RICHA LEDNICKY	WACO EMT	110751	DAVID MILLARD	PORT EMT	110458	GUSTA PRADA	HOUST EMT
109457	DEBOR LEDOUX	PALES EMT	59627	JEB MILLER	DALLA EMT-P	26492	ARTHU PRATER II	DOBBI ECA
109862	BECKY LEE	SCHER EMT	28645	KELLY MILLER	HOUST EMT	21443	BRUCE PRECKWINKLE	TOMBA EMT
109863	DONAL LEE	SCHER EMT	110117	MASO MILLER	CLEBU EMT	109917	MARK PROFFITT	RICHA EMT
109894	MEDRI LEE	BEAUM EMT	108929	OTIS MILLER	HOUST ECA	109133	KRISTI PRYOR	CEDAR ECA
77648	RICHA LENIUS	KATY ECA	3187	RUTH MILLER	FORT EMT-P	102165	AARON PUCKETT	WEST EMT-P
35970	FRANC LEOS	MCGR EMT	108541	MICHA MILLIKIN	HOUST EMT	27120	WILLIA PURSER	ANAHEMT-P
28791	KURT LETZRING	MEXIA EMT-I	109820	SUSAN MILLS	AUSTINEMT	109883	FADI RAAD	AUSTINECA
110104	BERYL LEVELL	CLEBU EMT	109752	PATRIC MIRANDA	GEOR EMT	109509	JACKIE RAGAN	MERKE ECA
110203	EMILY LEWIS	GAIN ECA	109936	SCOTT MISENTI	AUSTINECA	107556	FRANK RAMIREZ	ROSEN ECA
22605	RODER LIND III	BASTR EMT-P	108450	DIANE MITCHELL	KOSSE EMT	47442	DIANA RANFT	GRAFO EMT-P
107039	THERE LINDER	LUBBO EMT	107847	JAMES MITCHELL	WOOD ECA	109607	HECTO RANGEL	LOCKHEMT
108625	TREACI LINKE	VICTO EMT	2997	JON MITCHELL	HIGHLA EMT-P	110132	ROBER RANGEL	DALLA ECA
110106	TRAVIS LITZ	DALLA EMT	109935	NOAH MITCHELL	AUSTINECA	55148	WEND RAPP	LAKE ECA
86680	DENA LONGORIA	BEEVIL EMT	109469	GINA MONTEMAYOR	SAN A EMT	22208	JOAN RASTETTER	PIPE C ECA
9344	ROLAN LONGORIA	SAN B EMT	110121	AMY MONTGOMERY	LEWIS EMT	109617	CHRIS RATCLIFF	ORANG EMT
2694	WINIFR LOONEY	MART EMT-P	55230	VICTO MONTTOYA	DUMA EMT	109621	JOSEP RATCLIFF	ORANG EMT
27876	ROBER LOSOYA	WESLA EMT-I	82872	JAMES MOORE	FRISC EMT-P	109534	SEAN REDDISH	GRANDEMT
110298	ARLISS LOVETT	GARLA EMT	108926	JAMES MOORE	MAGN ECA	109511	KAREN REED	MAY ECA
75334	JAMIE LOVVORN	CANADEMT-P	52489	ARMAN MORA	WESLA EMT-I	108943	BREND REEVES	HUMBLECA
47648	LARRY LOWE	BRUNI EMT	23405	LAURA MORGAN	WEATH EMT	109626	GINGE REEVES	PORT EMT
52812	SANDR LOWE	BRUNI EMT	42233	WALTE MORGAN JR	WEATH EMT	4970	MICHA REINBERGER	AUSTINEMT-P
33869	LISA LOZANO	LIBERT EMT-I	56530	ROBER MOTES	ROCKP EMT-P	40501	JAMES RENFRO	AUSTINEMT
55235	RANDY LOZANO	PECOS EMT	110229	RITA MOTSENBOCKER	GAIN ECA	108407	KATHY REPKA	THE C ECA
108188	KELLI LUSK	HOUST EMT	110322	SUSAN MOYA	COMA EMT	42456	ROBER REVILLA JR	NEW C EMT
61534	ADRIA MADDEN	BOERN EMT-P	110122	ROBER MURPHY	GRAPE ECA	68347	MAYEL REYNA	DUMA EMT
68000	SARAH MALICK	PLANO EMT-P	108607	DUNCA MCKINLEY	SAN A EMT	42600	MICHA RHEA	AUSTINEMT
109620	MICHA MANLEY	VIDOR EMT	108522	MICHA NASH	YORKT ECA	104601	REVEN RHODES	HARKE EMT-P
32330	SIMON MANRRIQUE	SAN B EMT	83630	PEDRO NAVARRETE	AUSTINEMT-I	6248	GREG RICHARDS	ITALY EMT
109879	ALICIA MANTHE	HOUST EMT	109418	LARA NEAGLE	BIG SP EMT	40156	IRVIN RICHARDSON	ALICE ECA
109616	KARI MARCHAND	GROVE EMT	109934	JIM NEUGENT	AUSTINECA	106929	LINDSE RICHARDSON	NAPLE EMT
101864	CARL MARCUM	HOUST EMT-I	108633	CHARL NEUMAN	MARKHECA	108608	KENNE RICHTER	INEZ EMT
108438	RONDA MAREK	WEST EMT	109195	BRAND NEUWIRTH	CENTE EMT	38836	RICK RICKERSON	SANDI EMT
19297	KENNE MARGIOLOS	KINGW EMT	58208	RUSSE NICKS	LUFKIN EMT-P	105972	BEVER RIDDLE	OVERT EMT-I

