



Sonny Richards, CBET
NCBA President

President's Forum

We are about halfway through 2005, and already it has proven to be an interesting year. My increasingly unreliable internal clock tells me that we (the Board) have just completed the Planning Retreat, and should be ready to proceed with implementing the plans we have made. But in reality, the year is quickly passing. One stand-alone seminar has already been completed, others are being scheduled, the annual AAMI meeting is behind us, we are well into planning for our own annual meeting, and we have weathered numerous changes to the Board. Time passes quickly.

The working Committees have been completing plans for the 2005 Symposium, and are well on the way to producing another world-class show for December in Pinehurst. Most of the training sessions have been scheduled and about one-third of the vendor space is already reserved. The annual golf tournament has been scheduled for Sunday this year to allow more class time during the actual Symposium. Other additions and enhancements are also being considered to make your visit more rewarding. In the near future, more details will be posted on the NCBA website, but for now, please mark your calendar for December 5-7 (the 4th too, if you plan to play golf). It's not too early to begin making plans to attend.

On a different note; a few days ago I attended services at my local church and came away with what has become an increasingly common feeling. *It really is a small world, after all.* There are less than 100 members at this church, and I thought I knew everyone pretty well. But upon leaving the service, I noticed a familiar logo on a tote bag belonging to another member that I speak with on a weekly basis. It was an ASHE logo, and sure enough, upon inquiring I discovered that he is an ASHE member and has worked in Hospital Engineering for several years. *Who knew?* Of course he had no idea that I was in a related field, or we would have struck up a conversation years ago. Just this past week, another Board Member (and Director of a North Carolina Community College Biomedical Technology Program) had shared the story of how he had incidentally met a fellow traveler only to learn that he was the father of a current student. No doubt as you read this, you are recalling at least one similar incidence that you have experienced. It's amazing sometimes who we come in contact with, but in our business, it seems it's almost always an interesting encounter. You just never know when you may be on stage and not realize it.

Inside This Issue:

President's Forum	1
NCBA Officers	2
BOD Meeting Minutes	3
Treasurer's Report	4
Change is Constant.....	5
Taking the Next Step	5
Golf at Pinehurst	6
Position Available	6
Manager of the Year	7
Professional of the Year	9
Top 10 Reasons for IT	11
What's New at Pinehurst	12
Board Elections	12
New Board Member	14

2005 Board of Directors

2005 NCBA Officers

President:

Sonny Richards, CBET
ARAMARK Clinical Tech Services
704-948-5790 – Business
pres@ncbiomedassoc.com

Vice-President:

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

Treasurer:

Parker Foster, CBET
WakeMed Raleigh
919-350-5915 – Business
treas@ncbiomedassoc.com

Membership Secretary:

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

Recording Secretary:

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

Ex-Officio:

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

2005 At-Large Board of Directors

Thomas E. Barnes
ARAMARK Clinical Tech Services
434-774-0911 – Business
BOD1@ncbiomedassoc.com

Susan Cowan
GE Healthcare
800-345-2700 – Business
BOD3@ncbiomedassoc.com

Helen H. Jones, CBET
Margaret Pardee Memorial Hospital
828-698-7194 – Business
BOD6@ncbiomedassoc.com

Michael McCoy
Horizon CSA
910-343-7849 – Business
BOD4@ncbiomedassoc.com

Christina Miller, CBET
Moore Regional Hospital
910-215-5178 – Business
BOD2@ncbiomedassoc.com

Chad Granade
Phoebe Putney Memorial Hospital
229-312-1000 – Business
BOD5@ncbiomedassoc.com

Dan Tate, CBET
Shands at University of Florida
352-265-0089 – Business
BOD7@ncbiomedassoc.com

2005 Standing Committees

Rules and Bylaws

Sonny Richards (Chair), Brian Poplin,
Glenn Scales, David Wilson

Nominating Committee:

David Wilson (Chair), Obie Godley,
John Noblitt

Finance Committee:

Parker Foster (Chair), Tom Barnes,
Chad Granade, Helen Jones

Membership Committee:

Glenn Scales (Chair), Susan Cowan,
Obie Godley, Mark Renfroe

Education Committee:

John Noblitt (Chair), Susan Cowan,
Helen Jones, Crisci Miller, Linda
Sielaff, Dan Tate

2005 Special Committees

Newsletter Committee:

Glenn Scales (Chair), John Noblitt,
David Wilson

Awards Committee:

Mike McCoy (Chair), Brian Poplin

Vendor Coordination:

Tom Barnes (Chair), Crisci Miller,
Mark Renfroe, Glenn Scales

Hotel Coordination:

Helen Jones (Chair), Crisci Miller

Public Relations:

Sonny Richards (Chair), Susan Cowan,
Mike McCoy, John Noblitt, Dan Tate

Internet Committee:

Glenn Scales (Chair), Mark Renfroe

Historian:

Glenn Scales (Chair), Obie Godley,
Helen Jones



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 15th 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 editor2@ncbiomedassoc.com.

