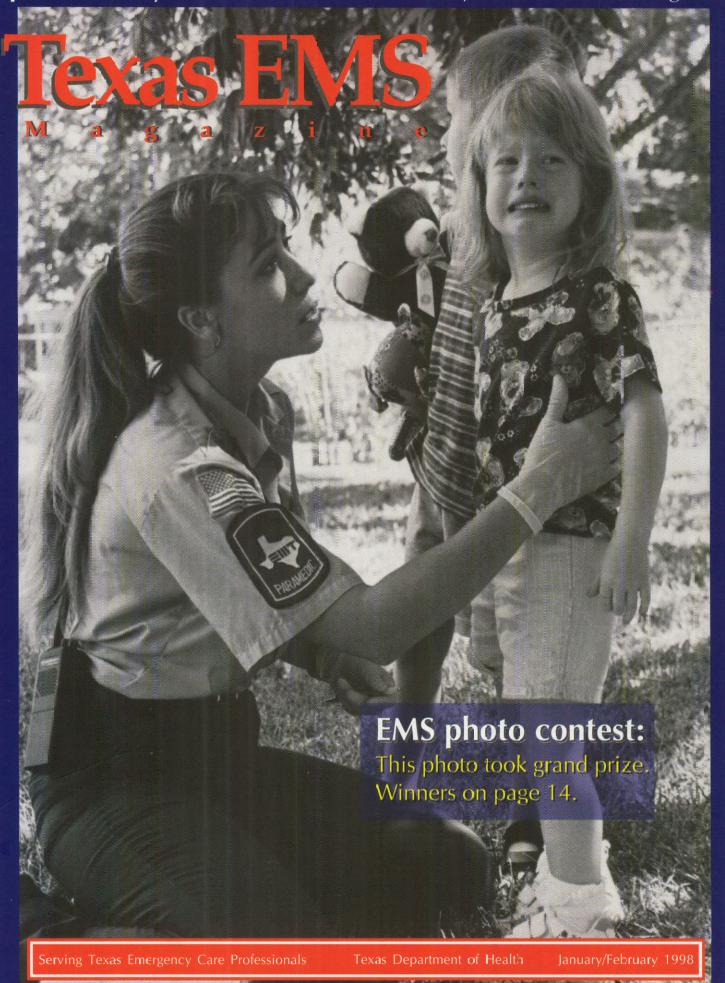
Texas EMS Conference: If you weren't there, here's what you missed. Page 24 **Special delivery!** Learn about labor and delivery in this CE article. Page 34



Come to the EMS Technology Conference. Page 27



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FEATURES

10 Locked up

By David Wampler, EMT-P How do you respond to a wrecked prison van full of patients trapped inside a steel cage?

14 Winning photos

By Jan Brizendine Photos that caught our eyes and won the prizes.

24 Conference wrap-up

The biggest EMS conference in the nation got bigger and better this year.

30 And the winner is...

By Penny Workman The best in Texas EMS was honored at Texas EMS Conference '97.

44 Fielding calls

By Barry Sharp, EMT Take 70,000 screaming fans in one place and what do you get? EMS calls.

46 Hall of Fame

How does Texas honor the greatest in EMS history? The Texas EMS Hall of Fame.



34 Special delivery

By Dan Edwards, EMT-P There's a baby coming—what do you do now? 1.5 hours of CE.



27 First EMS Technology Conference

February 12-13, 1998, EMS Technology hooks up with the huge Government Technology Conference in Austin, Texas.

Texas EMS

Departments

- 5 From This Side Gene Weatherall
- 6 Letters
- 6 EMS Deaths
- 7 Point of View Ruthie Fudge, EMT
- 8 EMS News Penny Workman
- 13 AIDS Awareness Starr Eaddy, EMT
- 16 Local and Regional News Penny Workman
- 22 FAQ: Education Neil Coker, BS, EMT-P
- 23 FAQ: Standards Linda Reyes
- 48 Did You Read Penny Workman
- 50 EHCAC Recap Kathy Perkins
- 51 Emergency Suspensions
- 56 Disciplinary Actions
 Vic Dwyer and Joni Elliott
- 58 Calendar Jan Brizendine
- 60 Texas EMS Profile Chris Currey, EMT-I

Prevention

29 The C Report

By Jean Brender, PhD, RN
The latest recommendations on hepatitis C for health care workers.



Cover photo: This photo was chosen as the grand prize winner from all categories in the 1997 Texas EMS Photo Contest. By Sharon McIver of Kerrville, Texas.



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From this side



Gene Weatherall, chief, Bureau of Emergency Management and Ready Teddy helped Wilham R. Archer III, MD, Commissioner of Health, present EMS awards at Texas EMS Conference '97.

Was there ever a doubt? It's bigger and better in Texas EMS

t's about as official as you can get: Texas EMS Conference is the biggest EMS conference in the country. This year we topped the charts at 2,100 paid participants and about 150 booths. Our next biggest competitor—a national conference priced much higher—brought in about 1,400 paid participants this year. And with more than 110 workshops, we offer more diverse education than anyone else. We always knew Texas was the best and the biggest.

Planning a conference is a lot like putting together a jigsaw puzzle: all the pieces have to be in place for the picture to look right. Let me add something to that. All the people have to be in place for the conference to work. We simply could not have been successful without the efforts of people within in the Bureau and those outside TDH who volunteered their time. But special thanks need to go to a few outside the Bureau: Mike Berg, Austin/Travis County EMS; John Green, Austin Fire Department; Guy Benson, Austin EMS; the Austin EMS Explorers; Ed Racht, MD, medical director for Austin/Travis County EMS; Warren Hassinger, Austin EMS, James Shamard, Austin EMS; Jay Hopper and the Texas Trauma Coordinators Forum for setting up the trauma nursing track; TDH's first responders; Think Child Safety students from Paris, Texas; and Jeff Jarvis, Dan Roberts, MD, and Diane Simpson, Scott & White EMS Education Program, for coordinating the Cadaver Lab. Special thanks to Bonnie Liles and Ed Strout of Austin EMS for putting together the EMS slide show for the opening session. They made us all proud.

In my opinion, the true heroes of this conference are our own TDH staff in Austin and regions, who work hard to make sure that 2,100 people have quality education in comfortable surroundings. And a special thanks goes to Kelly Harrell and her Prevention and Community Relations team for their expert coordination of this annual event.

Letters

To Texas EMS Magazine: I recently attended a TDH town meeting concerning Project Alpha. While I see many positive changes forthcoming, one item that concerns me is the lack of responsibility for each and every county in Texas to provide EMS services.

It has been mandated that each county provide law enforcement and fire protection for many years. Does this mean that property is more important than human lives? If TDH is digressing from the role it has played in assisting rural and volunteer providers, who then will assure their existence?

I believe that it is long overdue that EMS as a whole make a voice through the legislature making counties responsible for the provision of this vital service, not only for its residents, but for those passing through these counties on the highways and byways.

If you agree that EMS should begin this process, write your letters of support to: Michael Gilbert, EMT-P, HCR 3 Box 50-0, Del Rio, TX 78840.

> Michael Gilbert, EMT-P Del Rio, Texas

To *Texas EMS Magazine*: We are fortunate at our college to have many talented and innovative stu-

dents. We like to brag about them. One such student, Shauna Evans, has invented an acronym that we are using to teach patient assessment. Here is how it goes:

<u>Some Idiots In Paramedicine</u> <u>Forget Vital Signs So Doctors</u> <u>Can't Operate.</u>

- S= Scene Survey
- I= Initial Assessment
- I= Interventions
- P= Patient Priority
- F= Focused Patient Assessment
- V= Vital Signs
- S= SAMPLE History
- D= Detailed Patient Assessment
- C= Communicate Radio Assessment
- O= Ongoing Assessment and Interventions

First time EMT students who are learning the steps of patient assessment tell us that it seems like a monumental task. We have found that Ms. Evans' acronym has worked very well as a learning aid. With her permission, we are sending it to you for publication, so that other students may benefit from her creativity. All she asks in return is that she be given written credit.

Carol F. Mason, EMT-P Houston The Bureau of Emergency
Management
mourns the passing of these
EMS friends

Steven McDonald, DO, of Temple, was fatally shot on October 10, 1997. McDonald received his bachelor of science degree from Texas A&M University and served as a paramedic and chief of EMS for Texas A&M University EMS. He was presently serving as a third year emergency medicine resident at Scott & White Hospital. He was also an instructor for Scott & White EMS Education Program.

James Alvin Warwick, 52, of Burnet, died on December 23, 1996, when he was struck by a vehicle while working an accident scene. Warwick had received his 30-year pin with Burnet Fire Department in October 1996, having served as president, vicepresident, secretary, assistant fire chief and assistant fire marshal. He was also an EMS volunteer driver and had worked for the City of Burnet for several years in positions such as traffic engineer, zoning administrator, city alderman and interim city manager.

Answers

Continuing education test in November/December *Texas EMS Magazine*:

- 1. c 6. b 2. d 7. a
- 3. c 8. b
- 4. a 9. b
- 5. d 10. d

CE Clarification: Clarification on "Street Legal," the CE article in the November/December issue: Under the Duty to Act section, the fifth sentence should read, "Once you have begun care, you cannot stop until you have turned the patient over to someone with equal or higher certification." For example, if you are a paramedic and stop to render BLS care, you can turn the patient over to BLS first responders. However, if you are giving ALS care, you have to turn care over to another paramedic or someone with higher certification.

An angel goes home

So many people take life for granted. We get up every morning, get ready for work or play, and never take time to tell our loved ones how much they mean to us. I'd like to share with you this 34-year-old EMT mom's Sunday off.

Telephone rings early Sunday morning, waking up the whole house. We've been invited to Granny's for a barbecue, great family fun. I'm a little tired, thinking about the eventful week with the EMS: several successful runs in three days makes you feel good inside. Later at Granny's, kids are eating, playing, fighting—you know, kids' stuff.

We're all sitting around outside talking when a page for assistance comes over the radio: a possible drowning at the state park. "Oh my goodness!" is all we say. We all listen as the voice on the radio talks on. My heart is really racing by now; we know it is a 9-year-old girl. My heart goes out to the parents of this child. The ambulance is toned out along with everyone else. Divers are coming in from out of town to help look. I'm really getting antsy, thinking, "What can I do?"

So my sister and I leave our families behind at Granny's. As we pull out in traffic, we hear over the radio that they've found the little girl. EMS is working on her. Our hearts race, minds flying: please let her be okay. When we pull up to the park, people are standing around watching. We try to make our way in to help: "EMS personnel, please let me by." As the crowd parts way, there is the scene: Mother sitting on the ground trying to reach in to touch her child. The father is looking on, watching over the medics working on his little girl.

Not a word is spoken as the

medics work. Then the paramedic calls it: "It's too late." I reach down and ask the woman, "Are you the mother?" She turns to me and answers, "Yes, I am." The father cannot believe what he has just heard. He pushes his way to the ground and with loving hands picks up his little girl. Calling out her name, he begs God to please bring her back.

By this time, the EMS crew has stepped back. The mother has crawled to the side of her husband and little girl. Taking the child and weeping in silence, the mother cradles her lifeless little girl. I turn to the paramedic and ask if we can put them in the ambulance. He says they are getting the stretcher now. I take off toward the ambulance to see if I can help.

I get the stretcher ready. I look up to see my sister gently carrying this little girl, trying to make it to the stretcher. I'm on the other side, my arms reaching out to help. "Turn her around," I say. I take her in my arms, laying her down oh, so easy, fixing her straight, covering her. The father runs over and refuses to cover his daughter's face, praying the whole time.

I crawl inside the ambulance, throw the side door open, and guide the stretcher in place. My sister asks what else she can do. The father looks up at her with tears in his eyes, "Please, could you get my vehicle and my other children and take care of them?" Off she goes, leaving me to do what I can.

The mother is sitting so quiet, trying to wipe off the mud and gravel from her daughter's face. I just stand there and watch in disbelief. I snap out of it, get a washcloth and some water and begin cleaning up the little girl's face. People come

and pray over her and my heart hurts for them. I try very hard not to show any emotions, but it overcomes my professionalism. I am crying and asking God to please help this family. I know she is gone, but in my heart, there is still hope for a miracle.

The funeral home personnel arrive. I keep telling myself that I don't even know these people. The back doors of the ambulance open. I bend down and tell the mother, "It's time." The father becomes angry. "I'm sorry," is all I can say, wiping the tears from my face.

They pull the stretcher out of the ambulance, but I just cannot make myself let go. I try my best to help them load her onto the other stretcher. I turn quickly to get away, but find the EMS stretcher needs to be put back. I hurry along, wanting to leave. But I forget my radio back in the ambulance, so I have to go back.

My sister, seeing my condition, asks if I am okay. I tell her I'm going to the car, and I try my best not to have a panic attack. I start to feel sick at my stomach. In the car, I start crying harder than I can ever remember crying. My sister comes to check on me. She tells the paramedic and he comes to give me comforting words. But my job is not finished. I have one more thing to do.

I pull myself together as best as I can. I get out of my car, make my way over to the family, and wait for the right time. The mother turns to thank me and I reach out and hug her. She is so grateful they found her daughter's body. I whisper in her ear, "She's an angel." She says, "Yes, she was." I said, "No, ma'am, she is."

EMT Ruthie Fudge has volunteered in EMS for 10 years. She currently volunteers in North Blanco County EMS.

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

Texas receives CDC, **EMSC** grants

The Bureau of Emergency Management was awarded a Centers for Disease Control and Prevention grant in October. One of only two such grants given, the grant funding will be used by BEM and the Bureau of Epidemiology to further develop the state EMS Trauma system by establishing injury prevention programs, developing system evaluation tools and continuing regional EMS/trauma systems development through the trauma Regional Advisory Councils and designation of trauma facilities. BEM was also granted an EMS for Children grant from the Department of Health and Human Services. This grant will assist in the development of a pediatric facility categorization process and the expansion of pediatric injury prevention programs.



Covers

We've learned that the cover photo of the July/ August '97 issue of Texas EMS Magazine, was taken by Al Briseno of Fort Worth. The photo features the Saginaw Fire Department.

On the cover of the November/December '97 issue, the Dalhart EMS crew was transferring the patient to Medivac I in Amarillo, part of the Panhandle Emergency Medical Services System.

Paramedic's roles in Florida restored by state attorney general's ruling

In September, Florida's assistant attorney general ruled that emergency rescue workers can provide limited preventive care, such as immunizations and blood pressure screenings. These duties are considered to be consistent with the duties of medical assistants under Florida law, as long as the individuals are properly trained and work under the direct supervision of a licensed physician. In July, Florida's health secretary barred emergency rescue workers from offering immunizations and screenings after a state health department lawyer said that offering preventive care would constitute practicing medicine without a license.

Austin announces new assistant fire chief

Austin Fire Department Acting Fire Chief Gary Warren announced the appointment of Lionel Bess, battalion chief, to assistant fire chief. Bess has served with AFD for 15 years and as battalion chief, was responsible for the Training Division.

Texas cities awarded **MMST** monies

Three Texas cities received federal money to develop Metropolitan Medical Strike Teams for their areas. Houston, Dallas and San Antonio were each awarded \$350,000 in contracts that allow them to begin developing specialized strike teams to provide medical care in incidents involving nuclear, chemical or biological terrorism. MMSTs are designed to be capable of providing initial on-site response, safe patient transportation to hospital emergency rooms, and medical and mental health care to victims of these attacks. They will also be able to move victims to other regions should local health care resources be stretched. The systems are characterized by specially-trained responders, special pharmaceuticals and decontamination equipment, on-site health care, and enhanced emergency medical transportation and emergency room

capabilities. The first MMSTs were established in the Washington, D.C.-metropolitan area and in Atlanta in preparation for the 1996 Olympic Games.

NHTSA adds document to web site

The National Highway Traffic Safety Administration has added a new booklet to its line of EMS documents currently on the web page. "A Leadership Guide to Quality Improvement for EMS Systems" is presently only available through the NHTSA web site, but a print version is expected soon. NHTSA's web page can be found at http://www.nhtsa.dot.gov/people/injury/ems/leaderguide/index.html.

Project SAVE begins in Texas

Project SAVE (Stop Alcohol Violations Early) is an education and awareness campaign geared toward addressing the problems associated with underage drinking in Texas. Created and taught by the Texas Alcoholic Beverage Commission, the program teaches children grades 4th-9th about what alcohol is, alcohol's effects on the body, alcohol's use and consequences of its use. The program also addresses the issue of peer pressure in underage drinking. For more information about Project SAVE, contact Kirk Dalchau, TABC Regional Education Coordinator at (888) THE-TABC.

Guardian dive computers recalled

In October, Mares America Corporation of Norwalk, Connecticut, recalled Guardian dive computers. The computers are used to determine dive depth, dive time and other automatic

measurements during scuba diving. The computers can fail to function if water leaks into the battery compartment, by not automatically switching on during a dive or by failure of the control buttons. For information contact Mares American Corporation at (800) 874-3236.

San Antonio doctor receives Golden Apple Award

The Texas Medical Association presented the 1997 Golden Apple Award to Donald Gordon, MD, in November. The award recognizes a Texas physician for significant contributions to public health. Dr. Gordon was recognized for his service with EMS providers and volunteer fire departments in San Antonio and Bexar County.

TCEP moves

The Texas College of Emergency Physicians has moved. The new contact information is TCEP, 512 East 11th Street, Suite 207, Austin, Texas, 78701. Their phone numbers are (800) TEX-ACEP; (fax) 512-478-4092.

November 12	, 1997
ECA	7,126
EMT	24,344
EMT-I	3,747
EMT-P	11,345
Total	46,562
Coordinator	394
Instructor	1,959
Examiner	2,285



Donald Gordon, MD

Web pages of interest

Looking for child injury prevention information? Check out the Think Child Safety page at http:// www.1starnet.com/ safety

The National Registry of EMTs has a web page at http:// www.nremt.org

For a statewide schedule of BEM meetings, visit our web site at http:// www.tdh.state.tx.us/ hcqs/ems/emshome .htm

The Texas Society of EMTs has online CE credits for \$1 per hour. Find their web page at http://www .lapp-companies.com

CKEC Prison van call gives new meaning to extrication

recent accident on the interstate approximately seven miles outside Kerrville put our fire department personnel to a major rescue test. In my seven-year EMS career, I could never have even conceived the potential complications of a mass casualty incident inside a heavy-duty, reinforced steel cage.

At about 3:30 a.m., a 9-1-1 call came in for a major accident involving a van vs. an 18-wheel truck. As bad as this call sounds, it only gets worse. Our first arriving ambulance reported possibly ten victims inside a prisoner transport van, and requested more help—a lot more help!

I was in the second ambulance unit on the scene, arriving at the same time as the first fire unit and approximately five minutes before the rescue truck. My initial scene survey revealed a suburban pulling a travel trailer that had jack-knifed at the bottom of a steep hill with a blind curve, and had laid over on its side. The first bystander on scene had pulled his 18-wheeler half into the right lane and half onto the shoulder.

The second vehicle on the scene was a Texas Department of Corrections van transporting seven prisoners to be released the next day. One guard, who had been riding in the front passenger seat, had gotten out to help the victims of the original accident when a second 18-wheeler coming from the same blind curve lost control, jack-knifed and rear-ended the prisoner van with enough force to push the van under the first tractor trailer.

Neither the guard who had gotten out or the second truck driver were injured. The driver of the van was pinned between the dash and the back of the bench seat, but was alert and complaining only of difficulty breathing due to the pressure of the dash on his chest; he was otherwise uninjured. In the second forward-facing seat were two prisoners; the one on the left was alert and uninjured. Next to him on the same seat, right side, was an unconscious, breathing prisoner with a piece of his skull stuck to the cage directly behind him. This forwardfacing seat was enclosed on all sides

1995, 29.5 percent of high school seniors acknowledged having five or more drinks in a row during the previous two weeks.

National Highway Traffic Safety Administration

10

by a heavy-duty, steel-reinforced cage. Directly behind this cage was a second cage with two center-facing bench seats: one seat holding two prisoners, the other holding three. These two seats were both in the same type of cage described above; however, the victims had been thrown to the floor like dice in a game of human Yahtzee.

It was immediately clear that the incident had multiple complications. Number one was the helpless feeling of the rescuers who had no equipment to gain access to the victims in the van until the rescue truck arrived on the scene. Adding to that, all of the prisoners were wearing shackles and belly chains, as well as being trapped in the cages. The victims could not help themselves or anyone else, nor could they move off of the seriously injured people.

Once the rescue truck arrived on scene, another major question arose: Where do we start? With only two power plants to operate the hydraulic equipment, so many critical patients and the inability to triage, the decision-making process became less based on initial assessment and more on where we could do the most good by gaining access to the most victims.

Once the rescue operations began, we quickly gained access into the van but were then confronted with the security cages. Nobody in our department had been trained on how to get into these cages, and since the locking mechanism had been destroyed by the impact, the cage doors had to be forced. Since the cages were made of reinforced steel, there was no place to get a bite with the spreaders. The size

of the holes in the heavy duty chain link caused the cutters to be ineffective, and with the proximity of the victims, the rescuers saw this as far too dangerous anyway.

With the overlapping nature of the gates, we discovered that the only way to force them open was to use Halogen tools to manually spread the support structure to get the tips of the hydraulic spreaders far enough into the gap to be effective. This maneuver had to be done at the very top corner, the weakest point, then worked down to the actual locking mechanism. Once at the lock, the spreaders needed to be positioned to provide lateral force to separate the locking pin from the post, as opposed to attempting to shear the locking pin. After the lock had been disengaged, the door still had to be forced open due to structural damage. This process had to be repeated to gain access into the second cage.

We were then faced with the extrication of five patients from the rear cage, all of whom had been unrestrained. We could immediately see that the patient on the bottom of this pile was unconscious. This made everybody in the compartment a candidate for rapid extrication, starting from the top and working down.

Extrication was complicated due to the shackles and belly chains, as well as the small working space. Placing a medic inside the van and two outside the van, each patient was fitted with a cervical collar and as carefully as possible, untangled from the others one by one and put onto backboards. The primary consideration was to stabilize the C-spine

EMS Fact:

Alcohol is the "drug of choice" for 52 percent of all young people ages 12 to 17, with alcohol use and abuse starting as early as sixth grade. —National Highway Traffic Safety Administration

while getting to the bottom of the pile as rapidly as possible.

From the initial call to the time the last patient was transported was just over an hour with this injury list: three femur fractures (one person had

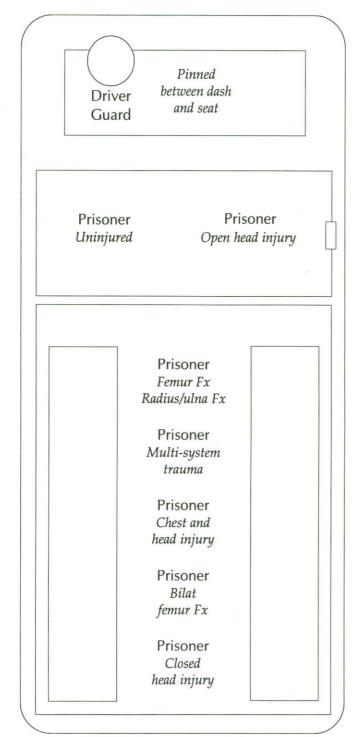
a bilateral fracture), one open skull fracture, multiple closed head injuries, a few pneumothoraxes and multiple internal injuries. The most seriously injured were enroute by air to a trauma center within forty-five minutes.

Although at first glance it appears that the cages were a major cause of injury and a significant extrication complication, there is another side of this issue. It could well be that the prisoners were somewhat protected by the reinforced structure of the cages, which reduced passenger compartment intrusion. In my experience, an impact of this magnitude should have caused a multiple fatality situation.

