# NCBA News



November 2004

The Newsletter of the North Carolina Biomedical Association

Vol. 24, No. 6



Brian R. Poplin, CBET NCBA President

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#### **President's Forum**

As we close 2004 I am happy to tell you that the biomedical profession in North Carolina is experiencing a renaissance of sorts. We are seeing record participation numbers for our symposium, new schools are opening their doors to students, and our members are finding multitudes of great opportunities.

By the time you get this newsletter, the symposium should be a week or so away. We have had a great response to the new track schedule and registrations are significantly ahead of last year. In addition, our vendors are responding to this increased participation with vigor. With four weeks before the symposium we have less than five booths remaining in the exhibit hall. The booths that have been sold to date will have many vendors that have been strong supporters of the NCBA for many years, but we will also have ten percent of the spaces filled by vendors that are new to the symposium.

In Charlotte, ECPI a training resource for many biomedical professionals in our state has developed a new medical imaging training program. The new program developed in conjunction with ARAMARK has started their first set of classes. With seasoned professionals, and new students taking part in these classes the program promises to provide an influx of new imaging technicians. Discussions are also underway for the possible creation of two new biomedical degree programs in the state. These new programs promise to bring an influx of new biomedical and imaging opportunities to our economy and create new members for the NCBA.

I am very pleased with the growth of the NCBA and with the new educational opportunities that are occurring in our state. As I finish my second term as President, I want to extend my sincere thanks to our board and the many volunteers that continue to make the NCBA a world class organization. Mostly, I would like to thank our members for allowing me to lead such an amazing group of medical professionals.



### **2004 Board of Directors**

#### 2004 NCBA Officers

#### **President:**

Brian R. Poplin, CBET ARAMARK Clinical Tech Services 704-948-5761– Business 704-948-5791 – Fax pres@ncbiomedassoc.com

#### **Vice-President:**

Chad Granade Margaret Pardee Memorial Hospital 828-698-7194 – Business 828-696-1163 – Fax vp@ncbiomedassoc.com

#### **Treasurer:**

Sam A. Wright
Wake Forest Univ. Baptist Med. Ctr.
336-716-3437 – Business
336-716-9395 – Fax
treas@ncbiomedassoc.com

#### **Membership Secretary:**

Glenn Scales, CBET
Duke University Health System
919-681-6638 – Business
919-681-7361 – Fax
memb@ncbiomedassoc.com

#### **Recording Secretary:**

David Wilson, CBET Stanly Community College 704-991-0277 – Business 704-982-0819 – Fax record@ncbiomedassoc.com

#### **Ex-Officio:**

Helen H. Jones, CBET Wake Forest Univ. Baptist Med. Ctr. 336-713-2891 – Business 336-713-2901 – Fax exofficio@ncbiomedassoc.com

#### 2004 At-Large Board of Directors

Thomas E. Barnes ARAMARK Clinical Tech Services 434-774-0911 – Business BOD4@ncbiomedassoc.com

Christina Fleming, CBET Moore Regional Hospital 910-215-5178 — Business 910-215-4382 — Fax BOD2@ncbiomedassoc.com

Michael McCoy St. Francis Hospital 864-255-1084 – Business 864-255-1157 – Fax BOD4@ncbiomedassoc.com

John Noblitt, CBET Caldwell Community College 828-726-2263 – Business 828-726-2384 – Fax BOD5@ncbiomedassoc.com

Kris Peters Self Regional Healthcare 864-227-4172 – Business 864-227-4027 – Fax BOD3@ncbiomedassoc.com

NCBA News is an information service of the North Carolina Biomedical Association (NCBA). It has a distribution of about 500 and is published six (6) times per year. Articles and ads are due on or before the first day of odd numbered months. The newsletter is mailed on or about the 15<sup>th</sup> day of the odd numbered months.

While the NCBA makes every effort to assure that its content is accurate, articles are the products of individual authors and the NCBA is not responsible for the content.

NCBA News intends to disseminate information and ideas to its subscribers. While the NCBA News accurately reflects the source of the articles, the content is of variable quality and validity. The Newsletter Committee will attempt to verify all articles, but neither the Editor nor the NCBA is responsible for information.

