

EMS Week around the State

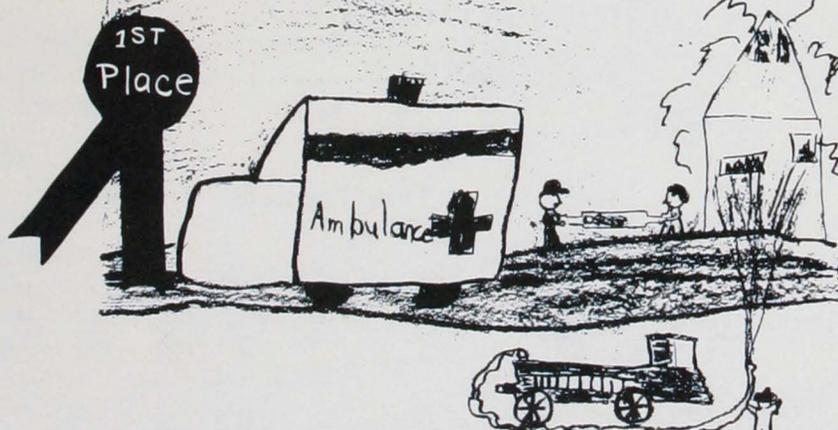
EMS-A System to Save Lives!

EMERGENCYS



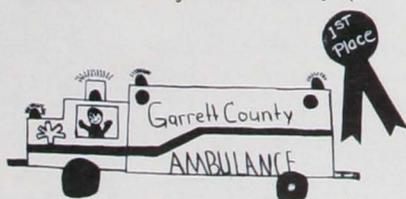
Fourth-grader Susan Butler (Dennett Road School) won the "Overall Special Award" in the poster contest sponsored by Southern Garrett County Rescue Squad.

EMS System to Save Lives!

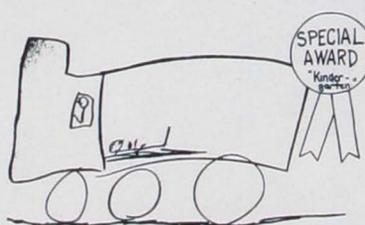


Mandy Lyn Parish (Loch Lynn School) won first place in the grade 4 - 5 category.

Ambulance is a vehicle designed to transport sick or injured people



Kim Rosenthal (Dennett Road School) won first place in the grade 2 - 3 category.



Five-year-old Annie Neuell (Broad Ford School) won a special award in the kindergarten category.



Maryland EMS NEWS

Vol. 13 No. 5 NOVEMBER 1986

National EMS Week, September 21 - 27, was a time of celebrations and EMS demonstrations around the state. Activities in each of the five regions are detailed on pages 1, 2, 6, 7, and 8.

A statewide awards luncheon sponsored by MIEMSS was held September 24. Forty-five people were honored for their work in making a difference — saving lives or improving the quality of lives. R Adams Cowley, MD, director of MIEMSS, and William E. Clark, state EMS director, presented the awards. Photos appear on pages 3, 4, and 5.

Region I

On September 20, EMS exhibits were sponsored by 15 agencies at the Country Club Mall in LaVale. Participants included ambulance and fire services, the Department of Natural Resources Winter Rescue Team, and the Ridgely Water Rescue Team. A Maryland State Police Med-Evac helicopter was displayed. The demonstrations and displays were coordinated by Ken May, Bill Crawford, and Region I's secretary Thelma Emory.

A proclamation of EMS Week was received from the Allegany and Garrett county commissioners. Local news media coverage included radio programs on EMS Week activities and the statewide system and a photo essay on Maryland's EMS system in the *Cumberland Times*. Southern Garrett County Rescue Squad sponsored a poster contest in area elementary schools (some of the winning entries are printed on this page). Tri-Town's Rescue Squad sponsored numerous activities throughout the week and initiated a "call for help service for senior citizens."

Region II



In addition to the issuance of proclamations of EMS Week by the Washington and Frederick county commissioners, the activities in Region II included emergency department tours, demonstrations of EMS response, and displays of information and equipment.

At the Washington County Hospital, tours of the emergency and trauma rooms were conducted for hospital personnel and the public. Hospital staff members also participated in the EMS exhibits and demonstrations at the Valley Mall in Hagerstown on September 27 by equipping and staffing a mock operating room on a stage in the mall. Personnel from Community Rescue Service and the Williamsport Volunteer Ambulance Service received a "patient" from a Maryland State Police Med-Evac helicopter on static display in the mall parking lot. The ambulance personnel consulted with the hospital staff inside the mall; their radio conversations were broadcast for the public to hear. The patient was brought to the operating area, and the treatment given was narrated by Robert Hunt, MD, an emergency department physician.