NCBA Board Minutes Friday, June 3, 2005

Moore Regional Hospital – Pinehurst, NC

Board Members Present:

Thomas Barnes (via telecom), Parker Foster, Michael McCoy, Christina Miller, John Noblitt, Sonny Richards, Glenn Scales, Dan Tate

General Members Present:

Sally Goebel

Sonny called the meeting to order at 10:00 AM. March minutes were reviewed. The minutes were corrected to reflect that the accounting firm used by NCBA is Barbier & Coleman, PLLC. Minutes were approved unanimously.

Reports:

Finance: Presented by Parker. All accounts are in order. Nothing further has been heard from the IRS regarding the prior year's tax issue.

Membership: Presented by Glenn. There have been nine renewals since the past Symposium, bringing the total membership to over 500 members.

Education: Presented by John. Nineteen classes are confirmed. John is waiting for confirmation of three others. Offering a stand-alone class in Pinehurst, the day following the Symposium was discussed. Related issues have been delegated to the Education Committee.

Scholarship: No change.

Rules & Bylaws: No change.

Newsletter: Presented by Glenn. The next newsletter is ready to be published after Glenn receives the President's Forum and the approved minutes. The July newsletter will contain the preliminary symposium class schedule and the Governor's notification of Biomed week.

Nominating: Presented by John. In addition to incumbent Board Members, Tony Bisese, Sally Goebel, Gordon Radke, and Matt Walker have agreed to run for the Board. Seven positions will need to be filled at our next election.

Internet: Presented by Glenn. The website is up to date with the current available information. Vendor and golf

Continued on Pg. 6



THE SOURCE

Express Systems & Parts Network, Inc.
Diagnostic Imaging Parts and Equipment

Express.....Parts in stock when you need them

Systems.....CT, MRI, Cath Lams, Mamo,
C-arms, etc.

Parts.....A to Z (Acoma to Ziehm)

Network.....Working with hospitals and service
organizations worldwide

Inc.....In case you forgot **888-550-3776**
toll free

Express Systems & Parts Network, Inc.
11415 Chamberlain Road
Aurora, OH 44202
330-995-4350, FAX 330-995-4314
E-mail: kittyesp@bellsouth.net
Website: www.express-systems.net

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. ⁰⁰
Half Page	\$100. ⁰⁰
Quarter Page	\$50. ⁰⁰

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 Parker Foster, NCBA Treasurer

Account balances as of 6/03/2005:

Checking:		\$10,728
CD's:	XX205	\$25,675
	XX257	\$25,182
Scholarships:	Eddie Whisnant	\$605
	Norm Reeves	\$605

(Income highlights)

Interest income	\$628
Seminars	\$8,530
Symposium income	\$120,327
Golf income	\$6,270

(Expense highlights)

Symposium expense	\$1,342
Seminar expense	\$1,000



"Unbelievable! I found every type of equipment & service I need to outfit our multiple Surgery Centers. The contacts I made were so beneficial because I was able to save time & money. I cannot wait until next year!"
S. Jamie, Santa Fe Surgery Center

2005 MID EXPO

OCTOBER 19-21

**EVERGREEN MARRIOTT
CONFERENCE RESORT
STONE MOUNTAIN, GA**

"Great show! We made a lot of contacts with customers, new and old, that will benefit our business in the coming years."
Wanda Legate, ReMedPar

Change is the Only Constant

by Helen H. Jones, CBET

The Board of Directors has been trying to put this saying to the test lately.

At the board's planning meeting in Myrtle Beach, Mike McCoy announced that he would be moving to Wilmington to supervise the Biomedical Engineering department at New Hanover Regional Medical Center. Mike continues in his capacity of "Ruler of the Links" or golf coordinator for the symposium's tournament.

Then the moving game continued with Chad Granade. He had an opportunity to go home to work in Albany, GA. He has transitioned to a job as shop supervisor at Phoebe Putney Memorial Hospital. Because moving his family and changing jobs will consume his time and attention for a while, he elected to resign from the office of President of the NCBA. Sonny Richards, the Vice President has moved into Chad's presidential spot. Chad will continue to serve on the board as a general member.