**YOUR HELP IS NEEDED!!!** Articles of interest to our readers are constantly needed and frequently in short supply. If you have written any articles that may be of interest to our readers, submit it to Newsletter Editor, Glenn Scales, at editor@ncbiomedassoc.com.

#### 2004 Standing Committees

#### **Rules and Bylaws**

Brian Poplin(Chair), Boyd Campbell, Glenn Scales, David Wilson

#### **Nominating Committee:**

David Wilson (Chair), John Noblitt, Sam Wright

#### **Finance Committee:**

Sam Wright (Chair), Dale Allman, Linda Leitch, Brian Poplin, Charles Worrell

#### **Membership Committee:**

Glenn Scales (Chair), Obie Godley, Mark Renfroe

#### **Education Committee:**

Chad Granade (Chair), Chad Cook, Dan Harrison, Helen Jones

#### 2004 Special Committees

#### **Newsletter Committee:**

Glenn Scales (Chair), Dan Harrison, John Noblitt, Manny Roman

#### **Scholarship Committee:**

Mike McCoy (Chair), Dale Allman, Helen Jones, Linda Leitch, Dan Harrison,

#### **Vendor Coordination:**

Tom Barnes (Chair), Chad Cook, Mike McCoy, Mark Renfroe

#### **Hotel Coordination:**

Helen Jones (Chair), Glenn Scales, Jim Tripp

#### **Public Relations:**

Brian Poplin (Chair), Tom Barnes, Sam Wright

#### **Internet Committee:**

Glenn Scales(Chair), Mark Renfroe, David Wilson

#### Professional of the Year:

Mike McCoy (Chair), Tom Barnes, Leitch, John Noblitt, David Wilson

#### **Historian:**

Glenn Scales (Chair), Obie Godley, Lane Rushing



#### NCBA Board Minutes Friday, November 5, 2004 Pinehurst Hotel – Village of Pinehurst, NC

#### I. Call to Order

Brian Poplin called the meeting to order at 10:10 am. The meeting was held at the Pinehurst resort.

Members present: Brian Poplin, Chad Granade, Helen Jones, Tom Barnes, Glenn Scales, David Wilson, John Noblitt, Christina Miller, Sam Wright, Mike McCoy, and Kris Peters

Members Absent: None

Visitors present: Mark Renfroe, Obie Godley, Dale Allman, Tony Bisese

#### II. Approval of August minutes

The August minutes were approved with no discussion. Motion to approve was made by Mike McCoy, with a second from John Noblitt.

#### III. Review of 2004 Goals and Objectives

Brian reviewed the 2004 goals and objectives as set at the February retreat. Consensus from the board is that all goals have been successfully implemented.

Stand Alone Classes: Two carried out, and another scheduled for next year.

Improving image: Continued growth outside of the regional area is proof that this is happening.

#### IV. Reports

#### **Treasurer Report**

Sam Wright reported on the financial status of the NCBA. A tax liability line needs to be taken out. Two checks that were written over a year ago will also need to be canceled. Income and balance statements were passed out, and reviewed by attending members. There will be a short meeting to discuss the financial status at the symposium. A problem with the financial software needs to be fixed. Sam will call Quicken to take care of it. Motion to approve came from Sam Wright with a second from Kris Peters. Unanimous approval came from the board.

#### **Membership Report**

Glenn Scales reported that there has been no change since the last meeting. A new Board contact sheet was passed out. Also passed out was a comparison of last year's status for the symposium to this year's symposium. This year is much ahead of last years at this point. Booth space is running out very early this year.

Eighty-five of the ninety-three booths have been committed to. Members will register upstairs and vendors downstairs this year. Motion to approve the membership report came from Helen Jones with a second from Sam Wright. The board gave unanimous approval.

#### **Education Report**

Chad Granade reported on the education for the symposium. With four weeks left several classes have more then 20 registrants. Room schedule was passed out. The AV people will be given a report ahead of time. No equipment will need to be moved from class to class. AV vendor will still need to be decided. Some AV equipment will need to be provided from the board members or speakers will need to bring their own equipment. Chad will check with Lee Hartman associates about doing the AV equipment again this year. Sign in sheet and evaluation sheets are already prepared.