Emergency Suspensions

212 CHARL RIFENBURY	ARLING ECA	110162 JOSHU SMITH	BOYD EMT	2462 JEFFR VAUGHN	SAN A EMT-I
109643 OSCAR RIOS	AUSTINEMT	18520 LOWEL SMITH	ENNIS EMT-P	26684 JOSE VERA JR	ROSEN EMT-I
110790 ANGEL RIVERS	CANADEMT	16901 MATTH SMITH	JACKS EMT-P	32277 MAURI VICK	MCGR ECA
49793 PEGGY ROACH	GUSTINEMT	109848 NORM SMITH	PORT EMT	36520 GEOR VICKERY JR	JASPE EMT-P
47269 VEREL ROACH	GUSTINEMT	108546 PAUL SMITH	MONTG ECA	49357 VICTO VILLALPANDO	SAN B EMT-P
103603 RONAL ROBERTS	HEREF EMT-P	110763 ROBER SMITH	LAS C EMT	56084 MANUE VILLANUEVA JR	EL PAS ECA
109513 TAYLO ROBERTS	FORNE EMT	84579 TERRY SMITH	PLANO ECA	110418 ANDRE VOGEL	NACO EMT
110326 TROY ROBERTS	ABILENEMT	109692 TIFFAN SMITH	SAN M EMT	106127 PHILIP VORHIES	DALLA EMT-P
99231 STEVE ROBERTSON	HOUST EMT-I	33031 PAMEL SMOTHERS	ABILENEMT	105978 CAROL WADE	ARP EMT-I
108213 DANIEL ROBINSON	LA PO ECA	110165 VINCE SOENDKER	ELECT ECA	109821 JENNIF WAGNER	AUSTINEMT
110198 DAVID ROBINSON	CARRO ECA	23560 EMILIA SOTO JR	EL PAS EMT-P	103234 STEPH WAKEFIELD	HOUST EMT-P
10434 VANCE ROBINSON	AMARI EMT-P	109780 MARK SPAHLINGER	FLOWE EMT	110256 ANNET WALDMAN	EL CA ECA
31359 LEONA ROBINSON III	BEAUM EMT	108856 STEPH SPENGLER	HOUST EMT	27545 WESLE WALDRUM	HOUST EMT
91086 ADRIA RODRIGUEZ	MATHI EMT-I	106631 JOSHU ST.JOHN	SAN A EMT-I	110006 CHAD WALKER	SOUTH ECA
98886 BARBA RODRIGUEZ	SABIN EMT	108369 BARBA STAMPORT	LEXINGEMT	49191 LISA WALKER	MINER EMT
101245 DANIEL RODRIGUEZ	CORPU EMT-P	84976 MISTI STANFORD	GONZAEMT-I	33810 TAMMY WALKER	MADIS EMT-I
109129 NIDIA RODRIGUEZ	MCALL EMT	106945 TINA STANSELL	FLUVA EMT-I	110171 BILLY WALKER JR	ELECT ECA
35563 RODOL RODRIGUEZ	EL PAS EMT	110142 COBY STAUFFER	ARLING EMT	109140 JODI WALLACE	HEREF EMT
108361 RUBEN RODRIGUEZ	PFLUG EMT	110344 RACHE STAUFFER	MERIDI EMT	109825 JOE WALLACE	KINGSLEMT
77449 JUAN RODRIGUEZ JR	RIO GR EMT-I	30762 GERAL STEELE	AZLE ECA	38870 VIRGINI WALLACE	PORT EMT
107488 JEREM ROEBUCK	BEAUM EMT	107351 MELIS STEPHENS	COPPE EMT	104566 VELERI WARDELL	TENNE EMT
109927 JAMES ROEGERS	SAN A EMT	109526 CHARL STEPTOE	GROVE EMT	109537 SHARO WASHINGTON	GARLA ECA
108440 KENDA ROGERS	AUSTINEMT	2678 KEITH STEWART	BEAUM ECA	23942 DONNA WATSON	WYLIE EMT-P
16128 MARC ROGERS	BEAUM EMT	108955 KIMBE STICHMANN	MOOD EMT	110172 LARRY WATSON JR	MINER ECA
18975 JUAN ROMERO	WESLA EMT-I	41832 KAREN STIELER	ROCKP EMT	87256 CHAD WEBB	AMARI EMT-P
29049 MARK ROMERO	LAVILL EMT-I	110328 JENNY STOKES	SNYDE EMT	107078 LESLE WEBER	BORGE EMT
110202 RUBEN ROMERO	GRANDEMT	109342 GLEN STONE	COOP ECA	103238 MARK WEBSTER	HOUST EMT-P
29012 KIMBE ROSE	KEENE EMT-I	109852 DONAL STRICKLAND	CROSB EMT	110154 CYLIND WEIS	MEXIA EMT
65177 MICHA ROSE	KEENE EMT-I	108632 INDIA STRICKLAND	HOUST EMT	109833 JENNIF WELBORN	GEOR EMT
105156 BLAINE ROURKE	SOUTH EMT-P	108888 ELLIOT STROM	SMITH ECA	109625 EDDIE WHARTON	BROW EMT
108380 JEFFR ROY	GEOR EMT	33486 BRIAN STUART	BEAUM ECA	6097 ROBER WHITE	SPRIN ECA
20670 JEFFE ROYSTER	BAY CI ECA	109840 MATTH STURM	HOUST EMT	92803 TIMOTH WHITE	MCKIN EMT
109920 ERNES RUBIO	LARED EMT	106305 MICHA SULLENGER	EDINB EMT-I	110155 WILLIA WHITE	CARRO EMT
100630 CRAIG RUCKA	EL CA EMT-I	33426 TERRY SULLIVAN	AUSTINEMT	110504 JOSHU WHITNEY	AMARI EMT
109492 CAMILL RUIZ	DUMA EMT	109877 KEVIN SULLIVENT	BUDA ECA	108166 BRIGET WIGNALL	HOUST EMT
109918 KERI RUSSELL	FRISC EMT	47947 DEXTE SUMMERS	WAKE EMT	109771 LINDA WILCOX	TEXAR EMT
110364 HEATH RUSSO	AUSTINECA	2375 SHERR SUMMERS	DEER EMT	109923 KELLIA WILDER	NEWP EMT
81320 JUDY RUTLEDGE	MCLEA EMT-P	76882 PETE SWANSON	PFLUG EMT-P	110241 LEONA WILEMAN	GRANDEMT
109809 FRANK SAGONA III	MIRA EMT	1216 JAMES TAPNER	HOUST EMT	110409 RIKKI WILKES	IRA EMT
101728 MARTI SALINAS	MISSIO EMT-P	105227 MOLLIE TATUM	BLESSI EMT-I	10213 BRIDG WILKINS	HOUST EMT
110479 JASON SALSTROM	NACO EMT	105665 CAROL TAYLOR	OAKW EMT-I	107650 REGEN WILKS	CARRO EMT
52870 DAVID SAMANO	SAN A EMT	101803 NELDA TAYLOR	FLUKINEMT-I	109437 MANDI WILLIAMS	PASAD EMT
110279 DAVID SANCHEZ	FORT EMT	88299 TERRY TAYLOR	BAYTO EMT	108906 ROBER WILLIAMS	MOOD ECA
18586 ROXAN SANCHEZ	LA FER EMT	110730 KENDA TEETER	SEMIN EMT	109033 RODNE WILLIAMS	TEMPL EMT
11137 JAMES SANDERS	WHITE EMT	105441 JAMES TETTEH	HOUST EMT	110942 SHANN WILLIAMS	AMARI EMT
110353 TAMAR SANDERS	HOUST ECA	102047 CRISTI THIER	LAKE J EMT-I	105339 GLADY WILMOT	HOUST EMT
110003 LAURIE SANDERSON	BRADY EMT	107973 DAVID THOMAS	TEXAS ECA	109502 AMBER WILSON	DUMA EMT
108823 CAROL SARABIA	AUSTINECA	108908 SHELIA THOMAS	HOUST ECA	105772 ELIZAB WILSON	EVADA EMT-I
110232 HEATH SAVAGE	LUFKINEMT	38044 JEFFR THOMPSON	DALLA EMT-P	51493 LANCE WILSON	BELTO EMT
11144 RUSSE SAWYER	CANTO EMT-P	47616 MYRTO THOMPSON JR	DIBOLLEMT	100261 ROCKY WILSON	RICHM EMT-I
5718 STEVE SCHENCK	ANGLE EMT	108909 SHERY THORNTON	HOUST ECA	30596 RONDA WILSON	NACO EMT-I
101508 RICHA SCHIRMER	AUSTINEMT-I	109810 JEREM TOBIAS	GRANDEMT	50105 SANDR WILSON	TEXAS ECA
108521 BRYST SCHULTZ	YORKT ECA	109795 JACK TODD	TULIA EMT	110244 ARVEA WIMBISH	MILFO ECA
109514 CHRIST SEARS	ALEDO EMT	109498 DAVID TOLLISON	SUNRA EMT	107288 KATRIC WINCHESTER	PALES EMT
109515 SHELL SEAVERS	FT WA EMT	110284 TEANN TOMLIN	WEST EMT	36527 DAVID WINTTERS	TYLER EMT
108720 STORM SEAY	CEDAR ECA	110766 NICOL TORRES	EL PAS EMT	108952 DAVID WITTEN	AUSTINECA
109702 CLARE SEFCIK	CALD ECA	110170 CODY TRACHTA	SPRIN EMT	109705 DIANE WITTIE	CALD ECA
109778 REX SELLERS	LEWIS EMT	108665 RICK TRECARTIN	BEAUM EMT	110166 JEVIN WOMACK	ROWL EMT
37099 LILIANASEPULVEDA	EL PAS ECA	106308 HUMBE TREVINO	ROMA EMT-I	110167 NICHU WONG	RICHA EMT
110582 JEREM SERRURIER	AMARI EMT	109782 ROBIN TRIBBLE	IRVING EMT	107606 JAMES WOODALL, JR.	THORNEMT
47538 MARK SETTLES	BIG SP EMT-I	109834 JERRY TROUT, JR.	WACO ECA	108993 DAVIN WOODLIFF	WACO EMT
108799 LLOYD SEXTON	VALLE ECA	108163 THOMA TRUESDALE	MONTG ECA	52891 ROBER WOODWARD	LAKE J ECA
108991 BRADY SHERARD	WACO EMT	23988 FELIX TRUJILLO	OZONAEMT	50869 JACQU WOODY	GORD EMT
109377 SCOTT SHERD	LILLIAN EMT	5430 GARY TRZECINSKI	LAKE J ECA	41078 PAUL WOODY	GORD ECA
109337 JOANN SHILLINGS	CENTE EMT	109762 CLIFFO TSCHOERNER, JR.	JARR EMT	3438 JOHN WOODYARD	SAN A EMT-P
109744 MARY SHOCKEY	HILLTOECA	16503 JEFF TUCKER	FORT EMT	108464 SARA WRIGHT	BRIGG EMT
53828 STEVE SHORE	HOUST EMT-P	110246 JONI TUCKER	TYLER EMT	48424 FRANK YANAS	TEXAS EMT
20477 RICKY SHURTLEFF	HOUST EMT-P	109366 MICHA TULLOCH	HOUST EMT	110245 CHERY YARBROUGH	FORT EMT
110159 JEFF SICKING	RUNA EMT	109499 TIMOTH TURLEY	SUNRA EMT	104184 JOE YARBROUGH	GAIN EMT-P
27471 BRADL SIDES	CANTO EMT-P	109518 ANNIE TURNER	WHITT ECA	107496 JENNIF YEZAK	SNOOK EMT
110464 CHASIT SIERACKI	FLORE EMT	108547 HAROL TURNER	MONTG ECA	7968 JEFFR YODER	LEAGU EMT-I
91508 ROBER SILER	MOOD ECA	103233 TODD TUTSON	HOUST EMT-P	109672 DEANN YORK	ATHEN EMT
110161 STEPH SIMONTON	MINER ECA	7089 ELIZAB TYLER	ANTONECA	102608 AARON YOUNG	HOUST EMT-P
110843 TEENA SIMPSON	OZONAEMT	20840 ERIC TYLER	CORPU EMT	15207 DAVID YOUNG	LUBBO EMT-P
53398 KARL SKAAR	LEWIS ECA	109501 PABLO VALDEZ	DUMA EMT	108910 DONAL YOUNG	SPRIN ECA
23769 FRANCK SLACK	ABILENEMT-P	107866 ROBER VALENCIA	DICKIN EMT	110168 DWAY YOUNG	DALLA EMT
107744 CARL SLATER	NASSA EMT	60661 HUMBE VALENZUELA	HARLIN EMT-I	15328 NORM YOUNG	ORANGEMT
110417 JILL SLOSAR	PLANO EMT	109568 VENAN VALENZUELA	PHARR ECA	110267 WILLIA YOUNG	PLANO ECA
109640 JANET SLOVER	SAN M EMT	102090 JAMES VAN HAVERBEKE, JR	POREMT	34292 JOSE YTUARTE	HOUST EMT
109656 JOANN SLOVER	CONR EMT	102366 JESSE VANCE	WYSL EMT-P	78379 BARTO ZAMUDIO	MATHI EMT-I
107855 AMAN SMITH	PORTE EMT	105977 PAUL VANDRUFF	TYLER EMT-I	83690 FABIAN ZAVALA	CLUTE EMT
68395 JAMES SMITH	LOCKH EMT	106232 JOSE VARGAS	SPEAR EMT	109683 JORGE ZEPEDA	PASAD EMT
109525 JENIFE SMITH	GROVE EMT	110151 FRED E VARIAN	PLANO ECA	1042 DEBRA ZEZIMA	MAGN ECA
109869 JODY SMITH	WHARTEMT	87877 IRENE VASQUEZ	CROSB EMT	109876 JAMES ZUNIGA	AUSTINECA