In another scenario, members of Community Rescue Service and the Halfway Fire Department extricated a person from a car that had been overturned on the parking lot. That patient was transported to the "operating area" for a second treatment demonstration.

In Frederick County the Junior Fire Company and Frederick ALS Medic had a display and demonstrations at the Seventh Street Shopping Center. EMS response and treatment scenarios involved skateboard and bicycle accidents, a person falling from a ladder, and a heart attack victim. A wrecked car from a fatal collision was an effective addition to this exhibit, as a reminder of the devastation that can occur if safety measures are not observed.

(Top to bottom): Community Rescue Service members extricate a "victim" from an overturned car while Halfway Fire Department personnel provide fire support services at an EMS demonstration at Valley Mall in Hagerstown. Members of the Washington County areawide trauma center in a mock operating room at an EMS demonstration at Valley Mall. Dr. Robert Hunt inserts a chest tube into a patient during a mock operation at the Valley Mall, as Mary Deal, RN (ED trauma team), Chris Chase, RT (x-ray technician), and Ken Ours, CRTT (respiratory therapist) assist.



Kurtis Allen Gardner accepted awards on behalf of himself and Cpl. Scott Matheny and Todd Allen Creager, all of the Washington County Sheriff's Department. The three, along with Blue Ridge Summit Rescue Squad, were instrumental in the rescue of a woman who had fallen from a hang-glider platform.



Dispatcher and CRT Timothy Gargana, with the Washington County Fire and Rescue Communications, gave phone instructions to the parents of an 18-month-old child on how to perform CPR. They successfully resuscitated their child who had gone into respiratory arrest due to a high fever and convulsions.



Karl Reichenbach was recognized as a key figure in Cecil County's EMS system.



Linda Jarboe gave CPR instructions over the phone to the mother of a 2-1/2 year-old child who had stopped breathing.



(L-r) Gary Jones, Wayne Dyott, Marc Stockley, Ray Taylor, and Kevin Knussman served their community by volunteering over 30 hours a week to establish an advanced life support system in the Easton area.



Martin Stinette was recognized for his contributions to southern Maryland EMS by organizing the junior auxiliary program at the Ironsides Rescue Squad and for his support of Charles County's EMT-paramedic program.



Maj. Gary E. Moore was recognized for his pioneering efforts, contributions, and leadership in the Maryland State Police Aviation Division from 1969 to 1986. Maj. Moore, who flew the first Med-Evac mission in Maryland, went on to become the commander of the Aviation Division.



Andy Sumner, MD, president of the Maryland chapter of ACEP, presented an award on behalf of the chapter to State Senator Frank Shore. Senator Shore was recognized for his leadership in public safety, especially his leadership in promoting mandatory seatbelt legislation.



Lt. Timothy Dayton was recognized for his work in elevating the Tri-Towns Rescue Squad to the professional level it enjoys today.



Leonard King was recognized for his leadership as president of the Maryland State Firemen's Association in bringing together the EMS organizations in Maryland and for his dedication to the statewide EMT program.



Thomas Majerus, PharmD, was honored for his efforts in developing and instructing training programs in pharmacology and other EMS-related courses to prehospital care providers.



(L-r) Lt. Melvin Hagner, Jr., and Firefighter William Novolsel, of Anne Arundel County, rescued an elderly woman who was trapped and unconscious in a burning dwelling and successfully gave her CPR.



(L-r) EMT Douglas Russell, Mr. and Mrs. Sales, daughter Angela, and CRT John Bentley. CRT Bentley and EMT Russell, both of Lisbon Fire Station, successfully delivered Angela enroute to Carroll County General Hospital. The birth was difficult because Angela, whom the doctor had planned to deliver by cesarean section, was born early, in breech position, and without pulse or respiration. Mr. Bentley successfully administered CPR and saved Angela's life.



Four years ago, Sandy Lee suffered a near-fatal accident while responding as a Prince Georges County firefighter. She received approximately 800 units of blood and underwent 57 operations. Through her tenacity and courage, she survived the accident but was left confined to a wheelchair. Since that time she has been one of the strongest advocates for Maryland EMS and has developed an outstanding firefighter training program "Under the Wheels" that addresses firefighter safety aboard apparatus.



Commander Martin LePore, of the Howard County Fire Department, developed an evaluative data system "Managerial Analysis of Emergency Medical Services." This system evaluates data concerning Region III's EMS delivery system, with emphasis on Howard County.