Of course, Sonny moving into Chad's role meant that someone would have to step into Sonny's VP slot. Enter John Noblitt at Caldwell Community College and Technical Institute. John volunteered to take on the duties of Vice President and in that capacity will be fine tuning the class schedule that has been planned by Sonny.

Next up was Sam Wright. Sam was offered the Director of Clinical Engineering position with the Clarian Healthcare System in Indianapolis, IN. Relocating and changing jobs with the added distance involved, meant that Sam had to resign both his board position and his office as Treasurer of the NCBA. Parker Foster from Duke University Medical Center has graciously stepped into Sam's spots as the newest board member and NCBA Treasurer.

And serving as the last domino in the line, I got Chad's job at Margaret Pardee Memorial Hospital in Hendersonville, NC. Those of you who know me personally know that moving back to the WNC mountains has long been in my plans. The only impact this will have on my board duties as hotel coordinator is that my contact information has changed.

[Editor's Note] After this article was sent in by Helen Jones, Parker Foster announced that he has left Duke Univ. Medical Center to take a position at WakeMed in Raleigh.

Taking the Next Step

For the fourth year in a row the NCBA has sponsored a CBET review class. This year's class was held at Stanly Community College in Albemarle, NC. The class was taught by John Noblitt, BMET Program Director from Caldwell Community College and by David Wilson, BMET Program Head from Stanly Community College. This year's class was held from April 11 through April 15, 2005.

The accompanying picture shows this year's participants. All these students came from North and South Carolina. During the five day seminar the students covered anatomy and physiology, electronics – analog and digital, along with medical instrumentation and medical circuit troubleshooting.

Several of the students attended the CBET study skills class held in Pinehurst in conjunction with the NCBA Symposium. During the study skills class Mr. Noblitt and Mr. Wilson cover material that will surely be on the exam and give the participants a heads up on what to start studying. The NCBA has offered the study skills class for two years now at the symposium hoping that members who wish to pursue their CBET will attend the class and then start their study process. Then in the spring come to the week long preparation class and be ready to take the examination later in the spring. This is how the NCBA Board of Directors has envisioned more members to successfully pass the certification exam.

Each of the participants in the picture should be congratulated for "Taking the Next Step" in their career as a biomedical equipment technician. Certification shows that these individuals think enough of themselves and their chosen profession to seek out the next level. We wish these individuals the best of luck as they pursue one of their many career goals.

If you or someone you work with would like to obtain certified status, please consider taking the CBET study skills class held at the symposium. Then plan to attend the NCBA sponsored one week seminar held later in the spring. Participating in these events will certainly help individuals obtain the professional level of Certified Biomedical Equipment Technician.

Submitted by: John Noblitt, B.S., CBET
BMET Program Director
Caldwell Community College

Speaking of Changes

Are you getting ready to make a change in your life? Or you've already made that big move. Please don't forget to let the NCBA know about your change of address or phone number or e-mail. We don't want to lose track of you.

Please send contact information changes to the Membership Secretary by mail to our mail box (see back cover) or by e-mail at memb@ncbiomedassoc.com

information is posted. Class and hotel information will be posted as details are finalized.

Vendor: Presented by Tom. The total number of booths available is now 94. To date, we have received 24 registrations for 26 booths. Information from SES is coming and will be sent to vendors and posted on the web site as it becomes available.

Old Business:

Vendor Relations: Reported by Tom. We already have one new vendor and one reestablished vendor.

Keynote/Dinner Speaker: Mike made a motion for Dan to negotiate with Astronaut, Rick Searfoss to serve as keynote speaker and to compensate Mr. Searfoss no more than \$5000 in fees and expenses. Motion was seconded by John, and carried by the Board. Class times will be adjusted to accommodate the keynote address.

Education: Reported by John. Ten members attended the CBET exam review class. Much positive feedback was received. Those who took the exam have been encouraged to share feedback with John and David.

The Board is looking into recognition and reward for members who have recently achieved a biomed-related certification.

Membership: Reported by Glenn. No change.

Finance: Reported by Parker. We are waiting for a response from the IRS regarding prior tax year. All bank issues have been resolved regarding the transitions of NCBA President and Treasurer.

Seminar Planning: Reported by John. Three stand-alone classes are planned. One class is in the area of Nuclear Medicine. One is geared toward Biomedical Engineers who would like to move into management. The other will be a CBET exam review class in the spring. Details are being finalized. Sonny is working on a Draeger ventilator class.

New Business:

Thanks were given to John for all his hard work in developing such a well designed schedule. It is obvious that he invested a lot of time and effort in behalf of the NCBA membership.