Disciplinary Actions

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

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

Abbott, Thomas J., Elmendorf, Arkansas. Decertification of EMT certification effective July 7, 1999. Health and Safety Code 773.041(b), a person may not practice as any type of EMS personnel unless the person is certified, and EMS Rules 157.51(b)(15), obtains certification by fraud, forgery, deception or misrepresentation.

Adam, Thomas W., Highlands, Texas. Twelve months probation of EMT certification through March 3, 2000. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor conviction.

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

Althaus, Gary John, Waco, Texas. Twenty-four months probation of EMT certification through September 23, 2000. EMS Rules 157.44, 157.51(b) and (c), and 157.53, felony convictions.

Anderson, Andy M., Perryton, Texas. Twenty-four months probation of EMT-Paramedic certification through October 14, 2000. EMS Rules 157.51(b)(27), fails to complete continuing education hours as described in 157.38.

Aranda Jr., Andres, El Paso, Texas. Probation of EMT certification through October 29, 2000. EMS Rules 157.51(b)(27) on audit, fails to complete continuing education hours as described in 157.38.

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

Barclay, Donald Earl, Irving, Texas. Twelve months probation of EMT-P certification through September 21, 2000. EMS Rules 157.44, 157.51(b)(16), (26) and (c) and 157.53, misdemeanor conviction and falsification of an application for certification.

Beck Jr., Patrick Charles, Port Lavaca, Texas. Twenty-four months probation of EMT certification through December 15, 2000. EMS Rules 157.44, 157.51(b) and (c) and 157.53, felony conviction.

Becker, David E., Houston, Texas. Decertification of ECA certification effective May 25, 1999. EMS Rules 157.51 (b)(23) and (27), fails to comply with Health and Safety Code, Chapter 773 and the rules adopted thereunder, and fails to complete CE requirements as described in 157.38 of this title.

Belt, Lea Ann Taylor, Fort Worth, Texas. Twenty-four months probation of EMT certification through September 3, 2000. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor convictions.

Bennett, Glenda Sue, Port Lavaca, Texas. Twenty-four months probation of EMT-Intermediate certification through September 29, 2000. EMS Rules 157.51(b)(27), failure to complete CE requirements in a timely manner.

Best Care Ambulance, Houston, Texas. Twenty-four months probation suspension through September 30, 2001, and an administrative penalty of \$10,000. EMS Rules 157.11(d)(1)(A), a BLS provider shall staff BLS vehicles...with at least 2 certified Emergency Care Attendants; 157.11(k)(1), a provider shall only advertise that level of care which can be provided in

the service area 24 hours a day, 7 days a week; 157.11(m)(13), assuring that a vehicle, when response ready is staffed and equipped in accordance with the Health and Safety Code, Chapter 773.

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

Blanton, Gary Earl, Chico, Texas. Twelve months probation of EMT certification through January 15, 2000. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor convictions.

