

exciting changes for IEMSA

by IEMSA President, Jeff Messerole

It is time again to reflect on the many changes occurring in EMS and the Iowa EMS Association is no different. I am pleased to announce that the Iowa EMS Association, your voice in EMS, has hired Gary Ireland, as it's executive director. As you know Gary is no stranger to EMS, recently retiring as the Bureau of EMS Chief, a position he held for the last 15 years. Gary comes to the Association with a wealth of understanding on the legislative process, and contacts within the system that will prove to be beneficial. The Associations' board of directors is looking forward to moving the Association to that next step, and Gary is the impetus to get us there. Welcome Gary!

The Association has partnered with the Bureau of EMS to provide adult and pediatric approved AED's to Iowa communities through the awarding of a federal grant. If awarded, the grant would allow the purchase of 60 adult/pediatric AED's to be placed into qualifying service programs that would then recycle their existing adult AED's to law enforcement or other community entities. EMS services will be able to provide a higher level of care for their pediatric patients.

The Bureau of EMS is extremely active implementing the additions and changes to the administrative



rules, protocol revisions, disaster preparedness, and critical care transport to name a few.

The Iowa EMS

Association, your voice in EMS, is actively, collectively, and collaboratively working with the Bureau of EMS as your advocate of these new changes. If you are unaware of the many positive changes occurring within the Bureau of EMS, please contact your regional state representative. If you have concerns and would like to voice them, a proper venue is through your association, IEMSA. Contact your regional board member or email us through our web page and let us know your thoughts so we can better represent you.

This July as we reflect on our liberty and freedom let us know in our hearts that we are part of a great nation. A nation that has endured through and risen to every occasion, victorious in the end, but not without a cost. The cost of freedom is high. The freedom to choose is what makes this nation so great. Choosing a profession that puts you in danger with each emergency call is one of those choices we as a nation of free people can exercise. Those who choose this

The Association has partnered with the Bureau of EMS to provide adult and pediatric approved AED's to Iowa communities through the awarding of a federal grant.

What's Inside

- **2002 IEMSA Annual Conference Brochure Inside Register by October 31 and Save \$25**
- **Awards Nomination Deadline Extended. Nominate a Deserving EMS provider/instructor/service by October 4th**
- **AT-LARGE Election Nomination Form -- Get involved. Nominations due by September 30.**
- **Bone Marrow Donor Drive at the IEMSA Conference**



Gary Ireland, IEMSA Executive Director
We lost one of those special people on Friday, June 21 following a helicopter crash in Norfolk, Nebraska. Pat Scollard of Sioux City died pursuing that freedom to

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freedom are truly special people.

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exciting changes—continued

by IEMSA President, Jeff Messerole

choose a profession that put him in danger with every flight. He was a gifted paramedic specialist who loved to help others. He will be sadly missed and fondly remembered.

May you all be safe as you do what you do best. Without special people like you, who unselfishly

and continually give to ensure that others are safe, we would not have the excellent network of EMS systems throughout the state. My hat is off. Take care and God bless.

Your friend in EMS,
Jeffrey J. Messerole PS
President, IEMSA

northwest region report

by Evan Bensley, IEMSA Northwest Region Representative

The Sioux-Lakes EMS Association met on May 28th at the Sioux Valley Hospital in Cherokee. The Board members discussed the EMS Training Grant Applications and encouraged those involved to work closely with their communities on this process. Concern had been expressed about the time commitment necessary for the volunteers to be involved with the grant process. Additional work had been discussed on County-wide Mutual Aid Agreements to satisfy the required contingency plans of each county.

Flip charts on basic first aid measures will be printed once the old copy has been proofed and revised. The first aid flip chart booklets have been popular promotional items for the Sioux-Lakes EMS Association in the past.

A course entitled, "Emergency Response to Terrorism: Tactical Considerations for EMS" will be

held at Northwest Iowa Community College in September. This training will be the only one offered in northwest Iowa at no cost to the participants this fall. This class has been developed by the National Fire Academy and is sponsored by the Iowa Department of Public Health Bureau of EMS and the Fire Service Training Bureau. The program has been developed as a direct result of the September 11th bombing to provide training for all EMS providers in the event of another emergency. The class will be held from 6-10 pm on the evenings of September 9 and 11. The last session will be all-day on Saturday, September 14th from 8 am until 4 pm. EMS providers interested in taking the course should preregister by calling 1-800-352-4907. The student must attend all three sessions to receive credit.

This article will end on a sad note. Northwest Iowa has lost one

of its long time and best-loved Paramedics in a recent accident. Pat Scollard had been a Paramedic for several years with the Siouxland Paramedic Service in Sioux City, Iowa. Pat was killed in a LifeNet helicopter accident on Friday, June 21st in Norfolk, Nebraska. Pat started working for the Siouxland Paramedics in 1982. He also worked on Mercy Air Care before taking his position with LifeNet in Norfolk. Pat has left a wife and two children along with two stepchildren. The flight nurse and pilot were also killed in the tragic accident.

I knew Pat personally for several years. He was working for Siouxland while I was a Paramedic student and we often rode together while completing my ride-time. He was a good friend and he loved his career in EMS. Many friends, family, and co-workers will truly miss Pat.

south central region report

An article published in the summer edition of the American Heart Association's Currents Magazine, recognized the Public Access Defibrillation Program in the City of West Des Moines. The article highlighted the strengthening of each chain in the AHA's Chain of Survival. A combination effort by the City of West Des Moines EMS, the West Des Moines Community School District, Westcom Dispatch Center and the business community helped to make this program a great success. There are currently over 60 Automated External Defibrillators placed in non-traditional locations throughout West Des Moines. In July all major West Des Moines City Buildings were equipped with AEDs. The article can be seen at http://216.185.112.41/currents_issues.html.

bylaw changes

There are sweeping changes to the IEMSA bylaws that are proposed by the Bylaws Committee this year. For those changes to be adopted, the must be approved by the general membership at their annual meeting on Thursday evening, November 14, 2002. They will be published online on our web-site—www.iemsa.net after the August 16th board Meeting. To obtain a hard copy, please contact the IEMSA office at 515-225-8079. For clarification, contact Jerry Johnston, see Board of Directors Listing.

at-large nomination form

It is time to consider your At Large Representative to IEMSA Board of Directors. This is a two year term beginning in January, 2003. This position is presently held by Mark Postma, Executive Director of Medic EMS in Davenport. The following are guidelines for this process, please make note the deadlines.

Nomination Requirements: Active Member of IEMSA two years or more. Nominations will only be accepted by using the format below. **Nominations must be received in the IEMSA office by the end of business on September 30, 2002.**

Upon receipt at the IEMSA office, the ballots will be checked to assure compliance with the nomination process. The nominee's membership status within the association will also be verified. Please complete and return this form by the deadline.

Mail to:

IEMSA AT-Large,

1200 35th Street, Suite 206-11,
West Des Moines, IA 50266

The successful nominations will comprise the final ballot, which will be mailed on October 7, 2002. Those ballots will be due back in the office by November 4, 2002. There will be detailed instructions on the ballot. We urge all with an interest in becoming involved to become nominated.

Your involvement truly does make a difference!

Nominee Name

Company/Service

Address

City/State/Zip

Phone Number of Nominated Individual

Nominee IEMSA Membership Number

Nominator Name

Address

City/State/Zip

Phone Number

Nominator IEMSA Membership Number

Brief 50 word biography of nominee (use a separate sheet if needed):

New Donation Law in Place; Registry Now Open

by Rosemary Adam, At-Large Representative

New legislation affecting the way organ and tissue donors give consent in Iowa became law on July 1. The law will allow any Iowan to give consent for organ and/or tissue donation before death. Previously, the legal next-of-kin was always approached to consent for a loved one's donation.

Any individual's consent for organ and tissue donation that is "not revoked by the donor prior to the donor's death does not require the consent or concurrence of any other person after the donor's death," according to the new law. No person may "revoke or in any way supersede a document of gift that is not revoked by the donor prior to the donor's death."

The new law also includes "good faith" language allowing EMS providers the opportunity to refer non-hospital deaths to the Iowa Donor Network for evaluation of

tissue donation. The law paves the way for EMS personnel in Iowa to refer and share a decedent's name and other personal information with the Donor Network.

"We are excited about the inclusion of the EMS language," said Michelle Kelsey, Development Specialist at Iowa Donor Network. "EMS providers can now help us follow the law and honor a person's donation wishes when a death occurs outside of the hospital setting."

Complementing the first-person consent law is the Iowa Donor Registry, a new avenue for Iowans to list their consent for organ and tissue donation before death. The registry allows anyone to register on-line, via a special telephone number, or through the mail by picking up a donor registry brochure at local driver's license stations.

Although a driver's license or donor card will also be recognized as a legal consent, the registry allows Iowans more options when choosing to donate. "Iowa Donor Network (IDN) believes it is important for the people of our state to not only record their consent for donation in some form, we also believe it is important for people to share their consent with their legal next-of-kin," said Suzanne Conrad, IDN Executive Director.

"The Iowa Donor Registry is the preferred method for recording a donation consent in Iowa. This information can be accessed at any time, in comparison to a donor card or driver's license that may get lost or misplaced at the time of death."

The Iowa Donor Registry can be accessed at:
www.IowaDonorRegistry.org
1-877-366-6742
(1-877-DONOR-IA).