There being no further business, the meeting was adjourned at 1:36 PM.

Respectfully submitted,
Christina Miller, Acting Recording Secretary
June 3, 2005

NCBA Golf Tournament at Pinehurst

The North Carolina Biomedical Association is proud to announce that the NCBA Golf "Classic" returns to Pinehurst Course Number 1 for 2005. This is where it all began. Even though Dr. Leroy Culver built the first rudimentary nine holes and John Dunn Tucker added the next nine, it is clearly Donald Ross' touch that can be seen on this first golf course.

Sunday, December 4, 2005

Pinehurst Country Club
10:00 am Shotgun Start

Cost: \$79.00 per person or or \$316.00 for a group of four

Note: A special Vendor Sponsorship Package is available for \$500.00 and includes golf fees, range balls and cart fees for four players.

Name posted at a hole and recognition for your support.

No Late Registration, No Refunds, Prepayment Required. Limited Spaces Available, No Metal Spikes

Questions or comments - please contact:

Mike McCoy at 910-343-7849 - Office or 910-538-8331 - Cell Phone or 910-458-5862 - Home or by e-mail at golf@ncbiomedassoc.com.

Registration forms available at the NCBA Web Site:
www.ncbiomedassoc.com/events_sym_golf.htm

Position Available – Duke Univ. Medical Center

Duke University Medical Center in Durham, NC is recruiting for a Senior Certified BMET. The position requires that the candidate be ICC Certified with 4 to 5 years experience in servicing medical instrumentation. This position will work at Duke University Hospital as part of a team of 5 technicians supporting Anesthesia Services, Perfusion Services and the Operating Rooms. Any experience with anesthesia systems, perfusion or video systems is considered a significant plus.

Candidates should contact Glenn Scales, CBET at either phone 919-681-2525 or e-mail glenn.scales@duke.edu. Resumes can be submitted by e-mail or by FAX at 919-681-7361. Information about the Duke Clinical Engineering Department can be found at www.duhsclinicalengineering.org.

North Carolina Biomedical Association

Manager of the Year Nomination

Sponsored by Spacelabs Medical

Do you know a manager who has given personally and professionally to the field of Biomedical / Clinical Engineering as well as to their local community? The North Carolina Biomedical Association in conjunction with Spacelabs Medical has created the Manager of the Year Award to be presented annually at the NCBA Symposium for just such a person. **The winner will receive a check for \$1,000 and a plaque identifying them as the NCBA Manager of the Year.** We are looking for managers who have made significant contributions in each of the following areas:

Professional Achievement

Professional achievement activities are those turning points during a career that set the manager apart from his or her peers. Criteria for professional achievement are:

- Leadership of employees or projects, in a manner that exemplifies dedication and professionalism to the field of biomedical technology.
- Contributions to the advancement and recognition of biomedical technology within the medical community.
- Seeking out continual development through constant learning, educational participation, and professional growth.

Community Contribution

Community contribution activities include any activities which provide a significant social, moral, economic, or educational benefit to the local community of the nominee. Criteria for community contribution are:

- Participation in community activities that differ from those associated with professional responsibilities.
- Demonstrated leadership in community or charitable organizations.

Biomedical Community

Biomedical community contributions are those activities, which enhance the professional biomedical community. Criteria for biomedical community contributions are:

- Participatory member in the North Carolina Biomedical Association.
- Demonstrated leadership in the field of biomedical technology on a local, state, or national level.
- Significant contribution to the advancement of the profession through speaking, writing, or networking activities.

SUBMISSIONS:

All submissions will be made on the reverse side of this form and submitted to the NCBA Board of Directors so that they are received no later than October 31st in the year of submission.

NCBA Manager of the Year Nomination

(Please Type)

1. Name of Candidate: _____

Title: _____

Employer: _____

Work Address: _____

Work City/State/Zip Code: _____

Work Telephone: _____ Fax: _____

E-Mail Address: _____

Home Address: _____

Home City/State/Zip Code: _____

Home Telephone: _____ Fax: _____

2. Please attach a letter of nomination that states the reason, and provides a comprehensive explanation of why this individual is being nominated.
3. An updated resume with the current position held by the nominee, **must** be attached for the nominee to be considered.
4. Additional letters of support are strongly encouraged in order to help identify the nominee's ability to meet the criteria listed. Supporting letters should be from individuals familiar with the nominee's contributions, and should not exceed two pages in length.
5. Additional documentation is encouraged, including (but not limited to) a list of cited articles, published materials, or speaking engagements.
6. Mail your complete set of materials to:

North Carolina Biomedical Association
6300-138 Creedmoor Road, PMB 272
Raleigh, NC 27612-6730
Phone: (919) 688-6890
Attention: Manager of the Year

7. All entries must be received no later than October 31st in the year of submission.

North Carolina Biomedical Association
Professional of the Year Nomination
Sponsored by Hill-Rom

Do you know someone who has given personally and professionally to the field of Biomedical / Clinical Engineering as well as to their local community? The North Carolina Biomedical Association in conjunction with Hill-Rom has created the Professional of the Year Award to be presented annually at the NCBA Symposium for just such a person. **The winner will receive a check for \$1,000, and a plaque identifying them as the NCBA Professional of the Year.** We are looking for individuals who have made contributions in each of the following areas:

Professional Achievement

Professional achievement activities are those performed in the course of day-to-day duty to their employer. Examples of professional achievement are:

- Assisted person in another department in a time of great need which clearly placed the needs of others above their own.
- Performed assigned duties in an outstanding manner.
- Made significant contributions to the mission of the institution which were clearly above and beyond the normal assigned tasks.

Community Contribution

Community contribution activities include any activities which provide a significant social, moral, economic, or educational benefit to the local community of the nominee. Examples of community contribution are:

- Organized a community-wide fund raising drive for a charitable organization.
- Contributed numerous hours to a charitable cause.
- Organized a community-wide educational program which improved or contributed to the improvement of the community inhabitants.

Biomedical Community Contribution

Biomedical community contributions are those activities which enhance the professional biomedical community. Examples of contributions are:

- Published articles in biomedical related professional journals, magazines, or periodicals.
- Presentations at a biomedical organization functions.
- Participation in panel discussions at biomedical organization functions.
- Volunteer work assisting a biomedical organization.

SUBMISSIONS:

All submissions will be made on the reverse side of this form and submitted to the NCBA Board of Directors so that they are received no later than October 31st in the year of submission.

NCBA Professional of the Year Nomination

(Please Type)

1. Name of Candidate: _____

Title: _____

Institution: _____

Work Address: _____

Work City/State/Zip Code: _____

Work Telephone: _____ Fax: _____

E-Mail Address: _____

Home Address: _____

Home City/State/Zip Code: _____

Home Telephone: _____ Fax: _____

2. Please attach a letter of nomination that states the reason and provides a comprehensive explanation of why this individual is being nominated. Please provide examples in ALL THREE areas listed on the reverse side of this form.
3. A resume of the individual being nominated **must** be attached for the nominee to be considered.
4. If you wish to provide additional letters of support, each letter should not exceed two pages.
5. Additional documentation may be provided, including a list of cited articles, published materials, or speaking engagements.
6. Mail your complete set of materials to:

North Carolina Biomedical Association
6300-138 Creedmoor Road, PMB 272
Raleigh, NC 27612-6730
Phone: (919) 688-6890
Attention: Professional of the Year

7. All entries must be received no later than October 31st in the year of submission.

The Top Ten Reasons for a Biomed to Learn Information Technology

By Leanne Cordisco

As an 18-year veteran of the field service world, I was reluctant to say yes when I was asked to learn the world of networking. I wondered how looking at a computer could match the satisfaction of a perfectly performed mechanical/electronic repair. That was a few years ago and I've learned to appreciate the elegance of a properly designed network. So, if you're finding yourself in the situation that I used to be in, I've got some advice to share. I humbly submit a dyed-in-the-wool biomed's top ten reasons for learning IT.

10. Never have something splashed on you again

Working in biomed allowed me to see solids, fluids, and everything in between that a human body can generate. I quickly learned to appreciate dressing in scrubs; for I could duck into a locker room and change my clothes after turning a manifold over without looking inside it first and dousing my lap with something slimy. The worst spill I've seen in IT is coffee.

9. Become the most popular member of your family

Well, of course you are already! I know you can put together the new grill or bike without looking at the directions. But now, you'll be able to speed up your cousin's computer that is so full of cookies that it should be on a sugar-free diet.

8. You can work on networks from your home

The goal of many network administrators is to never have to leave their seats. They do this by building in fantastic remote servicing capabilities. As long as you have a working system, an internet connection and a little cunning, you can start a stalled service, uninstall and reinstall malfunctioning drivers, and save the day. That just doesn't happen in the world of ventilators.

7. Have Saturday Night Live Skits Written about You

You know, I've never seen Will Ferrell play an uppity biomed telling nurses that even a simpleton could perform a span calibration on that monitor in between cases, by simply overriding the 5 minute warm up period by pressing three hidden keys in succession. That's just not funny. But everyone can relate to the IT guy with his rapid fire keystroking fixing the proxy setting that's putting up something that is definitely NOT your homepage.