The date for the Respironics stand-alone class needs to be decided. Fee for a Respironics class is usually \$1400 per person. The board agreed to ask for a \$1000 per person price for the 3-day class. Respironics class needs to be the first or second week of March 2005 at Wake Forrest Baptist Medical Center in Winston Salem, NC.

April 11-15 is the CBET review at Stanly Community College.

A vendor wants to attend the trade show only for the symposium. Consensus of

the board was that he must become a corporate member at \$400, and then is eligible to pay the \$150 registration fee for 3 days. To buy a booth is \$500. In addition, a call came from a vendor wanting to attend a class. The classes can be attended by vendors if space is available.

A new NCBA booth has been purchased. Graphics were decided on.

Education report was unanimously approved by the board. A motion came from Sam Wright and a second from Tom Barnes.

#### **Scholarship Report**

The scholarship packets are in. There should be no further forms sent in. The deadline for professional of the year, and manager of the year is November 30. Motion to accept the report came from Tom Barnes with a second from Sam Wright. The board gave unanimous approval.

#### **Rules and Bylaws Report**

Bylaws change will be to add to the number of board members. That will be printed and handed out in the packets given at the symposium. The vote will occur at the business meeting. Motion to approve came from Tom Barnes with a second from Sam Wright. That board gave unanimous approval.

Continued on Pg. 11

NCBA News is accepting advertising that relates to biomedical equipment and of interest to our readers. Suggested subjects are: Positions Desired, Positions Available, Biomedical Equipment Wanted or For Sale (New or Used), or Announcements of Educational Opportunities or Service Schools in the area.

Advertising is open to all individuals, hospitals, and companies. The decision to carry a particular ad or classified will be the decision of the Editor with support of the NCBA Board. Either jpeg or tiff files of the actual size ads is required. **Corporate Members please remember what free advertisement your membership allows.** Please contact the Newsletter Editor for other pricing.

## Prepayment of all advertising is required.

#### Classified Advertising

Except "Position Wanted" notices by members (one ad per year – limit 50 words – no charge) the following ad rates apply:

Full Page \$200. $\frac{00}{2}$ Half Page \$100. $\frac{00}{2}$ Quarter Page \$50. $\frac{00}{2}$ 

If the ad is a single page to be included as an insert, the advertiser will any pay all additional printing and handling costs. Placement of non-member ads is on a "space available basis. Advertising that is to be printed in color will include all additional costs to prepare and insert the color page.

## **Dollars and Sense Treasurer's Report By Sam Wright, NCBA Treasurer**

#### Account balances as of 11/05/2004:

Checking:		\$29,562	
CD's:	XX205	\$25,420	
	XX257	\$24,934	
Scholarships:	Eddie Whisnant	\$604	
	Norm Reeves	\$604	
(Income highligh	nts)		
Interest income		\$125	1 200
Seminars		\$7,000	16969
Symposium Do	nations	\$2,140	JERESKI J
Vendor Registra	ntions	\$12,800	10000
(Expense highlig	hts)		(010
Newsletter post	age	\$904	
Taxes		\$510	
Web Site fees		\$192	