In retrospect, the rescue operation was handled efficiently considering all of the obstacles encountered. Total patient outcome was improved by rapid scene survey and the help of other agencies. Texas DPS, Kendall County EMS and San Antonio Airlife assisted with scene control and transportation of the injured.

This was a situation that nobody in EMS, outside of Texas Department of Corrections perhaps, would ever think about handling. But with the growing number of prisons, this incident could happen in any jurisdiction. Combined training with emergency personnel and TDC transportation jailors is the best way to be prepared for this type of disaster.

David Wampler has been a field paramedic for four years and works for the Kerrville Fire Department. He is also an instructor for UT Health Sciences Center in San Antonio.



AIDS Awareness

By Starr Eaddy, EMT

Protease inhibitors: new drugs bring hope and side effects



rugs for HIV/AIDS fall into three basic classes that attack HIV/AIDS at different points in its life cycle. The protease inhibitors, the newest class of AIDS drugs, work late in the cycle. Initial data suggest that protease inhibitors are effective in reducing the amount of circulating HIV/AIDS particles present in the blood, called viral load. Some people living with HIV/AIDS report "undetectable" viral loads after being on one of these drugs. People believe this optimistic news signals the end of AIDS without understanding what the success of protease inhibitors may really mean. The good news is that we have one more weapon to fight HIV/ AIDs; unfortunately the battle is far from over. First, the fact that a viral load is "undetectable" does not mean that HIV/AIDS is absent. Research suggests that HIV/AIDS may remain dormant in parts of the body inaccessi-

ble to conventional testing techniques. Also,
since protease inhibitors
have been available only
a brief time, no one
knows how long they
will work or if HIV/
AIDS will develop resistance to them, as it has
with many other drugs.
And protease inhibitors
don't work for everyone.

It is important to note that if an individual

has been exposed to HIV/AIDS, he or she will test positive for antibodies regardless of the viral load. Once an individual is exposed to HIV/AIDS he or she will carry antibodies for the rest of his or her life. An HIV/AIDS test looks for antibodies; viral load tests look at the number of copies of HIV/AIDS in the blood stream.

As with many chronic or life-threatening illnesses, the sheer number of drugs and their possible interactions with each other presents a considerable challenge for patients and health care providers alike. Protease inhibitors are most effective when given in combination with other AIDS-fighting drugs, in what is commonly called a "cocktail" treatment regime. An individualized combination of drugs attacks HIV/AIDS at a variety of points in its life cycle, making it more difficult for the virus to replicate and infect other cells.

This article was completed with the assistance of OUT magazine's Extra, Ms. Jeannette Bailey and Mr. Craig Hayworth. Additional information on HIV!AIDS medications can be obtained by contacting the pharmaceutical company. This list is a brief overview of protease inhibitors in current use at the time of publication, and it is not meant to be comprehensive.

	PROTEASE INHIBITORS	
Drug/Dosage	Side Effects	Adverse Interactions
Invirase (saquinavir) 1,800 - 7,200 mg/day	few	Rifampin, rifabutin, ketoconazole
Norvir (ritonavir) 1,000 - 1,200 mg/day	Nausea, vomiting, weakness, diarrhea, numbness around mouth	Many, some life-threatening.
Crixivan (Indinavir) Three 800 mg doses/day	Kidney stones, sludge	Rifabutin, ketoconazxole, rifampin, terfenadine. Use caustin during pregnancy
Viracept (nelfinavir) Three 750 mg doses/day	Few. Diarrhea, elevated liver enzymes.	Potentially life threatening if taken with Seldane, Hismanal, halcion or Versed. Reduces levels of the oral contraceptive ethinyl estradiol by 50%.

Winning photos

Some outstanding photography can be seen at the Texas EMS Conference—the display of all the EMS photo contest entries

ore than 100 photos were a big attraction to the nearly 3,000 people who visited the exhibit hall at the Texas EMS Conference. EMS people gathered around to see what other EMS people are doing in their jobs—and to look for friends and coworkers in the photos. Entries come from every area of Texas—sometimes entries even come from other states.

Photographers enter photos of emergency scenes, rescue scenes, edu-

cational settings and community events. EMS, fire-fighters and law enforcement are shown in action. Photos of the elderly, children and even pets being rescued come in, along with many more EMS situations.

Winning photographers receive money, plaques or ribbons. They also get the chance to see their photos used in *Texas EMS Magazine*, EMS brochures, posters, displays and presentations. We

have used many photo contest entries on the cover of *Texas EMS Magazine*.

Photos are used to make the EMS materials produced by the Bureau of Emergency Management more interesting and educational. Articles about emergency or nonemergency situations are made more interesting with photos showing how EMS personnel do their jobs.

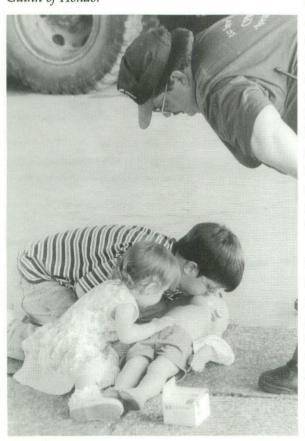
The judging is done by all Texas EMS Conference attendees. The rules state that the guidelines used to select winning photographs are based on artistic composition, originality, visual appeal and good patient care. Six photographs win.

The cover photo of this issue was entered in the 1997 photo contest by Sharon McIver, from Kerrville, Texas, and was chosen as the grand prize winner from all categories.

Photo entries can be in black and white or in color. We keep the standard sizes of 8x10 or 5x7 so they will be easier to display.

The entry form is on the next page—remember to keep your camera loaded with film and be ready for the 1998 photo contest. The deadline for the contest is November 1. All photos will be displayed at this year's conference and winners will be announced during the conference. The photo contest rules are on the next page.—Jan Brizendine

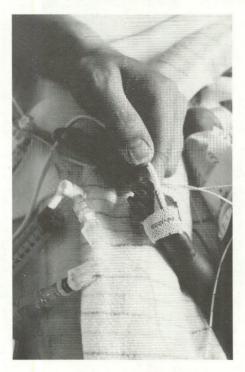
A young boy learning CPR because his sister had sleep apnea. First Place, black and white, by Francis Guinn of Hondo.







(Left) A father tries to comfort his children after an auto accident. First place color, by John Davenport of San Antonio. (Right) A candle started the fire that firefighters keep under control. Third place, by Ryan Holohan of McKinney.



(Above) A tiny hand reaches out in a neonatal ward. Second place, by Fernando Serna of San Antonio. (Below) Paramedics work an autotrain accident. Honorable mention, by Cary Avey, EMT-P of Daisetta.



1998 Texas EMS Photography Contest entry form

Name		44.5	
Employed by			

 Adcress ______

 City ______
 State ______ Zip _____

Phone (home) _____(work) ___

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

Deadline for entering: November 1, 1998

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

Photo Contest Rules

Photographer's

- · Anyone is eligible; no entry fee is required.
- Entries must be received **no later than November 1, 1998.** Winners will be announced at the Texas EMS Conference, November 22-25, 1998.
- Unmatted prints 8x10 inches or 5x7 inches may be submitted in color or black and white. Fill out the entry form on this page, tape it to the back of your photograph, and mail your entry to: Texas EMS Photo Contest. Texas Department of Health, 1100 W. 49th Street, Austin, Texas 78756-3199. Judges will select winning photographs based on artistic composition, originality, visual appeal, and good patient care.
- The Texas Department of Health will keep all photo entries and will have the right to publish entries in TDH publications. The photographer's name will be printed along with the photo. Ownership of the negative will remain with the photographer.
- · Winning categories and prizes:

One grand prize winner from all photos—\$100 and a plaque
Two first place winners (one color and one black and white)—each
wins \$75 and a plaque
Second place—\$50 and a ribbon
Third place—\$25 and a ribbon
Honorable mention—\$15 and a ribbor.

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

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

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

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

South Texas EMS gives back-to-school shots

South Texas EMS in Alice participated in a back-to-school project in August. STEMS, along with Shots Across Texas, DARE and Driscoll Children's Hospital Mobile WIC unit, gave child and adult immunizations at a Wal-Mart. Ready Teddy and DARE's Super Pup were there to make the clinic more entertaining.

EL Paso ComSAR team escorts governor

The El Paso Combined
Search and Rescue Team was
requested to accompany Governor George Bush and his wife
during their visit to Franklin
Mountain State Park in August.
The governor, his wife and
several local high school students hiked through the state
park. Franklin Mountain State
Park is surrounded by the City
of El Paso and the U. S. Army

Air Defense Center at Fort Bliss. Search and rescue services for the park are provided by the EMS-led El Paso ComSAR team, which is made up of paramedics, firefighters and police officers.

9-1-1 call foils bus hijackers' plans, telecommunicator honored

In November 1996, a bus headed from Texas to casinos in Louisiana was hijacked by three men demanding the passengers' money. While people cried and coughed and the hijackers' shouted, a woman called 9-1-1 from her cellular phone. Telecommunicators dispatched two Smith County sheriffs who quickly located and stopped the vehicle. After firing two shots, the three armed men ran from the bus into a nearby wooded area. All three were captured by the following morning. One of the telecommunicators, Bill

South Texas EMS, along with other agencies, participated in a Shots Across Texas event, giving immunizations to people at a local WalMart. Participating were, from left, back row, Tony Aguilar, DARE instructor; K.M. Herrington, EMT-P; Super Pup; Ready Teddy; Adan Garcia, EMT; and Mari Perez, EMT, TDH Public Health Region 11 Immunizations. From left, front row, are J.R. Gonzalez, EMT; and Pete Vela, EMT.



Governor George Bush, center back, stands with members of the El Paso ComSAR team at the Franklin Mountain State Park. Pictured with the governor are, from left, back row, Chief W.H. Brown; Carlos Prado, EMT-P; Sven Wahlroos, EMT-P; Emiliano Soto, EMT-P; Don Wilson, EMT-P; and District Supervisor Don Janes, all members of El Paso EMS. On the front row, from left, are Captain Javier Renteria and Captain Greg Burns, members of the El Paso Fire Department.



Mullins of East Texas Medical Center EMS, was presented the 9-1-1 Telecommunicator of the Year award by the State Advisory Commission on Emergency Communications for his actions during the 9-1-1 call.

Best Care EMS recognized in newspaper

Best Care EMS in Bellaire was recognized by the *Houston Chronicle* for its efforts in educating children about calling 9-1-1 and EMS. The article listed details about Best Care EMS' and Ready Teddy's visits to a local Head Start program and four elementary schools, where they presented the Make the Right Call program and a seat belt safety program.

TechStar EMS, Dawson VFD hold EMT class

TechStar EMS and Dawson Volunteer Fire Department held an EMT class over the summer with 11 students from Navarro and Hill counties. As part of the course, a mock vehicle collision was set up, allowing the students to get hands-on experience. Students took turns being crash victims and medics.

Fire chief sees victim's point of view

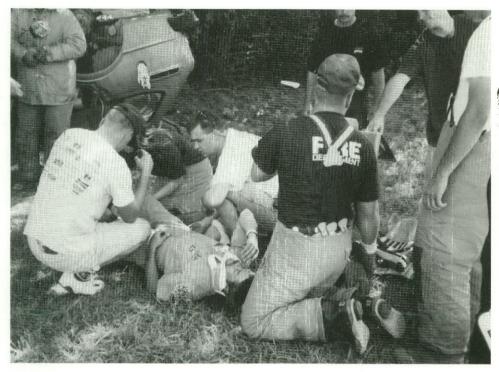
Eric Metzger, fire chief of Flower Mound Fire Department, found himself on the other side of the situation when his 18-year-old daughter was critically injured in a car wreck in August. The fire department organized a blood drive to assist her recovery.

Tri-County EMS sponsors examiner class

A 16-hour EMS Examiner course was completed by nine EMS personnel in Public Health Region 8 in July. Personnel from Eagle Pass FD, Val Verde EMS, Comstock Volunteer Rescue and River City EMS participated in the class. The class, sponsored by the Tri-County EMS Training Program, was held at Val Verde Regional Medical Center in Del Rio.

Think Child Safety recognized, Think Senior Safety begins

The Think Child Safety program was recently recognized in the Paris News for dedicating memorial "Slow -Think Child Safety" signs to the community. Several other Texas cities, such as Brownsville and Plainview, are presently participating in the Think Child Safety program. The Paris News also recently announced that the Think Senior Safety program had spun off of the TCS program, with many of the same supporters. "Safe homes for seniors also will mean safe homes for children....We were seeing injuries to children as a result of problems within



EMT students from Navarro and Hill counties practice their skills in a mock motor vehicle crash. The class, instructed by Tim Dennis, EMT-P, was set up by TechStar EMS and Dawson VFD.

grandparents' homes," said Stewart Dodson, a paramedic in Paris. The Think Senior Safety program has already placed more than 100 fans in seniors' homes and is new placing smoke detectors in homes.

AMR teaches emergency medicine to Mexico City medics

American Medical Response in McAllen held its 10th annual workshop in August for emergency medical providers from Mexico City. During this week-long workshop, the students received training in CPR, basic EMT skills and extrication tools and techniques. They also rode out on AMR ambulances. The students are brought by Dr. Jose Luis Lopez Cruz, presidente, Asociación

Mexicana Para La Ensenanza De Los Servicios De Emergencia, A.C.

Darrouzett builds classroom

Darrouzett Volunteer Ambulance Service in the Texas Panhandle recently completed a new classroom in its ambulance facility. Built by volunteers, the classroom was immediately put to use for an EMT class with 10 students. The new classroom was dedicated in memory of Ellen Garris, a former Darrouzett VAS member.

From left, EMT Lisa larvis, Ready Teddy and EMT Harrold Goodin pose in front of a Best Care EMS ambulance.
The service allows children in area schools to tour the ambulance as part of its injury prevention program.





Children pose for a picture in a Think Child Safety car in Paris recently. The Think Child Safety program has recently spun off another injury prevention program, Think Senior Safety.

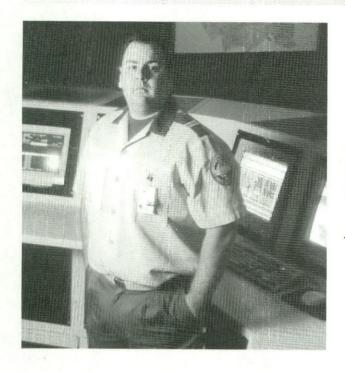
International relief agency seeks used ambulances, medical equipment

Feed the Children, an Oklahoma City-based international relief agency, is seeking donations of used ambulances and medical equipment. The donated ambulances and equipment will be used in countries that are impoverished or experiencing famine, flood, drought, war and other calamities. One unit donated by Reliable Emergency Vehicles, Inc., of Comanche, and given to Juamave, Mexico, recently was credited with saving the lives of five missionaries. The unit

responded when the missionaries' van collided with a large truck in the Sierra Madre mountain range. Other ambulance manufacturers have also donated ambulances to Feed the Children. Feed the Children has provided assistance to all 50 states, the District of Columbia and 74 foreign countries.



South Texas has nine new EMS examiners, thanks to a Del Rio course in July. From left, front row, are Wayne Ramsey, EMT-P; Roy De La Cruz, EMT-I; Martin Seca, EMT-I; Robin Thompson, EMT, RN; Karen Clopton, EMT-P; Susie Jechow, course instructor; and Felipe Zavala, EMT-I. From left, back row, are Chris Wheeler, EMT-P; Nancy Perry, course instructor; Ray Flores, EMT-I; and Robert Graham, EMT-P.



Bill Mullins, EMT, of East Texas Medical Center EMS, received the 9-1-1 Telecommunicator of the Year award in August from the State Advisory Commission on Emergency Communications. The award recognized his response to a 1996 9-1-1 call from a hijacked bus.

Bay City EMS holds blood drive

Bay City EMS looked beyond prehospital treatment when it sponsored its second blood drive of 1997 in October. The first was held during Texas EMS Week in May. The two blood drives produced 68 blood donations. In addition to donating blood, Bay City EMS personnel grilled hot dogs for donors during the events.

Tri-County EMS establishes memorial scholarship

Tri-County EMS in Aransas
Pass established a memorial scholarship in memory of former Aransas Pass Mayor James Attaway, Jr.
Attaway had served eight terms as mayor in Aransas Pass. When he died, he was serving as the treasurer of Tri-County EMS and a board member for Coastal Bend Hospital Foundation.

Austin opens first jointlybuilt fire/EMS station

South Austin had a new fire/ EMS facility open in October. This facility was the first Austin station to be initially built as a joint fire and EMS station. A grand opening ceremony was held for the public. Special guests included Austin Mayor Kirk Watson, Austin EMS Director Sue Edwards and Acting Fire Chief Gary Warren.

Employees of AMR in McAllen recently sponsored a workshop for EMS providers from Mexico City. For the last ten years, AMR in McAllen has held the annual educational workshop for a group of emergency medical providers from Mexico City.



Texas Department of Health EMS Offices

Bureau of **Emergency Management** 1100 West 49th Street Austin, Texas 78756-3199 (512) 834-6700

Public Health Region 1 Terry Bayousett P.O. Box 968, WTAMU Station Canyon, Texas 79016-0968 (806) 655-7151

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

Public Health Regions 2 & 3 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 (817) 767-8593

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

Public Health Regions 4 & 5 Jim Arnold 1517 W. Front Street Tyler, Texas 75702-7854 (903) 595-3585

Public Health Region 6 C. Wayne Morris 5425 Polk Street, Suite J Houston, Texas 77023 (713) 767-3000

Public Health Region 7 Rod Dennison 2408 S. 37th St. Temple, Texas 76504-7168 (817) 778-6744

Public Health Region 8 Lee Sweeten 1021 Garner Field Road Uvalde, Texas 78801 (210) 278-7173

Steve Hanneman Fernando Posada 7430 Louis Pasteur San Antonio, Texas 78229 (210) 949-2050

Public Health Regions 9 & 10 Tom Cantwell 6070 Gateway East, Suite 401 El Paso, Texas 79905 (915) 774-6200

Leland Hart 2301 N. Big Spring, Ste. 300 Midland, Texas 79705

Noemi Sanchez 601 W. Sesame Dr.

Corpus Christi, Texas 78401 (512) 888-7762



By Neil Coker, BS, EMT-P

Frequently asked questions about

EMS Education

Neil Coker is the state EMS training coordinator. Call him at (806) 743-3218 or email him at ALHNBC @TTUHSC.EDU **Q**. Can we count time spent practicing skills toward our CE requirements?

A. Yes, skills practice sessions can be included in an On-going Program. In fact, the On-going Program Application specifically asks whether the program will be lecture, skills or a combination of both. Skills practice sessions conducted for CE credit must meet the same criteria as lecture sessions. There should be a lesson plan with objectives on file; the session must be supervised by a qualified instructor; and a post-test requiring demonstration of skills proficiency must be conducted.

Q. I'm preparing an application for an On-going CE Program. I don't understand how I can schedule everything for two years in advance and at the same time tie our CE program to our QI program. What do I do?

A. The intent of asking for a schedule is to assure that the sponsor has an organized plan for developing and delivering programming. If the application states "continuing education sessions will be taught from 1800-2100 hours on the third Tuesday of each month," you have established a schedule. Knowing that a program has to be provided by a specific date each month tends to promote planning that might otherwise not occur. You do NOT have to list every lesson by date for the next two years. This takes away the flexibility which a good continuing education program must have. It also negates the effects of the QI process which should be the foundation of a service's On-going CE Program.

Q. Can I get CE credit for attending sessions of a course being taught for initial certification? I was told by a course coordinator that initial courses weren't CE-approved.

A. All courses taught for initial certification are automatically approved for

CE credit. However, the course coordinator has the option of limiting participation to initial students. Some coordinators simply do not want to assume the additional administrative burden required to grant CE credit to certified persons. Others feel that having to handle the paperwork and testing requirements for CE students takes too much time away from working with those taking the course for the first time. When a course coordinator says you cannot attend an initial course for CE, this is a decision he or she has made, not a restriction imposed by TDH.

Q. I'm the nurse manager of a hospital department that serves as a clinical site for an EMS training program. My staff and I have noticed that the students frequently spend a lot of time standing around even though we have work for them to do. What can we do to help get them more involved?

A. If you talk to the course coordinator, you probably will discover one or more of the following problems:

1. The objectives for the rotation are not well-defined or the students are not being oriented adequately. You might review the orientation that students receive from your staff when they come to the department for rotations.

2. Students are being sent to clinical rotations too early during the didactic phase of the course. Since they lack the knowledge base and skills to participate in patient care, they are reluctant to get involved. Consider working with the course coordinator to help identify when it would be appropriate for students to begin rotations in your department.

3. Too many students are being sent to your department at a time. This can result in students gathering together in groups to gain a feeling of security.



Linda Reves

Frequently asked questions about **EMS Standards**

Q: How long before the health department will provide a quick way for providers like me to verify EMS certification for prospective employees?

A: EMS certification verification status is now available via the Internet! Anyone with Internet access can look up an individual's certification status. Our goal is to make certification verification as simple and expeditious as possible for providers and employers. The Internet address for the certification verification page is: http:// www.tdh.state.tx.us/hcqs/ems/ certqury.htm.

Q: One of my employees is a Texas EMT and has recently taken his exam for paramedic certification. How soon will I be able to verify his new certification level on your web certification verification page?

A: The web certification verification page is a look-up screen directly linked to our live database. As soon as our technicians complete data entry for an applicant, you will be able to inquire and see the status of that particular application. After a candidate takes an exam it should take no more than two weeks after test date for you to see the new certification status, but it can be as quickly as five days.

Q: I have not been able to find the EMS Standards home page on the Texas Department of Health (TDH) web site. Where are you located?

A: When you are at the TDH home page, click on the star labeled, "Health in Texas" and follow the signs to "Emergency Medical Services Standards." Our web site address is: http:// www.tdh.state.tx.us/hcqs/ems/ stndhome.htm.

Q: Where can I get up-to-date informa-

tion for maintaining and renewing my EMS certification?

A: We have staff located throughout the state in regional offices available to answer your questions. The most innovative source is our Internet site. On our site you will find forms (downloadable), course schedules, continuing education requirements, application procedures, policies, rules, region office staff internet addresses, and much, much more.

Q: I've used the certification status look-up page and some days I'm not able to retrieve any information. What's the problem?

A: Several people have notified us about the certification status page not working. As far as we can tell, the wide area network (WAN) has been down. During the month of November the WAN was down each Saturday morning for servicing. Please bear with us as we try to improve our system.

Q: Will you accept the National Registry exam in place of the TDH exam?

A: Yes. But you still must submit an application, a fee and a copy of a course completion certificate from a Texas-approved course. Further, the National Registry exam or retest must be passed within six months of course completion date.

We ask that you let us know you will be taking the National Registry exam in place of ours when you submit your application. The National Registry regularly sends us grades for those who tested in Texas, but we request that you send us a copy of your grades as a prompt for us to verify.



January/February 2000 CE Summary Report Due

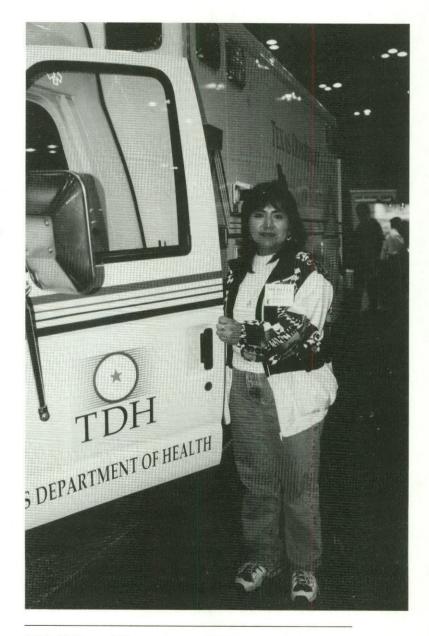
If your certification expires in January or February 2000, your CE summary report is due now.