6. PEBCAK

How many times have you wanted to tell the end user that they're using the equipment wrong, and that the problems they are having are their own fault? If you work in IT you can, it's a PEBCAK error. **P**roblem **E**xists **B**etween **C**hair **A**nd **K**eyboard.

5. No More Sterilizers

'Nuff said.

4. You get to say groper without being sent to HR

One of the best troubleshooting tools an IT tech can use is Ping. It's sort of like a submarine using sonar to find other subs near it. The sub sends out a sound wave that bounces off the hull of the other sub. Ping works the same way. Your computer sends out a signal, it hits the other computer, and bounces back. Ping stands for packet internet groper.

3. Develop a whole new sense of humor

Walk up to any IT tech and say "there's no place like 127.0.0.1." Trust me, this is funny. How funny is it? You can get it on a T-shirt. An IP address like 127.0.0.1 is how a computer is found on a network. This one is special, though. It's the address that's reserved for your own computer. So, if you try to ping yourself (see #4) to see if your network connection is working you'll use IP address 127.0.0.1. It roughly translates to "there's no place like home." Funny. Really.

2. Stop carrying a heavy toolbox

There was a time that my toolbox weighed more than pets...combined!! Yes, in its full-blown glory, my toolbox topped out at a robust 38 pounds. Now I can carry the tools I need in my binder with my paperwork.

1. Paperless hospitals are already being built

Douglas Adams once wrote "resistance is useless". How right he was. Paperless hospitals are popping up like mushrooms; with more to come in the future. The gap between IT and biomed is rapidly closing. You'll be more valuable to your organization if you can walk up to a monitor that can't print to a remote printer and tell the doc it's a router problem between the two systems; and fix the problem with some keystroking rather than swapping out monitors and printers.

Would you like to understand the (attempts at) humor in this article? Then maybe it's time to take the leap and learn some new tricks. I recommend the CompTIA A+ and Net+ certifications. It's a comprehensive look at computer hardware, operating systems and networking. In a nutshell, it's a great way to get all the baseline skills you need to succeed in IT.

GE Healthcare offers the CompTIA classes through a remote learning format that will allow you to take the class from your office or the comfort of your own home. All instructors hold certifications in the classes they are teaching. GE Healthcare will send you a PC to rip apart for the hardware class, and a laptop loaded with multiple operating systems for the OS and Net+ class. Sorry, you do have to return the computers within 30 days of taking the class. You will attend a virtual classroom and are given a prepaid voucher to take the CompTIA certification exams. For more information on these GE Healthcare classes, surf to:

http://www.gehealthcare.com/us/en/education/it_certification/index.html

You can also learn more about the CompTIA certifications at: <http://www.comptia.org/certification/default.aspx>.

Leanne Cordisco is a technical trainer with GE Healthcare. She spent 14 years in the field with Datex Ohmeda field service and holds A+, Net+, and CTT+ certifications. She is also Cisco and Microsoft trained.

What's New at Pinehurst?

NCBA Golf Tournament moving from Wednesday to Sunday

The golf tournament is moving. Now, you won't have to choose between going to an educational class and chasing that little dimpled ball around the golf course. By scheduling the tournament on Sunday instead of Wednesday the NCBA board has freed up an entire day for you to stay on at Pinehurst and attend some of the sessions we have planned. The hotel will give you the NCBA's room rates if you come down and stay over Saturday night (so you'll be rested up for golfing) and this may open up the opportunity to bring your family for a mini vacation enjoying the attractions of the area such as the NC Zoo in Asheboro, potteries in Seagrove, and playing, shopping or "spa-ing" at Pinehurst.

The moving of the tournament may have some further impact on the class schedule. We may find it's possible to add more classes or to offer a certificate class on some of the devices that have three day classes to get you a "factory" certificate. It may not be possible to get this in place for this year's symposium but it definitely opens up the possibilities for the future.

2005 US Open Merchandise

For those of you that like to use a portion of your time at the NCBA Symposium to support the American economy at the Christmas season, many of the shops at the hotel and pro shop are stocked with merchandise with the logo advertising the 2005 US Open. The pro shop typically has a sale about the time of our meeting and has some pretty good buys on display.

Board of Directors Elections

It is the time of year when we begin to anxiously anticipate the NCBA symposium. That of course means it will be election time again. Many of you have expressed to me your interest in serving on the board of directors. To have your name placed on the ballot; it is as simple as sending me your name and biographical information. The biography does not need to be extensive. Education, work history, and current affiliations will suffice. If you are interested in serving as a member of the board of directors, please do not delay. Contact me at your earliest convenience at 704-991-0277, or email to wilsonwd@stanly.edu.

