

## C.M.I.A. NEWSLETTER

Central Coastal Chapter

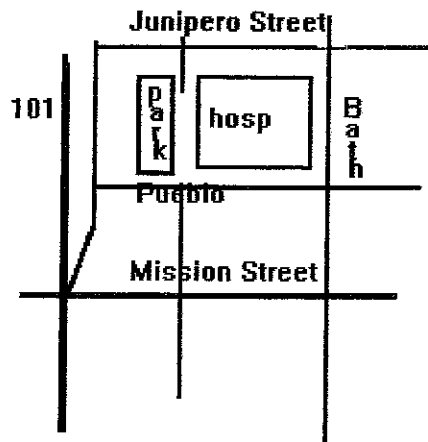
P.O. Box 360

Camarillo, Ca 93011

August, 2005

Volume 11.08

**The August meeting will be held at Santa Barbara Cottage Hospital on Tuesday the 16th in the Cancer Center conference room. Dinner is at 6:30pm with the monthly meeting to follow at 7pm. Please RSVP to Becky Bedel at 805-682-7111x7318.**



Directions: Exit 101 at Mission Street. Turn North toward mountains and make a left at the 3rd light (Bath Street). The hospital is 3 blocks up. Park in the hospital lot off Junipero Street. Additional parking is limited to street parking. Enter the hospital from Castillo Street. Walk the corridor to the 2nd elevator lobby, go left around the elevators and turn right. Past the elevator lobby is a double door on your right. Enter and make an immediate left. The conference room is at the end of the hall.

**Becky Bedel, our President, will be giving a training class. It's a mystery, so those attending will be well served, and no it's not a monitoring class.**

### **News off the Net: Open Positions for BioMeds.**

**Varian Medical Systems** has one open position in Burbank. See [careers@varian](mailto:careers@varian) for field service/customer support on the web at [www.varian.com](http://www.varian.com) for more information

Check out the CMIA Job Board at [www.cmia.org/jobs.htm](http://www.cmia.org/jobs.htm).

**NOVATEK Medical**, a medical equipment rental company has a FTE opening in their **Arcadia, Ca** office. Contact Philip Stuemke at 1609 W Wernsing Ave, Effingham, IL 62401. [prstumke@novatekmedical.com](mailto:prstumke@novatekmedical.com), 217-347-1011, 888-756-3047, or Fax at 217-347-1033. Mail or fax resume if interested. Posted 8/2/2005 on **BIOMEDTALK-L@LISTSERV.AOL.COM**

### **Dash 3000/4000 Battery Replacement - Buyer beware**

RE: The recent exchanges on alternative sources for the GEMS II Dash 3000/4000 batteries. =====

I would just caution those of you looking for an alternate source for GE Dash 3000/4000 batteries. I am aware of (3) occurrences where alternate source batteries exploded in a Dash monitor. (And an additional facility that insists they had a GE battery explode, although GE refutes this.) We had one such occurrence at our facility. The battery literally blew its contents out the side of the monitor. The monitor was ON, running on battery (no AC) and fortunately was not connected to a patient at the time. We had purchased the battery via R&D Battery, Manufacturer was Emerging Power. GE investigation of this incident indicated the root cause as "use of a non-GE-approved battery".....imagine that. Emerging Power investigation refuted this claim... imagine that. GE uses batteries from National Power and insists that they perform additional testing on these batteries to assure the quality and safety for the Dash monitors. GE indicates that they have not tested the so-called equivalent batteries available from National Power. I am aware that several of the Battery Distributors have recently worked out a method to purchase and sell "equivalent" batteries from National Power. If you decide to use 3rd party batteries via a battery distributor at least make sure that you are getting the National Power batteries. However, also realize that GE most likely will not stand by you in the event you have a failure! The GE batteries were priced at ~\$270, I was told by the GEMS II Product Manager for Configured Monitoring that GE was going to drop this price to ~\$206 to address the competitive issues related to cost. I will tell you that we made a deal with GEMS II to purchase the GE batteries for \$185. As a result of this incident and follow-up we have replaced all non-GE batteries with GE batteries and have plans in place to continue this practice with Dash 3000/4000 battery replacements. Buyer beware! We all use alternate source batteries in a wide range of products from a wide range of manufacturers. We all do this for cost savings and/or convenience. It would be great if the manufacturers" would pass along reasonable pricing that does not drive us all to purchasing alternative products....but typically manufacturer supplied batteries are far higher in cost....and many times it is for the exact same product but beware! Alan R. Barton, Director Clinical Engineering Department Arnot Ogden Medical Center 600 Roe Ave. Elmira, NY 14905 Tel: 607-737-4341 Fax: 607-735-4638 [abarton@aomc.org](mailto:abarton@aomc.org) <http://www.aomc.org/>

### **24x7 Soapbox Submissions**

Every day I see heated discussions on the listserv about topics such as the reliability of today's infusion pumps, the state of medical telemetry, JCAHO requirements, PM standards, user error, staffing requirements, etc. Share your opinions and insights with your peers in a Soapbox column in 24x7 magazine! Put together about 650-700 words on an opinion you think needs to be expressed and send it to me at [kstephens@ascendmedia.com](mailto:kstephens@ascendmedia.com) along with a headshot of yourself.

If you have any questions, please email me off the list.