> **EMS Standards** Internet certification verification now on our web site

Certification verification phone line: (512) 834-6769; Fax number: (512) 834-6736 Web home page address: http://www. tdh.state.tx.us/hcas/ ems/stndhome.htm

Austin conference sets new records for attendance

op-quality education seemed to be a top draw: Texas EMS Conference '97 drew the largest number of attendees ever. Nearly 2,100 people traveled to Austin to choose from more than 110 different quality workshops covering topics ranging from seizure management to the tornado response in Jarrell. Add to that another 600 exhibitors, faculty and staff, and you've got a big bunch of people in the Austin Convention Center. Besides the workshops, one of the most popular attractions was the exhibit hall, which was set with about 160 booths, including 30 ambulances and rescue vehicles, and even a fire truck. TDH staff began working on the 1998 conference in mid-December. Look in the March/April issue of Texas EMS Magazine for Texas EMS Conference '98 information. See you next year in Austin!



Michelle Rosa of Kinney County EMS accepts the keys to the TDH ambulance on behalf of her service. The ambulance, which TDH has used two years for demonstrations, was presented to Kinney County in a special grants presentation during the luncheon Tuesday.



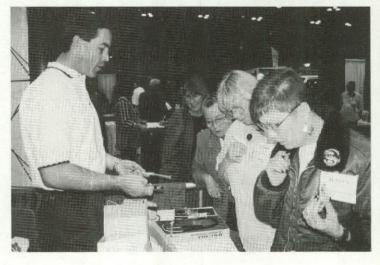
The exhibit hall had about 160 booths, including 30 ambulances and rescue vehicles, a fire truck and a helicopter.

Thanks to the Public Health Regional staff for their help with Texas EMS Conference '97

PHR 1 Terry Bavousett Denny Martin PHR 2/3 Jimmy Dunn Jerry Bradshaw Andrew Cargile David Post Randal Martin PHR 4/5 Jim Arnold Pat Dilday Valerie Turrlinson Joe Amlin PHR 6 Wayne Morris **Brett Hart** Scott Reichel

David Rives Kevin Veal PHR 7 Rod Dennisor. Mike Fcegelle Chris Quiroz PHR 8 Lee Sweeten Steve Hannemann Fernando Posada PHR 9/10 Tom Cantwell Leland Hart Tony Viscon PHR 11 Noemi Sanchez Rothy Moseley Carlos Tello

An exhibitor explains what's new in EMS equipment to an attentive audience. Thousands of people visited the exhibit hall each day to learn about state-of-the-art EMS.





People at the EMS awards luncheon sat at tables with red, white and blue tablecloths decorated with teddy bears. The bear centerpieces went to the volunteer, public and private services who won Texas EMS awards, to give to children they transport.

(Right) Students wait for class to begin in the preconference Cadaver Lab on Sunday. Instructor Dan Roberts, MD, gave students a chance for some hands-on experience during the lab, which was coordinated by Scott & White's Paramedic Education Frogram.

(Bottem) North Paris High School health occupation/Think Child Safety students volunteered at the conference, helping at registration and handing out CE after classes. In all, about 60 volunteers from Austin/Travis County EMS, Paris high schools, Austin EMS Explorers and TDH first responders helped the conference run more smoothly.





Thanks to the 1997 Texas EMS Conference Committee

Dan Bailey
Andy Blum
Jan Brizendine
Bobbie Broadbent
Harold Broadbent
Sharon Browder
Neil Coker
Stephania Coleman
Glenn Conner
Norman Crabb
Betsy Dubard
Vic Dwyer
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Vanessa Ross
Billy Sladek
Joe Stone
Paul Tabor
Terri Vernon
Susan Warren
Gene Weatherall
Pam West
Sam Wilson
Jaime Wise
Penny Workman

And thanks also to the bureau staff who kept the bureau running smoothly: Lori Bassford, Calvin Blackman, Jack Edwinson, Joni Elliott, Nancy Karr, and Linda Reyes.

Blast into the 21st century with

EMSTC

EMS Technology Conference

February 12-13, 1998 Austin Convention Center Austin, Texas

Hands-on training in the hottest technology

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

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

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

Mention GTC conference for special hotel rates.

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EMS Technology Conference Sponsored by Texas Department of Health and Texas Health Foundation in conjunction with Government Technology Conference February 9-13, 1998

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

EMS TECHNOLOGY CONFERENCE

February 12-13, 1998 For information call (512) 834-6700



Austin Convention Center Austin, Texas

EMS Technology Conferen	ce Registration (orm	
Note: Make a copy of this form for each additional registration- like you want your name tag to be printed. (Please type or	only one registration per print the information)	er form. Fill in the	name exactl
irst Name——————— Last N	Vame ————		
ddress	City		
tate — — Zip — — — — — Phone .			
ertification: ECA EMT EMT-I	P Other/Title		
		(do not mail	after 2/1/98)
MC Visa Credit Card No.	Conference	Conference	Amount
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	foo only \$105		\$ 195
ignature of Card Holder	fee only \$195 at the door	Total Amount enclosed	\$ 195

See you in Austin February 12-13, 1998

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*	First Name		Title	Friday, February 13, 1998 9:45 - 10:45	REG
MC Visa Credit Card NoCard ExpSignature of Card Holder	Number of classes (one hour each) \$300 per class	Amount enclosed	Class name:	11:00 - 12:00 2:00 - 3:00 4:00 - 5:00	SITOR
Make check to: Texas Health Foundation Mail to: Exhibitor EMSTC Conference PO Box 142694 Austin, Texas 78714-2694	Number of classes	\$	Please attach knowledge of the class content on	objectives and brief outline a separate sheet of paper.	EXHIBIT

The C Report

CDC releases new recommendations for hepatitis C and health care workers

he Centers for Disease Control and Prevention (CDC) recently released recommendations for the follow-up of health-care workers after occupational exposure to hepatitis C virus (HCV) (1). Occupational exposure to HCV is a concern for emergency medical technicians (EMTs) and paramedics who come in contact with blood in the course of their work duties. This article reviews the epidemiologic and clinical aspects of HCV and the types of follow-up that should be done if an employee has an occupational exposure to HCV.

Hepatitis C is caused by an RNA virus that was previously classified as one of the non-A, non-B hepatitis agents (2). This virus causes infection and inflammation of the liver. Transmission is primarily through the parenteral (piercing into or under skin or mucous membranes) route, although sexual and perinatal (mother to fetus) transmission can occur. Parenteral transmission can occur from transfusions or transplants from infected donors (rare now because of testing and screening for this virus); injecting drug users sharing contaminated needles; hemodialysis; and accidental injuries with needles and sharps. In studies of healthcare workers, approximately 3.5 percent (range of zero to 7 percent) of workers who sustained percutaneous exposures to blood from HCV-infected patients

developed hepatitis C infections (3). Transmission of HCV by a blood splash to the conjunctiva was recently documented in a sheriff after he intervened during a fight between two inmates, one of whom was bleeding and infected with HCV (4).

The incubation period (time between exposure and onset of the infection) for HCV is six to seven weeks with a range of two to 26 weeks. HCV infection is diagnosed by detecting anti-HCV antibodies in the blood. No tests, however, are currently available to distinguish an acute infection from a chronic or past infection. About 30 to 40 percent of persons with acute HCV infections develop symptomatic illnesses and 20 to 30 percent have jaundice (yellowing of the eyes and skin). At least 85 percent of persons with acute infections will develop persistent infections and 70 percent will develop chronic liver disease. Persons with HCV are at increased risk for cirrhosis and primary hepatocellular carcinoma. No vaccine is available to prevent HCV. The CDC also does not recommend immune globulin because it does not prevent HCV infection.

The CDC, in collaboration with the Hospital Infection Control Practices Advisory Committee, recommends the following policies for follow-up after occupational percutaneous or permu-

(Continued on page 33)

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EMS Awards honors Emergency Medical leaders with 1997



TDH Services Awards exas Department of Health announced its annual emergency medical services awards on November 25 at the 12th annual Texas EMS Conference in Austin. The awards honor EMS leaders in 11 categories.

EMS Educator Award - posthumously to Mark M. Reger, Hondo, for ensuring quality education in rural communities. In 1989, Reger was instrumental in establishing an associate degree in paramedicine at Victoria College and was a founding member of the Texas Region #8 BTLS Association. Reger died earlier this year.

EMS Medical Director Award - James Potyka, MD, for work as medical director of San Antonio AirLife and Baptist Health System Emergency Departments. Presently the medical director for San Antonio AirLife and Baptist Health System Emergency Departments, Potyka was also the medical director of SAFES EMS in Schertz from 1982 to 1993. Potyka is actively involved in training and the quality review process, demonstrating his continued commitment to quality assurance in EMS.

EMS Administrator Award - John
Sneed, EMT-P, director of Williamson
County EMS, for leadership in quality prehospital patient care and community-wide
emergency response. As EMS administrator
for one of Texas' fastest growing counties,
Sneed has been instrumental in doubling the
size of Williamson County EMS over the last
five years. Sneed led the emergency personnel response to the May 28 tornadoes that hit
Jarrell and Cedar Park.

John Sneed, EMT-P, of Williamson County EMS was honored as Texas EMS Administrator of the Year for his role in coordinating relief efforts after the Jarrell/Cedar Park tornadoes last May. Williamson County is the fastest growing county in Texas. From left, Gene Weatherall, chief, Bureau of Emergency Management; John Sneed; Ready Teddy; and Texas Health Commissioner William R. Archer III, MD.



DEPARTMENT

DEPARTMENT OF HEALTH Honorary Paramedic n R. Archev III, MD NT OF HEALTH EMS Citizen Award ioodspeed, Bl., MSC, USX PARTMENT OF HEALTH xas EMS Volunteer Provider Award v Juiona Ambulance Ser DEPARIMENT OF HEALTH as EMS Medical Director Award



Corpus Christi Fire Department/EMS took Public Provider of the Year. The service, which includes 163 paramedics, has a response time of just under five minutes for ALS first response.

EMS Public Information Award - Central Texas Trauma Council, Temple, for educational programs across a seven-county area. The Central Texas Trauma Council offers educational programs for prehospital providers, hospital healthcare providers, first responders, physicians, law enforcement, children and the general public.

EMS Citizen Award - Lieutenant
Darwin G. Goodspeed, for his research
in trauma systems funding that led to
the passage of Senate Bill 102. While
serving as an Administrative Resident to
the Greater San Antonio Hospital
Council, Goodspeed researched methods of permanent funding for trauma
systems and drafted a proposal for
legislative funding of trauma systems in
Texas. Goodspeed's efforts were rewarded in the passing of Senate Bill 102,
which set up methods of trauma system
funding for the first time in Texas.

EMS Private Provider Award -LifeNet Medical Transportation System, Texarkana, for providing caring and compassionate prehospital care to citizens in Texas, Oklahoma, Arkansas and Louisiana. LifeNet provides advanced life support EMS service for two Texas counties and one Arkansas county, while providing air medical service to parts of Texas, Oklahoma, Arkansas and Louisiana. The service also provides community programs such as Operation Prom Night and Think Child Safety to decrease the number of injuries and fatalities in its area.

EMS Public Provider Award - City of Corpus Christi Fire Department, EMS Division, Corpus Christi, for making continuous educational improvements in order to deliver quality prehospital care. The Corpus Christi Fire Department, EMS Division provides EMS training to incoming cadets to insure that all members are trained to the paramedic level. Since Corpus Christi Fire Department is the sole provider of prehospital emerger cy care in Corpus Christi and responds to much of the surrounding Nueces County, each engine carries ALS supplies and equipment and is staffed by a paramedic.

EMS Volunteer Provider Award -City of Friona Ambulance Service, Friona, for providing excellent service to its residents. Since 1995, Friona Ambulance Service has doubled the number of volunteers and increased the level of care by providing Basic Trauma Life Support, Advanced Cardiac Life Support and Pediatric Advanced Life Support training. The service has also begun to promote EMS awareness with weekly newspaper reports, CPR training, and injury prevention education. The volunteers also conduct non-emergency visits to area nursing homes to acquaint themselves with the residents.

EMS First Responder Award - Salado Fire Department, Salado, for leadership in EMS training and community awareness. Salado Fire Department has begun a new program, known as the "Junior Firefighters Group," to train and recruit volunteers. This program is open to all high school seniors over age 17. Salado Fire Department also teaches DWI awareness, CPR, fire prevention and EMS awareness within their community.

EMS Air Medical Service Award - Scott & White Medivac 1, Temple, for

leadership in providing air medical services to their communities. Medivac 1 delivers quick access to advanced levels of medical care for critically ill or injured patients in 13 central Texas counties. The crew includes a pilot and a medical crew, consisting of a registered nurse and a paramedic, specially-trained in trauma, cardiac, pediatric, obstetrical, burn care and advanced life support. Having a registered nurse in the crew allows Medivac 1 to deliver blood to patients while in flight.

Outstanding Regional Advisory
Council Award - Trauma Service Area
- A Regional Advisory Council, Amarillo, for submitting a complete regional EMS/Trauma plan and extensively promoting Senate Bill 102. In addition, this RAC has distributed more than 2,200 bicycle helmets and participated in a letter writing campaign supporting state bicycle helmet legislation.



(Continued from page 29) The C Report CDC releases new recommendations for hepatitis C and health care workers

cosal exposure to HCV (1):

- baseline testing of the source for antibody to HCV, if the HCV-status of the source is unknown;
- baseline and follow-up (e.g., six months) testing for anti-HCV and alanine transferase (ALT) activity (liver function test) for the exposed person;
- all anti-HCV antibody results reported as repeatedly reactive by enzyme immunoassay (EIA) should be confirmed by supplemental anti-HCV antibody testing.

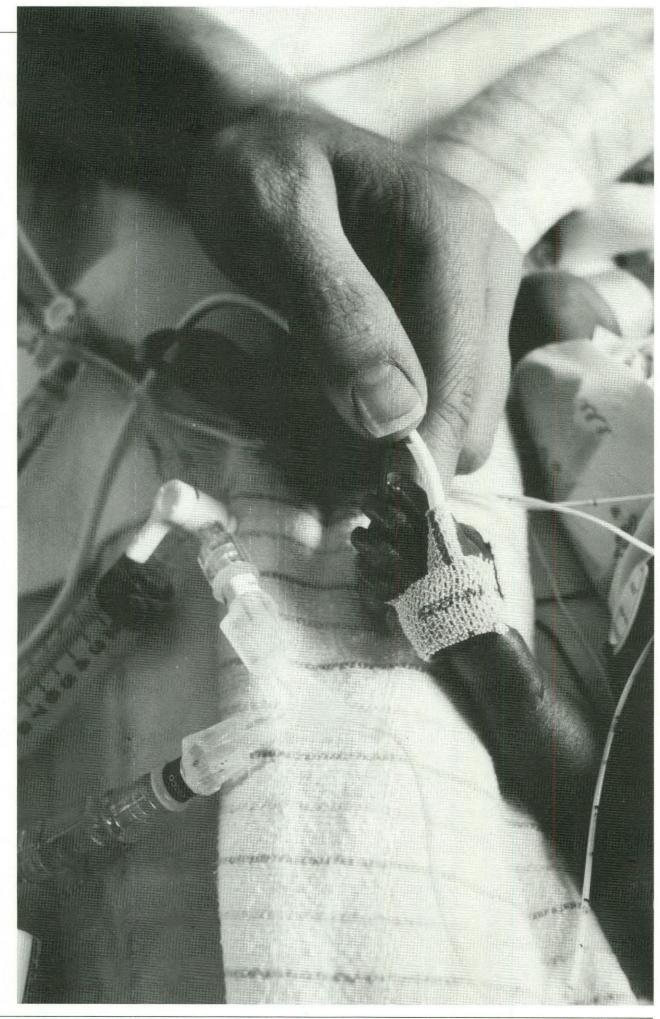
In addition, it is important that all EMTs and paramedics receive education about the risk for and prevention of bloodborne infections, including hepatitis C, in occupational settings. They should consider all patients' blood and body secretions to be infectious and use appropriate personal protective equip-

ment and barrier techniques accordingly (5). Prehospital care providers should wash their hands as soon as possible after arriving at the receiving health care facility. Waterless "handwashing" antiseptic products such as liquids, gels, wipes and foams can be used in the field when handwashing facilities are inaccessible. Any percutaneous or permucosal exposures to blood or other potentially infectious materials should be reported to the receiving facility as well as the employer of the prehospital care worker.

In summary, exposure to HCV is a concern to any paramedic or EMT who comes into contact with blood in his or her course of duties. Strict adherence to standard precautions when handling patients and appropriate follow-up are needed to prevent and manage these bloodborne exposures.

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By Dan Edwards, EMT-P

ILLUSTRATION PHOTO BY FERNANDO SERNA



Special delivery

Labor and delivery care of the neonate

he call: MICU #32 responds to the scene of an abdominal pain, arriving at an apartment complex with firefighters/first responders only seconds ahead. A woman at the top of the stairs shouts down to the firefighter that the baby is coming now. The medics add pedi and OB kits to their carry-in bags. As they climb the stairs, a firefighter advises that the patient is crowning.

On entry to the dimly-lit apartment, the medics see an approximately 90kg female in a hands and knees position with her head resting on the couch. A firefighter is supporting the delivered head of the infant at the external os of the birth canal while telling the mother to push:

One of the medics assumes care of the neonate while the other takes charge of the mother and delegation of equipment setup. The medic attending the infant removes a bulb syringe from the OB kit and suctions the oropharynx first, then the nares. He checks for the presence of a loop of umbilical cord wrapped around the infant's neck as the unresponsive infant's head lies limp in his gloved hand.

During the next two contractions the infant turns to a normal shoulder anteroposterior position and the medic applies gentle upward pressure to the head and neck to help pass the shoulders. The mother is not able to push the infant any further, so the medic gently guides the baby's head downward. The anterior shoulder slips through the birth canal, and then while gently guiding upward, the posterior shoulder delivers. The rest of the body follows easily and the infant is laid on a receiving wrap and dried.

The airways are suctioned again, the cord is clamped in two places and cut between the clamps. With light tactile stimuli the infant starts taking

Objective

After reading this article, the reader should acquire knowledge in the application of labor and delivery assessment, management, and treatment.



her first breaths of air. As she is wrapped in a blanket, she begins to cry weakly and move her extremities. The time of birth is recorded along with the one minute Apgar score of eight as the baby is placed on oxygen.

The first medic hands the infant to the second medic as they exchange roles in expectation of the third stage of labor. The perineum and vaginal mucosa are examined for lacerations, then the mother is placed in a position of comfort. Oxygen is administered, and an IV of Lactated Ringer's is established as preparations to transport are made. A five-minute Apgar score of 10 is recorded, and both patients are moved to the MICU without incident.

When the baby is reassessed, a slight leak of blood past the umbilical clamp is found. A second clamp is applied proximal to the first. The mother has no further contractions to deliver the placenta and is not hemorrhaging. Her vital signs remain within normal limits, and her demeanor is relaxed. The baby appears normal and is in no distress. Transport is non-emergent. At the hospital, both patients are in stable condition.

Introduction

In 19th century cemeteries, you find numerous headstones of mothers and children who died during labor and delivery. The complications that caused the deaths of these individuals have, for the most part, been successfully controlled by modern medicine.

Even with modern medicine, nature frequently takes its own course and patients will progress rapidly to a prehospital delivery. Most of these deliveries are routine, a normal function that poses little risk to mother and child. But the prehospital provid-

er must be able to deal with critical complications.

Normal Presentation

Preparation of the cervix usually begins several hours to several days prior to the onset of actual labor, with contractions that are irregular in force, duration and interval. They are often accompanied by a "bloody show," a discharge of the mucous plug that has protected the uterus from infection during gestation. This latent phase of labor serves to efface (soften and thin) and dilate the cervix. The fetal cranium begins to mold as it presses against the dilating cervix.

Within 24 hours of onset of labor, there is a possibility of the membranes rupturing. Often this will induce labor, or if labor has already begun, labor will become more active. If a watery discharge is reported, the introitus should be visualized to rule out overt prolapse of the umbilical cord. Meconium (brown or green) staining of the amniotic fluid can indicate fetal distress.

Abnormalities in fetal heart rate can also indicate distress. The fetal heart beat can usually be auscultated in the LLQ at midclavicular line. As effacement and dilation become complete, the contractions become regular and increase in force and duration. The mother feels pressure, as if she needs to have a bowel movement.

As the fetal head starts into the cervix, the active phase of labor begins. The mother will need to push with the contractions to pass the baby through the birth canal. If the mother pushes too early, it may lacerate the cervix or waste her energy.

When crowning occurs, one hand should be placed on the head to slow its progress to allow the introitus to dilate. Drape a towel over the other



hand and place the cupped fingers over the perineum at the brow and chin of the infant. Applying gentle pressure on the brow will help advance the face over the perineum slowly to reduce perineal laceration. When the head is delivered, the mouth should be suctioned first, then the nares. A finger is slipped along the baby's neck to the shoulder to feel for an umbilical cord; if the cord is felt, hook it with the finger and pull it over the baby's head. If it is too tight or wrapped twice, double clamp and cut the cord.

With the head delivered, the body will usually turn in a shoulder anteroposterior position. Gently turning the infant's head will help to gain this alignment. The infant's head should be gently pushed down (posteriorly toward the mother's perineum) to pass the anterior shoulder under the symphysis pubis; then gentle lifting will pass the posterior shoulder through the birth canal. Allowing the posterior shoulder to pop out suddenly may tear the perineum.

With delivery complete, the airways are suctioned again and the cord is double clamped and cut. If the baby is breathing there is no hurry to cut the cord. The newborn should be placed near the level of the uterus to avoid over- or under-transfusion of blood from the placenta while clamping the cord. Over-transfusion is thought to result in polycythemia, and loss of blood to the placenta may cause anemia in the infant.

The infant's need for air, stimulation from gentle handling and temperature change will stimulate the infant's breathing. The baby should be dried and wrapped in a blanket to prevent heat loss. Apgar scores and time of birth should be recorded.

The last stage of labor is delivery

of the placenta. The placenta usually delivers on the first or second contraction after birth of the baby. A gush of up to 500 ml of blood from the separating placenta is normal. After the placenta delivers, gentle massage of the fundus of the uterus (just below the maternal umbilicus) will help stimulate the uterus to continue contracting to stop hemorrhage. Failure of the uterus to continue contracting is the most frequent cause of postpartum hemorrhage. Frequent checks for hemorrhage are required.

The baby may be allowed to breastfeed to stimulate the release of oxytocin, a pituitary hormone that promotes uterine contraction.

Abnormal Presentations

The most common abnormal presentation is a face-up or occipitoposterior presentation. Since the main complication of a "sunny side up" presentation is prolonged labor, it is unlikely to be encountered out of hospital. If the delivery proceeds quickly, there will be no adverse complications.

The second most abnormal presentation is a breech delivery. Breech delivery may be frank with the buttocks crowning, the hips flexed and the legs extended, or complete breech with the hips and knees flexed so that the buttocks and feet present. Also one or both legs may be extended as the presenting part. The complication encountered with a breech delivery is that the soft lower body molds to fit through the cervix, but the cranium has had no chance to mold. As the head contacts the cervix it compresses the umbilical cord resulting in anoxia. Too much traction on the infant can result in cervical damage. As much as possible, allow a spontaneous delivery to take place. By having the mother

ing 1995, a person under the age of 20 died in a traffic crash an average of once an hour during the weekend and once every two hours on weekdays. —National Highway Traffic Safety Administration



push hard while applying gentle downward pressure on the body of the infant, the head should start through the cervix. When the shoulders deliver, the baby is held slightly upward by his feet so that the head delivers facing the perineum. A finger may be placed in the infant's mouth to help gently ease the chin and brow over the perineum.

