1 SimMan 3G Patient Simulator
Designed to help you train in any environment, the durable-construction SimMan 3G incorporates wireless technology with a built-in compressor. In addition, with its own on-board fluids, you can introduce simulated blood and secretions from various points on the simulator. The high-tech but affordable SimMan 3G also makes it easy to implement your simulation-based training program. It features an automatic drug-recognition system and pupils that react to light. The SimMan 3G offers multiple modes of operation, including automatic physiological responses, and the ability to run pre-programmed scenarios, such as Advanced Cardiac Life Support or Terrorism Response scenarios.
Laerdal > 800/648-1851 Ext. 3237 > Chris.Devenny@laerdal.com > www.laerdal.com

2 Glidescope DVR
The Glidescope DVR (digital video recorder) is a new module to record intubations performed with Glidescope Ranger video laryngoscopes. The device creates a digital record of endotracheal tube placement, confirming that a tube has been properly placed. The files are easily transferred to any computer via memory card. The DVR files can serve as a valuable teaching tool, allowing evaluation of intubation technique and enabling playback of best practices in the use of the Glidescope video laryngoscope.
Verathon > 415/629-5604 > lorraines@verathon.com > www.verathon.com

Innovative new products showcased at the 27th Annual EMS Today Conference & Exposition
>> BY FRAN HILDWINE, BS, NREMT-P, CCEMT-P

The JEMS product review team, a group of seasoned EMS providers, scoured the exhibit hall at the EMS Today Conference & Exhibition in March looking for the most innovative, functional and potentially life-saving products to come onto the market in the past six months. This year, the team evaluated more than 70 new products, but they selected the following top 30 (presented in random order), because they felt they offered remarkable improvements to patient care and provider performance. Look for many of the other products released at EMS Today in future JEMS Hands On columns.
3 Continuous Care Nebulizer
Nebulizers on patients are like pacifiers on infants: Take them away and panic sets in. The Continuous Care Nebulizer puts a stop to this. The patented Rapid Medication Port enables emergency personnel to refill the medication chamber without disassembly and removal from the patient. The result? Continuous treatment, reduced patient anxiety, greater patient comfort and less administrator time.
Care2 Medical > 877/646-1886 or 949/646-1886 > jsable@care2medical.com > www.care2medical.com

4 Panasonic Toughbook H1
Panasonic Computer Solutions Company’s cool new Toughbook H1 is a fully rugged mobile clinical assistant that truly meets the demands and ever-changing needs of EMS providers. The H1 redefines performance and functionality for the MCA category, with six hours of battery life, dual hot-swappable batteries, standard daylight viewable screen and integrated Gobi technology in a sealed and easily sanitized package. Each of these technological advances are critical to maximizing EMS responders’ efficiency and productivity, all while protecting vital patient data.
Panasonic > 888/223-1012 > toughbook_sales_support@us.panasonic.com > www.panasonic.com/toughbook

5 EDU-436 Emergency Disinfection Unit
The Lumalier EDU-436 is an advanced, portable disinfection device that provides 3–6 log (unit of measure) disinfection to your ambulance, equipment room or other enclosed areas. The EDU-436 generates a lethal dose of ultraviolet germicidal energy to quickly and thoroughly destroy airborne and surface pathogens that cause MRSA, Acinetobacter, C. difficile, vancomycin-resistant enterococci and other infections, all without the use of chemicals. For use in unoccupied space, the EDU-436 measures 10” x 10” x 14” and operates at 120V.
Lumalier > 800/774-5799 > lumalier@lumalier.com > www.lumalier.com

6 METIman
METI’s newest patient simulator, METIman, was created by paramedics specifically for prehospital care. METIman is designed to provide everything you need in a patient simulator to train first responder EMTs and paramedics for initial assessment and treatment. It’s economical, fully wireless and built tough for portability and durability. Its touch-screen software provides a user-friendly, Web-based interface that’s compatible with both Mac and PC platforms.
METI > 866/233-6384 > info@meti.com > www.meti.com
**Prestan Manikin**  
Realistic to the eye and touch, the Prestan manikin is uniquely designed as a clamshell to accommodate an easy-to-insert face shield lung bag. And its revolutionary new CPR rate monitor gives instant feedback to both instructor and student regarding the rate of chest compression. This allows each student to gauge their rate of compressions on their own and the instructor to easily monitor several students simultaneously.  
**World Point** > 888/322-8350 > customerservice@eworldpoint.com > www.eworldpoint.com

**G3 Power Driver**  
Vidacare’s new EZ-IO G3 Power Driver is the next advancement in the widely successful EZ-IO intraosseous infusion system. This smaller and more advanced version of the EZ-IO Power Driver is designed to be stored in cramped cases or bags with or without a specially designed case. With enough life for more than 750 insertions by this rugged and compact driver, which now features a low-battery light and trigger cover, you’ll be better equipped than ever to provide immediate vascular access.  
**Vidacare** > 210/587-3994 > steve.dralle@vidacare.com > www.vidacare.com