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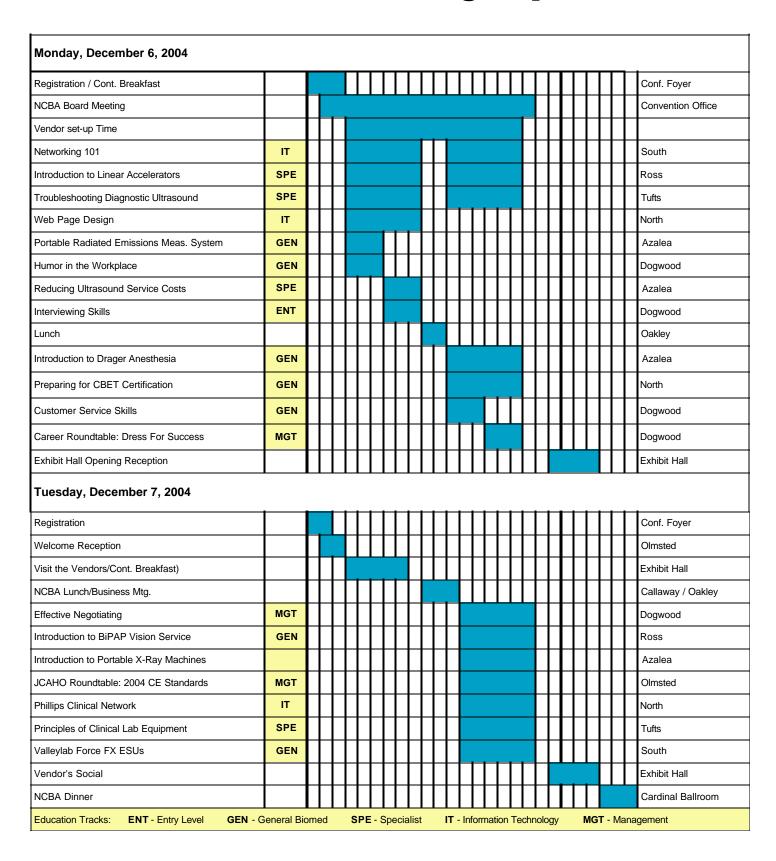
# RSTI's 20th Anniversary Celebration Symposium



Jom us february 7-10, 2005 in San Diego, CA at the San Diego Marriott in Mission Valley. The event will be focused on four technical tracks: Hospital-Wide Digital Integration, Diagnostic Imaging Technologies, Human Resource Development, and Personal and Business Financial Planning featuring guest speakers and the RSTI staff. Keynote speaker Herman Oosterwijk will be kicking off the event with a talk on "PACS Challenges for Service Professionals." Vendors from across the country will be gathered to bring their latest and greatest products and services for you to see. The event will be highlighted with a Reunion Dinner to celebrate those has nesses that pioneered this industry. Please call Tracie Speth for an attendee or vendor brochure.

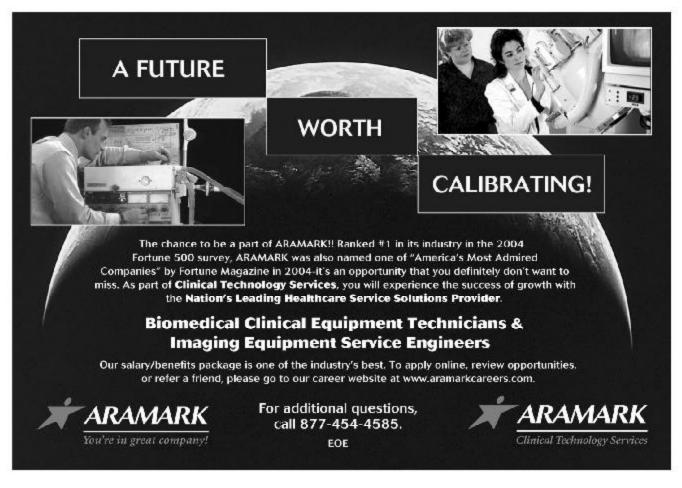
39745 Solon Rd . Solon, OH 44139 . Phone (440) 3494700 . Fax (440) 349-2053 E-mail registration@rsdctraining.com Website www.rati-training.com Radiological Service Training Institute

# NCBA 2004 Symposium



## **Event Schedule**

Registration											Conf. Foyer
Final Exhibit Removal											Exhibit Hall
Principles of CT	SPE										Ross
Implementing RIS / PACS	IT										South
intro to PulseOx and End Tidal CO2	GEN										Tufts
JCAHO Survival Skills	GEN										Callaway
Wireless Patient Monitoring	SPE										North
Lunch											Oakley
Financial Skills / Understanding Your Admininstrator	MGT										Tufts
Frequency Hopping Telemetry	GEN										North
The Future of Clinical Engineering	GEN										Callaway
Golf Tournament											Golf Course # 1



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# Registration Form: 2004 NCBA Symposium