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### **Up-side down display:**

This is a new one for me We've got a **Philips M1204A** display that is up-side down However, the touch points are in the correct place, e.g., while the selector box for "monitor set up" is up-side down on the top of the screen, if you touch the bottom of the screen where it should be, the display reacts correctly. We have already sacrificed a chicken and danced naked in the moonlight but it still won't work. Douglas West

What happens with another display? - Have you determined that the problem is in the display, and not the video driver board, or cable? Bill Knight Sacramento

This is a long shot, but something the Instructor did in "Radio and TV School", back when. He would reverse the CRT Yoke leads, resulting in a backward picture on the TV Screen. Everything would look normal, until the commercials would come on, and the printing, phone numbers; etc. would be displayed backwards. Oh, and the attempts at resolving the problem were valiant. Perhaps, the vertical deflection yoke connections (and I know typically they are connectorized now) somehow are reversed. My question, did this happen on a previously properly operating monitor? More likely, there is an electronics solution for the problem if it worked correctly before.

Regarding the touch screen working correctly, it is most typically a totally separate electronics function. I used to work for a company that built the NCR touch screens (and many many more electronics devices), and that was one of my areas of "expertise". Bill Wilson, Athens Regional Medical Center Athens Georgia

I forgot to tell you that it is a **LCD screen** so the problem is no yoke. Thanks Doug

There is usually a switch on the back of LCDs that will invert the image. All you have to do is find and flip that switch. It should be square with a round center where a small flat blade screwdriver will turn it. It would usually be labeled SW1, but might be SW2. David Longstreth, CBET DeKalb Medical Center Biomedical Technology Tel: 404-501-6558

We had a Zoll M Series unit that did the exact thing-upside down display after it was here a month. Zoll tech support had not seen that yet. We sent it in for repair and they replaced the display. Jeff Moser Clinical Engineering Department Saint Anthony's Medical Center St. Louis MO

We had a Drager/Siemens monitor that did the same thing not a touch screen though. The problem turned out to be the metal surround on the speaker was shorting out on a circuit board. Barry

I had the same problem with a computer monitor. Ended up my driver board was bad. Michael

Had a unit that did this under warranty and the Philips rep had to replace the main board. Twice in 3 months, if my memory serves - but then the unit was OK for at least a couple of years. I remember that it was a touch screen, and even though the display was upside down, the touch screen functions worked as though the display was not reversed and upside down. Good luck Jeff Shaffer

Thanks to all for the comments **Problem turned out to be the display PCB (\$400)**. Philips tech support told us it was the main PCB (\$1200 plus \$400 to get a Philips tech in to flash it). Don't know what the specific problem was since the board is all flat-pack surface mount chips and troubleshooting not economically viable. Thanks again Douglas West

I've been waiting to see what the resolve would be on this, as I've seen it before in air traffic control displays, and guessed that it was a register or a flip flop (definitely electronic of SOME sort) giving bad coordinates to the screen. Glad you didn't spend the \$1800. William Walker

Well, it wasn't the display PCB. The unit worked for a bit when the display PCB from another unit was installed but then it went up-side down again. After looking for loose connections, bad solder joints, etc., we were down to the **LCD itself**. I can't begin to tell you why, but that turned out to be the problem. The display is obviously more active than I thought it was! Doug West

**GE legacy:** I have a GE Legacy Advantx that prints to an 8700 dry laser. I have about 8 other pieces that print also. My IS dept is saying the unit is Broadcasting through our network and slowing down the network. I have updated to the latest software pak "4" and also scanned for viruses, none. GE, IS and myself cannot stop this. Rebooting solves it for a couple of days. We were thinking the broadcasting is a result of a busy printer, so it keeps looking for it????? Any suggestions are welcome. Bob Z Tawas St Joe

If you're using a switch, have you tried moving the Advantx to a different port? Have you replaced the network interface card? These can fail causing a "packet storm" on the network.  
Mark Freeman

The 8700 is just a printer. I would check to see if there is a Kodak printer server in the food chain somewhere. Try the following WITH IT involved (not doing so could void your employment). Hook up a switch to your printer and network. Set up a laptop with linux, BSD, or solaris x86 and hook to the switch. Logon to the laptop as root and install (if not already there) ethereal. Start ethereal and enable promiscuous capture of the Ethernet port. You can also enable real-time scrolling of packets on the screen as well as capture. By monitoring the data flow, you and your IT guy can see broadcasts and their origination. Unless this printer has a problem, it should broadcast little or nothing. IP trap may be useful here as well. Just a couple of thoughts, Frank Freedman Biomed imaging, Geek, and Hacker (original definition) since 1975

#### **New US energy bill - daylight savings time changes**

The energy bill the president is expected to sign into law today may drive the need for medical vendors to release SW updates to compensate for changes in automatic calendar start/stop dates for daylight savings times in the United States. The current mechanism used by technology vendors reference the calendar rules which have not changed since 1987. Appears that changes will take effect in 2007, so there is some lead time. Read the story here.

[http://news.yahoo.com/s/ap/20050808/ap\\_on\\_hi\\_te/daylight\\_saving\\_tech](http://news.yahoo.com/s/ap/20050808/ap_on_hi_te/daylight_saving_tech)

This may only affect systems with a CPU or more advanced capabilities but will also impact many folk's time for manual updates.

Q. How may of your major equipment vendors take advantage of using automatic time adjustment for daylight savings times?

Q. To what level do you expect vendors to release SW updates for this situation? Thanks  
Mark Heritage System Engineer Welch Allyn



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