



BMETS Newsletter

April 2011

<http://www.BMETS.org>

**SEP 2010—Aug 2011
BMETS Officers**

President:
Rob Bain, Sinai Hospital

Vice President:
Lola Lyttle-Hill, Sinai Hospital

Treasurer:
Open

Secretary:
Roy Leake, Retired BMET

THE PRESIDENT'S THOUGHTS

We are coming to the end of a fantastic year. We have vendors that want to sponsor us and several that are willing to sponsor a meeting every year. The attendance is excellent and I have heard great feedback from the membership on our presentations. The officers would like to thank the membership for making the organization a success, without attendance we would not have an organization. Without leadership we would not have direction. On that note lets step up and fill the Vice President position. It is important to show leadership and interest to keep the organization moving forward. I just finished an interview with the 24-7 Publication to be in the May issue and this will give us even more recognition. The organization can continue to move forward, we need to keep the course and



Rob Bain

continue to improve. hope to see everybody April 14 and for the May bash.

Rob Bain, MS, CBET
BMETS President

FDA U.S. Food and Drug Administration

www.fda.gov

Articles/Safety Tips

<u>Device</u>	<u>Date</u>	<u>Title</u>
Infusion Pumps	03/01/11	"Smart" Infusion Pumps are Selectively Intelligent
Phototherapy	02/23/11	Infant Phototherapy Light
Resectoscopes	09/24/10	Resectoscopes for Infants and Babies
Wound Therapy	09/01/10	Negative pressure wound therapy: Use with care



Class 1 recall

Physio-Control Inc., LIFEPAK 20 and LIFEPAK 20e External Defibrillator/Monitors

Date Recall Initiated: May 27, 2010

Product(s): LIFEPAK 20 and LIFEPAK 20e External Defibrillator/Monitors

Physio-Control notification and instructions to search for affected devices by serial number.

The serial number is located on the underside of the device and contains only numbers.

Approximately 42,943 devices were distributed worldwide between September 16, 2002 and September 27, 2007. These devices were manufactured from July 31, 2002 to September 19, 2007.

Use: The LIFEPAK 20 and LIFEPAK 20e defibrillator/monitor is designed for use by trained medical personnel in hospitals and clinic settings to monitor patient heart rhythms and to treat patients experiencing cardiac arrest.

Recalling Firm:

Physio-Control, Inc.

11811 Willows Road NE

Redmond, Washington 98052-2003

Reason for Recall: A failure on the power supply assembly can result in either "No DC power" or "No DC or AC power". A failure of DC (battery) power can result in the inability to deliver defibrillation therapy if the device will not turn on using DC (battery) power and no AC (line) power is available.

Public Contact: Physio-Control Technical Support at rs.sealifepaksupport-usa@medtronic.com or call 1-800-442-1142, Monday – Friday between 6:00 A.M. and 4:00 P.M. (Pacific Time).

FDA District: Seattle

FDA Comments: The firm began mailing notification letters to affected customers on May 26, 2010. All affected power supplies will be updated. Customers are advised to keep the defibrillators in service and follow recommended daily Operator Checklist steps while service updates are scheduled.

Class 1 recalls are the most serious type of recall and involve situations in which there is a reasonable probability that use of these products will cause serious adverse health consequences or death.

Hot Topics

AAMI, 4301 North Fairfax Drive, Suite 301, Arlington, VA 22203

The STERIS System 1 Processor (SS1) is a tabletop liquid chemical system promoted to provide sterile processing of instruments, such as endoscopes, bronchoscopes, and other medical devices, between patient uses. The SS1 uses a peracetic acid solution to destroy potentially dangerous microorganisms that could cause infections if left on medical devices. The SS1 is used in healthcare facilities — hospitals, outpatient surgical centers, and some physicians' offices.

On December 3, 2009, FDA sent a notice to healthcare facility administrators and infection control practitioners, stating that STERIS had significantly modified the SS1 and that the FDA has not determined whether the modified SS1 is safe or effective for its labeled claims. FDA has recommended the healthcare facilities with an acceptable alternative to the SS1 to meet their sterilization and disinfection needs should transition to that alternative as soon as possible. Facilities without an acceptable alternative to the SS1 should promptly assess their patient-care needs and sterilization and disinfection requirements and take steps to obtain substitutes for the SS1.

On February 2, 2010, the FDA recommended that healthcare facilities transition from the SS1 to alternative devices by August 2, 2011. FDA encouraged these facilities to transition as soon as practicable because the modified SS1 has not been cleared by FDA as safe and effective for its labeled claims.

Users of the SS1 are working to determine alternatives to the SS1. They are faced with a number of challenges in doing so. Acceptable sterilization methods must be determined by checking the manufacturer's instructions for each device; there may not be alternatives in the instructions in which case the manufacturer needs to be consulted to determine if there are validated alternatives; and even if there are, significant time, training and money may be required to change



AAMI 2011 (June 25-27, in San Antonio) offers educational, networking, and personal-development opportunities that will enable you to expand your expertise, increase your productivity, develop lasting relationships with your peers — and ultimately advance your career.

Educational Sessions focus on the key issues that you and your peers are dealing with today —

CALENDAR OF EVENTS

CHECK THE WEB PAGE FOR UPDATES

April 2011—GMI will present a class on Nuclear medicine and we will be handing out a certificate as it will be a lecture -class

May Bash 2011 — Location has not been decided yet. Need some input from the members!

June 25-27, 2011—AAMI Conference & Expo, San Antonio, Texas — offering education, networking, and personal-development opportunities that will enable you to expand your expertise, increase your productivity, develop lasting relationships with your peers — and ultimately advance your career.