Used Equipment Auction!

Proud IEMSA Corporate Sponsor

MEDIC EMS has equipment that will be sold to the highest bidder. Written bids will be accepted for the following equipment:

- 7 Ferno model 35A patient cots
- 11 Nellcor pulse ox units
- 4 Sager Splints
- 6 LifePak 5 carrying cases
- 1 Natural Gas Kohler Generator, Building Capability, Model 45RZ

You can contact Jerry Williams at 563-323-6806 or e-mail at Williams@medicems.com for further information. *Please send written bids by **October 1, 2002** to:*

MEDIC EMS—Jerry Williams
1204 East High Street
Davenport, IA 52803

calendar of events

by John Copper, NC IEMSA Representative & Booth Chair

September 19– Board of

Directors Meeting - WDM Fire Station, 10:00 am.

October 17– Board of Directors

Meeting - WDM Fire Station, 10:00 am.

November 14– Annual Member

Board of Directors Meeting - Polk County Convention Complex, Des Moines, IA, 7:00 pm. Come early and check out the new expanded exhibit hall and miss the lines by registering early for the conference.

November 14– Iowa Donor

Network Bone Marrow Donor

Drive held from 5:00 pm - 7:00 pm in the exhibit hall at the Polk County Convention Complex, Des Moines, Iowa. The drive will also continue on Saturday from 10:00 am to 2 p.m. For more information contact Melissa Sally Mueller at sallymmm@ihs.org.

treasurers report

May 31, 2002

Checking	\$ 32,026.42
Savings	\$ 30,000.00
Petty Cash	\$ 5.47
Total Current Assets	\$ 62,031.89
Investment	\$ 17,249.26
Money Market	\$ 6,365.50
Total Fixed Assets	\$ 23,614.76
Total Cash Assets	\$ 85,646.65

June 30 , 2002

Checking	\$ 21,727.44
Savings	\$ 30,000.00
Petty Cash	\$ 5.47
Total Current Assets	\$ 51,732.91
Investment	\$ 17,579.24
Money Market	\$ 6,365.50
Total Fixed Assets	\$ 23,944.74
Total Cash Assets	\$ 75,677.65

July 31, 2002

Checking	\$ 24,191.76
Savings	\$ 30,000.00
Petty Cash	\$ 5.47
Total Current Assets	\$ 54,197.23
Investment	\$ 17,579.24
Money Market	\$ 6,365.50
Total Fixed Assets	\$ 23,944.74
Total Cash Assets	\$ 78,141.97

Board Meeting Minutes

Published on the Web Site

Minutes to the April, May, and June Board Meetings are posted on our web site at www.iemsa.net.

If you'd like a hard copy, please contact the IEMSA Office at 515/225-8079, and we'll be happy to mail you one.

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Mark Your Calendars for the
2003 Conference - November 16–18!

iemsa continuing education corner— anaphylaxis and use of the EpiPen®!

CE Directions

Iowa EMS Association members may read through the article, complete the post-test with an 80% success rate and receive 1 hour of continuing education for EMS at the basic and advanced levels through The University of Iowa Hospitals & Clinics, EMSLRC, Provider #18.

Please send the completed post test to: Rosemary Adam

The University of Iowa
Hospitals & Clinics
200 Hawkins Drive
EMSLRC South 608 GH
Iowa City, IA 52242-1009

Further information may be received by calling (319) 356-2599 or E-mailing: adamr@uihc.uiowa.edu

Only IEMSA Members who receive 80% on the post test may receive the 1 hour of continuing education credit. The post test must be received by November 15, 2002.

Let's Begin

Case Study: 9-year-old Frances loves green apples. Or, at least he thinks he does. Frances and his brothers eat several green apples fresh off the backyard tree and while walking to the neighborhood ball diamond, Frances suddenly grabs his stomach, moans and throws up all over Mrs. Jones' sidewalk. As his brothers begin laughing, Frances doubles over and vomits again. He is complaining of his lips tingling and he looks very red. By the time they arrive at the ball field, Frances is in the outhouse with severe cramping and diarrhea. He screams for his brother to call his mom. By the time Mom arrives, Frances is found in severe distress with swollen lips, face and hands with dyspnea and wheezing. He has been incontinent of stool. Nothing like this has ever happened to him before. He's been very healthy except for his "seasonal allergies".

Objectives:

Upon reading this article, the participant should be able to:

- 1) Identify those patients suffering from an allergic reaction, biphasic reaction, and anaphylaxis, especially those with food allergy and discuss the pathophysiology;

- 2) Discuss common foods that create allergic reaction;
- 3) Discuss the use of Epinephrine in the treatment of anaphylaxis, with specific direction to use of the epinephrine auto-injection device by EMT-Basics and Intermediates in the State of Iowa;
- 4) Achieve an 80% on a 10-question quiz to be sent into the sponsoring Training Program.

Introduction

Anaphylaxis is the life-threatening form of allergic reaction. It is sudden, violent and frightening. It may begin with severe itching of the eyes or face, then other symptoms such as vomiting, diarrhea and difficulty breathing. If the reaction is not stopped at this point, the symptoms may become more severe, leading to a drop in blood pressure, loss of consciousness, and even death.

The frequency of fatal and near-fatal anaphylactic reactions has risen over the past several years and is likely to continue to rise. This has been especially true of food induced anaphylactic reactions. As many as one person in every 100 is at risk for this type of reaction and there may be as many as 50 deaths per year – about one a week. Let's first take a look at the pathophysiologic process of an allergic reaction.

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Pathophysiology:

An allergic reaction begins with an allergen (any substance that may cause an allergic reaction) and is tied to the body's immune system. The speed of the allergic reaction depends on the degree of sensitivity the patient has previously developed and the route of exposure: injection, ingestion, absorption, and inhalation. Initial signs and symptoms depend on the speed of the reaction and the target organ. Target organs of anaphylaxis usually include the vascular system, lungs, GI tract, and the skin.

When contact with an allergen occurs, mast cells (make and store histamine) located just outside the small blood vessels and basophils (a form of white blood cell involved in inflammation) in the blood release histamine, SRSA (slow reacting substance of anaphylaxis), heparin, platelet-activating factors, and other chemicals. These substances cause general body blood vessel dilation and leakage of the blood vessels. This dilation and leakage causes both edema of the local tissues and contraction of smooth muscles. Because of the variety of target organs, a wide variety of abnormal tissue responses can occur, depending upon the type of tissue in which the reaction occurs and the speed of the reaction.

In the skin, vessel dilation increases leakage from the vessels and causes general flushing and/or hives (urticaria). Severe itching results from the stretching of the

skin and associated stretching of nerve fibers caused by massive fluid shifts. Fluid leaking from the vessels causes swelling, especially in the mucous membranes of the larynx (stridor), the trachea and bronchial tree (wheezing). If enough fluid leaks, swelling can also occur in the alveoli, causing the crackles or rales of pulmonary edema. The opening of the vessels causes micro-clotting and may be so great that petechia (small hemorrhages under the skin) is formed.

The wide variety of reactions may have an equally wide variety of effects on the skin. Skin may be flushed or have urticaria. Petechia may also be evident. If, however, the skin is not the target organ, the resulting hypoxia may result in a pale or cyanotic skin appearance.

Smooth muscle contraction, in combination with vessel dilation and vessels leaking in the GI tract, may result in stomach cramps, vomiting, and severe diarrhea. In the respiratory tract, the same smooth muscle contraction and vessel leak may cause bronchospasms (wheezing) and laryngospasm (stridor) or respiratory arrest.

The combination of vessel dilation and leaking causes an abrupt fall in cardiac output. The heart rate increases to compensate for this fall – reaching 150-160 beats per minute. Because effects on body systems usually occur simultaneously, the patient in anaphylaxis frequently is profoundly hypotensive with varying degrees of dyspnea.

Return to Case Study: Frances and Green Apples:

A Basic ambulance arrives and finds Frances with pale skin and hives, with petechia over his torso. His BP is 80/40 with a pulse rate of 150 and respirations of 40 and wheezing. Oxygen is administered. Frances' Mom states he weighs 120 pounds and, after consulting with Medical Control, the EMT-Basic administers 0.3 mg of epinephrine via the auto-injector device into Frances' lateral thigh. He is packaged for transport to the local hospital. Within 5 minutes, Frances begins to improve. Wheezing is lessened. BP is 110/70 with a heart rate that remains at 150. He is safely delivered to the local hospital in an improved status.

1 hour after arriving at the local hospital, Frances begins to wheeze and redevelop his original symptoms. What could be happening?

Biphasic Reactions

As many as 25% of people who have an anaphylactic reaction will experience a recurrence in the hours following the beginning of the reaction and require further medical treatment, including additional doses of epinephrine. This delayed reaction is called biphasic – meaning two phases.

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anaphylaxis and use of the EpiPen

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Oral Allergy Syndrome

A relatively new diagnosis, penned by Dr. Anthony Pong in 2000, is called “Oral Allergy Syndrome”. Oral Allergy Syndrome is an allergy to certain raw fruits, vegetables, seeds, spices and nuts causing allergic reactions in the mouth and throat. These allergic reactions happen mostly in people with hayfever, especially spring hayfever due to birch pollen, and late summer hayfever due to ragweed pollen.