(L-r) Norman, Edgar, Mike, and Frank Jones. Battalion Chief Edgar Jones, Sr., of Annapolis, was honored for his 39 years of volunteer and career service to the fire department. His three sons are also continuing the family tradition.



Superintendent Maxwell Taylor accepts an award on behalf of the Maryland Department of Natural Resources Police. They are the first police force on the east coast to require that all their officers be certified as EMTs. Their officers play an active role in EMS since they are often the first-responders in areas that are inaccessible to conventional EMS resources.



TFC Richard Anderson received award plaques on behalf of himself and Cpl. Edward Hanna and Cpl. Brian Brinsfield. With Helicopter 5 of the Maryland State Police Aviation Division based in Cumberland, the three were honored for their life-saving efforts in the helicopter rescue of many citizens stranded during the floods in Western Maryland last November.



Cpl. Ernest Pletcher, of the Frederick State Police Barracks, was honored for his actions in initiating CPR and resuscitating a citizen struck by an automobile on a heavily traveled road in Frederick County.



Lt. Edward Calvert was honored for his dedication, professionalism, and compassion in instructing EMT candidates and for his leadership in improving EMS in Baltimore County.



Capt. Rodney McCoy with Mr. and Mrs. Poffenberger. Due to the efforts of Capt. McCoy of the Pioneer Hook and Ladder Company in Hagerstown, Mrs. Poffenberger survived the fire that engulfed her home and took the lives of her three children.



Paula Luskus and Leon Hayes were honored for their work in health and safety programs in southern Maryland, especially the Community Alcohol Program.



An award honoring Edwin "Toad" Bowman was presented posthumously to his family - his wife Jamie and daughters Sandy and Debbie. A CRT and firefighter with Level Volunteer Fire Department, Mr. Bowman was recognized for his dedication and contributions to Harford County and Maryland EMS. He died July 15, 1986.



Cpl. Robert J. Purnell (Maryland Department of Natural Resources Police) and Ray Maddox (not present at the banquet) saved the life of Robert Brownley (the son of Mr. Maddox). When his automobile overturned, it trapped Mr. Brownley underwater for nearly 10 minutes. Mr. Maddox rolled the vehicle off his son and Cpl. Purnell successfully initiated CPR.



L. Eugene Johnson, president and rescue chief of the Carroll Manor Fire Company in Frederick County, was a driving force in the development of that company.



Long before her automobile accident, Karen Colvin, RN, was an advocate for persons with disabilities. She is still serving them as founder and director of the National Spinal Cord Injury Hotline, whose 300 volunteers nationwide have received more than 6000 calls for advice. Ms. Colvin is also chairwoman of the Friends of Shock Trauma, a member of the Board of Visitors of Shock Trauma, and works for the Special Olympics. In her role as Ms. Wheelchair of Maryland, Ms. Colvin is the statewide spokesperson for the handicapped.



Capt. Jim Henry and Chief John R. Frazer accept an award on behalf of the Baltimore City Fire Department. The department was recognized for its leadership in recognizing the dangers of hazardous materials in industrial Baltimore and coordinating representatives from the public and private sectors to devise a model hazardous materials incident response plan.

EMS Week: Region III

In conjunction with the many activities of EMS Week '86, Region III sponsored EMS Day '86 at the Annapolis Elementary School and Annapolis City dock on Saturday, September 20. The public was invited to view displays of EMS system components and equipment on the school grounds and to see rescue boats that were moored at the city dock. John Donohue, Region III administrator and coordinator of EMS Day '86, described the purpose of the program as increasing the public's awareness of the

EMS services that are available in the region.

The day's events included demonstrations of an emergency response to a mock cardiac arrest, car accident, and drug overdose. In these scenarios, pre-hospital care providers performed the actual steps of stabilization and preparation for transport, which were narrated by Mr. Donohue. The broadcast of medical consultation requested by EMS personnel "on the scene" from emergency physicians added to the realism of the

demonstrations.

The variety of participants of EMS Day '86 represented aspects of Maryland's systems approach to emergency medical care: from prehospital care to support services for EMS providers to emergency department treatment. Rescue units from the Joppa-Magnolia Volunteer Fire Company, Anne Arundel County, Baltimore City, Baltimore County, and Howard County fire departments were available for viewing by the public. The Anne Arundel Alarmers Association served refreshments from its vehicle. Samples of equipment used in underwater rescue were displayed by the dive team of the Anne Arundel Fire Department. Booths were sponsored by the Emergency Health Services Association from UMBC, the American Red Cross, the American Trauma Society, MIEMSS, MIEMSS Field Nursing, and the Maryland Chapter of the American College of Emergency Physicians.