**MCV100 Mass Casualty Ventilator**  
The MCV100 is a battery-powered, weather-resistant ventilator specifically designed to meet the unique demands of mass casualty incidents. This ventilator can deliver ambient air, oxygen, or a mixture of both for oxygen conservation. It also features an assist control function for spontaneously breathing patients and a full array of audible and visual safety alarms. The MCV100 can be powered by its internal rechargeable battery, 12V DC or standard 110V wall electricity.  
**Allied Healthcare Products** > 800/775-0602 > masscasualty@alliedhpi.com > www.alliedhpi.com/masscasualty

**CoFlex AFD**  
Latex-free CoFlex AFD is an all-in-one foam pad dressing/self-adhering bandage. A highly absorbent foam pad is attached to CoFlex LF2 for quick and easy application. A waterproof film layer prevents leakage, drying out and contamination. Best of all, it sticks without clips or fasteners while providing controlled compression. CoFlex AFD is available in sizes 2” x 2.5 yards, 4” x 2.5 yards, 4” x 7.5 yards and 6” x 2.5 yards.  
**Andover Healthcare** > 800/432-6686 > sales@andoverhealthcare.com > www.andoverhealthcare.com
LIFEPAK 15 Monitor/Defibrillator

Physio-Control defibrillators have set the standard for more than 50 years. The LIFEPAK 15 monitor/defibrillator is an all-new platform that raises the bar with a design developed in partnership with EMS professionals. This collaboration led to a design focused on clinical innovations, such as carbon monoxide monitoring and CPR guidance via a clinically proven metronome; operational innovations, such as a bright color LCD screen with SunVue and the latest lithium-ion battery technology; LIFEPAK TOUGH technology, which makes it Physio-Control’s most rugged monitor/defibrillator; and a user interface and footprint shared with the LIFEPAK 12 defibrillator/monitor to reduce training and switching costs.

Physio-Control > 800/442-1142 > www.CheckOutTheFuture.com

IntuBrite Laryngoscope Blade

The IntuBrite Laryngoscope Blade is a patented design utilizing a unique blacklight illumination source (in addition to a white, LED illuminator) to enhance visualization of the vocal cords during prehospital and in-hospital endotracheal intubation procedures. The blacklight technology causes the vocal cords to brightly phosphoresce during placement of the tube, thereby dramatically improving the efficacy of insertion and supporting better patient outcomes. The IntuBrite HyperVisualization System includes the specialized disposable blade in seven sizes and styles, phosphorescing stylet guide, ergonomic perfect-position custom handle, long-life Custom PowerCell, focused-tip McGill Forceps and light-collecting optical protection options. Although you’ll love the new style of handle and stylet, if you just want to try the disposable blades, you can because they’ll work with standard handles as well.

IntuBrite > 760/729-7974 > sales@intubrite.com > www.intubrite.com

Increase the SAFETY of your Crews & Patients during Patient Transport

Ferno Defibrillator Mounts

available for the Lifepak® 12 & 15, Zoll® M & E Series, and Philips HeartStart MRx

Ferno > 877.733.0911 > www.Ferno.com/Defibmount
13 ReadyVIZ Stow-Away Vest System

The ReadyVIZ stow-away vest system allows you to simultaneously meet several safety standards, while providing the peace of mind and convenience of having a high-visibility vest built into your team’s jackets. The ReadyVIZ vest is secured in a specially designed storage pocket on the lower back of select Ricochet jackets. The vest deploys quickly and easily, delivering immediate protection certified to ANSI/ISEA 107-2004-Class 2 and ANSI/ISEA 207-2006-Class 2. ReadyVIZ combines with Ricochet’s high-quality NFPA-1999 certified jackets to provide an unbeatable combination of safety and comfort. The vest can also be purchased and worn separately.

Ricochet > 888/462-1999 > info@ricochet-gear.com > www.ricochet-gear.com

14 MedVault Narcotic Locker

Narcotic access can be effectively and efficiently controlled and audited with the Knox MedVault. With this drug locker, controlled substances are secured until authorized personnel access them with their unique PIN code. An audit trail showing the time, date and PIN code is recorded each time the vault is opened, and with the patent-pending Virtual Interlock Validator, the door of the unit must be closed and locked for the audit trail to record the box as closed.