An allergic reaction happens while eating the raw food, causing itching, tingling mouth, lips, throat and palate. There may be swelling of the lips, tongue and throat, and watery itchy eyes, runny nose and sneezing. Handling the raw fruit or vegetable, e.g., peeling it or touching the juice to the lips, may cause rash, itching or swelling where the juice touches the skin, or sneezing, runny nose and watery eyes. Sometimes, more severe symptoms can happen such as vomiting, cramps, diarrhea and, on rare occasions, life threatening reactions with swelling of the throat, wheezing, trouble breathing and anaphylaxis.

Ragweed allergy (which causes hayfever in August and September) can be associated with allergies to raw bananas, and the members of the gourd family (melon, watermel-

on, honeydew, cantaloupe, zucchini and cucumber). Grass allergy can be associated with allergies to orange, melon, watermelon, tomato, kiwi, and peanuts.

These allergic reactions usually occur only when the food is raw. People who are allergic to the raw food can eat it cooked, canned, microwaved, processed or baked. For example, someone allergic to raw apples can eat apple sauce, apple jelly, apple juice, apple pie and dried apples. However, nuts may cause allergic reactions whether raw or cooked. This problem is usually life long. Allergy tests to these foods may sometimes be negative unless a fresh fruit is used for the test (instead of a commercial allergy extract). The allergic reaction to these foods can occur anytime of the year when eating the foods but can be worse during the pollen season and especially if hayfever is very troublesome that year. Severe allergic reactions to foods causing Oral Allergy Syndrome are most likely to occur with celery, kiwi, peaches, apricots, apples and nuts, especially hazelnuts.

Epinephrine Treatment

The drug of choice for allergic reaction is Epinephrine (Adrenaline). This drug stimulates

cells of the Sympathetic Nervous System, especially those that limit bronchospasm, and limits histamine release from the immune system. Epinephrine can be given subcutaneously or intravenously. The subcutaneous dose is 0.3 to 0.5 mg of the 1:1000 solution. The IV dose, 0.1 to 0.5 mg of the 1:10,000 solution is usually reserved for severe cardiovascular collapse.

Use of the EpiPen®

The EpiPen® Auto-Injector is a disposable drug delivery system with a spring-activated, concealed needle. It is designed for emergency self-administration to provide rapid, convenient first-aid for individuals sensitive to potentially fatal allergic reactions. The special device comes in two strengths: Adults use the (yellow label) 0.3 mg dose. Young children up to 15K (33 lbs), use the EpiPen Jr (white label) with 0.15 mg dose.

Directions:

1. Check contents of the cartridge – should be clear and colorless
2. Remove the gray safety cap.
3. Hold the EpiPen (firmly) with the black tip against the thigh (or upper arm)
4. Apply moderate pressure and hold for several seconds (Count to 10). Discard the unit.

Epinephrine is stable at room temperature until the marked expiration date. EpiPen should not

be refrigerated; refrigeration for extended period of time may cause the unit to malfunction. EpiPen should not be exposed to extreme heat, such as in the glove compartment or trunk of a car during the summer. Do not expose the EpiPen to direct sunlight; light and heat can cause epinephrine to oxidize and go bad, turning it brown. Check the contents of the cartridge periodically through the viewing window to make sure the solution is clear and colorless. If the solution appears brown, replace the unit immediately.

Iowa Change in Rules for Use of EpiPen®

In March of 2002, the Bureau of EMS, along with the Advisory Committee facilitated the change in the rules that would allow the Basic EMT and EMT Intermediate to administer epinephrine via the EpiPen®, using protocols or via direct communication with Medical Control, based on local Medical Director. This allows the EMT-Basic or EMT-Intermediate service to stock and carry up at least three of the auto-injector devices of epinephrine in their ambulances for use during anaphylaxis. The State protocol indicates that the EMT-B or EMT-I may give 0.3 mg subcutaneously (adult) or 0.15 mg (Pediatric) every 5-10 minutes as needed up to 3 total doses. Education in the identification of anaphylaxis and the use of the auto-injector devices should pre-

cede field administration of the medication.

References:

World Wide Web: "What is Anaphylaxis", pages 1-3 at <http://www.allergic-reactions.com>

Allergy Asthma Information Association: "Anaphylaxis: The Fatal Allergic Reaction", pages 1-4, World Wide Web at <http://www.calgaryallergy.ca/Articles>

Pong, A., Allergy Asthma Information Association, "Oral Allergy Syndrome", pages 1-3, World Wide Web at http://www.calgaryallergy.ca/Articles/Oral_Food_Allergy.htm

Iowa State Department of Health, Bureau of Emergency Medical Services, State Protocols, July 2002.

Next:
Take the Post Test on Page 10!

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**The Hotel Savery
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and the
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Friday Night
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or reserve rooms online at
our website www.iemsa.net
\$76 Single/Double

Post-Test

anaphylaxis and use of the EpiPen

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Name _____

Address _____ City _____ State _____ ZIP _____

Certification # _____ Level _____ IEMSA Member #/Expire Date _____

IEMSA members achieving an 80% on this 10-question exam will receive 1 hour of continuing education credit from The EMSLRC, Provider #18.

Choose, and clearly circle, the one, best answer for each question. Send to: Rosemary Adam, RN, EMT-PS, The University of Iowa Hospitals & Clinics, 200 Hawkins Drive, EMSLRC South 608 GH, Iowa City, IA 52242-1009. E mail questions to: adamr@uihc.uiowa.edu or call (319) 356-2599.

- 1.** Target organs of an allergic reaction and anaphylaxis usually include:
 - a.** liver, spleen, and brain
 - b.** skin, brain and spinal cord, and bones/muscle
 - c.** skin, GI tract, lungs, and vascular system
 - d.** none of the above

- 2.** Mast cells of the immune system:
 - a.** make and store histamine and various other chemicals, which are released during anaphylaxis.

- b.** can help prevent an anaphylactic reaction if enough are developed in your body over time.
- c.** assist in the fight against oral allergy syndrome by digesting raw foods
- d.** delay the onset of allergic symptoms

- 3.** Someone allergic to raw apples may still eat apple sauce and apple jelly.
 - a.** True
 - b.** False

- 4.** In Oral Allergy Syndrome:
 - a.** victims may have an allergic reaction any time of the year
 - b.** victims may have an allergic reaction more frequently during pollen season
 - c.** allergic reaction is usually due to celery, kiwi, peaches, apricots, apples and nuts.
 - d.** (all of the above are true statements for this

- 5.** Storage of the adrenaline (Epinephrine) auto-injector device should be in a refrigerator.
 - a.** True
 - b.** False
- 6.** Once the immune system recognizes an allergen in an anaphylactic reaction, the chemicals released cause:
 - a.** blood vessel dilation and leakage, creating edema and contraction of smooth muscles.
 - b.** hypertension and tachycardia with unconsciousness in all patients.
 - c.** hot, dry skin with numbness and tingling in the extremities
 - d.** GI bleeding and hypovolemic shock

The Post Test continues on the next page!

Post-Test—continued

anaphylaxis and use of the EpiPen

—Continued from Page 9

7. The new Iowa rule allows EMT-Basics and Intermediates to administer Epinephrine:
- a. at 0.15 mg to the adult patient twice only via auto injector or syringe and needle drawn up by the provider
 - b. at 0.3 mg to the adult patient twice only via auto injector
 - c. at 0.15 mg to the pediatric patient up to three times via syringe and needle drawn up by the provider
 - d. at 0.3 mg to the adult patient up to three times via auto-injector
8. The Iowa Paramedic and Paramedic Specialist may administer Epinephrine:
- a. only with use of the auto injector as prescribed by this new rule.
 - b. at 0.3-0.5 mg subcutaneously or IV, according to protocol.
 - c. IV only.
 - d. (None of the above statements are true)

9. In the case study of the article, Frances developed allergy symptoms again hours after the initial onset. This may be due to:
- a. misdiagnosis – the patient was probably faking it.
 - b. the oxidation of epinephrine
 - c. an allergic reaction to epinephrine
 - d. a phenomenon called biphasic reaction
10. Auto-injector devices filled with Epinephrine:
- a. must be discarded appropriately
 - b. must be routinely checked for expiration date
 - c. must be checked for quality of the clear solution on a routine basis
 - d. (All of the above are true statements)

—End—

See Mailing Instructions on Page 6 or Page 10.



**13th Annual
Conference &
Trade Show**

**This is your
opportunity
to earn CE's,
check out the
latest products
and services
for EMS, and
network with
EMS providers
from across
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**Join us
November 14-16
at the
Polk County
Convention
Complex— See
Details
Starting on
Page Page 13.**

Join Us at the

IEMSA



13th Annual Conference & Trade Show

The conference planning is just about done and we hope you will find this year's conference to be the best ever! The most exciting news is the addition of **three pre-conference workshops** on Thursday. These 4 hour sessions will each begin at noon and run until 4:00pm. One has been designed for EMS educators., one for EMS managers and the third is a 12-Lead EKG course.

Be sure to register for these informative sessions. Attendance at this year's workshops will determine if expanded workshops will be held at future conferences.

This year's keynote speakers will include Dave Long presenting his nationally renown A.L.E.R.T. airbag presentation, as well, the always captivating Augie Bomanti will be returning. Our other keynote speakers include Jeff Fredrick speaking on the immediately important topic of Bioterrorism and Dr. Thomas Flamboe who always "brings his audiences nearly to tears." We have a host of regular session presenters lined up we are sure you will find very motivating and informative!