A prolapsed cord, where the cord appears at the vaginal opening before the infant's head does, places the fetus at high risk for anoxia. A prolapsed cord may be hidden with only a small loop trapped in the cervix by the presenting part. Or it may be overt with a long loop extending into the vagina. Rupture of the membrane prior to the head engaging the cervix is the most common cause. Breech presentations are also at high risk of cord prolapse. The woman with a ruptured membrane should not be allowed to walk until a vaginal exam has been done. In the event of an overt prolapsed cord, the woman should be placed in a hands and knee position, or supine with legs and hips elevated to reduce fetal pressure on the cervix. A sterile, gloved hand should be placed in the vagina to hold the presenting part off the cord. Transport in this position. If the cord is limp and pulseless, the effort is probably too late.

Twins are usually small and premature due to the overstretched uterus being stimulated into early labor. They are often in abnormal positions that complicate delivery, and delivery of the first twin causes the uterus to contract, frequently shearing the second twin's placenta. Morbidity and mortality rates are higher for the second twin due to placental abruption. If twins are expected, transport while delivering the first one.

Shoulder dystocia is a very unusual presentation in which the anterior shoulder is not able to pass the symphysis pubis. As the head delivers, it is pulled tightly back against the vulva, keeping the mouth closed, and pressure on the infant's chest prevents respirations. Within four to five minutes, oxygen deficit will occur. First attempt to have an assistant place firm suprapubic pressure on the impinged shoulder; then apply fundal pressure to disengage the shoulder. The mother should be in knee-chest position to straighten the birth canal. If this fails to disengage the shoulder, a hand is placed inside the posterior vagina until the posterior shoulder is felt. Turning the infant in either direction should free the shoulder. EMS personel must be trained and authorized by their medical director to perform this maneuver.

If both of these maneuvers fail, the posterior shoulder is pushed back into the uterus until the arm can be pulled out of the vagina and used like a crank to turn the shoulders. When all attempts fail, a cesarean section will need to be done. On recognition of a shoulder dystocia, the disengagement maneuvers should be done during transport.

Care of the Neonate

In an uncomplicated delivery, the first care given to the neonate is airway clearance. One of the most developed CNS responses to external stimuli is the sucking reflex. This sucking reflex causes the infant to breathe through the nose. Since oral stimulus may initiate a sucking reflex and nasal stimulus may initiate respiratory effort, the oropharynx should be suctioned first, taking care to stay at the sides of the mouth. Deep central suctioning may elicit a gag reflex.

versal bicycle helmet use by children ages 4 to 15 would prevent 39,000 to 45,000 head injuries, and 18,000 to 55,000 scalp and face injuries annually. — National Highway Traffic Safety Administration



Suctioning of any meconium is very important prior to the first inspiration of air.

As the head is delivered, turn it in the direction of least resistance to position the shoulders anterioposteriorly. Suction the oropharynx, then the nares, to remove mucus and amniotic fluid. Vaginal pressure compresses the thorax restricting inspiration. As soon as the torso is delivered, the thorax expands mechanically, inspiring the first small breath of air. With delivery complete, repeat suctioning and follow procedures for cord cutting, drying and warming.

The first respiratory efforts will be labored due to atelectasis. Each breath will expand more alveoli and within minutes full volume should be reached. Infant respirations are diaphragmatic at a rate of 30 to 50. Retractions, grunting or abnormal rates may indicate respiratory distress. Irregular respirations with apneic periods lasting up to ten seconds are normal as the CNS adapts to the changing chemical stimuli of carbon dioxide and oxygen. The lungs should be auscultated at the midaxillary line because the small thorax transmits sound, making it difficult to distinguish one lung from the other. Some slight sounds are normal due to amniotic fluid that will be absorbed by the lymphatic system.

Cardiovascular assessment proceeds with palpation of the brachial pulse and auscultation of apical heart rate, noting resolution of central and peripheral cyanosis. Resuscitation equipment should be on hand.

An Apgar score, a scale to assess an infant's condition, should be done 60 seconds after birth and again at five minutes (see box on page 40). Although the maximum score is ten, rarely does a neonate score more than eight on initial assessment. A score of less than seven indicates an intervention of oxygen and stimulus, along with constant monitoring. At five minutes, a score of nine or ten indicates the infant has made a successful transition from the womb.

Adequate heart rate and ventilatory status in the neonate who retains central cyanosis indicates a failure of the foramen ovale and/or ductus aeteiosus to begin closure. Supplemental oxygen should be given.

Apgar scores less than five will require resuscitation. Medications will not be needed for the majority of those requiring resuscitation. Intubation facilitates oxygenation and resolves hypoxia, which is the major cause of cardiac arrest. Assisted ventilations should be delivered with low pressure and volume to prevent rupture of the lungs.

If thick meconium is present, the trachea should be intubated and suctioned repeatedly until meconium no longer returns. The infant's respirations should not be stimulated until the lower airway is completely cleared of meconium. Suction should be applied directly to the ET tube rather than using an endotracheal suction catheter. The pharynx should also be suctioned visually.

Premature infants should be considered high risk, and the umbilical cord should be clamped and cut quickly to increase access for resuscitation. Premature infants have a large surface-to-volume ratio and lose heat rapidly. The thermoregulatory center is incapable of adapting to temperature changes, and body fat is insufficient to maintain body temperature. The infant must be dried, kept warm and monitored for respiratory distress. The lungs may not be mature enough to produce the surfactant that



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Multiple contributors

Foundations of Maternal Newborn Nursing

T.M. Gorrie E.S. Stone S.S. Murray

Emergency Medicine A Comprehensive Study Guide American College of Emergency Physicians is needed to keep the alveoli from collapsing on expiration. The premature infant should be transported to a facility with a neonatal intensive care unit.

The infant born to a drug-dependent mother may require aggressive resuscitation attempts with ACLS.

Care of the Mother

Patients in labor should be given high-concentration oxygen to maximize oxygen delivery to the fetus. After the secondary exam is completed, a large bore IV of Lactated Ringer's is indicated to facilitate fluid administration. LR should be given at 100 to 200 ml/hr as a maintenance infusion for exertion and anticipated blood loss.

Perineal lacerations are treated with bandages and direct pressure. Do not pack the vagina. When laceration bleeding stops, place a clean bandage over the original bandage and dressing to reassess for postpartum hemorrhaging. Frequent checks for postpartum hemorrhage are needed.

A Pitocin (oxytocin) drip should be considered if postpartum hemorrhage continues. A drip is preferable over intramuscular injection. Ten units of Pitocin should be mixed in 1000ml of Lactated Ringer's and run at a rate necessary to sustain uterine contraction. Two to four ml/min is the recommended initial rate. Since the adverse effects of Pitocin include hypertension and dysrhythmias, the patient's blood pressure and ECG should be monitored.

Do not attempt to deliver the placenta by pulling on the umbilical cord. If the placenta delivers spontaneously, transport it to the hospital so it can be examined for completeness. Placental fragments left in the uterus can cause hemorrhage and infection.

Finally, be gentle with mom. She's tired and sore.

Conclusion

During labor and delivery it is important to remember that you have two patients who need careful and appropriate care to make the birthing experience a positive event. The role of the EMS professional changes in this

situation from the person who begins the repair process after trauma to the one who minimizes trauma as it is happening. Birthing can be accomplished with a minimum of skills and equipment by being confident and emotionally supportive. Confidence is based on knowledge, and emotional support is based on a genuine concern for the well-being of your patients.

	APGAR SCALE							
INDICATOR	DESCRIPTION	VALUE	1 MINUTES	5 MINUTES				
Heart Rate	>100 <100 Absent	2 1 0						
Respiratory Effort	strong cry weak cry Absent	2 1 0						
Muscle Tone	Active motion Some flexion Flaccid	2 1 0						
Reflex	Vigorous cry Some motion No response	2 1 0						
Color	Fully pink Body: pink/ Ext: blue Blue; pale	2 1 0						
		TOTAL SCORE						

Paramedic Dan Edwards works for MedStar in Tarrant County.

1.5 hours of CE/Special Patients



- 1. Contractions in the first stage of labor:
 - a. push the fetus into the cervix.
 - b. efface and dilate the cervix.
 - c. position the fetus for delivery.
 - d. separate the placenta from the uterus.
- 2. Watery fluid leaking from the vagina is an indication:
 - a, that the umbilical cord has prolapsed.
 - b. of fetal distress.
 - c. the membrane has ruptured.
 - d. contractions have started.
- 3. Active labor begins:
 - a. with rupture of the membrane.
 - b. with crowning.
 - c. as the fetus enters the cervical opening.
 - d. prior to effacement.
- 4. Retarding delivery of the head:
 - a. gives the mother a chance to rest.
 - b. reduces the chance of a nuchal cord.
 - c. reduces tearing of the perineum.
 - d. compresses the infant's thorax.
- 5. With placental separation from the uterus, up to _____ blood loss is normal.
 - a. 500ml
 - b. 1000ml
 - c. 250ml
 - d. 100ml

- 6. After the third stage of labor, uterine contractions:
 - a. deliver the placenta.
 - b. stop hemorrhage from the uterus.
 - c. dilate the cervix.
 - d. contract the cervix.
- 7. Pitocin is a:
 - a. pituitary hormone that contracts the uterus.
 - b. breast hormone that contracts the uterus.
 - c. only available as injection.
 - d. pituitary hormone that relaxes the uterus.
- 8. In a frank breech delivery:
 - a. the feet present first.
 - b. the feet present with the buttocks.
 - c. the buttocks present first.
 - d. the buttocks cannot pass the cervix.
- 9. Breech deliveries may be complicated by:
 - a. maternal contractions.
 - b. shoulder presentations.
 - c. failure of the cranium to mold through the cervix.
 - d. excessive dilation of the cervix.
- 10. Breech deliveries have a high incidence of:
 - a. maternal hemorrhage.
 - b. prolapsed cord.
 - c. congenital deformities.
 - d. abruption placenta.



11. A prolapsed cord:

- a. is always extruding from the vagina
- b. is treated as a normal delivery.
- c. may cause anoxia in the fetus.
- d. should be cut and clamped.
- 12. If the water breaks prior to fetal/cervical engagement:
 - a. contractions will start.
 - b. the placenta may abrupt.
 - c. delivery is imminent.
 - d. the cord may prolapse.
- 13. A patient with a prolapsed cord:
 - a. should be ambulated to stimulate contractions.
 - b. should be transferred in a position of comfort.
 - c. should be transferred in a hands and knees or Trendelenburg position.
 - d. should not have manual manipulation of the fetus.
- 14. Shoulder dystocia:
 - a. is a common occurrence.
 - b. poses no threat to the infant.
 - c. requires intervention within 4-6 minutes to prevent anoxia.
 - d. cannot be disengaged by prehospital personnel.
- 15. The sucking reflex predisposes the infant to:
 - a. obligatory mouth breathing.
 - b. obligatory nose breathing.
 - c. excessive gag reflex.
 - d. aspiration of amniotic fluid

- 16. Expansion of the infant's thorax on delivery of the torso:
 - a. clears the infant's airways.
 - b. promotes peripheral circulation.
 - c. increases lung compliance.
 - d. mechanizes the first inspiration of air.
- 17. The infant's lungs should be auscultated at the:
 - a. apex
 - b. midclavicular.
 - c. bases.
 - d. midaxillary.
- 18. The first respiratory efforts of a newborn will be labored due to:
 - a. atelectasis of alveoli.
 - b. weak thoracic muscles.
 - c. diaphragmatic respirations.
 - d. upper airway mucous.
- 19. The premature newborn umbilical cord should be cut and clamped quickly to:
 - a. avoid over-transfusion of blood from the placenta.
 - b. facilitate resuscitation efforts.
 - stimulate hypoxic respiratory drive.
 - d. decrease transfusion of blood to the placenta.
- 20. Surfactant produced by well developed lung tissue:
 - a. makes alveolar walls stick together.
 - b. produces mucous.
 - c. prevents alveoli from collapsing.
 - d. causes increased difficulty in breathing.

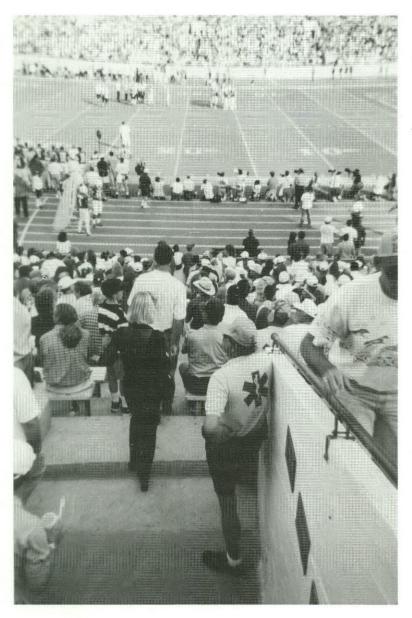
percent of fatal or injury crashes occur on roads with posted speed limits of 40 miles per hour or less.

—National Highway Traffic Safety Administration



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1. a.□ 2. a.□ 3. a.□ 4. a.□ 5. a.□ 6. a.□ 7. a.□	b.	c.	d.□ d.□ d.□ d.□ d.□ d.□ d.□ d.□ d.□	11. 12. 13. 14. 15. 16. 17.	a. □	b.		d.□ d.□ d.□ d.□ d.□ d.□ d.□

Fielding calls



ome medics extoll the virtues of street medicine. Others say wilderness EMS is the greatest. For a real challenge, try EMS in a college football stadium with 70,000+ fans of all ages, shapes and health problems packed into a four-block oval for three to four hours on a hot Saturday afternoon. This is already a prescription for multiple heat problems and when some fans disregard the rules (and common sense) by partaking of spirits before or during the game, the action in the stands can get busier than the action on the field.

At any given home game at the University of Texas at Austin, there are approximately 30 two-person EMS teams (seven ALS, 23 BLS), two paramedics who each cover one side of the stadium, three doctors, three two-man stretcher teams, and four first aid stations staffed by nurses providing care to those who become sick or injured while at the stadium. All operate under the watchful eyes of medical director John Blewett, MD, president, Capital Emergency Physicians and medical director of Columbia St. David's Hospital emergency department; and UT EMS founding coordinators

Two medics survey the University of Texas home game crowd of 70,000, ready to answer a call for help.

Thousands of screaming fans make life interesting for football medics



Pat and Hareld Crutsinger, founding coordinators of UT EMS, watch the crowd from an aid station.

Pat and Harold Crutsinger.

Working a football game is not unlike doing a confined space rescue in a open street market. While you have lots of open room around you and the patient, every available inch of that space is taken up with warm bodies, who may or may not appreciate the fact that they may miss seeing a touchdown run because you're reviving the person sitting next to them. And it never fails, when the patient feels faint, he lays down between the rows of bleachers, providing very tight access.

During the early season, most of the calls involve heat-related problems. However, medical and trauma calls that aren't heat-related abound, with trauma (falls), cardiac and diabetic emergencies topping the list. During the really cold game days, problems with exposure come into play. Fortunately, we don't have that many really cold game days in Central Texas!

Like street medicine, there are occasional problems...radio traffic so heavy you can't get a word in, radios that don't work, dispatcher radios that can't reach the upper deck, aid stations closed off because they are overflowing and too many calls at once. But the rewards of helping those in need are just as fulfilling as they are on the street. Plus, if you're lucky, you get to see most of the game.

When he's not at UT football games, EMT Barry Sharp works in TDH's Adult Health and coordinates the agency's first responder team. Look for Sharp's byline in a series of wellness articles in upcoming issues.



Texas EMS Hall of Fame

What is the Texas EMS Hall of Fame?

he purpose of the Texas EMS Hall of Fame is to recognize individuals who have made a significant and dramatic contribution to EMS in Texas during their careers. This award is presented during Texas EMS Conference, sponsored by the Texas Department of Health and Texas Health Foundation. This award may be presented annually, but does not have to be presented annually. Individuals selected for this honor have earned an esteemed place in the history of EMS in the state of Texas. They are recognized by the Texas Department of Health in a permanent display located at TDH's Bureau of Emergency Management offices. This honor is intended to remain a permanent part of the history of Texas EMS.

How is someone nominated?

Nominations are open to anyone residing in Texas. These nominations should be mailed to the Bureau of Emergency Management no later than June 1 of each calendar year. Only written nominations that follow this outlined and published form will be accepted. Any nomination received after June 1 of any particular year will automatically be considered for induction during the next calendar year. Nominations for the Texas EMS Hall of Fame should contain the following components:

- 1. An historical perspective of the EMS work history of the individual as related to statewide EMS.
- 2. A list of results achieved by this individual as relates to statewide EMS.
- 3. The short-term and long-term benefits to Texas EMS as a result of the direct effort of the individual being nominated.
- 4. A description of how this individual's contribution to Texas EMS was above and beyond the ordinary job that would have been performed by the majority of individuals had they been in a similar position.

5. A resume or vita for additional background information. Nominations must contain the above five items in an explicit and detailed manner. Ten copies of the nomination should be mailed to 1100 West 49th Street, Austin 78756, postmarked no later than June 1, to be considered for induction during the calendar year. Nominations that do not meet these requirements will be returned to the individual from which they were received with a brief description of the deficiencies.

Copies of the nominations will be distributed to the following:

- All living members of the Texas EMS Hall of Fame.
- The chief of the Bureau of Emergency Management.
- The current chairperson of the Emergency Health Care Advisory Committee.
- The Commissioner of the Texas Department of Health.

The individuals identified above shall constitute the voting members of the Texas EMS Hall of Fame Selection Committee. A "no" vote by any member of the committee shall result in elimination of that particular nomination for that year. To be voted into the Texas EMS Hall of Fame, an individual must receive a "yes" vote by all members of the selection committee. Votes should be returned to the chief of the Bureau of Emergency Management no later than August 15 of the year in which they were received.

The chief of the Bureau of Emergency Management will only be responsible for notification of the disposition of the nomination to the individual from whom the nomination was received. The only response reported will be "yes" or "no." At no time shall the chief of the Bureau of Emergency Management reveal anything other than a positive or negative response, with all other information to be considered confidential information. This confidential information shall include the votes of the individual members of the selection committee as well as any and all information that was discussed among the members.

HALL OF FAME MEMBERS AND YEAR OF INDUCTION: CHARLES E. KING, 1987; CARL B. YOUNG, JR., 1988; LIN VICKERS, 1989; L.O. "WHITEY" MARTIN, 1991; BABE AYCOCK, 1994; JACK PEACOCK, MD, 1994; AND JAMES ATKINS, MD, 1996. THIS DISPLAY IS PERMANENTLY LOCATED AT THE MAIN OFFICE OF THE BUREAU OF EMERGENCY MANAGEMENT.

Did you read...

95-year-old Mabel
McCullough's
birthday party
brought five fire
engines, two ladder
companies and 24
firefighters when
she blew out all 95
candles on her
birthday cake. The
smoke from blowing
out the candles
triggered a fire
alarm.

Overdoses of acetaminophen, the active ingredient in Tylenol and many other pain and cold medications, can cause severe or even fatal liver failure, according to a study released in the New England Journal of Medicine.

panies and 24 firefighters came to 95-year-old Mabel McCullough's birthday party at the First United Methodist Church in Tulsa, Oklahoma. Why? After she blew out all 95 candles on her birthday cake, the smoke from blowing out the candles triggered a fire alarm. While firefighters did not stay for cake, they did pose for pictures with McCullough.

From CNN Interactive, "Firefighters report for birthday candle blowout," http://www.cnn.com, October 11, 1997.

study suggests that "burning the midnight oil" may actually cause your brain to process information more slowly. Circadian rhythms, or the body's internal clock, influence the body's need for sleep, and fighting that need can slow thought processes and reaction times at night, and even when the individual is completely awake during the following day. Researchers consider the main implications of this study to affect those who operate dangerous machinery at night and those who work at night, such as those in hospitals or emergency departments. These people are often asked to make decisions that require the brain to rapidly process information.

From TDH EMS Mailing List, September 22, 1997.

The misconception that infant bathtub seats are infant safety equipment has been cited as a contributing factor to the increased number of infant drownings in the home. According to a Consumer Product Safety Commission report, use of the bathtub seats has been linked to bathtub drownings because the seat increases the likelihood that the baby will be left unattended in the tub. In

more than 90 percent of the infant drownings associated with the bathtub seat, the child was momentarily left alone while the caregiver answered a telephone, got a diaper or checked on a crying child.

From TDH's News Clips, San Antonio Express News, "Babies' bathtub seats linked to drownings," October 17, 1997.

verdoses of acetaminophen, the active ingredient in Tylenol and many other pain and cold medications, can cause severe or even fatal liver failure, according to a study released in the New England Journal of Medicine. The study also found that fasting and drinking alcohol made the drug more harmful. The study described 71 patients admitted to Parkland Hospital in Dallas for liver damage from acetaminophen. Of the 71 patients, 21 had accidentally taken too much medicine. The researchers, along with the manufacturer of Tylenol, noted that people should not take more than the recommended dosage of the drug, especially if they have more than three alcoholic beverages a day, and dosages given to children should be carefully monitored.

From TDH's News Clips, *Dallas Morning News*, "Tylenol ingredient linked to liver failure," by Sue Goetinck, October 16, 1997.

A new type of needle may make your next dental visit less painful. The Wand, a new computer-controlled needle, starts off with a drop of anesthetic to numb the needle site and then delivers the rest at a slow, regular pace, unlike present anesthetic shots that force the medicine into the tissue. The Wand can also numb a site as small as a single tooth, instead of half a patient's mouth. This innovation has been heralded by

both dentists and patients. While decreasing the patient's fear of needles and dental visits, the needle will decrease the time each dentist spends giving injections and caring for patients after the injection. The Wand was made widely available in October 1997.

From TDH's News Clips, Dallas Morning News, "New type of needle takes the ouch out of dental visits." October 17, 1997.

C cientists have identified genetic defects that can leave some people smelling like rotting fish. "Fish-odor syndrome," an uncommon disorder that generally appears shortly after birth, is caused by genetic defects that cripple the body's ability to produce the enzyme FMO3, which normally works within the liver to process a smelly protein called trimethylamine. TMA is produced by bacteria in the gut; when it goes unprocessed, it seeps out in a person's breath and perspiration. While scientists do not know how common the disorder is, references to fishy-smelling people have been found in ancient literature and even in Shakespeare's "The Tempest." The disorder can be partially treated with diet modifications and antibiotics.

From CNN Interactive, "Genetic defects make people smell like rotting fish," http://www.cnn.com, December 1, 1997.

lder women who took vitamin C supplements for at least 10 years were 77 percent less likely to develop early cataracts, reported a Boston research study. The study also reported that women who had taken vitamin C supplements had an 83 percent lower rate of moderate cataracts than women who had not taken supplements. Cataracts are a common part of aging; almost 50 percent of adults age 65 and older have at least one.

From TDH News Clips, Dallas Morn-

ing News, "Vitamin C may fight cataracts," by Sally Squires, October 22,

n extract from the leaves of the Ginkgo biloba tree might slow the mental decline in some people with Alzheimer's disease for at least six months, according to a study at the New York Institute for Medical Research. The study found that 29 percent of people who took gingko for six months did not decline on two tests that measure the severity of the illness. Just 13 percent of the volunteers in the placebo group showed similar scores. While the study was initially one year in length, the results from the last six months of the study were considered meaningless because about half of the gingko group and almost two-thirds of the placebo group dropped out of the study. The extract, known as gingko biloba extract, has been used in Chinese medicines for 5,000 years and the tree is commonly believed to have been growing in China during the age of the dinosaurs.

From TDH News Clips, USA Today, "Ginkgo extract stalls Alzheimer's effects, study suggests," by Steve Sternberg, October 22, 1997.