Knox > 800/552-5669 > info@knoxbox.com > www.knoxbox.com

15 Six-Pak Kart

The Six-Pak Kart is a cost-effective alternative to the stair chair and a convenient patient transfer system. It assembles quickly with an easy-to-use three-strap anchoring system that attaches to a long spineboard or scoop-type stretcher. It eases patient transport up and down stairs, and simplifies the maneuvering of patients around tight corners or elevators. The Six-Pak Kart offers stability and control to rescuers and decreases injury to them and patients. The Kart’s unique tri-wheel design stays in constant contact with stair risers and works well on an open-rise step, enabling your crew to “walk” the device down stairs. It secures to devices 12–18” wide and articulates to fit tapered boards.

Watercrest Industries > 218/439-3660 > watercrestinfo@arvig.net > www.watercrest-ind.com

16 Paramedic Practice Today

Mosby’s new two-volume set Paramedic Practice Today: Above and Beyond offers a solid foundation for paramedic practice in a conversational, easy-to-read style that simplifies topics and helps you master National Standard Curriculum objectives and meet the new National Education Standards. Each volume includes a companion DVD-ROM with step-by-step videos that demonstrate the skills in the textbook and more. Because this two-volume set corresponds to the National Registry of EMTs National EMS Practice Analysis, it will serve as an exceptional tool to prepare for the National Registry exam.

Mosby > 800/545-2522 > www.us.elsevierhealth.com > redbooks.elsevier.com
Houdini PRO
The Houdini PRO is a handheld extrication tool, designed specifically with emergency rescue professionals in mind. The PRO comes in yellow or black and features a stainless steel, folding rescue hook that will cut anything from seatbelts to leather boots. The Houdini PRO also incorporates a RELIABLE spring-loaded center punch and a five-lumen LED light for low light situations.

Houdini > 866/927-2280 > customerservice@houdinitool.com > www.houdinitool.com

68W Advanced Field Craft: Combat Medic
Today’s combat medic is the most technically advanced ever produced by the U.S. Army. Such an advanced technician requires an advanced teaching and learning system. The 68W Advanced Field Craft textbook is designed to prepare combat and tactical medics for today’s challenges in the field. This text combines complete medical content with dynamic features to support instructors and prepare combat medics in emergency medical care, force health protection, limited primary care, evacuation and warrior skills for their missions.

Jones & Bartlett > 800/832-0034 > info@jbpub.com > www.jbpub.com

Field Expedient Bleeding Simulation System
The Field Expedient Bleeding Simulation System is an extremely effective simulator that can be used with any simulation manikin. Each bleed can simulate any combination of capillary, venous or arterial bleeds and create the chaos of a major trauma bleed at the touch of a button. The FEBSS dual-bladder system includes two 12” x 4” x 4” bladder bags and a 12” x 2” x 4” control pack.

Skedco > 800/770-SKED > Skedco@skedco.com > www.skedco.com

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**QuikClot Emergency Dressing**
QuikClot Emergency Dressings have been extensively tested in three lethal models conducted by the U.S. Navy Medical Research Center (NMRC) and the U.S. Army’s Institute for Surgical Research (USAISR). Based on the same blood clotting technology chosen as the number-one hemostatic agent for use by all U.S. military branches per CoTCCC guidelines, this dressing will stop hard-to-control bleeding fast. Z-Medica

803/294-0000 > rhuebner@z-medica.com > www.z-medica.com

**Enhanced C-A-T Tourniquet**
The C-A-T (Combat Application Tourniquet), one of the most widely used tourniquets on the market, is even better this year. The new C-A-T’s windlass rod is now two times stronger and has a reinforced windlass clip. It also features a writable and highly visible security tab that allows providers to record the time of application for easy viewing by all involved in the patient’s care. The C-A-T also has a red elliptical tab to assist the user in locating and threading the strap during application. North American Rescue

888/689-6277 > info@NARescue.com > www.NARescue.com

**CELOX-D**
This addition to the CELOX line of hemostatic granule agents is designed to effectively stop moderate to severe bleeding. CELOX-D uses the same chitosan-based agent as traditional CELOX, but with a new, unique and highly effective delivery system. The agent is contained in three dissolvable bags that allow precise and easy placement. Each bag breaks down upon contact with blood, releasing the agent right where it’s needed in the wound. SAM Medical

800/818-4726 > customerservice@sammedical.com > www.sammedical.com

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Choose 50 at www.jems.com/rs
23 **Driveline Brake**
The D-Brake Driveline Brake is a supplementary brake/retarder built for Ford E- and F-Series 250, 350, 450 and 550 that extends OEM brake life by an average of three times and increases the vehicle’s safety while decreasing pedal effort and stopping distance. This is a liquid-cooled disc brake mounted in the driveline, with no drive-shaft modification necessary in most vehicles. The D-Brake weighs just 65 lbs. and has virtually no electric draw. D-Brake > 860/826-4050 > info@dbrake.com > www.dbrake.com

24 **Turley Backboard Pad**
This gel pad can be placed on any backboard to improve patient comfort and prevent pressure sores. The pad can also be easily cooled or heated to aid in treating hyperthermia and hypothermia, keep trauma patients warm or act as an adjunct for inducing therapeutic hypothermia. It can also be folded in half as a head bed and cooled for use during splinting. The pad works under pediatric patients, keeping the spine and larger pediatric head in alignment and the airway open. After a call, the Turley Backboard Pad can be cleaned and used again and again for years.