2002

Come Join the FUN!

Pre-Conference workshops, an expanded exhibit hall,
great food and much more!

by Lori Reeves, Education Chair & Conference Co-Chair

Several changes from your suggestions from last year's conference have been instituted this year. Here are a few of these exciting changes:

■ This year we've added exhibit hall hours to feature an **"Exhibitors Opening Reception" from 4:30pm-6:30pm, Thursday night**. Don't miss it! This allows participants who are attending pre-conference workshops and/or the annual Board Meeting a first chance at vendor items.

■ **Participants will sit at tables** during the keynote presentations allowing for more comfortable seating.

■ **Sit-down lunches will be provided both days** of the regular conference. No more fighting sky-walk crowds or being rushed for lunch! The awards presentations have been moved to lunch on Friday.

■ **The host hotel this year will be the Hotel Savery**. The entire hotel has been reserved to accommodate conference participants! A room block has also been reserved at the Marriott for those who prefer the amenities of the Marriott.

■ **The Friday evening dance has been moved from the convention center to the Hotel Savery** moving it closer to the hotels. The Friday evening dinner has been eliminated giving participants an opportunity for a night out and the chance to eat at their favorite restaurants before the dance.

IEMSA Annual Member Meeting

This years Annual Member/ Board meeting will be held on Thursday evening **November 14, 2002 at 7:00pm** at the Polk County Convention Complex.

Plan to come early, attend an afternoon **pre-conference workshop from Noon-4pm**, register for the conference, and spend some time in our newly expanded exhibit hall, featuring new products and services for EMS.

Complete Conference Details and Conference Registration Form on the pages to follow.

**Don't delay. Register
before October 31st and
SAVE \$25!**



Annual Conference and Trade Show

Special Events

—THURSDAY—

1 Pre-Conference Workshops
New this year, these 1/2 day workshops offer you an opportunity for a few extra CEH's in these extended 4-hour training sessions on three varied topics—EKG, Education, and Management, for an low fee. Held from **Noon to 4pm.**

2 Exhibitor Opening Reception—
This year the exhibit hall will be open **Thursday, Nov. 14,** after the pre-conference workshops and before the Annual Meeting from **4pm to 6:30pm.** Come avoid the long registration lines, register early, check out the exhibits and join us for the Annual Meeting.

3 Annual Meeting—
the IEMSA Annual Members Meeting will be held at **7pm** at the Polk County Convention Center. This meeting is open to all EMS providers and those attending will receive 1.5 CEHs.

—FRIDAY—

Annual Dance—
The **Hotel Savery** is our 2002 conference head-quarter hotel and the location of the Annual Friday Night Dance—**8:00-11:00 pm.**

Hotel Reservations

Savery Hotel—
515/244-2151 or 800/798-2151
\$60 Single, \$72 Double/Standard King

Marriott Hotel—
515/245-5500 or 800/228-9290
or reserve rooms online at our website www.iemsa.net
\$76 Single/Double

Conference Registration—
Due to limited space, to guarantee entrance to the conference, register prior to October 31st. No confirmation of registration will be sent. Payment or Purchase Order must accompany the registration form. CEU/CEH Certificates will be mailed after the conference.

Cancellation/Refund Policy—
The conference committee reserves the right to cancel any session or special event that does not meet the minimum registration requirements or to change the speaker. Refunds, less a \$25.00 processing fee, will be made for registration cancellations made in writing prior to October 31, 2002. No refunds for cancellations after October 31, 2002.

Method of Payment

Payment must accompany this registration form. Make checks payable to IEMSA and mail with this form to: **IEMSA**, 1200 35th Street, Ste. 206-11, West Des Moines, IA 50266 or Fax 515.225.9080

Visa MasterCard AMEX

Cardholders Name _____

Card Number _____

Exp/Date _____

Authorized Signature _____

REGISTRATION FORM

Name* (One form per person-photo copy please)

SSN#*

Address*

City*

State

Zip*

Daytime Phone*

Fax

E-mail (very important to keep you updated)

RN#*

Certification Level (I.e. EMT-P, RN...etc.)

Certification #*

Exp*

*required information to qualify for any earned CE's at the conference

What your fee includes (Register by the Session):

Please check the sessions you'll be attending on the back of this sheet. Registration fee includes tuition, hand-outs, refreshments, luncheon on Friday and Saturday, admission to the Friday evening dance and the exhibit hall.

Type of Registration:

Pre-Conference Workshops:

- 12-Lead EKG Workshop
- Education Workshop
- Management Workshop

1-Day: Friday Only

Saturday Only

2-Day: Friday & Saturday

	MEMBERS	NON-MEMBERS	
Pre-Conference Workshops:			
<input type="radio"/> 12-Lead EKG Workshop	\$50	\$50	\$ _____
<input type="radio"/> Education Workshop	\$40	\$40	\$ _____
<input type="radio"/> Management Workshop	\$20	\$20	\$ _____
1-Day:			
<input type="radio"/> Friday Only	\$105	\$175*	\$ _____
<input type="radio"/> Saturday Only	\$105	\$175*	\$ _____
2-Day:			
<input type="radio"/> Friday & Saturday	\$125	\$200*	\$ _____

(*All Non-Member 1 & 2-Day Registrations include a 1-year membership to IEMSA)

Nursing CE's —Nurses that want to receive CE's

\$10

\$ _____

Late Registration Fee (postmarked after 10/31/02)

\$25

\$ _____

Renew My Membership IEMSA# _____

\$25

\$ _____

CONFERENCE REGISTRATION Total Due = \$ _____

Merchandise:

Long Sleeve Button Down Denim Shirt:

Size: L, XL, XXL _____Qty. x \$30 \$35 = \$ _____

Long Sleeve Mock Turtleneck

Ash Navy Size: L, XL, XXL _____Qty. x \$15 \$20 = \$ _____

Short Sleeve T-Shirt

Ash Navy Size: L, XL, XXL _____Qty. x \$10 \$15 = \$ _____

Long Sleeve Sweatshirt

Ash Navy Size: L, XL, XXL _____Qty. x \$25 \$30 = \$ _____

Short Sleeve Polo Shirt

Navy Size: L, XL, XXL _____Qty. x \$25 \$30 = \$ _____

Mugs

Metal Glass (not pictured) _____Qty. x \$10 \$15 = \$ _____

EMS Patches—check your level of EMT:

FR B I P PS _____Qty. x \$4 \$5 = \$ _____

FR B I P PS _____Qty. x \$4 \$5 = \$ _____

Shipping (\$4 clothing/mugs \$1 patches) = \$ _____

MERCHANDISE Total Due = \$ _____

Combined Total Due = \$ _____



Schedule-at-a-Glance

Check the Sessions You Plan to Attend

Earn Up To 20.5 CEH's

Total CEH's Thursday —5.5 CEH's

Total CEH's Friday—8.0 CEH's

Total CEH's Saturday—7.0 CEH's

Note: Nursing CE's are pending - call 225-8079 for classes that qualify

Thursday, November 14—Pre-Conference Workshops

<p>Noon–16:00</p> <ul style="list-style-type: none"> ○ 12-Lead EKG Workshop—4.0 CEH's —Neal Weers 	<ul style="list-style-type: none"> ○ Management Workshop—4.0 CEH's <ul style="list-style-type: none"> ■ Iowa Legislative Issues —Gary Ireland and Ric Jones ■ Medicare Update —Jerry Johnston & Mark Postma ■ CCP Update —Rosemary Adam and Jerry Johnston ■ EMS Benchmarking —Mark Postma 	<ul style="list-style-type: none"> ○ Education Workshop—4.0 CEH's <ul style="list-style-type: none"> Part 1—EMS Instructor Update Workshop—Steve Mercer Part 2—Managing the Nest: Classroom Challenges —Rosemary Adam Part 3—Reality Based Training —Heather Davis
<p>16:30–18:30 19:00–20:30</p>	<p>New! Exhibitors Opening Reception & Bone Marrow Drive Annual IEMSA Member Meeting—1.5 CEH's</p>	

Friday, November 15

<p>07:00–07:45</p>	<p>Registration and Continental Breakfast in the Exhibit Hall</p>		
	TRACK 1	TRACK 2	TRACK 3
<p>07:45–09:40 09:40–10:10</p>	<p>Welcome & Keynote: A.L.E.R.T.—Dave Long—2.0 CEH's Break —Exhibit Hall</p>		
<p>10:10–11:00</p>	<ul style="list-style-type: none"> ○ Windshields Under Fire —Dave Long—1.0 CEH's 	<ul style="list-style-type: none"> ○ Psych Emergencies —Heather Davis—1.0 CEH's 	<ul style="list-style-type: none"> ○ What's New With the Bureau —Dr. Tim Peterson, EMS Bureau Medical Director —1.0 CEH's
<p>11:10–Noon</p>	<ul style="list-style-type: none"> ○ Ambulance Crashes The Pitfalls of Running Hot—Dave Long—1.0 CEH's 	<ul style="list-style-type: none"> ○ Pediatric Defibrillation —Dr. Dianne Atkins—1.0 CEH's 	<ul style="list-style-type: none"> ○ Difficult Airway Management —John Holmgren—1.0 CEH's
<p>Noon–13:00</p>	<p>Lunch/Awards Ceremony in Exhibit Hall</p>		
<p>13:00–13:50</p>	<ul style="list-style-type: none"> ○ Airbag & Seatbelt Injuries —Dave Long—1.0 CEH's 	<ul style="list-style-type: none"> ○ Making Tough Choices —Heather Davis—1.0 CEH's 	<ul style="list-style-type: none"> ○ Small Quantities, Big Trouble —John Holmgren—1.0 CEH's
<p>14:00–14:50</p>	<ul style="list-style-type: none"> ○ Caring for the Alcohol Impaired Patient—Connie Myers—1.0 CEH's 	<ul style="list-style-type: none"> ○ Controversies In Trauma —Dr. Richard Sidwell—1.0 CEH's 	<ul style="list-style-type: none"> ○ Drugs of Abuse —Linda Kalin—1.0 CEH's
<p>14:50–15:20 15:20–17:00 20:00–23:00</p>	<p>Break —Exhibit Hall Keynote: Bioterrorism—Jeff Fredrick—2.0 CEH's Annual IEMSA Dance—The Hotel Savery</p>		