The Anne Arundel Alarmers Association, an affiliate of the Anne Arundel County Fire Department, is an organization of 40 volunteers who serve food and beverages to emergency personnel at incident sites. Roland Kroeger, president of the association, estimated that they have responded to more than 90 calls in 1986. They respond to second-alarm fires and when requested by the Anne Arundel Fire or Police Department; they also have mutual aid arrangements with neighboring counties and with Baltimore City. The Alarmers have provided support during incidents such as searches for missing persons, prison escapes, brush fires, and chemical spills.

The dive team of the Anne Arundel County Fire Department displayed some equipment used in its water rescues. In addition to the familiar air tanks and dry suits, the group demonstrated a communication system, Buddy Comm, that enables a diver to have voice contact with another team member on the surface. Lt. Michael Pintarich described this communication system: the person on the surface wears a headset and microphone that are connected to 150 feet of cord and then to a small transmitter that the diver wears inside the hood of his protective gear. The diver places the device on the bone in front of the ear and can hear the voice of the team member on the surface; the diver's voice is transmitted



Extrication and patient care techniques were demonstrated on a mannequin in a vehicular crash scenario.



Members of the Howard County Fire Department prepare a "victim" of a mock auto crash for transport to a medical facility.



The public could gain first-hand experience with prehospital care equipment at booths sponsored by fire and rescue companies.

EMS Week: Region III

through the system to the headset. The dive team was organized two years ago and now has about 30 members. Training for the team consists of a 60-hour underwater diving course, which covers rudimentary and safety procedures for underwater work, and a 24-hour dive rescue course, which includes instruction on techniques such as search patterns.

The Maryland Chapter of the American College of Emergency Physicians (ACEP) was represented at EMS Day '86 by its president, J. Andrew Sumner, MD, and a member of its board of directors, Lynne D. Richardson, MD. Dr. Sumner, who is a physician in the Department of Emergency Medicine at the Johns Hopkins Hospital, described ACEP's primary goal as seeking to improve the quality of emergency medical care. The organization works to accomplish that goal by providing continuing education for its members and by educating the public about how to obtain access to emergency medical care and how to prevent medical emergencies.

The exhibit sponsored by the Emergency Health Services Association of UMBC was a "mock airport disaster in miniature." With model field and emergency vehicles (including helicopters) that are used in a disaster management class, EMS students illustrated the logistics of an emergency response. Dia Pronchick, president of the association, said that the booth was intended to demonstrate to the public the managerial as well as patient care aspects of the EHS

program at UMBC and to highlight the facets of emergency response.

The Red Cross exhibit, staffed by Scott Knox, a health services specialist with the Central Maryland Red Cross, presented information about the educational and direct services provided by that agency. The organization conducts courses on first aid, CPR, swimming, and lifesaving and provides first-aid stations for nonprofit events. Following disasters such as apartment fires and floods, the Red Cross offers a variety of services to victims. It ascertains immediate needs for shelter, helps people obtain medications (such as insulin), and conducts follow-up meetings with clients within days after an incident to ensure that they have adequate food, clothing, and shelter. Referrals are made to social services or counselors as needed.

The American Trauma Society's booth at EMS Day '86 described their mission of mobilizing public support to meet the challenge of trauma: to arrest the causes of senseless, needless injury and death. The society was established in 1968 as a nonprofit health organization composed of individual and organizational members. Its goals include promoting trauma awareness and prevention through national public information programs, developing and providing emergency medical information and training programs for the general public and EMS trauma professionals, and educating legislators about trauma and its effects on our society. The American

Trauma Society publishes a variety of periodicals and catalogues, offers a speakers bureau, and sponsors public service announcements to achieve its educational goals.

Rescue boats from the U.S. Coast Guard, Deale Volunteer Fire Department, and Department of Natural Resources (DNR) Police were on display at the dock. The military and civilian units work together, as appropriate, in providing EMS for the eastern shore waterways.

A fire and rescue boat and an inflatable, motorized craft were provided by the U.S. Coast Guard. These maritime vessels supplement our EMS system's resources in times of emergency need by performing searches, rescues, and fire suppression on the state's waterways. These activities are in addition to the Coast Guard's normal patrols, marine enforcement, and mission requirements.