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

* **Brooke, Brian**, Waco, Texas. Revocation of his probation and twelve months suspension of his EMT-P certificate through September 3, 2000. EMS Rules §157.51(b)(28)...abuses alcohol or drugs that, in the opinion of the bureau chief, could endanger the lives of patients.

Brooks, Jeffery Sterling, Onalaska, Texas. Twenty-four months probation of EMT certification through August 18, 2000. EMS Rules 157.44, 157.51(b)(16) and (c), misdemeanor conviction while certified.

Brown, Kelly James, Kilgore, Texas. Thirty-six months probation of EMT certification through September 1, 2001. EMS Rules 157.44, 157.51(b) and (c), and 157.53, felony conviction.

* **Brunk, Richard**, Zavala, Texas. Six months probation suspension of his EMS Instructor certification through March 30, 2000. EMS Rules §157.64(a)(2)(H)...fails to maintain integrity of the course.

Bush, Daniel C., Amarillo, Texas. Twenty-four months probation of EMT certification through October 21, 2000. EMS Rules 157.51(b)(27), fails to complete continuing education hours as described in 157.38.

Canales, Daniel, Mathis, Texas. Twelve months probation suspension of EMT certification through July 31, 2000. EMS Rules 157.51 (b)(1), (2) and (25), fails to follow the EMS standards of care in the management of a patient; fails to administer medications and/or treatments in a responsible manner in accordance with the medical director's orders or protocols; and violates any rule or standard that would jeopardize the health or safety of a patient, the public, or other EMS personnel.

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

Channelview VFD, Channelview, Texas. Probation of provider license for twelve months through June 2000 and a \$500 administrative penalty. EMS Rules 157.19(c)(1)(A), fails to comply with any of the provider licensure requirements as defined in 157.11 of this title.

Childers, Mickey Lynn, Beaumont, Texas. Twenty-four months probation of EMT-Paramedic certification through March 3, 2001. EMS Rules 157.51(b)(1) and (2), failure to follow EMS standards of care in the management of a patient, and failure to administer medications and/or treatments in a responsible manner in accordance with the medical director's protocols.

Cloud, Jay David, Deer Park, Texas. Twelve months probation of EMT-P certification through July 2000. EMS Rules 157.51(b)(1) and (25), fails to follow EMS standards of care in patient management and violates any rule or standard that has a potential negative effect on the health or safety of a patient.

Cole, Marion Allen, Houston, Texas. Decertification of EMT-P certification effective July 19, 1999, by Order of the Presiding Judge in the 250th District Court of Travis County, Texas. EMS Rules 157.51(b)(16), misdemeanor conviction while certified.

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

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

felony conviction.

Couch, Christopher Charles, Amarillo, Texas. Twenty-four months probation of EMT-I certification by reciprocity through March 16, 2001. EMS Rules 157.44, 157.51(b) and (c), and 157.53(6), misdemeanor convictions and falsification of EMS personnel application.

Davis, Scott E., The Woodlands, Texas. Decertification of EMT certificate effective July 22, 1999. EMS Rules 157.51(b)(9), representation that one is qualified at any other level than his current certification.

* **De La Garza, Diane**, Pleasonton, Texas. Twenty-four months probation of EMT certification through October 15, 2001. EMS Rules 157.44, 157.51(b)(16) and (c), misdemeanor conviction while certified.

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

Dickerson, Willie J., Woodville, Texas. Twenty-four months probation of EMS Coordinator and EMS Examiner certification through July 2001. EMS Rules 157.64(a)(2)(D)(H)(P) and (S), dealing with falsification of documents, failure to maintain the integrity and professionalism in the course as well as compromise or falsification of the department's skills process and /or standards.

Duarte, Richard, San Antonio, Texas. Twenty-four months probation of EMT-Paramedic certification through September 8, 2000. EMS Rules 157.44 and 157.51(b) (16) and (c), convicted by military justice while certified.

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

Emerson, Travis Clinton, McQueeney, Texas. Twenty-four months probation of EMT certification through May 7, 2001. EMS Rules 157.44(b)(16) and (c) and 157.53, misdemeanor conviction while certified.

* **Esslinger, James Keith**, North Richland Hills, Texas. Decertification of his EMT-P certificate effective September 27, 1999. EMS Rules §157.51 (b)(11), (18), (22), (23), and (25), ...appropriates and/or possesses without authorization medications, supplies, equipment, or personal items inappropriately acquired in the course of duty; illegally dispenses, administers, or distributes controlled substances as defined by the Health and Safety Code, Chapter 481 and/or Chapter 483; obtains or attempts to obtain any benefit to which not otherwise entitled by duress, coercion, fraud, or misrepresentation while in the course of duties as an EMS certificant; fails to comply with the Health and Safety Code, Chapter 773 and rules adopted thereunder; and violates any rule or standard that would jeopardize the health and safety of a patient, the public, or other EMS personnel.

Falcon, Joe, Austin, Texas. Twelve months probation of EMT certification through August 19, 2000. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor conviction.

Farwell VFD, Farwell, Texas. Twenty-four months probation of provider license through September 23, 2000. EMS Rule 157.11(d)(1)(A), failure to have 2 certified attendants on an ambulance when in service.

Fillip, David, Sweeny, Texas. Probation of EMS Coordinator certification for 12 months through May 2000. EMS Rules 157.61(d)(14), 157.64(a)(2)(N), 157.64(a)(2)(R), and 157.64(a)(2)(S), demonstrates a lack of supervision of program instructors, guest instructors, and/or examiners; fails to comply with responsibilities of a course coordinator, program instructor, or examiner as specified in 157.61-157.63 of this title; and compromises or falsifies the department's skills verification process and/or standards.

Folsom, Robert M., College Station, Texas. Twenty-four month probation of EMT-Paramedic certification through October 29, 2000. EMS Rules 157.51(b)(27), fails to complete continuing education hours as described in 157.38.

Ford, Eddie O., Houston, Texas. Twelve months suspension of EMT-Paramedic certification through March 31, 2000. EMS Rules 157.51(b)(24), fails to give the department or its authorized representative full and complete information upon request, regarding an alleged or confirmed violation of the Health and Safety Code, Chapter 773, and the rules adopted thereunder.

Frazier, Robert Wade, Palestine, Texas. Three months probation of EMT certification through January 7, 2000. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor conviction.

Gandy, Lissa Renne, Clarksville, Texas. Decertification of EMT-P certification. EMS Rules 157.51(b)(1), (10), and (25), fails to follow EMS standards of care in the management of a patient; abandons a patient; violates any rule or standard that has a potential negative effect on the health or safety of a patient.

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

Geyer, Christopher Joseph, New Braunfels, Texas. Probation of EMT certification through June 30, 2001. EMS Rules 157.51(b)(27), fails to complete continuing education requirements as described in 157.38 of this title.

Goldstar EMS, LLC, Beaumont, Texas. \$3000 administrative penalty. EMS Rules 157.19(c)(1)(A), fails to comply with any of the provider license requirements as defined in 157.11 of this title.

Gonzales, Alfonso C., Corpus Christi, Texas. Twenty-four months probation of EMT certification through December 15, 2000. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor convictions.

* **Gonzales, Richard**, Pearsall, Texas. Twelve months probated suspension of his EMT certificate through September 30, 2000. EMS Rules §157.51(b)(25)...violates any rule or standard that would jeopardize the health and safety of a patient, the public, or other EMS personnel.

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

Guerra, Michael Santos, Pharr, Texas. Decertification of EMT certification and probation revocation effective June 10, 1999. EMS Rules 157.51(b)(5) and (24), and 157.51(d), failure to comply with the terms of a probation and failure to give the department full and complete information upon request.