Saturday, November 16

<p>07:45–08:30</p>	<p>Registration -- Continental Breakfast in the Exhibit Hall</p>		
	TRACK 1	TRACK 2	TRACK 3
<p>08:30–10:00 10:00–10:30</p>	<p>Welcome & Keynote: Decisions, Decisions...You Just Can't Flip a Coin—Augie Bamonti—1.5 CEH's Break —Exhibit Hall</p>		
<p>10:30–11:20</p>	<ul style="list-style-type: none"> ○ Caring for Spine Injured Athletes —Connie Meyers—1.0 CEH's 	<ul style="list-style-type: none"> ○ MVA Scene Safety —Derek Hanson—1.0 CEH's 	<ul style="list-style-type: none"> ○ Cardiac Care—Pathophysiology and Treatment—Jeff Fredrick—1.0 CEH's
<p>11:30–12:20</p>	<ul style="list-style-type: none"> ○ Stress in EMS —Doug Meyer—1.0 CEH's 	<ul style="list-style-type: none"> ○ The First Ten Minutes of Trauma —Mark Weber—1.0 CEH's 	<ul style="list-style-type: none"> ○ The ABC's of the ABC's; Art & Science of Assessment—Augie Bamonti—1.0 CEH's
<p>12:20–13:30</p>	<p>Lunch in Exhibit Hall</p>		
<p>13:30–14:20</p>	<ul style="list-style-type: none"> ○ Pediatric Trauma: Pint-Sized Patients; Prodigious Challenges—Connie Mattera—1.0 CEH's 	<ul style="list-style-type: none"> ○ Mass Casualty Response —Derek Hanson—1.0 CEH's 	<ul style="list-style-type: none"> ○ A Technical Approach to the Birds and the Bees —Cherri Wright—1.0 CEH's
<p>14:30–15:20</p>	<ul style="list-style-type: none"> ○ Trauma Case Studies —Connie Mattera—1.0 CEH's 	<ul style="list-style-type: none"> ○ Backboarding in 1:55 —Mark Weber—1.0 CEH's 	<ul style="list-style-type: none"> ○ It Could Happen To You —Reylon Meeks—1.0 CEH's
<p>15:20–15:50 15:50–17:00</p>	<p>Break Keynote: Putting the Human Being Back in the Human Doing—Dr. Thomas Flamboe—1.5 CEH's</p>		

**Deadline
Extended to
October 4th**

Call for IEMSA Award Nominations

The IEMSA Annual Emergency Medical Services recognition will be held at the 2002 conference—Friday, November 15, 2002 at the Polk County Convention Center. This time is dedicated to the recognition of EMS leaders in the State of Iowa. The nominations criteria are listed below. Write a letter of recognition and return it to IEMSA with your completed nomination form post-marked by September 12, 2002.

Criteria for Nomination

You may nominate yourself.

Individual:

Must be currently certified by the State of Iowa, have strong and consistent clinical skills at his/her certification level; and have made an outstanding contribution to the EMS system either within or outside of his/her squad or service. Award recipients in this category will be the Iowa EMS Association candidates for the Star of Life program held in Washington, DC, expenses paid by IEMSA. Award recipients and Star of Life winners **MUST** be (or become) an active Iowa EMS Association member.

Service:

Must be currently certified by the State of Iowa, have made outstanding contribution(s) in the last year to

PI&E; maintain positive and outstanding relationship with the community (ies) it serves; and take visible and meaningful steps to assure the professionalism of its personnel and the quality of patient care.

Friend of EMS:

Any individual who has made outstanding contribution(s) which enhance the quality of EMS at the local, regional or state level.

Hall of Fame:

Any individual who has made outstanding contributions to EMS during longevity in the field (10+ years). This individual may be someone to recognize posthumously. This will be an ongoing plaque displayed in the Association Office.

Instructor:

Any individual who instructs and/or coordinates on a full-time or part-time basis; has dedication to EMS through instruction, number of years in EMS and/or number of years instructing EMS.

**Don't miss this
opportunity to recognize
someone deserving!**

Award Nomination Form

Individual: Volunteer
 Career

Service: Volunteer
 Career

Instructor: Full-Time
 Part-Time

Friend of EMS:

Hall of Fame:

Nominee's Name

Address

City/State/Zip

Phone

Certification Level & Number

Nominator's Name

Address

City/State/Zip

Day Telephone

Evening Telephone

Mail to:

IEMSA Awards

1200 35th St, Suite 206-11
West Des Moines, IA 50266

Deadline: October 4, 2002

EMS helpers.....helping each other!

chance of a lifetime—bone marrow donor drive

held at 2002 IEMSA Annual Conference—November 14-16.

Tragically, only 1/3 of patients needing marrow transplants have a relative whose marrow matches closely enough for a transplant. In 1981 the Iowa Bone Marrow Donor Program was created to recruit and register volunteers willing to donate marrow to anyone in need. The very same year, one of the volunteers was “matched” to a patient, and the University of Iowa Hospitals and Clinics’ first unrelated marrow transplant took place. Today, the Iowa Marrow Donor Program and the National Marrow Donor Program are part of a global network providing healthy marrow and stem cells for transplant.

Facts and Statistics as of November 2001

- **4,500,696** volunteer members listed in the National Marrow Donor Program
- **13,018** total number of transplants facilitated through NMDP since 1987
- **3,000** average number of people searching the national registry at any given time
- **80%** an individual patient’s chance of finding a potential match on the national registry

- **16,995** volunteer members listed in the Iowa Marrow Donor Program Registry

At this year’s IEMSA conference, a bone marrow drive will be held on Thursday from 5p-6:30p, Friday from 10 am to 4 pm, and Saturday 10am to 2 pm. Bone marrow donors, volunteer phlebotomists and booth volunteers are needed to make this a successful event. If you are interested in any of the above volunteers, please complete the attached form and mail to the below address:

Registration Form

IEMSA Bone Marrow Donor Drive

Life Flight—1200 Pleasant, Des Moines, IA 50309
Or email the information to sallymmm@ihs.org.

Bone Marrow Donor

Volunteer Phlebotomist

Booth Volunteer

Name _____

Address _____

City _____

State _____

Zip _____

Home Phone _____

E-mail _____



Corporate Membership

Iowa EMS Needs Your Support!

Consider becoming a corporate member of the Iowa Emergency Medical Services Association. Our association represents all levels of EMS providers throughout Iowa from First Responder to Paramedic—volunteer to career. Your corporate membership would show your support of these individuals—your hometown heroes.

Silver.....\$500	Gold.....\$1000	Platinum.....\$3000
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As a Silver Corporate Sponsor you will receive the following benefits:

- **Plaque for display** at your service/organization.
- **1- 1/4 Page Ad** in one issue of the IEMSA Newsletter, published quarterly and distributed to all active members.
- **2 - One-Year IEMSA Memberships** for the personnel/staff of your choice.

Join Today!

**Call Toll-Free
888-592-IEMS**
for more
information
or visit our
website at
www.iemsa.net

As a Gold Corporate Sponsor you will receive the following benefits:

- **Plaque for display** at your service/organization.
- **2- 1/4 Page Ads** in two issues of the IEMSA Newsletter, published quarterly and distributed to all active members.
- **5 - One-Year IEMSA Memberships** for the personnel/staff of your choice.
- **50% Discount for booth space** (10' x 10' booth or 15'x 25' vehicle space) at the IEMSA Annual Conference and Trade Show, held each Fall in Des Moines.
- **Corporate Sponsor Recognition** at the Annual Awards Ceremony held at the Annual Conference.
- **A link on the www.iemsa.net website** directing our members and visitors to your service, company or organizations website.

As a Platinum Corporate Sponsor you will receive the following benefits:

- **Plaque for display** at your service/organization.
- **4- 1/4 Page Ads** in four issues of the IEMSA Newsletter, published quarterly and distributed to all active members.
- **10 - One-Year IEMSA Memberships** for the personnel/staff of your choice.
- **One FREE booth space** (10' x 10' booth or 15'x 25' vehicle space) at the IEMSA Annual Conference and Trade Show, held each Fall in Des Moines.
- **Corporate Sponsor Recognition** at the Annual Awards Ceremony held at the Annual Conference.
- **A link on the www.iemsa.net website** directing our members and visitors to your service, company or organizations website.
- **Sponsor recognition** in the newsletter for One-Year.
- **Recognition as a break or speaker sponsor** at the Annual Conference.
- **One flyer insert** included in all new and renewal membership packets sent to members for one-year.