The Deale Volunteer Fire Department's 43-foot fire and rescue boat carries the same EMS equipment as ambulances. It responds to incidents such as boat fires, which are often caused by fuel spills, and medical emergencies, the majority of which are caused by negligence on the waterways. The boat can pump water (1000 gallons per hour) or fog when combatting a boat fire. Fog has the advantages of absorbing heat quicker and causing less damage than water.

A three-passenger hovercraft from the DNR Police was also on display. This vehicle can travel on water (70 miles per hour) and can come onto land. It is especially valuable for rescues in inclement weather, when helicopters are grounded by fog or ambulances are limited by snow or ice. The hovercraft is used for ice breaking, firefighting, and transporting patients from areas that are inaccessible to other vehicles. The DNR Police plan to acquire another hovercraft that can transport 16 patients. Recognizing the special role it plays in EMS in another way, the DNR Police is the first such unit on the east coast to require that all its crew members be certified as EMTs.

The diverse terrains encompassed by Region III create various challenges for EMS providers. The participants in EMS Day '86 in Annapolis demonstrated to the public that they are prepared to respond effectively to emergencies in rural and urban areas as well as on the waterways.

— Linda Kesselring



The Deale Volunteer Fire Department's rescue boat was displayed at the Annapolis dock during EMS Day '86.

Address Correction Requested
MIEMSS, Maryland EMS News,
22 S. Greene St., Baltimore, MD 21201-1595

Director: R Adams Cowley, MD
Editor: William E. Clark,
(301) 528-7800
Managing Editor: Beverly Sopp,
(301) 528-3248

University of Maryland at Baltimore
22 S. Greene St., Baltimore, MD 21201-1595

Published monthly by the
Maryland Institute
for
Emergency Medical Services Systems



Region IV

Many ambulance and fire companies in Region IV held open houses during EMS Week. Representatives of fire companies gave talks on fire safety at schools in the area. Proclamations of EMS Week were made by several county commissions in the region.

The Volunteer Fire Company #1 of Chesapeake City celebrated its 75th anniversary during EMS week. This company recently implemented ALS in lower Cecil County.

A public education and information display was sponsored at the Shoal Creek Mall in Cambridge by the Dorchester County Ambulance Committee and Dorchester General Hospital. A photo

exhibit illustrated the emergency medical services offered by the hospital. An extrication was demonstrated by EMS personnel.

The Talbot ALS system was described to the public during Business Showcase '86 at the Talbot County Community Center. MIEMSS' slide-tape show titled "EMS: A Systems Approach" was shown, and an ALS vehicle was displayed.

A Teddy Bear Clinic was held in the emergency department of Peninsula General Hospital Medical Center. Clinicians used the clinic to demonstrate medical care to children by treating teddy bears as mock patients.

The Ocean City EMS System, in conjunction with the Maryland Fire and Rescue Institute, Worcester County Volunteer Firemen's Association, and MIEMSS, conducted a workshop for prehospital care providers. The topics were pediatric emergencies, infection control for EMS, cardiac emergencies, and when BLS units should call for ALS units.

Region V

The Southern Maryland Hospital Center in Clinton gave blood pressure, glucose, and pulmonary function screenings at the Charles County Fair. In the hospital lobby, a variety of displays were presented throughout the week. A trauma lecture was offered to CRTs at Charles County Community College.

A Teddy Bear Clinic and emergency department open house were sponsored by Physicians Memorial Hospital in LaPlata. A monthly lecture series for fire/rescue personnel was initiated during EMS Week.

Greater Laurel-Beltsville Hospital in Laurel gave tours of the emergency department for elementary school children. Laurel Volunteer Rescue Squad displayed response vehicles at the hospital.

EMS Awards Banquet

(Continued from page 5)

Also honored but unable to be present at the awards ceremony were the following.

Scott Hammond, Ben Snyder, and Rob Snyder, high-school students from Boonsboro, Washington County, led an elderly couple from their burning home minutes before the roof collapsed.

Blaine Snyder, president of the Washington County Volunteer Fire and Rescue Association and incoming president of Regions II's EMS Advisory Council, was honored for his contributions to the regional 911 and EMS communications system, the regional council, and his fire company.

Sean King, from the Prince Georges County Fire Department, secured a rope and swam to an 11-year-old boy who had fallen through the ice, returning him to safety. The day of the awards banquet, Mr. King was at the International Fire Chiefs Conference in Dallas where he received an award for the same rescue.

Under the direction of Habern Freeman and Georgia Hodson, the Harford County 911 system was developed. Since its inception in October 1984, it has received almost 44,000 calls for service and praise from the Maryland Emergency Number Systems Board.