C perm counts of men around the I world have been declining for years. A total of 61 different studies were analyzed by the reproductive epidemiology section at the California Department of Health Services and showed a significant decline in sperm counts around the world. The National Institutes of Health said that data collected from 1938 to 1990 showed that sperm counts decreased 1.5 percent per year during that period.

From CNN Interactive, "Sperm counts falling around the world, experts say," http://www.cnn.com, November 24, 1997.

A new type of needle may make your next dental visit less painful. The Wand, a new computer-controlled needle, delivers the anesthetic at a slow, regular pace, unlike present anesthetic shots that force the medicine into the tissue.

A total of 61 different studies were analyzed by the reproductive epidemiology section at the California Department of Health Services and showed a significant decline in sperm counts around the world.

EHCAC recap

he Emergency Health Care
Advisory Committee (EHCAC)
met on November 24, 1997, at the
Austin Convention Center in conjunction with the Texas EMS Conference.
All committee members were present and there was an excellent audience turnout.

Associate Commissioner's Report

Ron Mansolo informed EHCAC that the rules to distribute the monies from the EMS and Trauma Care System Fund created by SB-102 were proposed for a 60-day comment period by the Texas Board of Health (BOH) at its November 21, 1997, meeting. A public hearing will be held sometime during the comment period. Mansolo advised the committee that there has been some controversy surrounding the proposed funding formula, which would distribute approximately 60 percent EMS allocation to rural counties and 20 percent each to frontier and urban counties. EHCAC voted to support the proposal and to send a letter and supporting documentation to the Board of Health. These proposed rules as well as the Level V

rules (see below) are located on the Bureau's homepage at http://www.tdh.state .tx.us/hcqs/ems/emshome.htm.

Bureau Chief's Report

Gene Weatherall informed the committee members that the rules to implement designation of Level V Trauma Facilities were also proposed by the Board of Health in November. The comment period for these rules is thirty days. There will be a public hearing, most likely in conjunction with the SB-102 rules hearing. Weatherall also reported that the Bureau has been awarded two federal grants (See EMS News, page 8). The CDC grant, in the amount of \$250,000, will help to continue implementation of the Texas EMS/trauma system. The EMS for Children grant, approximately \$65,000, will be used to continue development of a pediatric hospital categorization process. Four new people will be hired in the department as a result of these awards.

Review of Project Alpha

Pam West reviewed the Project Alpha proposal, which is a project to redefine EMS regulation in Texas.

Because there has been some controversy regarding this project, EHCAC voted to establish a task force to bring interested parties together to work on the various components of the proposal. For information on Project Alpha, see the Bureau's web site.

—Kathy Perkins

Emergency Health Care Advisory Committee

Allan Ray Helberg, EMT-P Texarkana, Texas

Leticia Anne Goodrich Amarillo, Texas

John W. Holtermann San Marcos, Texas

Ronald Clark Redus, DDS, MSD Amarillo, Texas

Lance Douglas Gutierrez, RN, CEN, EMT-P Tyler, Texas

R. Donovan Butter, DO San Antonio, TX

William Leo Moore, MD, FACEP Tyler, Texas

Gilbert Perez, RN, EMT-P Corpus Christi, Texas

> Ray Mason Midland, Texas

Gary D. Cheek, RN, EMT Clyde, Texas

> Joan E. Shook, MD, Houston, Texas

Jorie Diane Klein, RN Dallas, Texas

James Henry Duke, Jr., MD Houston, Texas

Next meeting dates

The next meeting of the Emergency Health Care Advisory Committee will be Friday, February 13, 1998, in Austin; subcommittee meetings will be February 12. No location has been set.

Two-year continuing education Emergency Suspensions

The following is a list of EMS personnel with certification expiration dates of 6/99 and 7/99, who have been emergency suspended for failure to comply with the two-year continuing education (CE) reporting requirement mandated in EMS Rule §157.38, Section k.

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

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

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

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

Texas Department of Health

Bureau of Emergency Management Emergency Medical Services Rule

§157.38, Section k

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

Corrections:

The suspension list for the November/ December issue should *not* have included:

ID# 19741 Laura Ellen Garis, Darrouzett ID# 65380 Kimberly Redus, Riveria

88157 40779	JAMES SEAN	ADAMS ADAMS	WACO HOUSTON	ECA EMT-I	1977 96567	ELLEN SEAN	BROMSTEAD BROOKS	PLANO KILGORE	EMT EMT	61903 85322	SARAH MICHAEL	DALEY JR	DALLAS HOUSTON	EMT EMT
81873	SUZANN	ADAMS	GUTHRIE	ECA	46762	MICHAEL	BROWN	LINDALE	EMT	80156	JENNIFER	DANFORD	GRAND PRAIRIE	EMT
72445 43294	CHRISTINA KIMBERLY	ADAMS ADAMS	LEAKEY LEAGUE CITY	ECA EMT-I	64411 37362	DARIN KRIS	BROWN BROWN	DALLAS FT STOCKTON	EMT EMT	75044 59453	TIFFANY	DANG DANIEL	HOUSTON SAN ANTONIO	ECA EMT
58254	GLENN	ADSHADE	CORP CHRISTI	EMT-I	89639	RODGER	BROWN	CLYDE	EMT	51342	RICHARD	DANIEL	ALLEN	EMT
94353 1631	JAVIER ROBERT	AGUILAR AKERSTROM	CANUTILLO CLUTE	EMT-I	7404 87101	DARREL RONALD	BRUMMETT BUCK	FORT WORTH BENBROOK	EMT-I EMT	59275 61379	LEROY CHRISTOPHEI	DANIELS JR	MT BELVIEU DICKINSON	EMT EMT
49577	WENDY	ALBERS	HIGH VILLAGE	EMT-P	79281	LETICIA	BUENROSTRO	PREMONT	EMT	85698	PEDRO	DAVILA JR	MC ALLEN	ECA
11160 77104	LINDA LINDA	ALEXANDER ALFARO	MCGREGOR PAMPA	EMT EMT	75397 74451	NOAH ROY	BUNKER BURKHALTER	WACO MIN WELLS	EMT ECA	88042 74475	DAWN DERRILL	DAVIS DAVIS	EL PASO LONGVIEW	EMT EMT
99523	SYED	ALI	STAFFORD	EMT	37635	MERRIE	BURNES	BAYTOWN	ECA	65088	SHERYL	DAVIS	LONGVIEW	EMT
57160 99016	PAMELA ALEJANDRA	ALLEN ALMODOVAR	LONGVIEW EL PASO	EMT EMT	96488 82887	MELINDA PAUL	BURNS BURNS	STREETMAN STREETMAN	ECA ECA	4989 53704	WILLIAM DOUGLAS	DAVIS DAVIS	LONGVIEW CHANNELVIEW	EMT EMT
35089 94865	LAURA ROSA	ALSTON ALVARADO	MARLIN EL PASO	EMT-P EMT	68259	SHERRY TINA	BUSBY	HAMILTON	ECA EMT	35971	PAUL JEREMY	DAVIS	MARSHALL	ECA
78887	BRENDA	AMADOR	PAMPA	EMT	69417 80949	JEFFREY	BYE BYROM	SKELLYTOWN JACKSONVILLE	EMT	85617 95287	ROBERT	DAY DAY JR	ABILENE MC CAMEY	EMT EMT
98352 59740	JACK ANGIE	AMBERSON ANDERSON	GATESVILLE WACO	ECA EMT	55987 88392	ROBERT EUGENE	CABRERA CALABRO JR	GALVESTON AUSTIN	EMT EMT	90517 45614	JAMES STEPHANIE	DE ARMOND DE FREES	DUMAS HOUSTON	EMT EMT
35663	JACK	ANDERSON	FREEPORT	ECA	98474	CARIN	CALDWELL	ARLINGTON	EMT	58971	DONALD	DEAN	LONGVIEW	EMT
97209 91707	JOEL ROSA	ANDERSON ANDERSON	SPRING HAMILTON	EMT ECA	100039 80765	HEATHER MITCHELL	CALLAWAY CALLIHAN	FRANKLIN TOMBALL	ECA ECA	69487 72006	SHANNON LUIS	DECLUE DELA TORRE JR	MOODY SAN BENITO	ECA EMT
81590	JOHN	ANDREWS	BIG SPRING	EMT	70641	BROOK	CAMP	ARLINGTON	EMT	70895	MIGUEL	DELACRUZ	EL PASO	EMT
73263 74542	MICHAEL ALBERT	ANDREWS APARICIO	NEDERLAND CORP CHRISTI	ECA EMT	69984 21669	TONYA STEVE	CANALES	SUNRAY WOODLANDS	EMT EMT	72414 53286	DAVID MARY	DELACRUZ DELAVAN	LAREDO CEDAR PARK	EMT EMT
13014 86970	JEANETTE MIMI	APPLEGATE APTHORP	MANVEL DALLAS	EMT EMT	59615 77713	THERESA CHASITY	CAREY CARLILE	PT OCONNOR AZLE	ECA EMT	72149 59075	SOPHIE HUMBERTO	DELBOSQUE DELGADO	GRANBURY EL PASO	EMT EMT
70892	JOSE	ARAUJO	SILVERTON	EMT	50621	WILLIAM	CARLTON	WICHITA FALLS	EMT	43979	SHIRLEY	DEMPSEY	HIGHS	EMT-I
68582 70799	JOSE MARC	ARMENDARIZ ARMENDARIZ	EL PASO HURST	EMT-I EMT	93808 78550	DAVID BREN	CARLYLE CARR	GRAFORD FAIRFIELD	ECA EMT	59787 58668	CHRISTIE	DENTON DEPALO	BERTRAM AZLE	ECA EMT
100180	KIMBERLY	ARNOLD	POTTSBORO	EMT	78134	ELISABETH	CARREON	AUSTIN	EMT	93660	RENE	DEWINNE JR	MACDONA	ECA
59299 86497	DONNA RICHARD	ASHMORE AUTRY	FORT WORTH ROWLETT	ECA ECA	76670 93386	JASON STELLA	CARSTEN	TYLER DICKENS	EMT ECA	1629 23340	CHARLES	DEWOLF DIAMOND	EL PASO HOUSTON	EMT-I EMT
76060 93914	ARIES DARREL	AVILA BAGLEY	FT STOCKTON ANGLETON	EMT ECA	52268 38072	BARBARA KENNETH	CARUTHERS CARVER	PASADENA SMITHVILLE	EMT ECA	77380 97761	SERGIO STEVETTA	DIAZ DICKERSON	ALAMO DYESS AFB	ECA EMT
76637	DEDRAH	BAILEY	GILMER	EMT	78966	DINA	CARWILE	HUGHES SPGS	ECA	59851	MARK	DICKSON	IRVING	EMT
90047 59034	FAYE JOSEPH	BAILEY	HOUSTON HOWE	EMT EMT	55627 93460	REBECCA CHRISTINE	CASH CASSON	UTOPIA EL PASO	ECA EMT	79765 39066	MARY TOM	DILLARD DIMAS	BASTROP PHARR	EMT-I
82366	MATTHEW	BAILEY	TIOGA	EMT	48143	ARTHUR	CAST	BURLESON	EMT	54773	HENRY	DIXON	HOUSTON	EMT
66058 83351	DANIELLE	BAIRD BAKER	AUSTIN STOCKDALE	EMT EMT	87130 25815	JAIME RUSSEL	CASTANEDA CASTEEL	MC ALLEN AMARILLO	ECA EMT-I	80975 82770	JASON LAQUANNA	DIXON DOBBINS SUT	ATHENS HERLAND SPGS	ECA EMT
17455 75099	PATRICIA KAY	BAKER G BALLARD	UN BARREL CTY LAPORTE	EMT-P EMT	54668 70912	BRENDA ELEYCE	CASTLEBERRY CAUBLE	GEORGETOWN ALBANY	EMT EMT	80569 81250	COREY	DODD	FORT WORTH HOOKS	EMT EMT
72912	MICHAEL	BALLARD	ROCKPORT	EMT	64379	PAULINO	CECILIO	HARLINGEN	EMT	82553	JOHN	DONAHUE	TROY	EMT
90862 58981	VALERIE ALMA	BALLARD BANDA	DUMAS LAREDO	EMT EMT	100166 46973	LUIS KELLI	CERVANTES CHACON	EL PASO BEEVILLE	EMT-P	84153 58928	RACHEL CHARLOTTE	DOWNEN DRAKE	SAN ANTONIO LUFKIN	ECA EMT-I
2496 59545	ANDREW MELISSA	BANKS BANTA	BOERNE PORTER	EMT-P EMT-I	66918 76953	JULIE BRYAN	CHAMBERS CHANDLER	LAS VEGAS HARLINGEN	EMT EMT	5854 92685	LISA SHERRI	DREW DRUMMOND	ENOCHS BEAUMONT	ECA EMT
46783	PETE	BARBOZA	CORP CHRISTI	EMT-I	50739	AUSTIN	CHARLTON	DRIPPING SPGS	EMT	91960	EDWARD	DUCKWORTH	ROCKWALL	EMT
79924 49995	JOSEPH GARY	BARRON BARTLEY	LITTLE ELM SHADY SHORES	ECA EMT	59220 1073	DANIEL VINCENT	CHENEY CHERRONE	MADISONVILLE ROUND ROCK	EMT EMT	39186 81599	BRIAN M	DUMAINE DUNAWAY	HOUSTON TRINITY	EMT EMT
58349 95519	STEPHEN DAVID	BASS	BEDFORD	EMT	96330	WILLIAM	CHILDESTER	PAMPA	EMT	59048	LESLEE	DUNCAN	STEPHENVILLE	EMT
91658	NICHOLAS	BASS BATCHELOR	PASADENA W COLUMBIA	EMT ECA	25282 99986	CHRISTINE JUTTA	CHRIST CHUMBLER	COLL STATION WICHITA FALLS	EMT-P EMT	10786 63517	JON PATRICK	DUNHAM DUNKLE	EL PASO TEXARKANA	EMT-P EMT
72155 93562	KANDICE JONATHAN	BAZE BEACH	CLEBORNE EARTH	EMT EMT	27438 20187	BARBARA ROY	CLARK CLARK	TEXAS CITY ROPESVILLE	EMT EMT	59207 68082	CHARLES DAVID	DUNN DUNSWORTH	CORP CHRISTI MIAMI	ECA EMT
92823	JENNIFER CHARLES	BEARDEN	RANKIN	ECA	3759	CHARLES	CLARKE	SANFORD	EMT-I	36399	JOSEPH	DUPLECHIN JR	ORANGE	ECA
49246 92114	MICHAEL	BEATTY BEEL	NASSAU BAY HOUSTON	EMT EMT	69031 92160	SHA DEBARA	CLAYTON CLAYTON	FORT WORTH CAMPWOOD	EMT EMT	66993 74436	PHYLLIS VICKIE	DUPRE DURHAM	TEXAS CITY SEAGRAVES	EMT ECA
69591 62787	RHONDA JUDITH	BEEMAN BELFLOWER	MANVEL VALLE DE ORO	EMT ECA	35974 11668	JANICE MICHAEL	COCKRELL COCKRELL	MART HOUSTON	EMT-I EMT-P	2183 41898	BRIAN DAVID	DYER DYER	HOUSTON GRAND SALINE	EMT-P
74647 79077	JACQUELINE ROGER	BELK BELL	DUMAS ODESSA	EMT EMT	28686 59213	MALINDA LUKE	COCKRELL COGNATA	CLUTE LA PORTE	EMT ECA	73665 58656	KEITH SCOTT	DYESS EANES	TENN COLONY	EMT
44288	RHONDA	BELL	OAKWOOD	EMT-I	59575	WESLEY	COKER	ROWLETT	EMT	97218	CHRISTI	EASTEP	COLLINSVILLE SUNRAY	EMT
72214 9484	ROBERT LUIS	BELTRAN	ODESSA LAREDO	EMT-P	72551 84742	JOHN EVAN	COLBURN COLE	HOUSTON LUBBOCK	EMT EMT	86933 59840	KENNETH DEBORAH	EAVES ECKART	STERLING CITY FORT WORTH	EMT EMT
94043 58517	JO PAUL	BENAVIDES BENAVIDES	SAN ANTONIO VANDERBILT	ECA ECA	70541 40534	GINA MICHAEL	COLEMAN COLLINGS	PAMPA HOUSTON	EMT-I	29650 63474	DEBORAH VERNON	ECKEL EDENFIELD	POTH DYES AFB	EMT EMT
25746	TIMOTHY	BENNETT BENSON	AMARILLO	EMT-P	97447	ADAM	COLLINS	BOISE	EMT	97709	JOHN	EDWARDS	DUMAS	EMT
37095 47764	GUY	BENSON	CORP CHRISTI HUTTO	EMT-I EMT	46786 59703	AUDREY LARRY	COLLINS CONE JR	CROWELL ARTHUR CITY	EMT-P EMT	98618 42514	ROBERT WILLIAM	EFFENBERGER EHMLING	LOMETA SEABROOK	EMT-I
969 8273	DANIEL TIMOTHY	BERDYCH BERGMAN	FT WORTH FREEPORT	EMT-P	99889 47908	HUYHOANG DAVID	CONG CONLEY	HOUSTON ODESSA	ECA EMT-P	22657 16663	TAMMY MICHAEL	EILAND ELLIS	CHANNELVIEW GRAND PRAIRIE	EMT-I EMT
58752 13936	THOMAS LAURENCE	BERKLEY BERTRAND	PASADENA AMARILLO	EMT-I ECA	66378 11311	LISA GENARO	CONRADSON CONTRERAS	DICKINSON SEABROOK	EMT	3544	VANESSA	ELLIS	THE COLONY	EMT-P
66699	JERRY	BEVERLY	CUSHING	ECA	60047	BRUCE	COOKE	EL PASO	ECA EMT	11272 66355	WILLIAM RHONDA	ELLIS JR ELLISON	PERRYTON HOUSTON	EMT ECA
98599 64222	DENNIS JAMES	BIEHL BINDER	COPP. COVE HOUSTON	EMT ECA	73632 54431	DOUGLAS TIMOTHY CO	COPELAND PPENBARGER	KERRVILLE FRIENDSWOOD	EMT EMT	88635 41512	TINA GREGORY	ELMORE ELMORE	WACO MINEOLA	EMT EMT
71976 80346	TERRI JAMES	BLACKBURN BLACKMON	HUGHES SPGS SANDERSON	ECA EMT	60030 59328	KYLE CRYSTAL	CORNELL COSIO	GRAHAM BAYTOWN	ECA EMT	58965 59940	JILL MAURA	ELSBERRY ENGLAND	BAYTOWN IOLA	EMT-I EMT
86255	PAGE	BLACKMON	SANDERSON	EMT	45117	DANNY	COSTLOW	LONGVIEW SANDERSON	EMT	91917	JAMES	ENTZMINGER	DALLAS	ECA
91056 59712	DAVE LOLA	BLACKWELL BLOSSER	WESLACO RUSTON	ECA EMT	82781 59329	TOMMY SHIRLEY	COUCH	STEPHENVILLE	EMT ECA	96189 42388	DAVID SHARON	ERICKSON ERSCH	DEL VALLE FREDERICKSBUR	EMT GEMT
59442 59905	THERESA MICHAEL	BOBO BODMER	HALTOM CITY WEBSTER	EMT ECA	91103 83820	RICHARD RICHARD	COURTS COWLES	KOUNTEE MESQUITE	ECA EMT	73878 45043	CHRISTINA JEANNETTE	ERWIN ESCUTIA	DYESS AFB CARROLLTON	EMT EMT
58409	WALTER	BOEKO II	GAINESVILLE	EMT	88508	DAVID	COX	CLEBURNE	EMT	62173	NORMAN	ESPINAS	MCALLEN	EMT
73838 98920	PAUL TOMMY	BOEN BOGART	POINT SUNRAY	EMT ECA	82010 90697	JOHN JOHN	COX	WACO PAMPA	ECA EMT	90170 90779	CATHERINE DIANA	ESTES ESTRADA	MARLIN EL PASO	EMT EMT
77386 65552	AMY DAVID	BOGGS BORDEN	WATAUGA PEARLAND	EMT EMT	3117 66562	DENISE TERESA	CRAIG CRAIKER	CORP CHRISTI SHEFFIELD	EMT-I EMT	63738 97655	LARRY MICHAEL	ETCHISON EURICH	PAMPA DENTON	EMT ECA
88730	LLOYD	BORDEN	HARLETON	EMT	65942	JOSEPH	CRAIN	SAN ANTONIO	EMT	100209	ANGELA	EVANS	HALE CENTER	EMT
98702 99905	ASHLEY JASON	BORGSTEDTE BOWEN	BRENHAM COLUMBUS	EMT EMT	41967 80255	KENNETH CHRISTOPHE	CRANE R CRANFORD	ARLINGTON FORT WORTH	EMT-I ECA	81679 37132	HOWARD MARCOS	EVANS FABELA	HITCHCOCK AMARILLO	ECA EMT-I
90757 64866	CHRISTOPHEI STEVEN	R BOX BOYD	SAN ANTONIO GUTHRIE	EMT ECA	32572 44350	DANNY NOEL	CRAWFORD CREMAR	CADDO MILLS HEBBRONVILLE	EMT EMT	14846 58750	RODNEY LEA	FALCON FARBER	AUSTIN AUSTIN	EMT EMT
67888	KRISTOPHER	BRACKETT	HOUSTON	ECA	84082	BRANDON	CREWS	AMARILLO WICKETT	EMT	58726	DOTTIE	FARR	WEATHERFORD	EMT
96840 40654	NORBERT NOAH	BRADER BRAGG	EL PASO GRAHAM	EMT ECA	97350 22946	DONNA ANTHONY	CRISP CROCHET	GRAN SHOALS	EMT EMT	25824 99837	ELLENA KARL	FAWNS FERGUSON	AUSTIN GUTHRIE	EMT-P ECA
59757 39384	VALERIE DAVID	BRANDON BRANDT SR	MESQUITE LEAGUE CITY	EMT-I	90692 58549	LISA HEATH	CROCKETT CROSSLAND	GALVESTON HIGH VILLAGE	EMT EMT	32483 58737	DOMINGO CARLA	FERNANDEZ FIEGENER	HARLINGEN CLEAR LAKE	ECA EMT
89135	ROBERT GRANVILLE	BRANHAM BRASFIELD	BRIDGE CITY	EMT	64488	KATHY	CROWE	CEDAR PARK	EMT	90676	DANIEL	FIELD	GIDDINGS	ECA
27383 79190	ANN	BRAY	PASADENA GALVESTON	EMT EMT	99474 46289	GARRETT SANTIAGO	CRUCE CUELLAR	AUSTIN WESLACO	EMT-I	65975 87196	JOEL GARY	FINNEY FINNEY	SEAGOVILLE COMBINE	ECA ECA
87382 20279	JACK GAYLA	BREEDEN BRELAND	GLEN ROSE ORE CITY	EMT EMT	20051 94272	OSCAR MICHAEL	CUELLAR JR CUEVAS	LAJOYA PEARSALL	EMT ECA	59396 8241	CHARLES BRENDA	FIRESTONE FISHER	AMARILLO MIDFIELD	EMT-I
91546 41811		BRIGHTWATER BRIGMAN JR	AUSTIN TYLER	EMT-I	58805 94167	BRIAN BRIAN	CULLUM DACH	SAN ANTONIO STEPHENVILLE	EMT EMT	17662 3320	PATRICK LARRY	FITZPATRICK FLINT	AMARILLO CORP CHRISTI	EMT-P EMT-P
75484	CYNTHIA	BRISBIN BRITO	TEXAS CITY EL PASO	EMT EMT	81262	KEVIN	DAHL	MESQUITE	EMT	61054	GERMAN	FLORES	MISSION	EMT-I
100136	JEANETTE	DICTO	LL I ASO	DIALI	69090	BARBARA	DAIGLE	BRIDGE CITY	EMT	75959	EUTIQUIO	FLORES JR	MC ALLEN	ECA