Name:				CBET	CCE	OTHER
Home Address:			City, State, Zip			
Home Phone:	Home	Home Email:				
Facility/Company:			DOC	Occupation/Position	00	
Work Address:			_ City, State, Zip			
Work Phone:	Fax:	Email:				
College or University (Students):			Cu	Current Curriculum:	lum:	
Mail future NCBA information to:	: Home_	Work		Member of:	ASHE	AAMI
Refer	Refer questions to Chad Brian Poplin		Granade at 828-698-7194, e-mail vp@ncbiomedassoc.com or at 704-948-5761, e-mail pres@ncbiomedassoc.com	cbiomedassoc.d lassoc.com	com or	
•	Note: Lat	e registration fee i	Note: Late registration fee in effect after November 19, 2004	ıber 19, 2004	•	
Advance Registration Fees	<u>Late F</u>	Late Registration Fees	Adv. Student Registration Fees	ration Fees	Late Stude	Late Student Registration Fees
□ One Day \$125 □ Two Days \$200	<ul><li>□ One Day</li><li>□ Two Days</li></ul>	S	☐ One Day☐ Two Days	\$40 \$60	<ul><li>□ One Day</li><li>□ Two Days</li></ul>	
☐ Three Days \$250	□ Three Days	ays \$275	☐ Three Days	\$70	□ Three Days	ays \$85
Monday: December 6, 2004	4	Tuesday: December 7.	mber 7. 2004	Wedne	Wednesday: December 8, 2004	ber 8, 2004
Career Roundtable: Dress for Success (PM ¼ day)  Customer Service Skills (PM ¼ day)  Humor in the Workplace (AM ¼ day)  Interviewing Skills (AM ¼ day)  Introduction to Dräger Anesthesia (PM only)  Introduction to Linear Accelerators (full day)  Networking 101 (full day)  Portable Emissions Meas. System (AM ¼ day)  Preparing for CBET Certification (PM only)  Reducing Ultrasound Service Costs (AM ¼ day)  Troubleshooting Diagnostic Ultrasound (full day)	### 1/4 day)		Effective Negotiating (PM only) Intro. to BiPAP Vision Service (PM only) Intro. to Portable X-Ray Machines (PM only) JCAHO Roundtable: 2004 CE Standards (PM only) Phillips Clinical Network (PM only) Principles of Clinical Lab Equipment (PM only) Valleylab Force FX ESUs (PM only)	Financial Ski Frequency Ho Implementing Intro. to Pulss CAHO Surv Principles of The Future of Wireless Pati	Financial Skills/ Understanding your Admin () Frequency Hopping Telemetry (PM only) Implementing RIS / PACS (full day) Intro. to PulseOx and End Tidal CO2 (AM onl) ICAHO Survival Skills (AM only) Principles of CT (full day) The Future of Clinical Engineering (PM only) Wireless Patient Monitoring (AM Only)	Financial Skills/ Understanding your Admin (PM only) Frequency Hopping Telemetry (PM only) Implementing RIS / PACS (full day) Intro. to PulseOx and End Tidal CO2 (AM only) ICAHO Survival Skills (AM only) Principles of CT (full day) The Future of Clinical Engineering (PM only) Wireless Patient Monitoring (AM Only)

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#### ARAMARK Healthcare Management Leads in Educating Medical Equipment Engineers

Relationship With ECPI College of Technology Offers Career Track Geared to Medical Equipment Management

CHARLOTTE, NC, August 4, 2004 – Similar to the current nursing shortage, qualified medical imaging equipment technicians are also in great demand in today's healthcare environment. To help support this growing need, ARAMARK Healthcare Management Services (AHMS) has joined forces with ECPI College of Technology in Charlotte, NC, to offer a new program for students interested in entering the medical equipment engineering field, it was announced today.

Through its Clinical Technology Services (CTS) business, AHMS will provide students with expert instruction and hands-on training using high-end imaging and other medical equipment at its Technical Resource Center in Charlotte. Classroom coursework will take place at the ECPI College of Technology campus.

ECPI College of Technology focuses on careers in Technology and Health Sciences, but its ability to offer training on medical imaging equipment was previously limited due to the significant capital required to obtain the equipment necessary to offer hands on training. The Medical Imaging Equipment Technology program offers a 19-month Associate of Science degree, or a 15-month Diploma Program. Entry level salaries for qualified technicians can range between \$35,000 and \$40,000. Some students may have the opportunity to join AHMS upon graduation. The program's first students will graduate in April 2005.