Guidry, James Arthur, Las Vegas, Nevada. Suspension of EMT-P certification. EMS Rules 157.51(b)(1) and (2), fails to follow EMS standards of care in the management of a patient; failure to administer medications and/or treatments in a responsible manner in accordance with the medical director's protocol.

Hall, Eric Lynn, Katy, Texas. Twelve months probation of EMT-P recertification through April 16, 2000. EMS Rules 157.44, 157.51(b)(16) and (c), misdemeanor conviction while certified.

Hathaway, Kenneth A., Gonzales, Texas. Decertification of EMT certification effective June 10, 1999. EMS Rules 157.51(b)(24) and (27) and 157.51(d), failure to give the department full and complete information upon request and failure to complete continuing education requirements.

Hebbe, Robert Kenneth, Joshua, Texas. Twelve months probation of EMT certification through August 3, 2000. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor conviction.

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

Herdon, Alfred, Houston, Texas. Decertification of EMT certification effective August 30, 1999. EMS Rules 157.51(b)(9), representation that one is qualified at any other level than his current certification.

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

Hoffman, Heath Clinton, Palacios, Texas. Twenty-four months probation of EMT certification through September 22, 2000. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor conviction.

* **Howell, Lynn**, Howe, Texas. Twelve months probated suspension of EMT-P license through May 31, 2000. EMS Rules 157.51(b)(1), (2), (17), (20) and (25), fails to follow the EMS standards of care in the

management of a patient; fails to administer medications and/or treatments in a responsible manner in accordance with the medical director's orders or protocols; practices beyond the scope of certification without medical direction; intentionally falsifies a patient record; and violates any rule or standard that would jeopardize the health or safety of a patient, the public, or other EMS personnel.

Howland, Darren Deun, Dallas, Texas. Twenty-four months probation of EMT-P certification through November 2, 2000. EMS Rules 157.51(b)(1) and (2), failure to follow EMS standards of care in the management of a patient and failure to administer medication and/or treatment in accordance with the medical director's orders or protocols.

Janes, David, Sulphur Springs, Texas. Emergency suspension of EMT certification effective October 4, 1999. EMS Rule 157.51(a)(1)(A), reasonable cause to believe that the conduct of the certificant creates an imminent danger to the public health or safety.

Johnston III, Richard F., Tyler, Texas. Twelve months probation of EMT-I certification through August 3, 2000. EMS Rules 157.44, 157.51(b)(16) and (c) and 157.53, misdemeanor conviction while certified.

Jones, Darrell Wilson, Bryan, Texas. Emergency suspension of his ECA certification effective October 5, 1999. EMS Rule 157.51(a)(1)(A), reasonable cause to believe that the conduct of the certificant creates an imminent danger to the public health or safety.

Jordan, Shawn Daniel, Cleveland, Texas. Twelve months probation of ECA certification through January 8, 2000. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor convictions.

King, Elizabeth Ann, Austin, Texas. Twenty-four months probation of ECA certification through December 15, 2000. EMS Rules 157.44, 157.51(b) and (c) and 157.53, felony conviction and misdemeanor conviction.

Landrum, Jeffrey David, Tyler, Texas. Twenty-four months probation of EMT-P certification through January 15, 2001. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor conviction.

Laredo "A" Ambulance, Laredo, Texas. Twelve months probated suspension of EMS provider license through August 31, 2000, and administrative penalty of \$4,000. EMS Rules 157.11(a)(F), a certificate of insurance coverage shall be filed with the department.

Leal, Jaime Ledesma, Mercedes, Texas. Twenty-four months probation of EMT certification through August 3, 2001. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor convictions.

Lifesource Ambulance Service, San Antonio, Texas. Probation of provider license for twelve months through June 2000 and a \$2,000 administrative penalty. EMS Rules 157.19(c)(1)(A), fails to comply with any of the provider license requirements as defined in 157.11 of this title.

Lowe, Steven, Southlake, Texas. Twelve months probation of EMT-P certification through July 31, 2000. EMS Rules 157.51(b)(1), (2) and (25), fails to follow EMS standards of care in the management of a patient, fails to administer medication and/or treatments in a responsible manner in accordance with the medical director's orders or protocols, and violates any rule or standard that would jeopardize the health and safety of a patient, the public or other EMS personnel.

Mackenzie, Megan, Denton, Texas. Emergency Suspension of EMT-P certification effective September 27, 1999. EMS Rule 157.51(a)(1)(A), reasonable cause to believe that the conduct of the certificant creates an imminent danger to the public health or safety.

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

Mason, Robert Clay, Melissa, Texas. Twenty-four months probation of ECA certification through November 19, 2000. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor conviction.

Mefford, Robert M., Socorro, Texas. Twenty-four months probation of ECA certification through December 15, 2000. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor convictions.

* **Melvin, Robert**, Houston, Texas. Twelve months probated suspension of EMT certification through November 30, 2000. Health and Safety Code, Chapter 773.041(b), covering not practicing as any type of EMS

personnel unless the person is certified.

Merkel EMS, Merkel, Texas. Twelve months probation through July 31, 2000. EMS Rules 157.19(c)(1)(U) and 157.14(c)(2), 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, and required equipment...drugs as prescribed by the service's medical director.

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

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

Mize, Timothy, Houston, Texas. Twenty-four months probation of EMT certification through October 21, 2000. EMS Rules 157.51(b)(27), fails to complete continuing education hours as described in 157.38.

Murphree, Ted Lee, Rising Star, Texas. Twenty-four months probation of ECA certification through October 2, 2000. EMS Rules 157.51(b)(27), fails to complete continuing education hours as described in 157.38.

* **Oakley, Phyllis**, Houston, Texas. Twelve months probated suspension of her EMT certificate through September 30, 2000. EMS Rules §157.51(b)(1), (2), and (25); failure to follow EMS standards of care in the management of a patient; covering failure to administer medications and/or treatments in a responsible manner in accordance with medical director's ...protocols; and violates any rule or standard that would jeopardize the health or safety of a patient, the public, or other EMS personnel.

* **Oliver, Leon Matthew**, Houston, Texas. Eighteen months probation of EMT certification through May 19, 2001. EMS Rules 157.44, 157.51(b) and (c), and 157.53, felony/misdemeanor convictions.

Palomo, Mark Anthony, Houston, Texas. Decertification of EMT certification effective July 7, 1999. EMS Rules 157.51(b)(9), (23) and (24), represents that he or she is qualified at any level other than his or her current certification, and fails to comply with the Health and Safety Code, Chapter 773 and rules adopted thereunder, and fails to give the department or its authorized representative full and complete information, upon request, regarding an alleged or confirmed violation of Health and Safety Code, Chapter 773, and the rules adopted thereunder.

* **Parker, Michael Ray**, Clifton, Texas. Twenty-four months probation of EMT certification through November 4, 2001. EMS Rules 157.44, 157.51(b) and (c), and 157.53, felony/misdemeanor convictions.

Parkhill, Kimberly, Mart, Texas. Probation of EMT-Intermediate certification through July 30, 2000. EMS Rules 157.51(b)(28), abuses drugs that, in the opinion of the bureau chief, could endanger the lives of patients.

Parra, Richard D., Horizon, Texas. Probation of EMT certification through October 29, 2000. EMS Rules 157.51(b)(27) on audit, fails to complete continuing education hours as described in 157.38.