FREE

1/2 Day - Medical & Service Directors Workshop—

Sponsored by the EMS Bureau Staff—This interactive workshop is designed to assist physicians who act as medical directors for EMS services in Iowa. The Service Director's workshop will be included in the same session to encompass the requirements for a director of an EMS service in Iowa. The staff members of the Iowa Department of Public Health's Bureau of EMS will conduct this workshop. This workshop will be held in conjunction with the IEMSA Annual Conference November 14-16, 2002.

For more details and to REGISTER call the EMS Bureau Directly at: 515-725-0326.



CONFERENCE SCHEDULE

Thursday, November 14

New! Pre-Conference Workshops

Noon–16:00

12-Lead EKG Workshop



12-Lead EKG Workshop—Neal will spend the afternoon teaching the participants how to interpret 12-lead EKG for management of acute coronary syndromes (AMI). He will discuss the recognition of potential candidates for fibrinolytic therapy and how to properly acquire a 12-lead in the field. This course would qualify for those who are transitioning from the old Paramedic level to the Paramedic Specialist certification. Neal’s unique and easy teaching methods are based on the current American Heart Association recommendations.

Speaker—Neal Weers currently serves as the Program Manager for the Mercy School of Emergency Medical Services in Des Moines. He continues to teach numerous courses including ACLS, PALS, CPR, and all levels of EMT training. Neal has taught his 12-lead presentation around Iowa including the IEMSA Conference in the past. He completed his Paramedic education through the EMSLRC at Iowa City in 1994. He has worked in the field at Boone County Hospital and West Des Moines EMS as their Training Officer. Neal currently serves as Regional Faculty for ACLS and PALS.

Noon–16:00

Management Workshop—

■ **Iowa Legislative Issues—**
Gary Ireland and Ric Jones

■ **Medicare Update—**
Jerry Johnston and Mark Postma

■ **CCP Update—**
Rosemary Adam and Jerry Johnston

■ **EMS Benchmarking—**
Mark Postma



Management Workshop— This four-hour course will address the latest ‘Hot Topics’ in Legislation and Medicare as it relates to the EMS providers, managers, and directors. Some of the topics discussed will be ‘Do Not Resuscitate’, ‘Organ Donation’, ‘Critical Care Paramedic’, ‘Administrative Rules’, and ‘Medicare’.

Speakers—■ **Ric Jones** is the Emergency Medical Services Supervisor for the City of Dubuque Fire Department. He is a paramedic specialist and has been an EMS provider for 28 years. Ric is a busy ACLS, PALS, and PHTLS instructor. He has been on the IEMSA Legislative committee for several years. Away from EMS, Ric is currently president of the board of directors of Hills and Dales, a Dubuque care center for severely and profoundly challenged children.

■ **Jerry Johnston** is a Nationally Registered Paramedic, and is currently the EMS Director at Henry County Health Center (HCHC) in Mt. Pleasant. He also manages a transport service located in Burlington, IA. Jerry serves as BLS National Faculty for AHA. Jerry is the Immediate Past President of IEMSA, and the NAEMT’s Board of Governors and Executive Council. He chairs NAEMT’s Pediatric Prehospital Care (PPC) Executive Council. Jerry has presented at regional, state and national EMS conferences.

■ **Mark Postma** has been with MEDIC EMS since it’s inception in 1982. Mark is a Nationally Registered Paramedic. Along with the duties of being the Executive Director for MEDIC EMS, Mark is also Chairman of Board for the Commission of Accreditation of Ambulance Services (CAAS) based in Glenview, Illinois. Mark serves on the Southeast Iowa EMS Council and represents IEMSA from a legislative aspect. Mark has presented at regional, state and national EMS conferences.

■ **Gary Ireland** - Gary has been a paramedic for about 25 years, and is widely recognized as the just-recently-retired Chief of the Iowa Bureau of EMS. During Gary’s reign as Bureau Chief he implemented Iowa’s EMS-C program, established minimum standards for EMS care, secured an Injury Prevention Coordinator and program, established the PAD/AED program, developed and implemented a statewide Trauma System, defined the scope of practice for EMS providers initiated the EMS system development grant program and lead the way as supervisor for many assertive EMS providers and coordinators. Gary recently joined IEMSA as the Executive Director.

■ **Rosemary Adam** (see speaker bio on page 19)

Noon–16:00
Education Workshop—

**Part 1—EMS Instructor
Update Workshop**

**Part 2—Managing the
Nest: Classroom
Challenges**

Only \$40
FOR ALL 3 SESSIONS

**Part 3—Reality
Based Training**

Course Description—Steve Mercer, EMS Education Coordinator for the Iowa Bureau of EMS, will give this presentation for currently endorsed EMS Instructors. This session will discuss the current legislative goals, educational goals, and rules of practice that affect Iowa EMS Instructors. EMS Instructors are required to complete an update class once during their two-year certification period.

Course Description— This 50-minute presentation will provide information and discussion on difficult classroom situations and how the EMS Educator can manage these disturbances in the education nest. Upon completion of this program, through case study and demonstration, each participant will discuss ways to manage challenging classroom situations. For the part and full-time health care educator, this 50-minute adventure through case studies will present challenging classroom situations brought on by the nestlings and the parent that disturb the learning nest. From button pushers to the unethical, the group will discuss ways to keep the nest safe.

Speaker—Rosemary Adam has been an EMS Nurse for 25 years in southern Iowa and has worked in middle management , education and primary staffing for hospitals and EMS agencies. She has worked these past 10 years in the EMS Learning and Resource Center at The University of Iowa Hospitals and Clinics and for 7 years part-time as a flight nurse with Air Care.

Course Description—The focus of this workshop is on making the most of the training hours and limited budget that rural EMS Instructors face in their EMS classes. Heather will discuss techniques to make the training as realistic as possible without being elaborate, expensive, or time consuming. The main emphasis will be on scenario-based training. EMS Instructors will discover how to focus the curriculum objectives to the scenarios and engage the students with all of their senses and emotions. The EMS Instructor will learn how to use the environment, props, and patients to make the scenarios as realistic as possible in the classroom setting. Heather will also work with the EMS Instructors to practice facilitating scenarios to maximize student learning and performance.

Speaker—Heather Davis is the Clinical Coordinator at the UCLA Center for Prehospital Care. Heather holds a master's degree in public health from New York Medical College. She has worked as a paramedic and Field Training Officer in urban New York, rural Iowa, and the Rocky Mountains of Colorado. Her experiences include disaster relief, CISD, and tactical medic work. Heather has been honored as Faculty of the Year, is a published author and a national speaker.

16:30–18:30
New! **Exhibitors
Opening Reception
& Bone Marrow Drive**

This is your chance to attend pre-conference workshops and/or the annual Board Meeting and have the first chance to browse the vendor products and services. The exhibit hall is almost twice the size of last years exhibits. Avoid the long registration lines on Friday morning and register early. **Bone Marrow Drive** will be held on from Thursday 5p-6:30p, Friday from 10 am to 4 pm, and Saturday 10am to 2 pm. Bone marrow donors, volunteer phlebotomists and booth volunteers are needed to make this a successful event. If you are interested in any of the above volunteers, please complete and return the form on page 12.

19:00–20:30
**Annual IEMSA
Member Meeting**

This year has brought alot of change in EMS, attend this meeting to get a year in review of what IEMSA has done for you on a broad range of issues from Medicare to DNR to Training Equipment grants and more.



CONFERENCE SCHEDULE

Friday, November 15

07:00–07:45 Continental Breakfast
in the Exhibit Hall

07:45–09:40

Welcome &
Keynote Speaker
A.L.E.R.T.

A.L.E.R.T.—Overall, airbags have saved nearly 8,000 lives. However, airbags are not designed to deploy in 30% of all serious crashes. This means rescue workers are at great risk. New technology is introducing side airbags in 229 models, with some vehicles containing up to 10 airbags! If you respond to any automobile crash, this session is a must! This presentation is recommended by the National Highway Traffic Safety Administration, and has appeared on ABC news, 20/20 and in USA Today.

Speaker—Dave Long is currently the Airbag Safety Specialist with North Memorial Medical Center’s EMS Education and ABRA Auto Body & Glass A.L.E.R.T. Programs. He has made 20 television appearances in the last three years speaking about restraint safety and has presented the A.L.E.R.T. and Awareness Programs in over 20 states to include Hawaii. Dave has been a paramedic for North Memorial Medical Center for 15 years and has also been a flight paramedic for two Twin Cities fixed wing ambulance companies. Dave began his EMS career volunteering with the Sheriff’s Search and Rescue Unit in San Luis Obispo, CA. He became a law enforcement park ranger, a deputized Fish & Wildlife Services agent and a deputized sheriff in Yellowstone Park.

09:40–10:10
Break —Exhibit Hall

10:10–11:00

Track 1—
Windshields Under Fire

Windshields Under Fire—Do you know how much support the windshield plays in the overall structure of a vehicle? Do you know how much this can be jeopardized by improper after market windshield replacement? Are you properly prepared to deal with the windshield in a vehicle extrication? Come and learn first hand why “Windshields are Under Fire”

Speaker—Dave Long (see speaker bio above)

Track 2—
Psych Emergencies

Psych Emergencies: Understanding Psychotic Behavior and Treatment —Over thirty percent of the population has some psychiatric pathology, which means that psychiatric or behavioral issues surface regularly on EMS calls. The inability to distinguish one condition from another limits providers from predicting a patient’s behavior. This session reviews the pathophysiology of common behavioral disorders and how they manifest in our patients. Treatment strategies, both chronic and acute, will be discussed and visualized through popular media examples.