"As the industry leader in clinical equipment management services, we're proud to work with ECPI to create new avenues for

technical training that will advance this industry," said Chris Ciatto, President of ARAMARK Healthcare Management Services – Clinical Technology Services. "ECPI can now offer its students practical training, and we have an excellent source for hiring and developing imaging equipment technicians."

ARAMARK Healthcare Management Services – Clinical Technology Services is the largest independent clinical equipment management company in the country with 1,100 professional and technical specialists managing more than \$5 billion in clinical equipment assets at more than 500 hospitals across the country.

ECPI College of Technology has campuses in North Carolina, Virginia and South Carolina. The Medical Imaging Equipment Program is offered through its Medical Careers Institute in Charlotte. For more information visit www.ecpi.edu.

ARAMARK Healthcare Management Services is one of the leading providers of innovative, best-in-class service solutions to more than 1,200 hospitals, healthcare systems and senior living facilities throughout North America. The complete range of comprehensive and customized facility, food and clinical technology services offered by ARAMARK Healthcare Management Services enables healthcare partners and senior living facilities to optimize patient throughput, maximize workforce, asset and capital resources, ensure superior quality and reliable performance, and enhance the patient experience to create the best environments for patient care.

## Should a Biomed Learn Differently Than a Nurse? By Steven Comas, Moses Cone Hospital

I attended a training class for a new EEG machine that was being installed at my hospital. The class also consisted of the two EEG nurse operators. The instructor, a Sales Rep, showed us the different aspects of the machine, including the GUI interface and the multiple option screens. At one point he was discussing waveforms for F6-F9 and a waveform called a "double banana". I was learning a great deal, besides the functions of the EEG machine, I was also learning an EEG operator's job.

The following day one of the nurse operators was having a problem setting up the machine, and asked me if I could join her in a patient's room in the ICU. I had to re-teach her the functions of some of the buttons and I deducted that some of the electrodes and leads were misplaced on the patient.

I attended the same class that she did, why is it assumed that I would gather more knowledge about the machine from the same instruction?

Doctors, Nurses, and Techs expect Biomed personnel to know everything about all types of equipment in the hospital. I understand that to have this amount of expertise is impossible. But we as Biomeds need to portray this knowledge. That and the ability to communicate effectively with the hospital are qualities which are desirable in all Biomeds.

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## NCBA and Certification Renewal By Glenn Scales, CBET

Every three years certified BMETs need to submit their renewal information to the International Certification Commission. This requires that we document enough continuing education activities to account for 15 points. If you are working in the field, you receive 1 point per year, so that still means that you need to document 12 additional points.

The good news is that as a member of the North Carolina Biomedical Association you can account for those 12 points, and more, simply by participating in our various activities throughout the three years and at the Symposiums each fall.

Attending the NCBA Symposium gets you half a point per day or 4½ points over the three years. Attending classes at the Symposium is another half point per class. Just being a member of the NCBA is another half point per year. Let's see - ½ point for being a member, ½ point for attending the Symposium and ½ point for each class I attend. Plus the benefit of the education itself and the opportunity to see and interact with industry leaders from around the country in one place. I think I've just about got my 15 points.

For instance, if you were able to attend the Symposium this year, you could document as much as  $3\frac{1}{2}$  points by attending educational sessions each of the 3 days, plus  $1\frac{1}{2}$  points for attending each of the 3 days. If you attended the Symposium in 2002 and 2003, you could have 8 or more points towards your total of 15. The other area in which you can receive points is if you teach a class at the NCBA Symposium. You may not feel that you are up to teaching a class by yourself, but you can partner with a vendor and each of you present part of a class.

OK, so you aren't able to attend the Symposium every year. You still have options for receiving certification credits. Have you ever submitted an article for publication on the NCBA web site or the Newsletter? Each article accepted for publication gets you 1 point and in this category you can accumulate up to 10 points. I'll bet that many of you reading this have at lease one or two articles that you could write over a 3 year span.

If you serve as a Board member or participate on an NCBA committee, that is another full point per year. The NCBA has a number of committees that need the participation of members other than just the Board. Travel to Board meetings is not always required and your participation is extremely valuable.