* **Personal Care EMS**, Houston, Texas. Twelve months probated suspension of the EMS provider license through October 31, 2000 and an administrative penalty of \$5,000. EMS Rules 157.19(c)(1)(A), (O), and (U), fails to comply with any of the provider licensure requirements in 157.11 of this title, intentionally falsifies a patient record, and 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.

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

Porras, Efrain, San Elizario, Texas. Twelve months probation of EMT-I certification through July 31, 2000. EMS Rules 157.51(b)(2), (4) and (11), fails to administer medications and/or treatments in accordance with the medical director's orders or protocols, performs advanced level treatment without medical direction or supervision, and appropriates and/or possesses without authorization medications, supplies, equip-

Disciplinary Actions

ment or personal items inappropriately acquired in the course of duty.

Powell, Rhett, Paris, Texas. One month suspension followed by eleven months probation of EMT certification through August 31, 2000. EMS Rules 157.51(b)(11), appropriates and/or possesses without authorization medications, supplies, equipment, or personal items inappropriately acquired in the course of duty.

* **Pulido, Gilberto**, Laredo, Texas. Twenty-four months probation of EMT certification through October 15, 2001. EMS Rules 157.44, 157.51(b)(16) and (c), misdemeanor conviction while certified.

Pumphret, Eric P., Austin, Texas. Twenty-four months probation of EMT-Paramedic certification through November 20, 2000. EMS Rules 157.51(b)(1), (2) and (20); fails to follow the EMS standards of care in the management of a patient; failure to administer medications and/or treatments in a responsible manner in accordance with the medical director's protocol; and intentionally falsifies a patient record.

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

Rapp, Robert Bernard, Sanderson, Texas. Eighteen months probation of EMT certification through August 17, 2000. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor conviction.

Richardson, Dianna Jean, Alvarado, Texas. Twelve months probation of EMT certification through February 4, 2000. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor conviction.

* **Roberts, Tammy**, Cedar Hill, Texas. Twenty-four months probation of EMT certification through October 28, 2001. EMS Rules 157.44, 157.51(b) and (c), and 157.53, felony conviction.

Richter, John Scott, College Station, Texas. Twelve months probation of EMT certification through January 15, 2000. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor conviction.

Rodriguez, Luis Anthony, Odessa, Texas. Twelve months probation of EMT certification through August 19, 2000. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor conviction.

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

Rubio, Cruz, Port Lavaca, Texas. Decertification of ECA certification effective May 25, 1999. EMS Rules 157.51(b)(24) and (27), fails to give the department or its authorized representative full and complete information upon request, regarding an alleged or confirmed violation of the Health and Safety Code, Chapter 773 and the rules adopted thereunder, and fails to complete CE requirements as described in 157.38 of this title.

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

Rural Metro Ambulance-Dallas, Dallas, Texas. Administrative penalty of \$250. EMS Rules 157.19(c)(1)(A), fails to comply with any of the provider licensure requirements as defined in 157.11 of this title.

Saenz, Humberto, Garciasville, Texas. Twenty-four months probation of ECA certification through August 3, 2001. EMS Rules 157.44, 157.51(b) and (c) and 157.53, felony conviction.

Santos, Rachel Pulido, Alice, Texas. Twelve months probation of EMT certification through August 19, 2000. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor conviction.

Savahl, Shirilinda Danford, Saulsbury, Tennessee. Twenty-four months probation of EMT-Paramedic certification through October 27, 2000. EMS Rules 157.51(b)(27), fails to complete CE requirements as described in 157.38 of this title.

Shephard EMS, Shephard, Texas. Twenty-four months probation of provider's license through December 7, 2000. EMS Rules 157.11(d)(1)(A) and (B); BLS provider shall staff BLS vehicle(s), when in service, with at least two emergency care attendants who have active status certification, 24 hours per day, 7 days per week; and BLS provider who does not provide service

24 hours per day, 7 days per week, shall notify the department and publish notice of hours of operation in the local media; and all advertising shall contain the hours of operation.

Simpson, Amber Lee, Houston, Texas. Twelve months probation of EMT-I certification through July 21, 2000. EMS Rules 157.44, 157.51(b)(16) and (c) and 157.53, misdemeanor conviction while certified.

Sistrunk, Robert Lee, Houston, Texas. Decertification of EMT-P certification effective July 27, 1999. EMS Rules 157.51(b)(11) and (22), appropriates and/or possesses without authorization medications, supplies, equipment, or personal items inappropriately acquired in the course of duty; and obtains or attempts to obtain any benefit to which not otherwise entitled by duress, coercion, fraud, or misrepresentation while in the course of duties as an EMS certificant.

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

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

* **Smith-Green, Tonya Sue**, Burleson, Texas. Forty-eight months probation of EMT certification through October 15, 2003. EMS Rules 157.44, 157.51(b) and (c), and 157.53, felony/misdemeanor convictions.

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

Sparks, Robert Damon, Brady, Texas. Decertification of EMT certification and probation revocation effective June 16, 1999. EMS Rules 157.51(b)(5), (24) and (27), and 157.51(d), failure to comply with the terms of a probation and failure to give the department full and complete information upon request.

Stewart, Roger Dale, Grapevine, Texas. Twenty-four months probation of EMT certification through November 30, 2000. EMS Rules 157.51(b)(27), fails to complete CE requirements as described in 157.38 of this title.

Stiles, Jeffrey Scott, Rowlett, Texas. Decertification of EMT certification and probation revocation effective June 16, 1999. EMS Rules 157.51(b)(5), (24) and (27), and 157.51(d), failure to comply with the terms of a probation, failure to give the department full and complete information upon request and failure to complete continuing education requirements.

* **Stone, Shannon**, Brownwood, Texas. Twelve months probated suspension of EMT certification through October 31, 2000. EMS Rules 157.51(b)(3), fails to maintain confidentiality of patient information obtained in the course of professional work.

Tamas, Jordon, Austin, Texas. Emergency suspension of EMT-P certification effective September 26, 1999. EMS Rule 157.51(a)(1)(A), reasonable cause to believe that the conduct of the certificant creates an imminent danger to the public health or safety.

Theftord, Jon Wesley, Houston, Texas. Decertification of EMT certification and probation revocation effective June 10, 1999. EMS Rules 157.51(b)(5), (24) and (16), and 157.51(d), failure to comply with the terms of a probation, failure to give the department full and complete information upon request and misdemeanor convictions while on probated suspension.

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

Tout, James Emil, Austin, Texas. Emergency suspension of EMT certification effective July 30, 1999. EMS Rules 157.51(a)(1)(A), reason to believe conduct of certificant creates an imminent danger to the public health or safety.

Urban EMS, De Soto, Texas. Administrative penalty of \$250. EMS Rules 157.19(c)(1)(A), fails to comply with any of the provider licensure requirements as defined in 157.11 of this title.

* **Vasquez, Eduardo**, Brownsville, Texas. Twelve months probation of EMT certification through November 24, 2000. EMS Rules 157.44, 157.51(b) and (c), and 157.53, felony conviction.

Vinson, Justin Gabriel, Marble Falls, Texas. Twelve

months probation of EMT certification through October 5, 2000. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor convictions.

Walker, Jeffrey Phillip, Austin, Texas. Twelve months probation of EMT-Paramedic certification through April 1, 2000. EMS Rules 157.51(b)(25), violated any rule or standard that would jeopardize health or safety of a patient, the public, or other EMS personnel, or that has a potential negative effect on the health and safety of a patient.