Speaker—Heather Davis (see speaker bio on page 19)

Track 3—
What’s New With the Bureau

What’s New With the Bureau—the EMS Bureau will review the changes over the past year.

Speaker—Dr. Tim Peterson, EMS Bureau Medical Director

11:10–Noon

Track 1—**Ambulance Crashes: The Pitfalls of Running Hot**

Ambulance Crashes: The Pitfalls of Running Hot -- Emergency vehicle crashes are a risk for EMS providers and the public at large. Recently, several ambulance crashes have killed numerous person across the United States. In this session we will take a look at some midwest and national crashes and discuss some of the pitfalls, along with a close review of the laws regarding emergency vehicle driving.

Speaker—Dave Long (see speaker bio on page 20)

Track 2—**Pediatric Defibrillation**

Pediatric Defibrillation —“This presentation will provide information about pediatric ventricular fibrillation and the appropriateness of pediatric defibrillation, highlighting automatic external defibrillator use in children. The preliminary results from the Iowa EMS Service Program Registry for pediatric cardiac arrest will be presented. In addition, the participants will recognize the frequency of ventricular fibrillation in cardiac arrest, identify risk factors for ventricular fibrillation, and demonstrate appropriate use on an AED in two groups of children, those <8 years and those > 8 years of age.

Speaker—Dianne Atkins, MD is a Professor of Pediatrics at the University of Iowa where her interest has been defibrillation in children. She is a graduate of the John Hopkins University School of Medicine and received her post-graduate training at the University of Kentucky and the University of Iowa. She is currently the principle investigator on Beyond the Barriers: Project EQUIP, an EMSC Targeted Issues grant to study defibrillation in children in Iowa.

Track 3—**Difficult Airway Management**

Difficult Airway Management —This discussion will cover anticipation of difficult airway situations , as well as a number of different types of equipment and techniques for managing these challenging situations.

Speaker—John Holmgren NREMT-P, Firefighter II—John has been involved in EMS for fifteen years. He has experience with fire departments, hospital based EMS, private services, Air Medical transport and as a respiratory therapist. He teaches for the University of Minnesota Medical School and is known as an expert in difficult airway management and pediatric emergency care. John has also taught internationally, volunteering to instruct medical staff in Haiti and India.

Noon–13:00

Lunch/Awards Ceremony in Exhibit Hall

13:00–13:50

Track 1—**Airbag & Seatbelt Injuries**

Airbag & Seatbelt Injuries —Do airbags reduce injuries? Even though their purpose is to save our lives, air bags and seatbelts can cause injury. Come to learn about these injuries and their patterns and how you can protect yourself as a driver. Cases of actual airbag and seatbelt injuries will be discussed.

Speaker—Dave Long (see speaker bio on page 20)

Track 2—**Making Tough Choices**

Making Tough Choices —This session promises to be thought provoking and probably controversial! Standards of conduct for EMS professionals are not well defined. Intentional or not, breaches of ethical behavior seem to happen frequently in EMS. The consequences of these acts can be detrimental to patients, morale, career longevity, provider agencies, and the profession altogether. We will examine real cases in an effort to discover a consensus on behavior the audience believes to be appropriate for EMS professionals.

Speaker—Heather Davis (see speaker bio on page 19)

Track 3—**Small Quantities, Big Trouble**

Small Quantities, Big Trouble — The primary focus of this presentation deals with substances that are particularly toxic to children and small quantities. Also addressed will be more common pediatric ingestions. Included will be: medications, household chemicals and plants, as well as signs, symptoms and treatment options.

Speaker—John Holmgren (see speaker bio above)

CONFERENCE SCHEDULE— Friday, November 15 —Continued

14:00–14:50

Track 1—**Caring for the Alcohol Impaired Patient**

Caring for the Alcohol Impaired Patient—Alcohol use is a major health concern in the United States, leading to increased mortality, significant social costs and health consequences. Studies demonstrate that problem-drinking patients are two and a half times more likely to be readmitted to a trauma center due to injury recurrence than patients without an alcohol problem. This session will explore the impact of alcohol use on society and discuss how to recognize alcohol use problems in our patients. Participants will discuss the recommended best practices for care of the alcohol-impaired patient.

Speaker—Connie Meyer, MICT—has been involved with EMS since 1982, beginning her career as a volunteer EMT in rural Kansas. She has been a Paramedic-Team Leader for Johnson County Med-Act in Olathe, Kansas for 15 years. Currently she is a member of the Executive Council for the National Association of EMT's, Past President of the Kansas EMS Association, member of the Kansas State Advisory Committee on Trauma, and President of the Heartland EMS Coalition.

Track 2—**Controversies In Trauma**

Controversies in Trauma— This lecture focuses on various controversial topics in prehospital trauma care. It is intended to cause the participant to question some current practices and acknowledge the practice of evidence-based medicine. Topics to be discussed include: level of prehospital (basic vs. advanced life support), IV fluid management, airway management, and mode of transport. At the conclusion of the presentation, the participants will be able to: Be familiar with an evidence-based approach to medical decision making; Discuss trends with prehospital life support; Recognize advantages and pitfalls of prehospital intubation; Discuss trends with trauma fluid management.

Speaker—Richard Sidwell, MD, FACS, is currently a trauma and general surgeon at Iowa Methodist Medical Center in Des Moines, central Iowa's only Level I trauma center. He grew up in Davenport, and then attended undergraduate and medical school at the University of Iowa. Following completion of his general surgery residency at Iowa Methodist Medical Center in 1998, he moved to Mason City. There he was in private general surgery practice with Mason City Clinic for three years. He returned to Des Moines in 2001 to pursue his interests in trauma surgery and surgical education. He is currently vice-chair for the Iowa Chapter of the American College of Surgeons Committee on Trauma and Vice-President of the Iowa Academy of Surgery. Education about trauma care and trauma prevention is among his top interests.

Track 3—**Drugs of Abuse**

Drugs of Abuse—this program is designed to provide the most up-to-date information of the toxicity and clinical management associated with contemporary substances of abuse. Substances include inhalants, depressants, cocaine, methamphetamine, hallucinogens, and club or party drugs gaining popularity such as MDMA (ecstasy), gamma-hydroxybutyrate (GHB), flunitrazepam (Rohynol), and ketamine. Abuse patterns, range of toxicity, clinical effects, and overdose management will be discussed

Speaker—Linda Kalin RN, BS, CSPI is Managing Director of the Iowa Statewide Poison Control Center. She has over 20 years of experience in poison center activities and clinical toxicology training. Linda currently serves on various local, state and national committees and is a frequent lecturer on topics involving poisonings and overdose management.

14:50–15:20

Break —Exhibit Hall

15:20–17:00



Keynote Speaker
Bioterrorism

Bioterrorism—Following closely on the heels of September 11, the postal Anthrax incidents of October 2001, significantly raised our collective knowledge of biological terrorism. But, bioterror is not new, even in the U.S. This session will discuss the historical use of biological materials as weapons of warfare and terror as well as common pathogens which may be employed today, their suspected method of dispersal, the pathophysiology of their infections and what treatments and prophylaxis are available for exposed individuals.

Speaker—Jeff Frederick NREMT-P, EMD, has 29 years of involvement with EMS. He is currently Telecommunications and Security Manager for Ridgeview Medical Center in Waconia, Minnesota and adjunct faculty at Inver Hills Community College. Jeff has an extensive history in EMS, including Paramedic supervisor at Hennepin County Medical Center, co-author of a Haz-Mat textbook and international instruction for El Salvador, Moldova and Latvia.

CONFERENCE SCHEDULE— Saturday, November 16

07:45–08:30

Continental Breakfast in the Exhibit Hall

08:30–10:00



Keynote Speaker
**Decisions, Decisions...
You Just Can't
Flip a Coin**

Decisions, Decisions... You Just Can't Flip a Coin—This session explores the nature of ethical conflicts in EMS. An interactive case scenario presentation offers the participants the opportunity to see how an ethical conflict could arise from a routine medical call. Recognition of the nature of the conflict will offer the participant the chance to identify where their conflict arose, or where it arose in others. This session asks that the participants become part of the hundreds of other previous participants in expressing their views on recognizing and resolving ethical conflicts in EMS. An open mind, an open heart, and honesty are the only requirements to attend this session geared for ALL levels of patient care.

Speaker—Augie Bamonti has been involved in pre-hospital care for over 20 years in various capacities. He worked in a Level II Trauma Center for 8 years as a Triage Paramedic and Nursing Assistant. He has been a member of the Chicago Heights Fire Department since 1988 where he currently holds the rank of Paramedic/Engineer, and is the Coordinator of EMS Education for the Department's 45 Paramedics. He is an International Faculty Member of Pre-Hospital Trauma Life Support (PHTLS), where he has participated in training EMS providers from 16 countries and multiple locations in the United States. He is an active member in the National Association of EMT's. He sits on the Prairie State Junior College Advisory Board for EMS education, and sat as regional governor for the Illinois EMT Association. He holds instructor status in Pediatric Pre-hospital Care (PPC), Advanced Cardiac Life Support (ACLS), and is a recognized State of Illinois Lead Instructor. He is a contributing author to several EMS textbooks, and has written several articles published in EMS literature. He holds certificates in Firefighting, Apparatus Engineering, Hazardous Materials, Fire and Arson Investigation, and Extrication. Augie's presentations have brought confidence to the uncertain. Humor to the downhearted. And answers to some of those questions dealing with the demanding and often difficult times we face in EMS. He asks you to come with an open mind, an open heart, and the desire to make your EMS life the best it can be.