<h1>The Battery Clinic, Inc.</h1>			
MEDICAL, INDUSTRIAL, COMMERCIAL		Batteries For:	
800-786-1511		Portable X-Ray Machines	
The Battery Clinic, Inc.		<ul style="list-style-type: none"> ● General Electric AMX Units ● Philips Medical Units ● Picker International Units ● Raytheon Units ● CGR Battrix Units ● OEC C-Arm Units ● And Many Others 	
is a company devoted to <i>Quality</i> and <i>Customer Satisfaction</i> . With many years experience in the battery field, we can help you with most every type of battery or battery question. If we don't know, we will try to find out for you. When you need a battery or information on a battery, give us a call. "We've Got The Cure."		Biomedical Equipment <ul style="list-style-type: none"> ● Defibrillators ● Monitors ● Pumps ● Bed Scales ● Recorders ● Oximeters ● Transports <small>Call Us for Best 24/7 Pricing!</small> ● Patient Cables & Leadwires 	
www.BatteryClinic.com			
 <p>We Gladly Accept Government IMPAC Cards!</p>		Physio Control Hewlett Packard Spacelabs Baxter Travenol Critikon Corometrics Datascope Sherwood Tektronix Kontron Lifeline Abbott Air Shields/Vicker Burdick Cambridge Medical Criticare	McGaw Lacerdal Marquette Nellcor Ohmeda Ross Labs Zoll Digitron Gould Impact Medical Ivy Biomedical MDE Novamatrix Parks Electronics PPG Biomedical Many, Many, More!
2058 Gordon Highway * Augusta, Georgia * 30909			
Proud Supporters Of The NCBA Since 1992			

Today's Multivendor Environment Demands Highly Trained Service Professionals

We Make Sure YOURS Are The Best!

International Certification

Applied Engineering Diploma

Clinical Laboratory Maintenance

Biomedical Equipment Maintenance

Specific Imaging Products Courses

CT, MRI, Ultrasound, Nuclear Maintenance

Networks, DICOM and PACS for Managers

PACS, DICOM, and Teleradiology Systems - Level V

Advanced Concepts of Digital Imaging Maintenance - Level IV

Fundamentals and Advanced Servicing of Diagnostic Imaging Systems - Levels I-III

440.519.1555 fax 440.519.1556

www.DITECnet.com

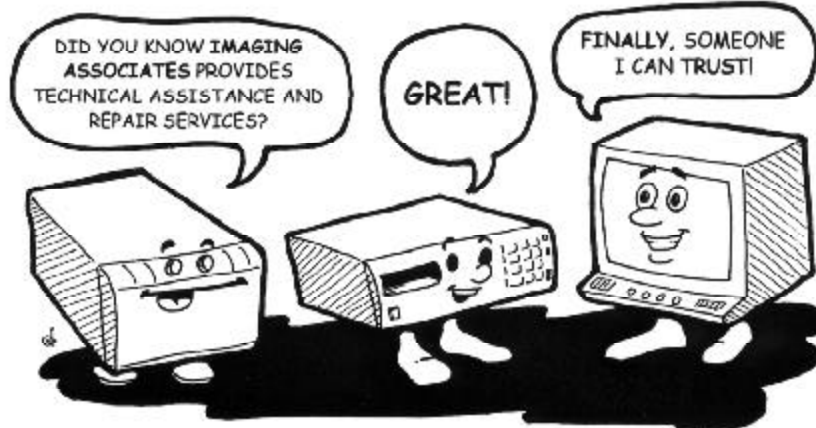
DITEC

info@DITECnet.com

Diagnostic Imaging Technical Education Center, Inc.

State of Ohio Board of Career Colleges & Schools Reg # 94-08-13981

SONY • MITSUBISHI



SERVICE & REPAIRS • CABLES • REPAIR ASSESSMENT
SERVICE MANUALS • PARTS • EQUIPMENT TRADE-IN PROGRAM

11110 Westlake Drive • Charlotte, NC 28273 • Tel 704-522-8094 • Fax 704-522-8098
7755 Bell Road • Windsor, CA 95492 • Tel 707-836-1534 • Fax 707-836-1543
7208 N.W. 56th Street • Miami, FL 33166 • Tel 305-887-4444 • Fax 305-887-1519

HITACHI • SEIKO • TOSHIBA

MAXELL • PARKER

ICI • PANASONIC

New Board Member - Parker Foster, Senior CBET

I received my AS degree in Biomedical Equipment Technology from Alamance Community College and worked at Moses Cone Hospital in Greensboro as a Co-op student during school. I was then employed by Biomedical Equipment Rental and Sales in Raleigh, NC for almost nine years, specializing in infusion technologies and providing field and phone technical support for customers over a 9 state area.