July & August, 2011 — Summer Break

September, 2011 — Monthly BMETS Meeting - Kickoff New Year from

Sep 2011 to Aug 2012 — New membership year.



European Space Agency

Washington, Dec 9, 2010: Long-distance ultrasound exams may soon become reality, thanks to a new robotic ultrasound system that performs remote operations controlled by specialists. ESA (European Space Agency) is testing the device, which is held against the patient. The ultrasound expert can then move the probe as if present in the examination room, rather than thousands of kilometers away. They control the device in real time using a joystick, based on ultrasound imagery relayed back. "The guiding principle behind telemedicine is that it is more convenient - and often much less costly - to move knowledge around than people," said Arnaud Runge, a biomedical engineer overseeing the Advanced Robotized Tele-echography Integrated Service (ARTIS) project for ESA. "Remote access can be vital for astronaut medical emergencies, and the system was originally developed for Earth-based space mission simulations, such as the remote Concordia base in Antarctica. "But ARTIS can also benefit a very broad community of terrestrial users, improving access to healthcare for people in underserved or isolated areas." ARTIS lets the remote operator move the robotic probe-holder through yaw, pitch and roll as well as instruct the holder to modify the ultrasound probe's pressure on the patient's body. The system includes an integrated videoconferencing option with remote-controllable webcam so the expert can watch the device being applied. This end-to-end tele-ultrasound service has undergone a series of field trials by healthcare professionals in a variety of configurations, including the use of satellite communications. "This brings in a couple of seconds delay but ultrasound professionals have adapted well in practice," Runge explained.

Plan to attend our next meeting April 14, 2011

Sponsored by: GMI, GMI Nuke Presentation outline: Steve's background, Nuke 101, how the science works, Evolution in the hospital, Architecture of the machine, Major players, Leading platforms, Common service incidents, Overview of what happens during a PM, What you can fix with limited training and access to parts, What takes an experienced FE to do, Quiz at the end, Open Q&A, Certificate for those who pass the quiz

Place: SNYDER'S Willow Grove Restaurant, 841 N. Hammonds Ferry Road
Linthicum, MD 21090

6:00 PM - Meet and Greet

6:30 PM - Dinner - good conversation.

7:30 PM - Business Meeting

8:00 PM - Vendor presentation

If you are not a member, then bring a membership application and \$55.00

RSVP - No RSVP will be accepted after , Thursday, April 7, 2011 bmets.rsvp@gmail.com
RSVP's ONLY Emails will be accepted - Place RSVP in the Subject line

New Procedure !!

What must be included in the RSVP's is:

1. Place RSVP in the Subject line
2. Name of individuals coming to the Meeting.
3. Name of Health Care Facility
4. Type of Nuclear Medicine Scanner
5. Certificates of Training will be awarded to those who pass the Quiz.

Please send your RSVP's to bmets.rsvp@gmail.com No later than April 7, 2011
Thank you for your cooperation in this matter.

Sincerely,
Rob Bain MS, CBET
President BMETS

Tools of the Trade

FLUKE

Biomedical

The 05-500 CAL/RAD Wiper Multi-Channel Analyzer Single-Well Wipe Test Counter is a compact, highly sophisticated, 4096 channel analyzer specifically developed for wipe testing in a nuclear medicine setting. The Wiper satisfies the strictest regulations, while providing a superior user interface. With its single well-type NaI(Tl) detector, the Cal/Rad Wiper is ideal for the cost-conscious department that wants total compliance and long-term reliability.



Sophisticated software makes getting accurate, detailed location reports fast, easy and effective. Up to 20 predefined locations may be entered into the system. On a daily or weekly basis, the user simply chooses "Do Wipe Test" from the main menu, selects a location from the library, and counts. A detailed report will be printed to the screen and/or the optional printer. The user may choose between a compact printer designed to complement the system, or may opt for an RS-Hewlett Packard or Epson printer (not included). For added versatility, the user may send all isotope data to a computer for storage or to another department via the built-in serial port.

- Meets all requirements for nuclear medicine wipe testing
- Integral-line NaI(Tl) well detector with heavy shielding for maximum sensitivity
- Full-featured multi-channel analyzer for high resolution detail
- Graphical display of isotope spectra and menu software
- Identifies unknown isotopes
- Automatic calibration for trouble-free compliance
- Removable well liner protects against detector contamination
- Meets all NRC and State Regulatory Requirements for unrestricted areas
- Ratio calculation for dual isotope studies
- Pass/fail warning
- Choice of full-page or compact printer (both optional)
- Provides wipe test reports by location, for easy regulatory compliance
- Results available in CPM or DPM

BMETS Monthly Meeting Sponsors



Advantage Medical Cables

<http://www.advantagemed.com/>

November 2010



Official Leader in Used Ultrasound Parts, Probes, Systems, Service & Repair

<http://www.conquestimaging.com/>

February 2010



FLUKE

Biomedical

<http://global.flukebiomedical.com/busen/home/defa>

September 2010



Pilot Medical Products

<http://www.pilotmedicalproducts.com/Products.htm>

November 2010



<http://www.destinysurgical.com/>

October 2010



<http://www.skytron.us/>

October 2010

BMETS Monthly Meeting Sponsors



GE Healthcare

<http://www.gehealthcare.com/worldwide.html>

November 2010

PHILIPS

sense and simplicity

http://www.healthcare.philips.com/us_en/

February 2011

OEM

Medical Solutions, LLC

<http://www.oemmed.com>

March 2011



Global Medical Imaging

<http://www.gmi3.com/>

April 2011

BMETS Web Site Statistics

January 2011 = 17066 total hits

February 2011 = 16842 total hits

March 2011 = 18751 total hits