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

Warner, Aaron Denis, Harlingen, Texas. Twenty-four months probation of ECA certification through August 4, 2001. EMS Rules 157.44, 157.51(b)(16) and (c) and 157.53, misdemeanor conviction while certified.

Watson, Laurie Lynn, Austin, Texas. Twelve months probation of EMT certification through August 25, 2000. EMS Rules 157.44, 157.51(b) and (c) and 157.53, misdemeanor conviction.

Waterwood EMS and Security, Huntsville, Texas. Twenty-four months probation through July 2001. EMS Rules 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.

Watkins, Darrell D., Sr., LaMarque, Texas. Twenty-four months probation of ECA certification through January 8, 2001. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor convictions.

Watts, Carl Wayne, Gladewater, Texas. Twelve months probation of EMT certification through January 15, 2000. EMS Rules 157.44, 157.51(b)(16) and (c), misdemeanor conviction while certified.

* **Wemple, Matthew**, Porter, Texas. Application for certification denied on September 16, 1999. Health and Safety Code Chapter 773.041(b)...a person may not practice as any type of emergency medical services personnel unless the person is certified under that Chapter.

* **Westlake Community VFD**, Dayton, Texas. Twelve months probated suspension of EMS provider license through September 30, 2000. EMS Rules §157.19(c)(1)(A) fails to comply with any of the provider licensure requirements in §157.11 of this title (relating to Requirements for an EMS Provider License); (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.

Wind, Caron, Nederland, Texas. Decertification of EMS Coordinator certification effective July 20, 1999. EMS Rules §157.64(a)(2)(C) fails to complete and submit the course and/or CE application and student documents within the time frames established in §§157.32 - 157.35 of this title (relating to EMS Training and Course Approval) or §157.38 of this title (relating to Continuing Education).

Withrow, Bruce Edward, San Antonio, Texas. Decertification of EMT certification effective August 20, 1999. EMS Rules 157.51(b)(9), representation that one is qualified at any other level than his current certification.

Wolfe, Monica D., College Station, Texas. Twelve months probation of EMT certification through February 17, 2000. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor conviction.

Woodall, Dale Bradley, Spring, Texas. Decertification of EMT-P certification effective April 23, 1999. EMS Rules 157.51(b)(1), (2), (11) and (18), failure to follow EMS standards in the management of a patient; failure to administer medications and/or treatments in a responsible manner in accordance with medical director's...protocols; appropriation and/or possession without authorization medications, supplies, equipment...inappropriately acquired in the course of duty; and illegally dispenses, administers, or distributes controlled substances as defined by the Health and Safety Code, Chapter 481 and/or Chapter 483.

* These listings are new this issue. Denials, revocations and administrative penalties will be printed in three consecutive issues. Suspensions will be printed until suspension or probation expires.

MEETINGS AND NOTICES

CALENDAR

January 15, 2000. **Prehospital Burn Life Support Course.** \$110, CE approved. Sponsored by Shriners Burns Hospital-Galveston, held in Cyfair. Contact Michael Buffalo at 409/ 770-6953 or National Burn Institute at 402/ 552-3457.

January 15-16, 2000. **ACLS course.** 16 hours, variable CE/CEUs/CMEs. Contact Val Verde Regional Medical Center in Del Rio at 830/ 778-3658.

January 21-22, 2000. **CISM Training Course.** 16 hours, \$30 includes book and refreshments. CE approval pending. Contact Kathy Jordan, Texarkana College, at 903/ 838-4541, ext. 382.+

January 29, 2000. **PALS Update.** 4 hours, \$65 includes AHA card and textbook. Contact Kathy Jordan, Texarkana College, at 903/ 838-4541, ext. 382.

January 29, 2000. **Outdoor Challenges: Strengthen the EMS Peer Support Community.** San Antonio, 8 hours CE, \$90. Contact Team Leadership Results at 210/ 822-1542, www.team-leadership.com.

January 29-30, 2000. **PALS course.** 16

hours, \$175 includes AHA card, textbook and lunch. Contact Kathy Jordan, Texarkana College, at 903/ 838-4541, ext. 382.

February 11-12, 2000. **Sport Medicine Seminar.** 14 hours. \$50/day, \$20/day for students, includes handouts, certificates and lunch. CME Category I, AAFP, PT, AT, Nurse Type II CEUs, EMT hours approved. Contact Kathy Jordan, Texarkana College, at 903/ 838-4541, ext. 382.

February 18-19, 2000. **2000 EMS Physicians Seminar.** Sponsored by TCEP, for EMS physicians, administrators and providers. Houston, Texas. For information contact Nancy Davis, TX College of Emergency Physicians, at 800/ 839-2237, tcep@aol.com.

February 19, 26, March 4, 2000. **Alzheimers Specialty Certificate, Part II.** 20 hours, \$85/\$10 for students & nonprofessionals. CE approval pending. Contact Kathy Jordan, Texarkana College, at 903/ 838-4541, ext. 382.

February 22- May 4, 2000. **EMT-Intermediate course.** Tues, Thurs daytime. For more information contact Southwest Texas EMS Training Program in Del Rio at 830/ 703-1701.

March 4, 2000. **Outdoor Challenges: Strengthen the EMS Peer Support Community.** San Antonio, 8 hours CE, \$90. Contact Team Leadership Results at 210/ 822-1542, www.team-leadership.com.

March 25, 2000. **Aeromedical Ground School.** \$25/\$10 for volunteer & students, 7 hours. Contact Kathy Jordan, Texarkana College, at 903/ 838-4541, ext. 382.

April 3 & 5, 2000. **ACLS Provider course.** \$185, includes books, optional prep courses. For more information, contact Gloria Soto, Texas Tech Univ HSC at El Paso at 915/ 771-6482, www.ttuhs.edu/pages/emme/emme.htm.

April 6, 2000. **Neuro Update 2000.** 7.2 CNE, EMS approval. \$45/\$10 for students, includes lunch, handouts and certificates. Contact Kathy Jordan, Texarkana College, at 903/ 838-4541, ext. 382.

April 14, 2000. **Death and Dying.** 6 hours, \$35/\$10 for students. CE approval pending. Contact Kathy Jordan, Texarkana College, at 903/ 838-4541, ext. 382.

April 27-28, 2000. **Mental Health Update 2000.** 14 hours, \$25/day or \$10/day for students. Contact Kathy Jordan, Texarkana College, at 903/ 838-4541, ext. 382.

Jobs

Paramedics: Cook Children's Health System, Ft Worth, is hiring paramedics for the eSurgical Services units. Competitive salaries and benefits, day shifts Mon-Fri. Send resumes attn: Employment Specialist - Human Resources Dept, 801 7th Ave, Ft Worth, TX 76104, fax 817/ 885-3947.+

Sales Team Administrator: Houston-based company has open positions for administrative duties for sales team, including data entry, contact management, correspondence, sales follow-up calls. EMS experience, communication skills required. Salary plus commission, benefits. Send resume to Jim Allen, 1301 Regents Park Dr., Ste 204, Houston, TX 77058.+

Paramedics & marketing: American EMS Ambulance, Inc. is now hiring for marketing positions. Full/part time positions, competitive salary and paid CE. For more information call 713/ 724-4357 or 713/ 774-4729.+

Medical Services Coordinator: City of Lewisville is accepting applications for Medical Services Coordinator. Minimum 3 years exp as paramedic with a 9-1-1 EMS service and current paramedic certification required. Salary range is \$3,101-\$3,411/month, up to \$4,323/month. Open through January 28, 2000. Submit resumes/application to City of Lewisville, Human Resources Dept, 1197W. Main, Lewisville, TX 75067, www.cityoflewisville.com. +