10:00–10:30 Break —Exhibit Hall

CONFERENCE SCHEDULE— Saturday, November 16 —Continued

10:30–11:20

Track 1—**Caring for Spine Injured Athletes**

Caring for Spine Injured Athletes—This presentation reviews assessment and treatment protocols for suspected spinal injury in athletes, particularly relating to football players. There has been much controversy recently regarding helmet and shoulder pad removal prior to transport of a football player with suspected spinal injury. During 1998 and 1999 Connie participated in the Inter-Association Task Force, which developed guidelines for treatment of athletes with spinal injury. The task force guidelines will be presented along with recommendations for immobilization and transport options. Emphasis is also placed on developing good working relations between Athletic Trainers or Team Physicians who might be on scene.

Speaker—Connie Meyer (see speaker bio on page 22)

Track 2—**MVA Scene Safety**

MVA Scene Safety— Is your scene safe? This presentation takes a look at the problems and hazards at a motor vehicle crash. It defines the roles of the fire service, EMS, rescue, and law enforcement. Safety zones and vehicle placement are discussed, as well as color of vehicles, safety clothing and devices necessary for a safe and successful extrication.

Speaker—Derek Hansen has 24 years of Emergency Services experience and currently serves as the Safety & Disaster Director for St. Alexius Medical Center in Bismarck, North Dakota. In this position he coordinates all safety & disaster programs for 2,000 employees along with coordinating disaster drills and actual disaster situations using the Incident Command System. He is a member of the Bismarck Fire & Rescue Dept. serving as a firefighter and extrication rescue technician. He serves on the national PHTLS executive council as well as serving on the PROAD Board for the AHA.

Track 3—**Cardiac Care— Pathophysiology and Treatment**

Cardiac Care—Pathophysiology and Treatment—Cardiovascular disease remains the top killer in adults. This session will review the common cardiac conditions seen by prehospital providers, their pathophysiology, assessment findings, and common field treatment.

Speaker—Jeff Frederick (see speaker bio on page 23)

11:30–12:20

Track 1—**Stress in EMS**

Stress in EMS—As pre-hospital providers, have you ever wondered if our patients are healthier than the people who take care of them? Doug will look at different aspects of stress management and ways to help keep us healthy. Also, as pre-hospital provides, we should not take life for granted. As a previous heart attack patient involved in patient care, Doug will give you a brief description of being on the other end of the “Monster” and getting first hand knowledge of defibrillation twice in the cardiac cath lab.

Speaker—Doug Meyer, NREMT-P, has been involved in EMS for the past 21 years as an EMT-B, Paramedic, Flight Paramedic and EMS Educator. He currently works as a Paramedic. He teaches all pre-hospital levels and has made presentations at many state and regional workshops and conferences over the last 10 years including the NAEMT Convention in Reno. He served NAEMT as Board of Governors representative from South Dakota and was elected Secretary of the NAEMT Paramedic Division in 2001.

Track 2—**The First Ten Minutes of Trauma**

The First Ten Minutes—This presentation discusses the priority trauma patient breaking down the initial and detailed assessments to specify certain conditions to look for. If any are found the patient becomes a priority patient and every second counts! The presentation will conclude by examining three case presentations that will demonstrate what has been discussed.

Speaker—Mark Weber has been involved with EMS since 1984. Working in a rural setting he has been involved with ground ALS, both fixed and rotor wing air services. He has instructed all levels of EMS from CPR to Paramedic, ACLS, & PALS. He currently is the Director of an ALS Quick Response Unit that intercepts with seven volunteer services and offers ambulance billing for 51 services in North Dakota.

Track 3—**The ABC's of the ABC's; Art & Science of Assessment**

The ABC's of the ABC's; Art & Science of Assessment—Patient assessment is the single most important function performed by EMS providers. This interactive session examines the most common mistakes and overlooked aspects of assessment while reconditioning the confidence of the EMS provider to give the best patient care possible. Without appropriate assessment, how can we deliver appropriate treatment? Without appropriate treatment, how can we say we are providing good patient care?

Speaker—Augie Bamonti (see speaker bio on page 23)

12:20–13:30 -
Lunch in Exhibit Hall

13:30–14:20

Track 1—**Pediatric Trauma: Pint-Sized Patients; Prodigious Challenges**

“Pediatric Trauma: Pint-sized Patients; Prodigious Challenges” Caring for our smallest patients presents unique challenges due to their psycho-social, emotional, and physical differences. Based on their age, size, and psychodynamics one child may be assessed and treated very differently from another. This presentation walks the provider through the developmental milestones that impact our approach to a traumatized child, provides an overview of the types of injuries often sustained, EMS assessment priorities, and child-specific resuscitative interventions.

Speaker—Connie Mattera, M.S., R.N., EMT-P is the EMS Administrative Director for the Northwest Community EMS System. She is also State of Illinois Trauma Nurse Specialist Course Coordinator. Her professional joy is to share in intellectually challenging educational offerings that emphasize evidence-based best practice models laced with practical applicability to patient care.

Track 2—**Mass Casualty Response**

Mass Casualty Response—We rarely encounter Mass Casualty Incident (MCI) responses. This is all the more reason to train with this topic on a regular basis so we can become more proficient. When asked, EMT's fear MCI responses more than almost any other response. This is mainly due to not having adequate knowledge or hands-on experience. Attend this session to become better prepared and less apprehensive of you next MCI response.

Speaker—Mark Weber (see speaker bio above)

Track 3—**A Technical Approach to the Birds and the Bees**

A Technical Approach to the Birds and the Bees—This is not your mother's birds and bees lecture. This class offers a different approach to OB education. This will give the EMS provider an opportunity to better understand the physiology of conception, gestation and delivery.

Speaker—Cherri Wright, NREMT-P—Cherri has been involved with EMS for nine years, working in both Idaho and Iowa. She is currently a program coordinator for the Mercy School of EMS in Des Moines. Cherri is active on the Greater Des Moines Safe Kids Coalition and teaches a variety of pediatric and OB/GYN courses.

14:20–15:50 Break —Exhibit Hall

CONFERENCE SCHEDULE— Saturday, November 16 —Continued

14:30–14:20

Track 1—**Trauma Case Studies**

Trauma Case Studies—Learning is most fun and effective when participants are challenged to apply theoretical concepts to actual practice situations. This presentation uses actual case scenarios to stimulate discussion underscoring the importance of thorough patient assessments, accurate interpretation of data, the ability to preliminarily rule in or rule out a constellation of injuries, and exercising critical judgment skills to rapidly perform prehospital resuscitative interventions in patients sustaining head and thoracic injuries.

Speaker—**Connie Mattera** (see speaker bio on page 25)

Track 2—**Backboarding in 1:55**

Backboarding in 1:55—This is a teamwork presentation starting with a 4 person demonstration of assessment, oxygen administration and complete backboarding. The presentation will then discuss the teamwork approach, breaking each job down into specific roles. When everyone understands their responsibilities, the team will be able to complete their assessment, oxygenation, C-spine and complete immobilization in less than 1:55.

Speaker—**Mark Weber**—(see speaker bio on page 25)

Track 3—**It Could Happen to You**

It Could Happen To You—The goal of this session is to provide the EMS Worker with a broader prospective of how trauma effects the patient, their family and the EMS worker.

Speaker—**Reylon Meeks, RN, MS, MSN, EMT** is the Clinical Nurse Specialist for Blank Children’s Hospital in Des Moines. In EMS for more than a decade, she serves as the EMS director for the Pleasant Hill Fire Department. With a Master’s degree in Education, Reylon has taught EMT classes, including B, I and P, as well as the EMS-Instructor course. This past year, Reylon received KCCI TV 8’s “Leading the Way” award for her commitment to children in the community and the Exceptional Partners in Education award from the school district in which she resides.

15:20–15:50

Break —Exhibit Hall

15:50–17:00



Keynote Speaker

Putting the Human Being Back in the Human Doing

Putting the Human Being Back in the Human Doing—Sometimes we get so wrapped up in the everyday “doings” that we forget about the being“. Every so often, along the way, it is important to stop and think about who we are and where we came from. This interactive and insightful presentation provides just the right amount of sustenance needed for that journey.

Speaker—**Thomas Flamboe**, A native of Detroit Michigan, Dr. Thom received his undergraduate degree in Special Education from Eastern Michigan University; a Master’s degree in Communication Disorders from the University of Wyoming; and a Master’s Degree in Counseling from Northern State University in 1987. He completed his doctoral work in 1991 in Counseling Psychology with a specialization in Pediatric Psychology from the Union Institute in Cincinnati, Ohio. He is a licensed professional counselor and a clinical member of the American Association of Marriage and Family Therapy. He has been an educator, counselor, special educator, family counselor, speech/language pathologist and nationally known

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