Turley > 877/460-3326 > amy@turleybackboardpad.com > www.turleybackboardpad.com

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**Defibrillator Mount**

The new line of Ferno defibrillator mounts increases the safety of EMS crews and their patients by securing defibrillators inside ambulances and other rigs during vehicle response and patient transport. Each defibrillator mount is easily installed on an ambulance countertop or bench, or in the compartment of a first response ALS engine or ALS squad vehicle. The mount features a quick-release mechanism that allows easy locking and unlocking of defibrillators for grab-and-go convenience on scene. Ferno defibrillator mounts are currently available for Physio-Control and ZOLL defibrillators.

Ferno > 877/733-0911 > info@ferno.com > www.ferno.com/defibmounts

**HeartStart MRx Monitor/Defibrillator Enhancements**

Philips Healthcare has made several major enhancements to the HeartStart MRx monitor/defibrillator. The MRx now includes unique STEMI decision-support tools, enhanced data-management solutions and impressive new Q-CPR monitor and feedback technology. Unlike other monitor/defibrillators currently available, the MRx offers the innovative DXL 12-lead algorithm with such tools as STEMI-culprit artery identification, critical values and enhanced gender-specific diagnostic criteria.

Philips Healthcare > 800/453-6860 > healthcare@philips.com > www.medical.philips.com/goto/heartstart

**Siren ePCR Suite**

Medusa’s Siren ePCR Suite is a complete electronic patient care reporting (ePCR) software system that allows crews to chart in real time, share data with hospitals, manage ePCR workflow and analyze patient data with an in-depth reporting package.

Medusa > 902/429-1200 > sales.info@medusamedical.com > www.medusamedical.com

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**Clinical Clues**

By Paul Werfel

Paul Werfel has crafted EMS field stories that challenge you to think. He has masterfully woven important scene circumstances and vital signs that deviate from the norm into case presentations that challenge the minds of newly certified EMS personnel and seasoned veterans.

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Training For Life

Traction Splint Trainer

Traction splint application requires the ability to regulate how much force is applied to patient’s leg. There has never been a way to monitor that, until now. Simulaids’ new Traction Splint Trainer can be set to correspond to an individual’s body weight. This allows the instructor to determine if the student is correctly applying the rule of thumb that states “10% of the body weight traction results in adequate relief for, but no further damage, to the patient.” The Traction Splint Trainer can be adjusted for body weights ranging from 100 lbs. to 300 lbs. The electrical, push-button panel makes simplified selection easy. This AC electrical trainer comes completely assembled and requires attachment to a baseto secure it during training sessions. After applying traction the deformity of the thigh recedes and splint can be applied, including any standard ankle hitch.

Call for your FREE 2009 Catalog Today! 1-800-431-4310 www.Simulaids.com
28 **Blizzard Heat Casualty Blanket**

The Blizzard Heat Casualty Blanket lets you provide field hypothermia care in a compact and affordable package (9” x 3” x 12”, 4 lbs.). Four removable oxygen-activated heating pads line the pod-shaped design and allow for head-to-toe coverage (approximately 7 ft.) of your patients. A Velcro® top closure seals in heat, and side Velcro® strips allow extremity access for quick vital sign check with minimal heat loss. PerSys Medical  > 888/737-7978 > info@ps-med.com > www.ps-med.com

29 **ActFast Anti-Choking Trainer**

The ActFast Anti-Choking Trainer is a true breakthrough in CPR training. Put on the vest and try your technique; if it’s poor, nothing happens. But if your hand position and technique are correct, a foam plug shoots into the air, providing exciting proof of success. This device allows instructors to know when their students have learned the technique properly. It’s easy, fun and foolproof, and works in conjunction with a standard bag-valve mask. Students leave class trained and confident, and they never forget. ActFast Med LLC  > 916/934-6060 > info@actfastmed.com > www.actfastmed.com

30 **T-5000 Respirator**

This P-95 disposable respirator filter, with Triosyn antimicrobial protection, prevents live virus inhalation 100 times better than competitors’ respirator filters. The T5000 is comfortable to wear and protects against mists, splashes and sprays of oil, blood and bodily fluids. Adjustable straps and a unique nose piece deliver a secure fit. The full-face foam seal also allows wearers of various face shapes and sizes to achieve a tighter fit with reduced potential air leakage. Clyns Brands  > 877/GO-CLynS > info@clynsbrands.com > www.clynsbrands.com