60033	KELLY	FONVILLE	NACOGDOCHES	EMT	1760	ROBERT	HARTIGAN	AUSTIN	EMT	69309	WILLIAM	KENNER	NACOGDOCHES	EMT
72831	CHRISTOPHER		PASADENA	EMT	31573	ANGEL	HARTSCHUH	DEER PARK	EMT-I	61661	ROBERT	KENNY	BAYTOWN	EMT
47702 67363	ARTHUR RUSSELL	FORD FORD	PORT ARTHUR CARY	EMT EMT	97120 54750	NICK	HASENFRATZ	ADKINS	EMT	99985	MARK	KENT	SAN ANTONIO	ECA
87693	IOHN	FOSTER	GIDDINGS	EMT	64070	VICKIE KARL	HASKETT	BUFFALO GALVESTON	EMT EMT	65998 50018	JEFFERY KEVIN	KENYON KERLEE	SAN ANTONIO GROOM	ECA EMT
64232	MICHAEL	FOSTER	FRITCH	ECA	34580	JOHN	HAWKINS	HOUSTON	EMT	25719	IERRY	KIDD	VAN	EMT
43276	MARLA	FOSTER	HOUSTON	ECA	77712	JOE	HAYLEY	FORT WORTH	EMT	100038	ARTHUR	KINEARD	LA PORTE	EMT
15916	PAMELA	FOX	WESTCLIFF	EMT-P	81045	RUTHIE	HAYNIE	NEW CANEY	EMT	80642	JEFFREY	KING	TRENT	EMT
46565 69825	MICHAEL WILLIAM	FRANKS FRAZIER	COLL STATION ODESSA	EMT-I EMT	59419 73435	CARLISA TOM	HENDERSON HENDERSON	FORT WORTH	EMT	97203	GERALD	KINKHORST	CYPRESS	EMT
95412	RANDY	FREE	ODESSA	EMT	64735	LISA	HENDRIX	LA PORTE LEWISVILLE	EMT EMT	59092 46406	KIMBERLY KATHY	KIRBY KIRKPATRICK	CROCKETT	EMT-P
19577	STEVEN	FREELAND	DALLAS	EMT	94561	KAYE	HENSARLING	BOYD	EMT	99228	ANASTASIA	KITCHEN	LONGVIEW	EMT
58532	KEN	FREEMAN	SPEARMAN	EMT	11812	SHIRLEY	HENSIEK	BURLESON	EMT-P	59475	MARK	KLEYPAS	SEABROOK	ECA
82631 45979	CRYSTAL ELIZABETH	FRENCH FRENCH	HURST CAYUGA	EMT EMT	94796 92691	DARLENE	HERNANDEZ	AUSTIN BROWNSVILLE	EMT ECA	7826	CHRIS	KNISLEY	HOUSTON	EMT-P
87896	KENNETH	FRISBY	BEDFORD	EMT	59377	LISA	HERNANDEZ HERNANDEZ	HOUSTON	EMT	71051 58516	RICHARD JAMES	KONGABLE KOOP	AUSTIN EDNA	EMT ECA
60051	DAVID	FRITH JR	INEZ	EMT	59237	ERIC	HERREN	ARVADA	EMT	93407	PEGGY	KOPECKI	SAN ANTONIO	ECA
59142	KRISTIN	FULGENZI	EULESS	EMT	60114	JOSE	HERRERA	HOUSTON	EMT	30627	WALTER	KOTLINSKI III	AUSTIN	EMT-P
3924 53594	JEFF LARRY	FULKERSON FULLER	LAPORTE CLEBURNE	ECA EMT	58525 26598	TONI	HERRON HERZER	BRYAN LUBBOCK	ECA EMT-P	59557 4991	RUSSELL	KRASNESKY	DALLAS	EMT
9706	RICHARD	FURLOW	LA PORTE	EMT-P	59630	TERRI	HIBBS	ROWLETT	EMT	76981	ROBIN WAYNE	KRAUSE KRETZMEIER	WHITEHOUSE MABANK	EMT-P ECA
72329	R	GAMBLE	CANYON	EMT	12152	STEPHEN	HICKS	ALLEN	EMT	60105	MARY	KRUMNOW	RIESEL	ECA
58975	ERNESTO	GARCIA	LAREDO	EMT	68002	DEBRA	HICKS	SKELLYTOWN	EMT	44644	PENNY	KRUSE	GRUVER	EMT
69554 60120	GERARDO	GARCIA GARCIA	EL PASO EL PASO	EMT ECA	29225 42641	JOANNE BRADLEY	HILL HILLIARD	SEGUIN ARLINGTON	ECA EMT-P	90507	WAYNE MICHAEL	KRUSE	GRUVER	EMT
98671	LUIS	GARCIA	KINGSVILLE	ECA	59626	DENNIS	HINES	LUFKIN	EMT	98778	BRIAN	KUEKER KUJAK	WHARTON DENTON	EMT-I EMT
80823	ANDRES	GARCIA	EL PASO	EMT	54271	GARY	HINES	SEABROOK	EMT	63743	WILLIAM	KUYKENDALL	COLL STATION	EMT
49512 38768	ESTEBAN	GARCIA JR	LAPORTE	ECA	85835	JOHN	HINSON	DUMAS	EMT	81379	RUE	LA	PREMONT	EMT
58667	DAVID KYLE	GARDNER GARDNER	PLANO WICHITA FALLS	EMT-P EMT	74464 82513	WILLIAM MELISSA	HITCH HOBBS	HEWITT ALBANY	ECA EMT	93887 72069	ANTHONY THOMAS	LACOSTE LAMBERT	AMARILLO NACOGDOCHES	EMT ECA
23458	DANIEL	GARDNER II	DEER PARK	ECA	59483	PORTIA	HOBBS	STEPHENVILLE	EMT	89726	SHAWN	LAMBRIGHT	DALLAS	EMT
51532	GAINES	GARNER	BOERNE	EMT-P	76177	AMY	HOGUE	FORT WORTH	EMT	44006	DONALD	LAMPIER	FERRIS	EMT-P
40862 60074	CYNTHIA ALBERT	GARRISON GARZA	HUFFMAN SUGAR LAND	EMT ECA	87865 5379	SHELIA LEAH	HOKE HOLBEN	MARQUEZ CANYON	ECA EMT-P	67332 64991	DUANE	LANDRY	EL PASO	EMT-P
70220	LAURA	GARZA	LAREDO	EMT	91331	KIMBERLY	HOLDRIDGE	ATHENS	EMT-P	61399	DENISE MICHAEL	LANE LANE	MIDLAND SAN ANTONIO	EMT EMT
89890	JOE	GARZA JR	MISSION	ECA	84410	RANDY	HOLLAND	HUFFMAN	EMT	59562	WENDELL	LANGLEY JR	CRANDALL	EMT
72820 56877	SHELLIE KEITH	GASAWAY GATES	GEORGE WEST	EMT	85003	SHARLA	HOLLAND	BLACKWELL	EMT	87527	CARLOS	LARA	EL PASO	EMT
61751	IOHN	GENERALI	ARLINGTON AUSTIN	EMT-P ECA	39309 10849	GEORGENE CHERYL	HOLT HOOD	GRANDVIEW GALVESTON	EMT-P EMT-I	61219 71413	JAMES LOREE	LARKIN JR LASTER	AUSTIN	ECA
49678	KEVIN	GEREMONTE	MINEOLA	EMT-I	2779	MARK	HOOPER	KINGWOOD	EMT	90037	IAMES	LATHAM	BRUCEVILLE AMARILLO	ECA ECA
85969	DAVID	GERNER	WOODLAND	EMT-P	49144	KENNY	HOOTEN	LOCKNEY	ECA	59899	SCOTT	LATHAM	FORT WORTH	EMT
70923	KEVIN	GEYER	FLOWER MOUNI		53689	TERRY	HORTON	RISING STAR	EMT	59574	PETER	LAURITSEN	GARLAND	EMT
44619 29773	KIRK JACKIE	GIBSON GILBREATH	ARLINGTON ODESSA	EMT-I	34333 42587	GLORIA THOMAS	HOUSE HOWARD III	BAYTOWN EL PASO	ECA EMT	24961 49032	LARRY KEVIN	LAWRENCE LEATHERWOOI	LAPORTE	EMT
70632	MELINDA	GILBREATH	SANDERSON	EMT	87485	GEORGIA	HOWSE	MAGNOLIA	EMT	63585	TAMMY	LEDFORD	ROWLETT	EMT EMT
66757	KATHERYNE	GILDON	NAPLES	ECA	78111	KORI	HUDDLESTON	BIG SPRING	EMT	59841	RHONDA	LEE	LONE PINE	ECA
8339 66413	PAMELA CHRISTOPHER	GILFILLAND	WHITNEY SAN ANTONIO	EMT-I EMT	81978	GORDON	HUFF	MIDLAND	ECA	90896	TYRA	LENDERMON	STERLING CITY	EMT
81945	JOHN	GILMORE	AUSTIN	ECA	59568 58533	TIMOTHY LISA	HUGHES HUNT	ALLEN EL PASO	EMT-I	22226 64684	TIMOTHY MARK	LENE LENZO	SOUR LAKE GROESBECK	EMT
89175	JIMMY	GLASS	WATER VALLEY	EMT	89286	BRIÁN	HUNTER	PECOS	EMT	92134	IERRI	LEONARD	SEGUIN	EMT ECA
92577	MICHELLE	GLATZ	GRAND PRAIRIE		98067	RICHARD	HUNTINGTON	AMARILLO	ECA	60057	RICHARD	LEONBERGER J		ECA
18389 80827	BARBARA JEROME	GLENN GOMER	EAST BERNARD HARK HEIGHTS	ECA EMT	35378 51784	JEFF JOHN	HURLEY	DEER PARK	ECA	33732	JOHN	LEOS	MCGREGOR	EMT
59989	ANGEL	GONZALES	HUNTSVILLE	ECA	59580	PAUL	HURLEY JR HUTCHINS	GRANBURY WILEY	EMT EMT	58461 91104	DENISE JAMES	LESTER LEVINE	CEDAR HILL BEAUMONT	EMT ECA
58521	CHRIS	GONZALES	PORT LAVACA	ECA	59983	DORIS	HUTESON	HOUSTON	EMT	91422	JAMES	LEWIS	PREMONT	EMT
71707	DONN	GONZALES	SAN ANGELO	EMT	74513	RUSSELL	HUTSON	CHILDRESS	EMT	66068	MARY	LEWIS	KILLEEN	EMT
97321 80264	RENE VERONICA	GONZALES GONZALES	DUMAS GIDDINGS	EMT EMT	55374 59700	KEITH CYNTHIA	HYLAND INNERARITY	CARROLLTON	EMT EMT	48170	BETTY	LIEBER	GALVESTON	EMT
60043	BART	GOODE	MC GREGOR	ECA	100127	CHRISTOPHEI		HUNTINGTON HOUSTON	EMT	50676 59837	DARREL	LIEDER	DEER PARK LA GRANGE	EMT-I EMT
70781	FRANKIE	GOTCHER	HOUSTON	ECA	7800	PENNIE	IVES	PLANO	EMT	85358	BARBARA	LIGGETT	WICHITA FALLS	ECA
43585	JOHN	GRAHAM	KATY	EMT	87701	PAULA	IZYK	FERRIS	EMT	74662	DON	LIGGETT	WICHITA FALLS	ECA
6148 66523	JESSE WILLIAM	GRAHAM GRAVES	BALCH SPGS GRAND PRAIRIE	ECA EMT	90933 82369	DIANE KALA	JACKSON JACKSON	COLBERT GUTHRIE	EMT ECA	68143 59292	HEIDI	LILES LIND	HUNTSVILLE	EMT ECA
67643	DARRELL	GRAY	DUMAS	EMT	87284	ASHLEY	JACKSON	BAYOU VISTA	EMT	100057	DIONNE	LIND	DAYTON BORGER	EMT
33617	LOU	GRAY	CELESTE	EMT	100052	CAROLE	JACKSON	SISTERDALE	ECA	56717	ANITA	LINDSAY	EL PASO	EMT-P
93624 6243	CHASITY	GREEN GREEN	EMORY ROCKDALE	EMT-P	67662 98895	JENNIFER LINDA	JACKSON JACOBSON	DALLAS	EMT	59927	DOTTIE	LINKUGEL	PASADENA	ECA
89814	WARREN	GREEN	SUGAR LAND	EMT	80567	AARON	JAMES	PLANO TOMBALL	ECA ECA	88651 98578	WILLIAM	LINTON LIVINGSTON	MCKINNEY IRVING	ECA EMT
72519	BRANDI	GREENHAW	KEMP	EMT	85880	REBECCA	JAMES	NEW BRAUNFEL		74324	SHERIDAN	LOCKETT	DALLAS	ECA
20177 73745	SHANE	GREGORY GRIESENBECK	FORT WORTH	EMT	71634	LAURIE	JANOLO	FLOWER MOUNI	TO ATT	18300	THOMAS	LOGAN	MANVEL	EMT
33436	SALLY	GRIFFIN	BASTROP COPPERAS COVE	EMT EMT	80479 50884	LAURIE MARILYN	JEFFRYES	IRVING ROCKPORT	EMT-I	73345 16349	TAMMY	LOHR	TOMBALL CHANNELVIEW	EMT
36889	DEBORAH	GRIFFIN	SANFORD	EMT-I	31487	ERIC	JETT	AUSTIN	EMT	56653	CHRISTOPHE	RLONG	COLORADO SPGS	S EMT-P
64505 54935	SHERRI	GRISHAM GROSS	TERRELL INGRAM	ECA EMT	14465 98170	ARLENE	JIMENEZ	SEGUIN	EMT	11147	RANDALL	LONG	HALLSVILLE	EMT
71019	ELIEL	GUAJARDO	SAN ANTONIO	EMT	83724	DEBBIE	JIMENEZ JOHNSON	TEXARKANA MONAHANS	EMT EMT	80647 6937	TAMMY SIDNEY	LONGBOTHAM LONGWELL	BRAZORIA BATON ROUGE	ECA EMT
1071	LINDA	GUERRA	CASTROVILLE	EMT	2352	EDWARD	JOHNSON JOHNSON	FT WORTH	EMT	71170	JOE	LOPEZ	WACO	ECA
68594 79631	LUIS YORICK	GUILLEN GUILLORY	EL PASO CHINA	ECA ECA	4904 57863	JO NORBERT	JOHNSON	ROCKPORT BELLEVUE	EMT-I	65879	JUANITA SHAWN	LOVELADY	BRACKETTVILLE	ECA
99419	ROBERT	GUMBINER	FULLERTON	EMT	41198	ROBERT	JOHNSON JOHNSON	HUFFMAN	EMT-P ECA	59742 32299	SHAWN	LOVELADY	PLANO WACO	EMT EMT
74472	TRAVIS	GUMP	WACO	EMT	98241	RYAN	IOHNSON	ROUND ROCK	EMT	66556	PHILLIP	LOWERY	ROBERT LEE	EMT
256	JOAN	GUNN	ROUND ROCK ELM MOTT	ECA	59076	SERENA	JOHNSON JOHNSON	BEDFORD	EMT	68064	DAVID	LOWREY	AMARILLO	ECA
93665 59791	JEFFERSON STEPHANIE	GUNN GUSTAVSON	CISCO	EMT EMT	45145 82858	EVA HAROLD	IOHNSON	COMANCHE FRIENDSWOOD	ECA ECA	14430 8068	ANTONIO DAVID	LOYA LUCAS	FABENS PLANO	EMT EMT
92726	ALMA	GUTIERREZ	EL PASO	EMT	40926	PAULIE	JOHNSON JOHNSON	TEXAS CITY	EMT	67374	DAN	LUCAS II	NASH	EMT
60065	THOMAS JOSEPH	GUTIERREZ HAEFNER	HEWITT MARTINDALE	ECA EMT	11987 28310	BOBBY	JOHNSON JR	FORT WORTH	EMT-P	70820	JAIME	LUCERO	AMARILLO	EMT
94739	MICHAEL	HAGEMEYER	LONGVIEW	ECA	60012	GARY PATRICK	JOHNSTON JOHNSTON	CLUTE CYPRESS	EMT	99035 99034	EDUARDO ERNESTO	LUGO LUGO	SAN JUAN MCALLEN	ECA ECA
5132	RODNEY	HAGER	CORP CHRISTI	EMT-I	75011	BRENDA	JONES	SPRING	ECA	62326	JOHN	LUJANAC N	IEW CUMBERLANI	
59115	WILLIAM	HALL	DENTON	EMT	98142	LIBERTAD	JONES	EL PASO	EMT	75536	JESSE	LUNA	BELTON	EMT
49910 43941	MELISSA ANNA	HALL HAMETNER	COLL STATION COLL STATION	EMT EMT	35092 98211	STEPHEN MONTRI	JONES JONES	ROCKDALE TEXARKANA	EMT-P EMT	34962 59883	FELIPE SUZANNE	LUNA JR MACDONALD	WESLACO KILLEEN	EMT-I EMT
59636	ANDREW	HAMILTON	RICHARDSON	EMT	97352	TERRY	JONES	LOCKNEY	EMT	84161	JOAN	MADDEN	DICKINSON	EMT
88633	HOGAN	HAMMOND	HURST	EMT	48062	DANIEL	JONES III	LOCKNEY PASADENA	EMT-I	60636	ROBERT	MADDOX	ONALASKA	EMT
98248 86647	SUSAN	HAMMOND HAMMONS	BRYAN KILLEEN	EMT EMT	59818 99951	GLENN JORGE	JORDAN JORDAN	GRANBURY SNELLVILLE	ECA EMT	92283 78336	MARIO DAVID	MADRID JR	EL PASO	EMT EMT
59382	GORDON	HANCHETT	FORT WORTH	EMT	60037	ANTHONY	KABANEK	SAN ANTONIO	EMT	63561	MICHAEL	MAJORS MALACKY	IDALOU WEBSTER	EMT
72268	KENNETH	HANKINS	BOWIE	ECA	90745	TIMOTHY	KADLECEK	HITCHCOCK	EMT	78989	MANUEL	MALDONADO	JR SANDERSON	EMT
58658	MELISSA	HANSON	ROCKPORT	EMT	17892	GARY	KAHLICH	CARROLLTON	EMT-P	35053	KELLY	MALLEY	MANSFIELD	EMT-P
80315 30846	KEITH	HARDEMAN HARDY	FORT WORTH MOUNT VERNOR	EMT N EMT	59552 100210	SUSAN DARWIN	KAPUCHUCK KATAN	LUCAS DALHART	EMT	70659 23589	EDUARDO ROBERT	MANCILLAS MANIS JR	EL PASO DICKINSON	EMT-I
10991	FRANCES	HARGROW	BREMOND	EMT	80548	JOHN	KAY	MARSHALL	EMT	18913	JOSEPH	MANZ JR	SPRING	EMT
60059	LORETTA	HARKIN	ELM MOTT	ECA	68631	GORDON	KEAHEY	TERRELL	EMT	72152	ROBERT	MARCHBANKS	RICHARDSON	EMT
99217 38071	TERESA MIKE	HARPER HARRAL	MIDLAND ARGYLE	EMT EMT	67549 74432	ERIC CHRISTI	KEATHLY KELLUM	PLANO LONE STAR	EMT ECA	59495 16553	JASON THOMAS	MARCY MAREK	AZLE ABBOTT	ECA EMT-I
18749	TIMMY	HARRIS	WELLINGTON	ECA	59270	MICHAEL	KEMP	ARLINGTON	EMT	30710	TOMAS	MARES JR	HARLINGEN	ECA
26586	PANIDALI	HARRISON	NAPLES	EMT-I	60111	BENNETT	KENNEDY	SAN ANTONIO	EMT	94259	WERNER	MARQUER	HITCHCOCK	ECA
3374 72386	RANDALL TOBY	HARRISON HART	HOUSTON LUBBOCK	EMT-I EMT	100175 94274	SCOTT STEPHEN	KENNEDY KENNEMER	MIDLAND HOUSTON	EMT EMT	97800 70169	MICHAEL CHRISTOPHE	MARSH R MARSHALL	DUMAS HITCHOCK	EMT