I then went to work for Avenatech in Miami as a Field Service Representative for a little more than a year before going to Duke working in-house. At Duke, I was part of the Perioperative Clinical Engineering team where I specialized in Perfusion equipment and Arthro/Endoscopic video systems. In May 2005, I went to work at Wakemed in the Biomedical Engineering Department. I have been a member of the NCBA for more than ten years.

I have been involved in several other projects as well:

- I have been project manager for a research project establishing the ASTM standard for Pulse-Oximetry motion artifact tolerance.
- In 2003, I traveled with Duke's Pediatric Cardiac mission project to Nicaragua as Staff Biomedical Engineer.
- I have taught the Anesthesia and Cardio-Pulmonary Anatomy and Physiology sections at the CBET review courses held in Chicago and Duke on several occasions over the past 3 years.
- I was involved in the design of a state-of-the-art Endo Urology Suite at Duke incorporating High-Definition video capture and distribution, PACS image retrieval and archival as well as the integral system control from a single touch panel.
- I designed and implemented the upgrade of video distribution in 8 OR's to a more reliable, stable platform than we were utilizing.

I live Downtown Raleigh with my girlfriend Kathy and I have two sons, Jack, 19 and Leland, soon to turn 9. I enjoy the nightlife of Raleigh, my old car, Computers, High-End Audio/Video equipment, live music, as well as spending time with my family and friends.

**Would YOU like to
SAVE money & time?**

PartsSource

***The latest innovation in sourcing
imaging & biomedical parts!***

877.497.6412

***By allowing PartsSource to find the part,
you save time & money.***

**Fax: 440.735.5070
www.mypartssource.com**



***"We needed our equipment certified.
Yesterday.
MET delivered."***

**Padam Chheda, Project Manager
National Gypsum**

Hospitals, clinics and Doctor's offices can't wait around for the testing lab to get there. We'll guarantee they won't have to.

When you find non-certified equipment (No UL, ETL, MET label), or an equipment supplier tries to sell your facility this equipment, call us. You can rest assured the product safety evaluation will get started right away.

Like you, we're on the job to protect the public from electrical hazards.

Non-Listed equipment has a history of critical problems. We work with Biomed and Hospital Engineering Departments, equipment supplier and manufacturers to get the job done right. It'll be one more thing you won't have to worry about..

For Field Evaluation service in the Southeast, call 800-321-4655. We'll be there. Yesterday.



MET Laboratories

Field Inspections that won't keep you waiting.

**800-321-4655
www.metsouth.com**

SCHEDULE of NCBA BOARD of DIRECTORS MEETINGS for 2005

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

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

March 11, 2005, Time: 10:00 a.m.

Baptist Medical Center, Winston-Salem, NC
Host – Sam Wright, Ph: 336-716-3437

May 13, 2005, Time: 10:00 a.m.

Moore Regional Hospital, Pinehurst, NC
Host – Crisci Miller, Ph: 910-215-5178

July 15, 2005, Time: 10:00 a.m.

Caldwell Community College, Hudson, NC
Host – John Noblitt, Ph: 828-726-2263

September 9, 2005, Time: 10:00 a.m.

Duke University Hospital, Durham, NC
Host – Glenn Scales, Ph: 919-681-2525

November 11, 2005, Time: 10:00 a.m.

Pinehurst Resort & Hotel, Pinehurst, NC
Ph: 800-487-4653, www.pinehurst.com

December 5-7, 2005

2005 NCBA Symposium and Expo
Pinehurst Resort & Hotel, Pinehurst, NC

January 13, 2006, Time: 10:00 a.m.

ARAMARK CTS, Charlotte, NC
Host – Sonny Richards, Ph: 704-948-5790

February 10-11, 2006, 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.

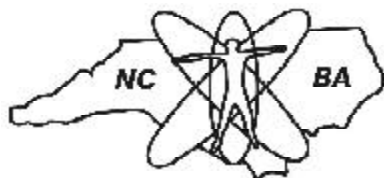
North Carolina Biomedical Association

6300-138 Creedmoor Road, PMB 272

Raleigh, NC 27612-6730

Phone: 919-688-6890

Website: www.ncbiomedassoc.com



PRESORTED
FIRST CLASS
U.S. POSTAGE
PAID

Durham, NC
Permit # 22