Paramedics, EMT-Is: Rural/Metro Ambulance MedStar, in Tarrant County, has openings for paramedics and EMT-Is. Competitive salaries, excellent benefits, in-house training. Paramedics must have ACLS certification. For information, contact Rural/Metro MedStar, 551 E. Berry, Ft. Worth, TX 76104, chris_rucker@rmetro.com.*

Paramedics, EMTs: Medic One Ambulance - South Texas is accepting applications for full & part time EMTs & paramedics in Victoria, Beeville, Pleasanton & Kleberg County (9-1-1). For information send resume to David A. Cleveland, P.O.Box 63149, Wetmore, TX 78247, 800/ 469-0911, fax 210/ 281-9555.*

Firefighter/paramedic: City of Harker Heights is accepting applications for firefighter/paramedics. Salary \$25,075 -

Deadlines and information for meetings and advertisements

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

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

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

MEETINGS AND NOTICES

\$25,577 annually. Contact the Harker Heights Central Fire Station, 401 Indian Trail, Harker Heights, TX 76548.*

Paramedic: Cypress Creek EMS (Harris County) has openings for Field Paramedic. Great benefits, progressive protocols and atmosphere. Send resumes to HR Dept., Cypress Creek EMS, 16650 Sugar Pine Ln, Houston, TX 77090-3657, 281/ 440-9650, fax 281/ 440-7677, www.ccems.com*

Paramedics, EMT-Is, EMTs, dispatchers, marketing, biller: Life Line Universal Transport, Inc., is now hiring paramedics, EMT-Is, EMTs, dispatchers, marketing and an experienced biller. Full/part time positions. Competitive salary, paid CE and training. For appointment, call Walter at 281/ 970-2273 or fax resume to 281/ 477-0487.*

Paramedic: AEA International, an international health services company, has openings for paramedic for rotating 28-day assignments involving emergency and occupational medicine duties in remote sites. Spanish speakers encouraged to respond. Competitive salary, travel and lodging paid. Fax resumes to 713/ 521-7655.*

Paramedic, EMT-I, EMT: Alpine EMS/WTAS is accepting applications for full-time positions for growing BLS w/MICU cap. city/county 9-1-1 EMS and hospital transfers service. Send resume to Mike Scudder, Alpine EMS/WTAS, P.O.Box 338, Alpine, TX 79831, 915/ 837-1119.*

Firefighter/paramedic: The City of Kerrville is hiring a certified firefighter/paramedic. 80% family health insurance is city-paid. Apply at or send resume to City of Kerrville, Personnel Dept., 800 Junction Hwy, Kerrville, TX 78028, 830/ 792-8300, fax 830/ 792-3850.*

Paramedic & EMT-Is: Quality ambulance service in Victoria is accepting applications. Full and part-time, competitive salaries. Medical and dental benefits. Call 361/582-0116 or come by 106 Perth, Victoria TX 77901 or fax resume to 361/570-5100.+

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

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

FOR SALE

For Sale: New and used Type I, II and III ambulances, different brands and makes. For information, contact Art Seely, Regional Sales Manager, Rescue Safety Products, 220 W. Parkway, Denton, TX 76201, 800/ 481-4490.+

For Sale: Billing and collection services for EMS, ambulance and air flights. Payments mailed directly to you, monthly reports and financial analysis. Call Alexander Billing and Consulting at 888/ 991-9444.+

For Sale: 1994 Type II Wheeled Coach with diesel engine. Good condition, \$16,500 or \$18,500 with stretcher and all supplies. Ferno stretchers. Life-Pak 5, MTX-800 radios, plus more. Call Manuel at 361/851-8422.*

For Sale: Over 25 new refurbished and pre-owned emergency vehicles. On-site service, remounts and loaners. Zero down, 100% financing. Contact Reliable Emergency Vehicles at 800/ 460-VALU, rev@itexas.net, www.emergencyvehicles.net *

For Sale: CE anywhere, anytime, with CE Solutions. Accredited by CECBEMS, accepted by Texas and National Registry. Materials available in workbook, software or Internet format. Call 888/ 447-1993 M-F 8-5, www.ems-ce.com.*

For Sale: (2) Lifepak 5 cardiac monitors. Good condition. Carrying case included. \$500 each. Call 800/604-5964. *

For Sale 1989 Ford wheelchair van.

84,000 miles. Excellent condition. 450-lb lift, sliding door with remote. Call 800/ 604-5964.*

MISCELLANEOUS

Looking for CE? Call Master Train at 210/ 832-0422 to inquire about schedules for CPR training, EMT CE, ACLS, and others.+

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.+

Texas EMS Consulting Service. Specialized paramedic CE classes, prep class for paramedic TDH exam, 24 years exp. Contact Max A. Smith, EMT-P, pager with voice mail, 254/ 918-9033, www.maxpages.com/emsservices.*

EMCert, Inc. provides online CE for EMS. Individual and group subscriptions with customized administrative features. Free online course. Call 877-EMS-HERO, or go to www.emcert.com*

Ambulance billing by full service billing agency. Y2K compliant, electronic billing, standard & individualized reports, assistance with facility education on billing guidelines for federal and state billing. Call Health Claims Plus at 888/483-9893, hcp@imsday.com.*

+ 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.

EMS Profile: *Memorial Mother Frances*



Name of Service: Memorial Mother Frances EMS

Number of Staff Personnel: MMF-EMS staff is made up of 27 full time and 22 part time employees: 25 EMT-Ps, 9 EMT-Is, 15 EMT-Bs

First Responders: Memorial Mother Frances EMS supports a 16-group first responder program that covers parts of Anderson and Leon Counties, an area of about 1200 square miles. These 16 groups collectively make up 300 volunteers with 91 of these certified; 38 employees volunteer as first responders off duty.

Years in Service: Memorial Mother Frances EMS started in 1989 as Memorial

Hospital EMS. Memorial Hospital was purchased by Province Healthcare, Inc. in 1996 and become Memorial Mother Frances.

Number of Units and Staffing: MMF-EMS maintains five MICU units at its Palestine base, staffing two of these 24-48 and one from 8 am-8 pm with a 15-minute call crew to cover Anderson County. Our Buffalo station covers the north eastern area of Leon County with one 24-48 MICU. We are hospital-based with off-line protocols and on-line medical direction from the emergency room physician.

Call Volume: In 1998 MMF-EMS responded to approximately 6,000 calls. The large geographical area covered by MMF-EMS makes for widely varied initial response distances. Some calls may be as much as 30 minutes away in an emergency response mode making our first responder program invaluable. The geographical area is also largely rural, creating many challenging extrication and transport scenarios.

Community Projects: MMF-EMS participates in most area events providing EMS support and injury prevention advice, ranging from rodeos to local celebrations. In 2000, we have planned an "Every 30 seconds" program with local schools to show DWI consequences to high school students. MMF-EMS is also the American Heart Association CTC for Palestine and the surrounding areas providing CPR and related training to the public.

Our Philosophy: Our director John McMeans has one golden rule, which says we should treat patients we come in contact with as if they were our mother. If we fail to do this, he will treat us as if it were his mother in our care. This one rule defines our service. This philosophy allows every employee to make decisions based on our patients' needs first and foremost in every case. MMF-EMS has both a comprehensive quality assurance and quality improvement program and these programs serve necessary roles in our service. However, quality assurance and quality improvement cannot substitute for simple human compassion and caring. 🌸

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

Periodical
Rate Paid
At Austin, Texas