34819	JOHNNY	MARTIN	PORT NECHES	ECA I	1110	CHRISTINE	MUELLER	BELLVILLE	EMT	42352	HEATHER	PRINGLE	HOUSTON	EMT-P
88373	JOSEPH	MARTIN	ABILENE	EMT	52914	DEBORAH	MUIR	TEXAS CITY	EMT	7444	J	PROCELL	KARNACK	EMT
94717	MICHAEL	MARTIN	PORT ARTHUR	ECA	63565	JOHN	MULHOLAND	SAN ANTONIO	EMT	65820	DAVID	PRONGER	FORT HOOD	EMT
9495	RHONDA	MARTIN	ORANGE	EMT-P	75842	ORLANDO	MUNGUIA	MCALLEN	ECA	91529	BRENDA	PURDON	COOKVILLE	ECA
11235	RONNIE	MARTIN	LITTLETON		2671	ROSA	MUNOZ	SPEARMAN	EMT	91297	JIMMY	PURDON	NAPLES	ECA
95491	KRISTOPHER		AMARILLO	EMT	65016	RODOLFO	MURILLO JR	EL PASO	EMT	84818	WILLIAM	PURSLEY JR	FORT WORTH	EMT
20577	LUIS		CORP CHRISTI	EMT	96509	JEANNE	MURPHY	ROGERS	EMT	95493	ARTHUR	PURVIS	BAYTOWN	EMT
81903	RUBEN	MARTINEZ	EL PASO	EMT	48122	PATRICK	MURPHY	PORT ARTHUR	EMT	20657	KITTY	PURYEAR	WACO	ECA
60086 14534	YOLANDA EVA	MARTINEZ MARTINEZ	PORTLAND FREDERICKSBURG		56690 74058	LORIE WILLIAM	MURRAY MURRELL	PLANO HOUSTON	EMT EMT	42835 72728	GRADY FRANK	QUINNEY QUINTANILLA		ECA EMT
91208	TINA	MARTINEZ	LUBBOCK	EMT	98728	LORELEI	MUSE	ALTO	EMT	53084	ROBERT	RABAGOS	CORP CHRISTI	EMT
34390	ARCENIO	MARTINEZ JR	LOCKNEY	ECA	78125	ROSS	MYERS	TERRELL	ECA	17388		RABKE	WILLOW CITY	EMT
70999	VICKI	MARTINKA	PFLUGERVILLE	EMT	45297	DIANN	NAIDL	PLANO	EMT	22201	JAMIE	RAGSDILL	ARLINGTON	EMT
86462	JOEL	MASHBURN	FORT WORTH	EMT	42258	AARON	NANCE	COPPER CANYON		58574	ROBERT	RAINEY	COOPER	ECA
93613	CHRISTINA	MASSELL	AUSTIN	EMT	74756	ANTHONY	NAVARROTTE	DUMAS	EMT	100026	GEETA	RAJPAL	ROUND ROCK	EMT
72016	IANE	MATTHEWS	DECATUR	ECA	29357	IEREMY	NEAL	SULPHUR SPGS	EMT	73634	LAURA	RALEY	AUSTIN	EMT
43014	CHARLES	MATTHIES	SAN ANTONIO	EMT	60089	DAVID	NEEDLER	CHINA SPRING	ECA	33235	RENE	RAMIREZ	FORT STOCKTON	EMT
66857	MELANIE	MAYEAUX	HOUSTON	EMT	84925	FRANCIS	NELSON	MC ALLEN	ECA	59614	MARTIN	RAMIREZ	ROCKWALL	EMT
72043	PEGGY	MAYFIELD	SAN ANTONIO	ECA	63472	WILEY	NELSON III	SAN ANGELO	EMT	87406	VIOLA	RAMIREZ	PREMONT	EMT
72876	KATERYNE	MAYHAW	NAPLES	ECA	66104	KIMBERLY	NESMITH	AUSTIN	EMT	89563	AMADEO	RAMOS III	KINGSVILLE	ECA
95582	LINDA	MAYHAW	NAPLES	ECA	31453	DAVID	NETTLES	DEER PARK	ECA	48656	MELTON	RAMOS JR	SAN ANTONIO	EMT
3965	JASON	MAYO	MARKHAM	EMT-I	22435	KATHLEEN	NEUGEBAUER	DEER PARK	ECA	18725	NELLA	RANDELL	AMARILLO	EMT
31175	DANIEL	MCALLISTER	TEXAS CITY	EMT-P	73304	MICHAEL	NEWBERRY	STREETMAN	ECA	74515	DIANA	RANGEL	FORT STOCKTON	EMT
43428	JOHN	MCALPIN	AUSTIN	EMT-P	63079	WILLIAM	NEWELL	HOUSTON	EMT	1378	PAUL	RANGES	MONTGOMERY	ECA
6189	ROBERT	MCBRIDE	LA PORTE	ECA	59827	JASON	NEWMAN	DALLAS	EMT	92826	MELISSA	RAWLS	WOODVILLE	EMT
67538	CHARLES	MCCABE	LONGVIEW	EMT	60123	THAD	NGUYEN	HOUSTON	EMT	85871	DONNA	REDDING	COMBINE	ECA
87059	PATSY	MCCARTY	VERNON	EMT	68600	STEVE	NICHOLS JR	HALTOM CITY	EMT	77622	JAMES	REEDER	ARLINTON	EMT
59794	KEITH	MCCOY	CHANNELVIEW	ECA	60058	MICHAEL	NIGH	HEMPSTEAD	EMT	58573	DAVID	REITBERGER	PORT LAVACA	ECA
40036	LARRY	MCCRARY IR	DALLAS	EMT	62816	MIDORI	NISHIDA	PORTLAND	EMT	60088	DENNIS	REJCEK	WACO	ECA
25554	STACEY	MCELROY	ROCKPORT	EMT-I	45405	THOMAS	NIXON	WEATHERFORD	EMT	95550	GEORGE	RESTIVO	BAYTOWN	EMT
77740	DAVID	MCEVERS	AMARILLO	EMT-P	69948	DEBBIE	NOLAND	GUTHRIE	ECA	49030	LAWRENCE	RETAULT	SAN ANTONIO	EMT
16283	WILLIAM	MCFADDEN	EUSTACE		78804	BRENDA	NOLAND	TEAGUE	ECA	66349	BRENDA	REVELLE	LUBBOCK	EMT
60475	STEPHANIE	MCGEHEE	DENISON	EMT	94976	JAMES	NOLAND	BEAUMONT	ECA	73538	ROLANDO	REYES	HIDALGO	ECA
2782	PAULA	MCGINLEY	KENNEDALE	EMT	75168	JAN	NORMAN	BELTON	EMT	5419	LUCINDA	REYNA	LA JOYA	EMT
99586 37243	DEBBIE RICHARD	MCGOLDRICK MCGRATH	MENTONE WICHITA FALLS	EMT-P	59230 110	LEAH DONALD	NORMAN NORTON	LADONIA INGLESIDE	ECA ECA	19760 59109	SHAUN JEREMY	REYNOLDS RHODES	TAYLOR ATHENS	EMT-I
60024 44492	LESLIE GREGORY	MCINTOSH MCKAY	ORANGE LEVELLAND	EMT-P	29148 57592	ANTOINETTE BILLY	NOTEBOOM NOWELL	NOLANVILLE OZONA	EMT	72951 58920	MARY DAVID	RICE RICE	DUMAS WEATHERFORD	EMT EMT
84165	JOE	MCKEE	FARMERSVILLE	EMT	9693	LUCRETIA	NOWMAN	NACOGDOCHES	EMT	76808	BESSIE	RICHARDSON	HOUSTON	ECA
76289	JONI	MCKENZIE	HOUSTON	EMT	59915	LESLIE	NUNN	DEER PARK	ECA	69462	NORMA	RICHARDSON	PFLUGERVILLE	ECA
59815	MICHAEL	MCLAIN	TRINIDAD	ECA	83704	JUDD	OBANNON	BENBROOK	EMT	53364	SANDRA	RICHARDSON	ABILENE	EMT-P
58513	MARILYN	MCLANE	GALVESTON	EMT	62260	KELLY	OBRIEN	NEDERLAND	EMT	64538	SCOTT	RIDENOUR	RANDOLPH AFB	EMT
70866	REBECCA	MCLAURIN	HOUSTON	EMT	65748	JERRY	OBRIEN	BRACKETTVILLE		75111	ROY	RIDENOUR III	ATHENS	ECA
23882	JAMES	MCLEAN	DEER PARK	ECA	58851	CLAUDIA	OCHOA	EL PASO		1586	JASON	RIDGE	CORP CHRISTI	EMT
93 96000	PETER JEREMY	MCLOUGHLIN MCMAHAN	CARROLLTON DENISON	EMT EMT	58852 77528	MARCO EDNA	OCHOA OCHOA	EL PASO PHARR	EMT EMT	94277 80953	JAMES	RIDGEWAY	SAN ANTONIO	ECA
87041	PATRICK	MCMEEN	AMARILLO	ECA	1773	JANE	OCONNOR	AUSTIN	EMT	79254	ROBERT PATRICK	RITCH RITCH	SAN ANTONIO HOUSTON	EMT EMT
95812 35791	LAWRENCE GARY	MCMILLAN III MCMILLIAN	FRITCH	EMT-I	72177 100112	MICHAEL SUSAN	ODOM OGLOFF	GROVES GROESBECK	EMT EMT	45691 97975	ALLEN EDNA	RITTER RIVAS	GARY STEPHENVILLE	ECA EMT
77511	TREY	MCMINN	FORT WORTH	EMT	73991	MONICA	OLIVARES	EL PASO	EMT	43821	FERNANDO	RIVERA	CORP CHRISTI	ECA
91473	JANET	MCMURRAY	ABILENE	EMT	99714	MARCELLA	OLSON	SAN ANTONIO	ECA	6296	JAMES	ROBBINS	DEER PARK	ECA
86190	DANNY	MCNEELY	AMARILLO	ECA	86214	HAL	ONEAL	ELKHART	EMT	45201	KATIE	ROBERTS	ODESSA	EMT-P
68805	THOMAS	MCNEELY III	EL PASO	EMT	33566	EVAN	ONEY	LONGVIEW	EMT	51483	MARION	ROBERTS	CAMPWOOD	ECA
46307	CRISTI	MECHE	RICHARDSON	EMT-P	94685	JEFFREY	OTTMERS	BRYAN	EMT	60071	PAMELA	ROBERTS	WACO	ECA
39658		MELTON	ELGIN	EMT	60038	HANNAH	OVERTON	CORP CHRISTI	EMT	82022	CLARENCE	ROBINSON	STREETMAN	ECA
88396	LEE	MELTON	REAGAN WELLS	EMT	39083	CAROLYN	PACK	WACO	EMT-I	58624	WILLIAM	RODGERS	WHITEHOUSE	ECA
95563	ESPIRIDION	MENDEZ	VAN HORN	EMT	82246	TIMOTHY	PACKARD	WHITE DEER	EMT	71836	FRANK	RODRIGUEZ	SAN ANTONIO	EMT
61604	GERI	MENTON .	ROUND ROCK	EMT	94652	MELISSA	PALACIOS	EL PASO	EMT	60113	JOSE	RODRIGUEZ	EL PASO	EMT
37313	JACOUOLYNI		HUTTO	EMT-P	77587	RENE	PALACIOS	MC ALLEN	ECA	23874	TAMMY	RODRIGUEZ	CEDAR PARK	EMT-I
59422	CRISTIN	MICHAEL	ORANGE	EMT	93231	ELSIE	PALACIOS	PREMONT	EMT	85526	CYNTHIA	RODRIGUEZ	BRYAN	EMT
59857	RENEE	MIKULEC	PLANO		91371	GERALD	PALMER	BRAZORIA	ECA	82324	EDMUNDO	RODRIGUEZ	EL PASO	EMT
78492 64699	ROBERT DARRYL	MILBURN MILLER	EL PASO EL PASO	EMT EMT	84486 30561	LARRY MICHAEL	PANNELL	AUSTIN CORP CHRISTI	ECA	77392	LEE	RODRIGUEZ	PREMONT	EMT
90764 19953	JO	MILLER	SEAGOVILLE AMARILLO	ECA	50561	ARNIS	PANTOJA PAPE	SAN ANGELO	ECA EMT-I	58982 87517	LINDA RUFUS	RODRIGUEZ RODRIGUEZ	AMARILLO DALLAS	EMT
81776	KENT DAVID	MILLER MILLER	WICHITA FALLS		96003 58627	MELISSA JOHN	PARK PARKER	SAN ANTONIO SAN ANGELO	EMT ECA	59365 88408	MERLINE TONYA	ROGERS ROGERS	MARBLE FALLS TYLER	EMT EMT
59768	JOHN	MILLER	GRANBURY	ECA	63553	JEFF	PARKER	CYPRESS	ECA	73885	JIMMIE	ROGERS JR	SUNRAY	
59920	KIMBERLY	MILLER	HOUSTON	EMT	59908	JOHN	PATERSON	CYPRESS	ECA	90168	BRANDIE	ROLLER	FORT STOCKTON	
7019 60131	MILTON SHANDRA	MILLER MILLER	AUSTIN GLADEWATER	EMT EMT	28444 1736	JEFFREY BLAINE	PATKE PATRICK	MIDLAND SAN ANTONIO	EMT-I	67508 61890	SCOTT	ROLLINGS ROSE	KELLER GALVESTON	EMT EMT
97516 31732	DENNIS	MILLER MILLS	STERLING CITY AMARILLO	EMT	90856 71626	CATHY BENJAMIN	PATRICK PATRICK II	CONROE BISHOP	ECA ECA	89629 59367	NICHELLE CHARLES	ROSEBERRY ROSSMAN	MIDLAND KATY	EMT EMT
61511	DANIEL	MINNEHAN	HOUSTON	EMT	82400	LARRY	PATTON II	KILLEEN	EMT	91994	RICHARD	ROST	HOUSTON	ECA
92910	MICHELLE	MINNICK	BELTON	EMT	81949	KELLIE	PAUL	FORT STOCKTON	EMT	41620	MEL	ROURKE JR	GALVESTON	EMT-P
31084	MARKLYN	MITCHELL	STOCKDALE	EMT	59671	SHIRLEY GAYLE	PAYNE	STEPHENVILLE	EMT	3874	DAVID	ROUTTE	WEATHERFORD	ECA
64352	KIMBERLY	MODGLIN	COLL STATION	EMT	85301		PEARSON	EL PASO	EMT	73122	MARK	ROYE	PAMPA	EMT
8500 81027	CAROLYN ISABEL	MOLEN MOLINA	LUBBOCK AMARILLO	EMT-I EMT	94864 83482	TRACI HERLINDA	PEDEN PENA	AMARILLO KINGSVILLE SAN DIEGO	EMT ECA	56075 69667	RANDALL WILEY	ROYSDON RUDASILL	SEAGOVILLE ROCKSPGS	EMT ECA
54558 59074	MARIA STEVE	MONK MONTGOMERY	EL PASO	EMT-P EMT	93992 76464	NORBERTO TINA	PENA PENNARTZ	SAN DIEGO WICHITA FALLS	EMT	60072 97594	ROBERT	RUIZ R RUNDQUIST	BISHOP HOUSTON	EMT ECA
88675 59502	TERI	MONTGOMERY IN	GRUVER	EMT EMT	93603 100189	JOSE DAVID	PEREZ PERIN	PREMONT TABER	EMT EMT	64913 77606	CRAIG TONY	RUSH RUSK	FT BLISS FRITCH	EMT ECA
23944	BRYAN	MOODY	DEER PARK	EMT-I	23592	LISA	PERKINS	IOLA	EMT-P	59035	DON	RUSSELL	BORGER	EMT-I
7119	DONALD	MOON	BIG LAKE	EMT-I	59251	ANDREW	PETERS	GREENVILLE	EMT	59879	MARNI	RUTKOPSKY	DALLAS	EMT
58699 81293	KEVIN CHRISTOPHE	MOONEY	HOUSTON BOWIE	EMT EMT	96298 92387	BARBARA SHAWN	PETERSON PETTY	CASTRO VALLEY EL PASO	EMT	10310 58470	MICHAEL RENE	RYAN SALINAS	TERLINGUA PORT LAVACA	EMT ECA
76572 91823	JACKIE JO	MOORE MOORE	RIVERSIDE THORNTON	EMT EMT	92932 59558	HANNA DAWN	PHILLIPS PHILLIPS	WACO CELESTE	EMT EMT	94347 1052	JOSEPH RICHARD	SAMP	BONHAM	EMT
49102	MARY WILLIAM	MOORE MOORE	LUCAS SAN ANGELO	EMT	55869	ANITA	PIERCE	GEORGE WEST	EMT-I	60077	JANET	SAMUELS SANCHEZ	DEWEYVILLE WACO	ECA ECA
79493 77460	DAVID	MOORE III	DEER PARK	EMT ECA	2370 54392	CHRISTINA MICHAEL	PIERCY PIERSON	AUSTIN HOUSTON	EMT-P ECA	86238 59930	YVONNE ANDRES	SANCHEZ SANDOVAL	PREMONT PASADENA	EMT ECA
62188	JOHN	MORALES	LAREDO	EMT	71800	RORY	PILKINGTON	SANTO	EMT	59241	STEVEN	SANTOS	ADKINS	EMT
76153		MORENO	EL PASO	EMT	5788	GEORGE	PIRTLE SR	LAKE JACKSON	ECA	64868	MICHAEL	SARABIA	BERWYN	EMT
24285	RAYMOND	MORENO	HOUSTON	ECA	74419	DEBORAH	PITTS	TROY	EMT	14732	ROBERT	SAUNDERS	TYLER	EMT-P
96755	ALBERT	MORGAN	MABANK	ECA	89139	DANIEL	PLATE	KINGWOOD	EMT	76454	JOSHUA	SAVOIE	BEAUMONT	EMT
66737 72745	PAUL MINDY	MORKOVSKY MORRIS	SHINER TAYLOR	ECA EMT	62211 59463	MATTHEW MARK	POMFRET POOL	SPRING LAPORTE	ECA ECA	69267 46306	KIMBERLY DAREN	SCHAEFER	H FORT WORTH	EMT EMT
72004 56774	DARRYL GENE	MORRIS MORRIS	GLEN ROSE GARLAND	EMT-P	80553 88484	JOHN DAVID	PORTER PORTER	AMARILLO NACOGDOCHES		75952 59271	TIMOTHY JASON	SCHINDLER SCHMIDT	SCHERTZ HOUSTON	EMT EMT
51541	VICKIE	MORRIS	MARQUEZ	ECA	96288	DENISE	POTRAMENT	TEMPLE	EMT	53222	ALISON	SCHOUVELLER	ASHEVILLE	EMT-P
17968	DAVID	MORRIS II	MARQUEZ	ECA	70705	DARWIN	POTTER	POOLVILLE	ECA	97849	DAVID	SCHRUM		EMT
65550 76543	EARL LEE	MORSE MORTON	MAGNOLIA GEORGE WEST	ECA EMT	54597 27139	JAMES	POURCHOT JR	GANADO ALVIN	EMT EMT	97565 66710	COY SYLVIA	SCHUBARTH SCHUBARTH	BRIDGE CITY BRIDGE CITY	EMT EMT
54701	WILLIAM	MORTON	BAYTOWN	ECA	23107	THERESA	POWELL	AUSTIN	EMT	21941	BOBBY	SCHULTZ	HEMPHILL	ECA
9165	LELAND	MOSS	GARLAND	EMT	57908	THOMMIE	PRATT	FORT WORTH	EMT	97579	HEIDI	SCHULTZ	CANYON LAKE	EMT
43051	JODIE	MOSTELLA	LLANO	EMT-I	60812	NEALY	PRESSLEY	HIGHS	EMT	43214	RONALD	SCHULZ	AMARILLO	EMT-P
59285	JOHN	MOWATT	MABLETON	EMT	68563	DIANNA	PRICE	CANYON	EMT	58444	NELSON	SCHULZE	COPPERAS COVE	EMT
92073	JO	MOYE	BATSON	EMT	50588	TRACY	PRICE	FLINT	EMT-I	32930	STEVEN	SCHULZE	GIDDINGS	EMT
40730	GREGORY	MUEHR	CONROE	EMT	79157	RACHEL	PRINCE	COMBINE	EMT	83610	JIMMIE	SCHUMACHER	JR BURLESON	EMT

33418	SHAWN	SCOGGINS	IRVING	EMT-P
43862	THERESA	SCOTT	FAIRFIELD	EMT
72809	WILLIAM	SCOTT	HITCHCOCK	ECA
86314	STEVEN	SEARS	MILLSAP	ECA
75225	JAMES	SEATON	TYLER	EMT
17131	SHARI	SEEBECK	SAN MARCOS	EMT-I
45179	KIMBERLY	SEIDER	COMANCHE	
60056	HENRY	SEWELL JR	WACO	ECA
26208	BRIAN	SHACKELFORD	CORINTH	EMT
57026	RIEGETT	SHAFFER	ALBUQUERQUE	EMT
47676	WENDI	SHANAHAN	PARKER	EMT
99494	JENNIFER	SHANNON	SPRING	EMT
95194	KENNETH	SHARP	FORT WORTH	EMT
5150	HUGH	SHAW	HOUSTON	
5394	MARK	SHEAK	LAKE JACKSON	EMT EMT
75020	JAMES	SHEFFIELD	TOMBALL	EMT-P
34774	SARAH	SHELLENBERGE	R MIDLAND	
62545	RUTH	SHELOR	HOUSTON	ECA
62261	KAREN	SHELTON	AUSTIN	EMT
90035	LYNDA	SHELTON	BROWNSVILLE	EMT
30615	KIMBERLY	SHERMAN	MART	EMT
59236	IOSE	SHERRELL	BAYTOWN	ECA
59931	KEVIN	SIFFORD	SINTON	EMT
78712	JOSE	SIFUENTES	EL PASO	ECA
61392	KEVIN	SILVA	MIDLAND	EMT
74034	DONALD	SIMON	WINNIE	EMT
70214	JERMAINE	SIMPSON	CEDAR HILL	EMT
76352	JAMES	SIMS	SHEPHERD	EMT
7190	KENNETH	SIMS	LEAGUE CITY	EMT
86565	TAMMY	SIRES	MIAMI	EMT
73318	PEGGY	SKAINS	CAMPWOOD	EMT
82260	LUDIVINA	SKAPURA		EMT
76428	SUSAN	SMILEY	CORP CHRISTI STEPHENVILLE	EMT
11802	AZEMY	SMITH	WOODSBORO	EMT
96436	CAREY	SMITH	HUNTSVILLE	EMT
81229	CAROL	SMITH	WELLS	EMT
79250	DAWN	SMITH	HOUSTON	EMT
76041	FREDERICK	SMITH	MONTGOMERY	EMT
90048	JOHN	SMITH	DUMONT	ECA
87359	LARRY	SMITH	ABILENE	EMT
68475	WILLIAM	SMITH	SMITHVILLE	ECA
64733	ALICIA	SMITH	FORNEY	EMT
37833	BERTRUM	SMITH	LAMARQUE	EMT
58781	JESUS	SMITH	EL PASO	EMT-I
8917	SEAN	SMITH	HARLINGEN	
58828 80439	DARRELL TAMELA	SMOTEK SOILEAU	BRYAN	EMT
94163	AMY	SOUTHERN	BRIDGE CITY FORT WORTH	EMT EMT
75223	JASON	SOUTHERN	FORT WORTH	EMT-I
36235	SHARON	SPARKS	VANDERBILT	
5246	KENNETH	SPERRY	HARK HEIGHTS	EMT
284	KELLY	SPRAGUE	BRYAN	EMT
80838		STACY	MIDLAND	EMT
84197	DAVID	STADLER	AMARILLO	ECA
31259	RONNIE	STAILEY	AUSTIN	ECA
93064	MARK	STALLINGS	LAKE JACKSON	ECA
72104	JOHN	STEARNES III	STEPHENVILLE	EMT
97433	JOYCE	STEELE	KERVILLE	EMT
11630	LYNN	STEFEK	TAYLOR	EMT-P
56361	RUSSELL	STEINBERG	ARLINGTON	
23777	THOMAS	STENGEL	DOSS	EMT
6464	JAMES	STEPHENS	HOOKS	EMT
67245	TRUITT	STEPHENS	CARTHAGE	EMT
59663	CATHERINE	STEPHENSON	NEW HAMPTON	ECA
7882	BILL	STEWARD	HONEY GROVE	EMT
93419	JIMMY	STEWART	HOUSTON	EMT
82262	RONDA	STEWART	STERLING CITY	EMT
81709	JOE	STIFFLEMIRE	TAYLOR	EMT
59756	LANNY	STONE	BERTRAM	ECA
56394		STOVALL	CHIRENO	EMT
18920	STUART	STRACK	HOUSTON	EMT-I
59561	LUCAS	STRAWN	PRINCETON	EMT
89663	MELISSA	STRIEBER	NORDEIM	
95204	PATRICIA	STRIEBER	YORKTOWN	ECA ECA
16749 33646	DEANN	STRINGER	ARLINGTON CORP CHRISTI	EMT-P
55402	BOBBY	STULCE	MANSFIELD	EMT
98816	RONALD	STURCHIO JR	MISSION	EMT
65880	MARK	STURZL	FORT WORTH	EMT
60106	BILLY	SULLIVAN	BRUCEVILLE	
26735	PAULA	SUMMAR	NAPLES	ECA EMT
72569 73368	TRUDY	SUNDIN	WARING GRAND PRAIRIE	ECA EMT
55710	RONALD	SWENSON	EL PASO	EMT
70506	ROWENA	SWETISH	TEMPLE	EMT
100106	ROBBI	SWYHART	AUSTIN	EMT
92203	KENNETH	SYKES	MAUD	EMT
28231	GARY	SYKORA	ODEM	EMT
41368	LYNDA	TALLEY	AUSTIN	EMT
68672	IOANNA	TAORMINA	GALVESTON	EMT
14590	KEITH	TATE	TYLER	EMT-P
44537	VICKY	TATSCH	HARPER	EMT
58449	WESTLEY	TAYLOR	VICTORIA	ECA
58478	ROMONA	TAYLOR	KENNER	EMT
42479	MICHAEL	TEMPEL		EMT-P
55054	MICHAEL	TERRY	JACKSONVILLE	EMT
53361	TODD	TERRY	UNIVERSAL CITY	EMT-P
1150	SANDRA	TESCH	AUSTIN	EMT
36327	STACY	THARP	BRYAN BOVINA	EMT
45478	LAVERNE	THATCHER	PLANO	ECA
59848	EMILY	THIEL		EMT
91502	MICHAEL	THOMAS	CRANDALL	ECA
79059	PAUL	THOMAS	DALLAS	EMT
94710	SHARON	THOMAS	ORANGE	EMT
81920	MARK	THOMAS	BURNET	ECA
58562	TATUTAL	THOMAS		
	MARK	THOMAS	SPEARMAN	EMT
87162 49228		THOMAS THOMAS THOMAS	BIGGS AAF WEATHERFORD	EMT EMT EMT

