

**INSIDE:****Spray-on Solar
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ETBA President***President's Corner***Charles Verzi*

Hope everyone is off to a good start in this new year. We are experiencing low attendance at the regular membership meetings. So what does the membership think about moving the meetings to different months? Our bylaws will not permit changing the March meeting without a constitutional convention. Also the September meeting is usually well attended.

I have noticed a drop off in attendance at our summer meeting and also our December meeting. I can only attribute this to the weather, vacation and holidays. So I have proposed that we move the June meeting to May. This way we will not compete with the traditional summer vacations. The December meeting is a little bit harder. Hopefully we can receive some input from the membership about a change of date for this meeting. The first of November or the first of January seems like our only choices. We can try this for one year and see how things go.

So I would like to encourage everyone to clear their calendars for the March meeting so we can get some input on the directions of the ETBA. I look forward to seeing all of you this month!

Spray On Solar Cells*Randy Bueckman*

In January, National Geographic News reported that a new solar cell technology has been developed. Based on nanotechnology, a plastic spray was successfully tested that can harness the invisible portions of the light spectrum converting it into electrical energy. Previous solar cell technology used only visible light.

The article claimed that half the sun's power was in visible light while the other half was found in the infrared spectrum. It was theorized that harnessing the entire spectrum could ultimately replace all of our current energy sources. *(Continued on Page 3)*

2005 ETBA Officers...

Board Chairman	James Gregg
President	Charles Verzi
Vice President	Larry Morton
Secretary	James Gregg
Treasurer	Mack Webster
Program Director	Greg Goll
Newsletter Editor	Randy Bueckman
Web Committee Chair	Randy Bueckman



East Tennessee Biomedical Association

*An organization dedicated to the promotion of safety and knowledge
with the use of medical instrumentation*

Spaces below for ETBA Secretary use.	
Membership Number	
Approval Date	

INDIVIDUAL MEMBERSHIP APPLICATION

(Student, General, Active, Retired BMET or CE)

Please Print

Name: _____
(As you would like it to appear with titles on records or awards)

Name: _____

Home Address: _____
(Street) (City) (State)

_____ (Zip) (Telephone) (E-MAIL Address)

Present Employer: _____

Present Title: _____ Years in Biomedical Field: _____

Employer's Address _____
(Street) (City) (State)

_____ (Zip) (Telephone) (Web Page)

Degree(s) and/or Certifications: _____

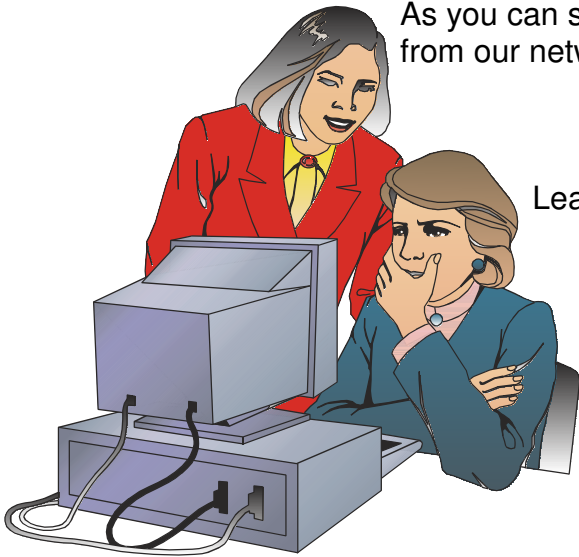
Primary Area(s) of Responsibility: _____

The Annual Membership Dues are: Student \$5.00, General \$15.00, Active \$20.00, Retired \$10.00

Please make a check payable to ETBA and mail to:

ETBA Membership Committee
2417 Ridgecrest Drive
Knoxville, Tennessee 37918

As you can see, I removed all sensitive patient information from our network. This makes us 100% HIPPA compliant!



Leaving us with a solitaire game...

Spray-on Solar Cells

(Continued from page 1)

It is expected that further advances in this spray on technology may allow us to capture 30% of the sun's radiant energy. That is a significant jump over the 6% solar cells have been able to utilize currently.

You may have already realized that infrared energy is not limited to the sun. Any warm thing gives off some infrared energy. By extending that thought, this technology could be used in clothing to harness body heat converting it into electrical energy. This energy source would be available day or night to perhaps power cell phones or other electronic devices.

Human RFID Tags

by Randy Bueckman

The FDA has approved RFID implants for humans. These implants have been used for years to tag pets and livestock.

Those of you familiar with RFID realize that data is not stored in the RFID unit. It simply holds a unique identifier that is used like a key. Our hospital is using RFID cards for parking gates and building access. So the RFID card is literally a key.

The thought behind human implants are initially the same as those for pets. The tag would hold the key to unlock identification and medical records. My question is, do we really need it? Is there a large portion of the population that does not know their name? Doesn't a driver's license serve the same purpose?

Calling on Members...

Our new program director, Greg Goll, would like to know what you would like to see and hear about at ETBA Membership Meetings! If you would like information about a technology or perhaps the theory behind a procedure, drop him a line. You can email him (and any of the officers) through the ETBA website.

I would also like to know what you would like to read about in our newsletter! Over the weeks between publications, I store articles of technical interest to me and give a synopsis. I hope you find them interesting, but moreover, I hope you are encouraged to write your own for inclusion in our newsletter!

March Membership Meeting

Tuesday, March 15, 2005

6:30 - Food and Fellowship

7:00 Membership Meeting



Blount Memorial
Hospital

Our next meeting will be held at Blount Memorial Hospital in Maryville, Tennessee. For exact directions, please see the ETBA website. By entering your starting address in the Yahoo Maps box on the Membership Meeting page. You should get a map to their parking lot! Their website is <http://www.blountmemorial.org/>

Sometimes, the Biomedical Department is NOT the best service source. Come find the factors you might want to consider before beginning in-house repair. Greg Goll will be presenting "Medical Equipment Service Alternatives."

And now those magical words you've been waiting for. Pizza will be provided at the meeting! Come at 6:30 PM Tuesday, March 15th for food and fellowship. The meeting will begin at 7:00 PM.

March is membership renewal month. We have endeavored to keep ETBA membership fees low to encourage participation. Once again, active membership for the year is \$20.00. Please find your membership renewal form inside this newsletter - and pass along the blank one to someone who is not currently a member! See you March 15th!!



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Knoxville, TN 37918
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Membership Meeting Tuesday March 15, 2005