Overall, the NCBA is an easy and highly rewarding mechanism for fulfilling your ICC certification renewal obligation. Our education programs are designed by BMETs for BMETs and the feedback we receive about our programs is exceptional. If you haven't made your plans yet for the Symposium, it's not too late. Everything you need is on the web site and the on-line registration makes it even easier than ever. Plan to attend – it will be the best 3 days of the year for you.

#### **BOD Minutes continued from Pg. 3**

#### **Newsletter Report**

Glenn Scales reported that the newsletter is ready for print, waiting for the president's forum and the minutes. Also the list of board candidates will be included. Motion to approve this report came from Sam Wright with a second from Kris Peters. Board gave unanimous approval.

#### **Nominating Committee**

David Wilson reported that we currently have six candidates. We are still in need of bios from some of these folks. It was also suggested to reach out to some folks that have been off the board for the last year. Ballots, minutes for last years meeting, and bios should be included into the packets for this year. Motion to approve came from Kris Peters with a second from John Noblitt. The board gave unanimous approval.

#### **Internet Committee**

Glenn Scales reported that the web site is up to date. The online registration went well. Vendors frequently registered online. Registration payment still has to be done by mail. Motion to approve came from Sam Wright with a second from Christina Miller. The board gave unanimous approval.

#### **Vendor Committee**

Tom Barnes reported that some vendors are planning their own social event. This can be planned through the hotel, but not on the same night as the NCBA social event. We will need thank you notes for the vendors at the symposium. Each vendor will receive a membership certificate. Vendor set up will be in the downstairs area on Monday from 9 to 4. Motion to accept this report came from John Noblitt with a second from Sam Wright. The board gave unanimous approval.

#### **Hotel Report**

Helen Jones reported that the hotel arrangements are completed. The rooms will be toured at the end of the meeting to be evaluated for space. Motion to accept this report came from John Noblitt with a second from Sam Wright. The board gave unanimous approval.

#### VI. Old Business

A. Storage building: The stuff in the building needs to be moved to Pinehurst. Tony Bisese offered usage of a truck along with Helen Jones. The building is 5 X 10 and is the smallest thing they had.

#### VII. New Business

The NCBA was extended an invitation to be a charter member of META. Consensus of the board was that there was not enough information available to make a decision at this time.

A new BMET program is now opened. ECPI has begun their training program.

#### VIII. Symposium Planning

Board members will meet at 2:00 pm in the registration area on Sunday December 5. On Sunday afternoon there will be a short board meeting.

With no further business to be discussed, motion to adjourn came from Tom Barnes. A second was given by Sam Wright, and the meeting adjourned at 12:30 pm.

#### SCHEDULE of NCBA BOARD of DIRECTORS MEETINGS for 2004

March 12, 2004, Time: 10:00 a.m.

ARAMARK Clinical Technology Svs., Charlotte, NC

Host – Brian Poplin, Ph: 800-825-1786

May 7, 2004, Time: 10:00 a.m.

Margaret Pardee Hospital, Hendersonville, NC

Host - Chad Granade, Ph: 828-698-7194

July 16, 2004, Time: 10:00 a.m.

Duke University Hospital, Durham, NC

Host – Glenn Scales, Ph: 919-681-6638

August 27, 2004, Time: 10:00 a.m.

Baptist Medical Center, Winston-Salem. NC

Host – Sam Wright, Ph: 336-716-3437

November 5, 2004, Time: 10:00 a.m.

Pinehurst Resort & Hotel, Pinehurst, NC

Ph: 800-487-4653, www.pinehurst.com

**December 5-8, 2004** 

2004 NCBA Symposium and Expo

Pinehurst Resort & Hotel, Pinehurst, NC

January 7, 2005, Time: 10:00 a.m.

Stanly Community College, Albermarle, NC

Host – David Wilson, Ph: 704-991-0277

February 11-12, 2005, Time: 8:30 a.m.

Board of Directors Planning Retreat Ocean Reef Hotel, Myrtle Beach, SC

Board Meetings are open to the NCBA Membership.
Please plan to attend.

North Carolina Biomedical Association 6300-138 Creedmoor Road, PMB 272 Raleigh, NC 27612-6730

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