92731	WILLIAM	THOMAS IR	SPRING	EMT
96119	DEBORAH	THOMPSON	DALLAS	EMT
8663	GAYLORD	THOMPSON	FRITCH	ECA
69544	RONALD	THORNTON	CHIRENO	ECA
3162	PAUL	THRONBURG	MART	EMT-
55063	KATHRYN	THRUSH	COLL STATION	EMT-
65515	ALLEN	THULEN	BELLMEAD	ECA
64363	DANIEL	THURSBY	FERRIS	EMT
95890	MIKE	TIJERINA	WEBSTER	ECA
59593	ROBERT	TOLLENAAR	SACHSE	EMT
52739	HENRY	TOOKE	HIGH	EMT
90265	ROBERT	TORRES	MCALLEN	ECA
93547	ENRIQUE	TORRES	ALAMOGORDO	EMT
99995	VINCENT	TORTORANO	DALLAS	EMT
94707	TROY	TOUCHET	PORT ARTHUR	ECA
59031	IOE	TREPANIER	BENJAMIN	ECA
69125	IOHN	TREVINO	BROWNSVILLE	EMT
80933	ALTON	TRUELOCK	PADUCAH	ECA
53035	CRISTINA	TRUMAN	WACO	EMT-
79568	PAIGE	TUCKER	AUSTIN	EMT
62994	SCOTT	TUCKER	FAYETTEVILLE	EMT
73740	PATRICK	TUMLINSON	SAN ANTONIO	ECA
88178	TODD	TURNER	FORT WORTH	EMT
85315	ANDREW	TURNER	PASADENA	ECA
51039	SHERRI	TURNER	PORTER	EMT-
79910	EDWARD		THERLAND SPGS	EMT
81322	GLENN	UNDERWOOD	WINK	EMT
58498	TOMMY	UPCHURCH	VICTORIA	ECA
74665	MONICA	VALENZUELA	EL PASO	EMT
70243	JOHN	VALLEJO	HURST	EMT
68769	MICHAEL	VASQUEZ	OZONA	EMT
89415	SARA	VASQUEZ	SAN BENITO	EMT
71559	STEVE	VASQUEZ	CYPRESS	ECA
91802	QUIN	VAUGHN	DUMAS	EMT
80167	TRENA	VAUGHN	MC CAMEY	EMT
97607	SUSAN	VAUGHN	PLANO	EMT
65582 59512	SANTOS	VEGA	WESLACO	ECA
85355	ROSICELA AMY	VELEZ VERLANDER	COPPERAS COVE AUSTIN	ECA
73813	IUVENTINO	VILLARREAL	MC ALLEN	ECA
59217	PHILIP	VONDERHEYDT		EMT
64532	MONA		WICHITA FALLS	ECA
96500	MYRON	VONDIELINGEN	WICHITA FALLS	ECA
86530	HEATHER	VOORHEES	ARLINGTON	EMT
87142	RANDALL	VOORHIES	FORT WORTH	EMT
48436	MORIS	WAGUESPACK	RICHWOOD	ECA
4491	WARREN	WALDRUP	ELGIN	EMT-
89925	ERIC	WALKER	RICHARDSON	EMT
61923	MICHELLE	WALKER	HOUSTON	EMT
58906	SHANE	WALKER	COLL STATION	EMT
86520	STEPHEN	WALKER	TEMPLE	EMT
87339	SUSAN	WALKER	GRAFORD	ECA
85864	WILLIAM	WALKER	HOUSTON	EMT
1611	LLOYD	WALLACE	CORP CHRISTI	EMT
69881	PAMELA	WALLACE	EDDY	ECA
72263	BRIAN	WALSH	RICHMOND	EMT
19433	COBIE	WALSH	COLL STATION	EMT
100028	ROBERT	WALTERS	FORT BLISS	EMT-
58469	ROBERT	WALTHALL	PORT LAVACA	ECA
70149	CLAY	WALTON	GEORGETOWN	EMT
84951	ROBERT	WARREN	HUNTSVILLE	EMT
96191	RANDY	WASKUL	LEAGUE CITY	ECA
58615	LOYD	WATERS	WHITEHOUSE	ECA
58616	ROGER	WATERS	WHITEHOUSE	ECA
59925	MARY	WATKINS	LA PORTE	ECA
22976	MISTI	WATSON	WEATHERFORD	EMT-
60083 100051	TIMOTHY	WATTS WAZNY	EL PASO	EMT
80173	CAROLYN MELVIN		BEAUMONT	EMT
60093	FREDERICK	WEATHERFORD WEBB	CLINT	ECA EMT
00093	PREDERICK	VV EDD	CLIIVI	EIVII

1563	HERBERT
59753	KENNETH
9254 59792	RAYMOND STEVEN
81160	JEANETTE
62830	JENPIN
29493	GERALD
59812	CASEY
58641 65600	TODD CHANDLER
81136	AARON
37383	JEFFREY
88072 64235	EULA
94205	WESLEY
58211	CONNIE
72264 67809	MICHELLE ANGELA
90790	ROBERT
52255	JAMES
88179	STEPHANIE
70949 35463	EARNEST SHELDON
87238	ALAN
74294	CARL
67378 79399	DELWYNN
13960	MARY RONALD
88942	CHARLES
90710	JANICE
34775 75339	KEVIN MARVIN
62484	SUSAN
74576	BOBBY
74487 11286	JODY JAMES
66179	PATTIE
75043	ROBERT
58696 84275	TIMOTHY JAMES
59589	IOSH
50751	KENNETH
83862	CARLA
67187 75923	KAYLA JENNIE
8483	BECKY
38541	DONALD
59901 38195	MICHAEL CYNTHIA
95656	CASSIE
83401	DARREN
23682 84681	DOUGLAS ELIZABETH
86288	JASON
89958	JERRY
80057	STANLEY
68733 87323	DEBRA JILL
30709	JASON
71528	THERESA
58995 79351	TRAVIS LAURA
64215	DANIEL
73781	IASONI
94365 87813	JOHN
78130	ROBERT KAREN
9715	ROBERT
87518	RUSSELL

GRAHAM BRIDGE CITY PORT NECHES ECA EMT EMT WEIMER WELCH JR WELDON PASADENA **EMT** WENG WENIGER SAN PEDRO SEGUIN EMT-P SCHERTZ. **FMT** FRISCO RICHWOOD SAN ANTONIO DEER PARK WESTBERG WESTJOHN ECA EMT WHATLEY SR **EMT** ECA ECA EMT WHIPKEY WHIPP SANFORD ROUND ROCK WHITAKER AUSTIN MUNDAY DENTON EMT EMT PLANO **EMT** WHITE WICK WICKHAM ATASCOSA COLUMBUS CARRIZO SPGS **EMT** WIGGINS WIGINTON WILCHER PEARLAND EMT ALICE PALESTINE EMT EMT DICKINSON EMT LOGANSPORT NACOGDOCHES REFUGIO WILLIAMS WILLIAMS ECA ECA WILLIAMS WILLIAMS PONDER EL PASO EMT ECA EMT ECA EMT WILLIAMS WILLIAMS WILLIAMSON FRITCH WIMBERLEY AMARILLO PFLUGERVILLE WILLIARD LOCKNEY **ECA** EMT EMT EMT MOODY ARLINGTON SAN MARCOS WINDLE CEDAR HILL EMT WINEGARNER WINES WINNEGAR SPEARMAN CONROE GRAND PRAIRIE CRYSTAL BEACH EMT ROCKSPGS ECA LAGO VISTA EMT LUFKIN EMT WINTERS WIPFF WITCHER WOMACK EMT EMT HOUSTON WOOD WOODALL WOODS HEMPHILL CYPRESS ORANGE **ECA** EMT WORK WOYTEK WRIGHT MESQUITE HALLETTSVILLE POOLVILLE **EMT** WRIGHT KEELING EMT WRIGHT WRIGHT LA GRANGE BURLESON WRIGHT DUBLIN **EMT** HITCHCOCK EMT WYATT YARBROUGH CANYON LAKE LAKE JACKSON EMT EMT EL PASO EMT GRAND SALINE FORT WORTH MC ALLEN EULESS **ECA EMT** ZAPF ZEMANEK LAPORTE BRYAN **EMT**

WEIGHKNECHT INGELSIDE

WELLS

WEST

WHITE WHITE

WHITE

WILKIN

WILSON WILSON WILSON

WILSON

WILSON WILSON

WOOD

WULF

YELDER

YOKEM YOUNG YOUNG

YOUNG

YOUNG

New complaint hotline

(800) 452-6086

Anyone with a complaint against a provider or certificant can call (800) 452-6086 to report it. The hotline is staffed Monday through Friday, 8 a.m. to 5 p.m.; during other hours, leave a message and your call will be returned.

This hotline is for complaints or CISM calls only.



Want the hottest EMS technology? Come to the EMS Technology Conference. February 12-13, 1998

Disciplinary Actions

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

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

FOR INFORMATION, CONTACT THE BUREAU'S CHIEF INVESTIGATOR, VIC DWYER, AT (512) 834-6700.

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

*Boswell, Bart Paul, Houston, Texas. 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.

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

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

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

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

*Corson, Kevin Patrick, Santa Fe, Texas. Twelve months probation of EMS Examiner certification through July 23, 1998. EMS Rule 157.53(e)(1), failure to conduct skills proficiency verification in an objective manner according to criteria and standards established by the department for each skill examined.

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

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

Creel, Joel Lamar, Houston, Texas. One year probation of EMT certification through July 30, 1998. EMS Rules 157.44, 157.51(b) and (c), and 157.53, misdemeanor conviction.

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

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

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

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

*Dollar, Stace Douglas, Lubbock, Texas. Denial of RN equivalency at the EMT-Paramedic level and decertification of EMT certification effective October 27, 1997. EMS Rules 157.44, 157.51(b)(16) and (26), misdemeanor conviction while certified and falsification of application for EMS personnel certification.

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

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

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

Gassaway, Douglas Ray, Blum, Texas. Emergency suspension of EMT certification. EMS Rule 157.51(a)(1)(A), imminent danger to public health or safety.

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

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

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

Hartwick, John Paul, Charleston, South Carolina. Decertification of EMT certification effective July 23, 1997. EMS Rules 157.51(d) and Article 6252-13c Sec. 4(e), convicted by military justice while certified.

*Hippe, Richard S., Flint, Texas. Twelve months probation of EMT-Paramedic certification through August 1, 1998. EMS Rule 157.51 (b)(11), appropriation and/or possession without authorization of medications, supplies... inappropriately acquired in the course of duty.

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

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

Jordan, Richard Todd, Friona, Texas. Twenty-four months probation of EMT certification through August 27, 1999. EMS Rules 157.44,

157.51(b) and (c), and 157.53, misdemeanor conviction.

*Jordan, Ricky Lynn, Ennis, Texas. Decertification of EMT-Intermediate certification effective October 10, 1997. EMS Rules 157.44, 157.51(b)(16) and (26) and 157.51(d), misdemeanor conviction while certified and falsification of an application for EMS personnel certification.

King, Dan S., Burkburnett, Texas. Twelve months probation of EMT certification. Health and Safety Code 773.063, knowingly practicing as an EMT without EMS certification.

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

*Maldonado, Ceasar Guillermo, Devine, Texas. Decertification of EMT certification effective October 10, 1997. EMS Rules 157.44, 157.51(b)(16) and (26) and 157.51(d), misdemeanor convictions while certified and falsification of an application for EMS personnel certification.

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

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

*Medical Transport Service, McAllen, Texas. Revocation of EMS Provider license. EMS Rule 157.24(e)(1)(A)(B)(C), failure to have liability insurance.

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

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

*Padron, Michael L., McKinney, Texas. Twelve months probation of EMT certification through October 31, 1998. EMS Rules 157.44, 157.51(b) and (c) and 157.53, felony conviction and misdemeanor conviction.

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

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

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

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

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

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

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

*Simmons, R. Brent, Houston, Texas. Decertification of EMT-Intermediate certification. EMS Rule 157.51(b)(25), jeopardize the health and safety of a patient, the public or other EMS personnel.

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

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

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

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

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

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

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

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

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

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

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

Meetings and Notices

Calendar

January 28, 1998. **12-lead ECG Class.** Paul Rosenberger, Baylor Medical Center at 817/329-2815.

January 28, 1998. **Paramedic Course**. Offered on "A" shift. \$1,500. Includes ACLS, PHTLS, PALS. Internship at DFW area hospitals and MICUs. For information call Metrocrest Medical Services 972/484-1158.

February 9-18 & 10-19, 1998. BTLS classes. \$75. Tyler Junior College. Call 903/510-2236 for registration information.

February 13 and February 27, 1998. **ACLS Class.** Paul Rosenberger, Baylor Medical Center at 817/329-2815.

February 17, 1998. EMT-Basic Course. For information call Metrocrest Medical Services 972/484-1158.

February 18-19, 1998. EMS Instructor Class. \$75. Tyler Junior College. Call 903/510-2236 for registration information.

February 19-22, 1998. Disaster '98 - Assessing the Threat to Your Community. Orlando, Florida. Call 407/281-7396.

February 21, 1998. The Concho Valley EMS Expo '98. Angelo State University Ballroom. \$20. Nationally known speakers. EMS Expo line 915/947-6181.

April 9-10, 1998. **BTLS Class.** Paul Rosenberger, Baylor Medical Center at 817/329-2815.

Meetings and advertisements deadlines and information

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

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

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

March 2, 1998. EMT-Basic Course. For information call Metrocrest Medical Services 972/484-1158.

March 20-22, 1998. The 15th Annual Georgia Extrication School. For information contact Marty Billings or Kathy Stocum, Northeast Georgia Region 10 EMS, 468 North Milledge Ave., Ste. 100, Athens, GA 30601-3808 or call 706/542-9500 or fax 706/227-7960.

April 1-13 & 2-14, 1998. PPPC Courses. \$75. Tyler Junior College. Call 903/510-2236 for registration information.

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

Jobs

EMTs, Paramedics, Field Training Officer: Rural/Metro Ambulance. Generous benefits package. Qualified individuals should apply at: 201 McKenzie, Ste. 115, Carrollton, TX 75006; for more information call 972/263-7268.+

Paramedic: The City of Harker Heights is accepting applications for dual certified paramedic-firefighters. Advanced protocols and procedures. Health and retirement plan. Starting salary \$23, 426 plus incentives. Send resume to: Harker Heights Fire Department, attn: Captain Philen, 401 Indian Trail, Harker Heights, TX 76548.+

EMS Director: The City of Dublin is seeking a qualified applicant to provide leadership and direction for day-to-day EMS operations. In charge of EMS personnel and management of all related fields of EMS and financial matters. Must be a paramedic with at least 2 years of field experience and possess current ACLS, PALS, and BLS certification. Salary depends on qualifications. Send resume to: City of Dublin EMS, 213 East Blackjack, Dublin, TX 76446.+

Paramedics: Hull-Daisetta EMS, a rural 9-1-1 service is accepting applications for paramedics. Send resumes to: Hull-Daisetta EMS, PO Box 351, Hull, TX 77564 or e-mail emsmcmichael@imsday.com+

Paramedics, EMTs, dispatchers, billing specialists: Life Line Universal Transport, Inc. Offers exciting work environment and an excellent benefit package. We are seeking self-motivated individuals certified in Texas with a good driving record. Please call

(281) 970-2273 or fax your resume to (281) 970-1726.+

Paramedics and EMTs: Needed for new shifts in Houston area. 48-60 hour weeks. Call bonuses/quarterly bonuses/23-25K. Send resume to Thomas Ambulance, 4527 Spring Cypress Road, Spring, TX 77388 or call 281/353-4949.+

BLS Instructors: 10 positions in the Dallas area. Send resume to: Steve Cutler, Metroplex Medical Training, 3637 Trinity Miles Road, Ste. 414, Dallas, TX 75287.

Paramedics: Calhoun County EMS is a MICU 9-1-1 provider. Salary \$23,362 located in Port Lavaca, Texas. Call 512/ 552-1140 or write Carl King at 216 E. Mahan St., Port Lavaca, TX 77979.*

EMT-I or EMT-P: Needed for slow-paced small rural service. Salary based on experience. Send resume to Hardeman Co. EMS, Box 30, Quanah, TX79252. For more information call 940/663-2911.*

EMTs and Paramedics: Olney EMS is accepting applications for full time positions. Salary based on experience. Send resume to Gib Wright, Olney EMS, PO Box 158, Olney, TX 76374. Phone 940/564-5521 or fax 940/564-2188.

Paramedic: Alpine EMS/WTAS has immediate openings for paramedics. EMS provides MICU service for city/county 9-1-1 calls and hospital transfers. Contact Alpine EMS, PO Box 338, Alpine, TX 79831 or call 915/837-3028.*

EMS Director: Dimmit County EMS is seeking a qualified applicant to provide leadership and direction for day-to-day EMS operations. In charge of EMS personnel and management of all related fields of EMS and financial matters. Must have strong administrative and financial skills and experience in EMS protocol. Benefits and salary depending on qualifications. Only qualified applicants need apply. Send resume to Dimmit County EMS, PO Box 341, Carrizo Springs, TX 78834.*

EMS Director: Manager of busy department serving Hopkins County Memorial Hospital. Averages 2,250 calls a year. The director should be a certified paramedic with 3-5 years of MICU experience and 2-4 years of progressive management experience. Competitive salary and benefits. Contact Don Magee, Administrator, Hopkins County Memorial Hospital, PO Box 275, Sulphur Springs, TX 75483 or call 903/439-4051.*

EMT-I or EMT-P: Seymour/Baylor County EMS. Hospital-based service looking for qualified person with at least

Meetings and Notices

1 to 2 years experience. Rural area serves 4,200 population. Send resume to: Lou Schafer, SBC EMS, 200 Stadium Dr., Seymour, TX 76380. For information call 940/888-5351 or fax 940/888-3337.*

Firefighter/Paramedic: Kerrville, \$1,976/month. Certified firefighter/paramedic. City pays 80% of family health insurance. Apply to City of Kerrville, Personnel Dept., 800 Junction Hwy, Kerrville, TX 78028 or fax 830/792-3850. Call 830/257-8000 for more information.*

Paramedics and registered nurses: Entry level flight positions, both helicopter and fixed wing, now available nationwide. Send check or money order for \$12 to receive the latest AirMed Services Employment Directory. Air Medical Resources, PO Box 292753, Lewisville, TX 75029-2753.*

Regional Director: Houston area. Duties include marketing BLS courses. Must be CPR instructor. EMT or EMT-P, TDH-certified. Must live in the Houston area. Send resume to: Steve Cutler, Metroplex Medical Training, 2429 E. Hwy 80 #101, Mesquite, TX 75750.*

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

Paramedic: With national registry certification to conduct NREMT-P review courses. Must be willing to travel. Resume: Metroplex Medical Training Services, 2429 E Hwy 80, #101, Mesquite, TX 75150 or call 800/583-0097.*

for Sale

For Sale: Two-1994 Type II Ford ambulances and a 1993 Type III ambulance. Very good condition. Call Manuel at 512/851-8422.+

For Sale: EMT, EMT-I, EMT-P needed. Full or part-time positions. Dallas, Houston and San Antonio areas. Send resumes to: AHC, PO Box 948, Lancaster, TX 75146.+

For Sale: Simulaids casualty moulage kit. Contains everything necessary for realistic looking injuries, used only once \$450.

For Sale: (2) Maxon 16 ch UHF mobile radios 450-470 Mhz excellent condition \$250 each. Maxon desk mic new in box,

\$45. Icom F40LT UHF hand held, 99 channel alpha keypad, includes 1 hour fast charger and programming software, \$425. S. Carson 817/232-5801.+

For Sale: Protocols, BLS and ALS written to your specifications, American Heart Association. ACLS and BTLS standards. Sheet or computer disk. For more information contact Kay or Greg McMichael at 409/298-3204 or fax 409/298-2831.+

For Sale: (2) Marquette 1500 AED/defibrillators. Purchased new in 1993, software upgrade in 1996. Pacer, manual override, with simulator/tester. \$5,000 each. Contact Chris Israel at Brazoria Fire Dept. 409/798-4275.+

For Sale: 1994 ambulance, International Series 4700. 406 diesel engine, dual compressor air conditioning. Minimum bid \$50,000. Contact Mike Stillwell, Fleet Service, City of Carrollton, TX, 972/466-3492 or fax 972/466-3486.+

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

For Sale: 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.+

CPR manikins for rental use: for the Corpus Christi and San Antonio area. Please call Metroplex Medical Training Services at 1-800/583-0097.+

BLS or ALS equipment for rental use: CPR classes available in the San Antonio, Corpus Christi and Austin areas. Please contact Steve Cutler at 800/

583-0097 or 972/270-0857.+

Billing: Alexander Consulting, Inc., state-of-the-art billing system is designed to increase your cash flow, and give you more time to focus on growth and service. Call 210/344-9444, 888-991-9444 or fax 210/344-9777.+

Ambulance billing: Electronic billing for medicare and commercial insurances. Call or write 888/282-9203, Elite Billing Services, PO Box 948, Lancaster, TX 75146.+

Business Opportunity: If your background is in EMS? Do you have the desire to own your own ambulance company in your area of service? If the answer is yes, please send a letter describing your transfer service background, your service area and your updated resume to PO Box 2586, Spring, TX 77383. Attn: Roy Peeples.+

Exam Study Guide: Firefighter or paramedic exam study guide. Written for Texas firefighters and paramedics. Mail checks or money order for \$19.99 to: TQE, 2603 N. Arkansas Ave, Suite 6, Laredo, TX 78043.+

Classes: Metrocrest Medical Services Education Department offers CPR classes each week. 40-hour ECA courses, CE packets by mail/\$5 per hour. For information call 972/484-1158.+

Accepting Bids: Shackelford County Hospital District is now accepting bids for management of Small County Wide Ambulance Service. Averages 300-350 calls a year. The district owns two units. Contact SCHD at 915/762-3313, Diedre Stewart, Steve Hobbs, EMT-P, or Jeriami St. Clair, EMT-P, for more information.

- + This listing is new to this issue.
- * Last issue to run (If you want your ad to run again please call 512/834-6748.)

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Profile: Camp County EMS



Members of the Camp County EMS are (front row and left to right): Jae Elwell, EMT-P; Chris Currey, assistant director; Brenda Brabaw, EMT-P; Lcurisa Thompson, EMT-B; and Mike Reynolds, EMT-P, director; (back row) Daryl Mochman, EMT-P; Michael Hooper, EMT-P; Robbie Moore, EMT-P; Lonnie Tarrant, EMT-P; Willie Mitchell, EMT-P; and Tom Bridges, EMT-P.

Name Of Service: Camp County Emergency Medical Service

Areas Of Service: CC- EMS serves the city of Pittsburg (pop: 4,000) and the County of Camp (pop: 9,904), which

Bureau of Emergency Management Texas Department of Health 1100 West 49th Street Austin, Texas 78756-3199 Periodical Rate Paid At Austin, Texas includes parts of Hwy. 271, three rural communities, and a portion of Lake Bob Sandlin. The city of Pittsburg is located on Hwy. 271 between I-30 at Mount Pleasant and I-20 at Tyler.

Number Of Personnel: CC-EMS has eight full-time personnel, including six paramedics and one intermediate, and ten part-time personnel. CC-EMS has four MICU ambulances, with three staffed from 7am to 7pm, and two staffed from 7pm to 7am.

Years In Service: CC-EMS has been in service since 1979.

Number Of Calls: CC-EMS responds to 150-200 calls per month.

Favorite EMS Activity: Six of CC-EMS personnel are certified CPR instructors and offer several free courses each year to the community and school district. CC-EMS is also active in the local school district, presenting 9-1-1 safety programs along with DWI awareness programs.

Current Projects: CC-EMS is working toward educating the community in the importance of early 9-1-1 access when there are signs and symptoms of heart attack, stroke and other life threatening emergencies. CC-EMS also works closely with the local school district to find new ideas and programs to help lower the uses of drugs and alcohol.