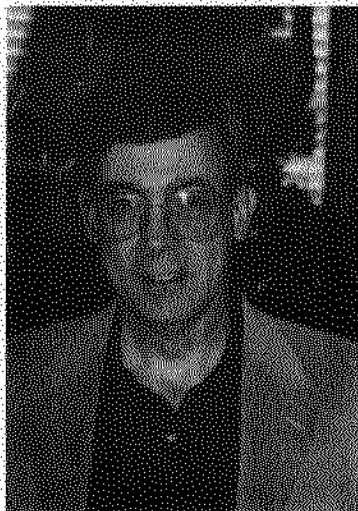


PRESIDENT'S FORUM



Glenn Scales, CBET
NCBA President

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I had the honor to be elected to the NCBA Board of Directors this past fall, and then to be selected to be your President for the Year 2000. I am looking forward to a very interesting year, filled with challenges and opportunities. This past year certainly had it's challenges.

After all the work we have gone through during the past 24 months, it seems fitting that I would start this column with a mention of Y2K. By the time you read this, we will have entered a new millennium and we will finally know whether all the media publicity has proven true. The important issue for the CE and BMET community to learn from this event, is what our role was in the preparation for Y2K and to not forget what we learned in getting our facilities ready for the millennium transition. Like most of you, I was intimately involved in the Y2K process, and found myself significantly changed by the process of managing a very extensive and high visibility project that had a direct influence on my institution's preparedness. Take the time now to reflect on how you and your Department were involved, how you were integrated into the management process. These will be valuable lessons for future interactions with your administration and professional staff. Regardless of how your project concluded, take the time to review the process and your involvement and learn from your mistakes and your successes. This has been a once in a career

opportunity to show your value to your institution.

This year also marks a significant turning point for the North Carolina Biomedical Association. This year will be the fifth time we have had a change in the location of our annual symposium. Each of these previous changes was undertaken reluctantly, but they were necessary to accommodate growth in our organization. This year we are moving to a new location at the Pinehurst Hotel in Pinehurst, North Carolina. As our organization has grown and our needs changed, we have found it more and more difficult to arrange a meeting location that will allow us to accommodate the size, diversity and educational needs of our membership. After having visited the Pinehurst Hotel on several occasions, I feel confident that this year's annual symposium will exceed all our expectations.

I am dedicating myself to ensuring that the Year 2000 NCBA Annual Symposium will be the best ever. However, I and the Board of Directors obviously cannot do this alone. The help and support of our members will be critical in this effort. I urge you to become actively involved in working with us. If you have an interest or would like to volunteer in any way, please contact me and you will be directed to the appropriate Board member or committee chair. The Board is looking for positive feedback about your educational and professional development needs. Please let us know where we can help you.

2000 Board of Directors

2000 NCBA Officers

President:

Glenn Scales, CBET
Duke Univ. Medical Center
919-681-0898 - Business
919-681-7361 - Fax

Vice-President:

Sonny Richards, CBET
FirstHealth Moore Reg. Hosp
910-215-1298 - Business

Treasurer:

James A. Tripp, Jr., CBET
N.C. Baptist Hospital
336-716-6799 - Business
336-716-6121 - Fax

Membership Secretary:

Diane Aker, CBET
Alamance Regional Medical Ctr.
336-538-7760 - Business
336-538-7722 - Fax

Recording Secretary:

Tommy Ballard
Rex Healthcare
919-784-2127 - Business
919 - Fax

Editor:

Howard Wigle
N.C. Baptist Hospital
336-716-3437 - Business
336-716-9395 - Fax

Ex-Officio:

Chris Dissinger, CBET
Moses Cone Health Systems
336-832-7911 - Business
336-832-7076 - Fax

2000 AT-LARGE

Board of Directors

Linda Leitch

Durham Regional Hospital
919-470-8182 - Business
919-470-4164 - Fax

Brian Poplin, CBET

Duke Univ. Medical Center
919-681-3172 - Business
919-681-7361 - Fax

Lane Rushing

Physio-Control Corp.
800-442-1142 x 2368 - Business
919-661-2598 - Fax

Mark Sonntag

Moses Cone Health Systems
336-832-8031 - Business
336-832-8194 - Fax

2000 Standing Committees

*Denotes Chairperson

Rules and Bylaws

Not As Yet Selected for 2000

Nominating Committee:

Not As Yet Selected for 2000

Finance Committee:

Not As Yet Selected for 2000

Membership Committee:

Not As Yet Selected for 2000

Education Committee:

Not As Yet Selected for 2000

2000 Special Committees

Newsletter Committee:

Not As Yet Selected for 2000

Scholarship Committee:

Not As Yet Selected for 2000

Vendor Coordination:

Not As Yet Selected for 2000

Hotel Coordination:

Not As Yet Selected for 2000

Public Relations:

Not As Yet Selected for 2000

Internet Committee:

Not As Yet Selected for 2000

Professional of the Year:

Not As Yet Selected for 2000

Archives Committee:

*Glenn Scales

2000 Board of Directors E-Mail Addresses

Diane Aker:
akerdian@armc.com
Tommy Ballard
tommy.ballard@rexhealth.com
Chris Dissinger:
chris.dissinger@mosescone.com
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glenn.scales@duke.edu
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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 even months. The newsletter is mailed on or about the first day of the odd 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 sometimes in short supply. If you have written any articles that may be of interest to our readers, submit it to Newsletter Committee Chairman Lane Rushing.

NCBA BOARD OF DIRECTORS MEETING October 27, 1999

The October meeting was held at the Koury Convention Center, Greensboro, North Carolina. President Chris Dissinger officiated. Following the call to order, the following reports were presented, discussed, and approval by the Board.

Treasurers Report: Jim Tripp provided an abridged Treasurer's Report to project NCBA net worth at the close of the 21st Annual Symposium. Other topics presented for discussion were; funding of future symposiums, and on-line banking.

Voting by New Board Members: Obie Godley moved to allow newly elected Board members to vote for Officers of the Board during the NCBA meeting scheduled for December. The motion was approved.

NCBA Grants: School Grants were discussed by the Board. Randy Meyers made the motion to present two \$5,000 Operational Grants to Caldwell and Stanly Community Colleges. It was stipulated by the Board that the money be used to enhance the Biomedical Programs at both schools. The motion was unanimously ap-

proved.

Scholarship: Lane Rushing presented the scholarship report. From the listing of scholarship applicants, the winners of the Norman "Red" Reeves and Eddy Whisnant Scholarships were selected. It was decided to present the scholarships to the winners at the October 28th General Membership Meeting.

Newsletter Report: Due to Howard Wigle's absence, there was no Newsletter report.

Donation: Suggestions on how best to use a \$500 donation by DITEC was discussed. It was decided to announce the DITEC Donation at the Business meeting. Use of the funds was tabled to a later date.

New Business: Chris indicated a need for the Board to meet before the end of the year to elect the new Board Officers for the upcoming year. The date and site selected was December 10, 1999 at the Pinehurst Resort and Country Club.

There being no further business, the meeting was adjourned.

22nd Annual Symposium Class Wish List

Please keep in mind that this is a tentative listing of proposed classes, subject as always to scheduling considerations, and such other adjustments as may be required. Suggestions are:

Administrative

BMET Certification Class
Conflict Resolution
Environment of Care Issues
FCC Update - HDTV
Human Resource Issues
JCAHO 2000 - What's Next
Labor Laws
Management Styles
New NFPA Standards

Technical

A+ Certification
Anesthesia Equipment
Diagnostic Imaging
Dialysis
Information Systems
Patient Monitoring
Surveillance Monitoring
Research Equipment - General
Respiratory Equipment
Telemetry

Additional requests addressed need for more hands-on classes, and that no auditoriums be used for technical classes. Does this list address your particular training needs? Additional requests should be addressed to the attention of Sonny Richards.
poppeth@hotmail.com

Virginia Biomedical Association Continuing Education Seminar

Come hone your skills and broaden your knowledge base at the VBA MBA Seminar for Managers and High Achievers at the Virginia Commonwealth University School of Business Center for Continuing Education. Three MBA style classes will be offered during the course of the day.

- #1 - Accounting and Financial Practices for the Non-Finance Professional
- #2 - Motivation, Teamwork and Leadership of Technically Oriented Employees
- #3 - Negotiation and Communication - Getting to Yes with Vendors, Contractors, and Your Boss

Cost: VBA Members \$160.00 per person. Non-VBA members \$175.00 per person. Lunch is included.
Parking is available in the VCU Parking Deck for \$4.00 per day.

Date: February 25, 2000

Time: 8:30 AM - Registration and Continental Breakfast 9:00 AM - Commencement of Program

Place: VCU School of Business, Richmond, Virginia

To register or obtain additional information please contact Al Strickler, President, VBA.

Phone (804) 282-6167 or e-mail strickler@erols.com

Please register early as seating is limited.

General Membership Meeting 21st Annual Symposium & Equipment Exposition October 27-29, 1999

Highlights of the General Membership Meeting are as follows:

Call to Order: The meeting was called to order at 12:30 PM by President Dissinger.

Approval of Minutes: The minutes of the 1998 General Business Meeting were read and approved.

Membership Report: Diane Aker stated the total NCBA Membership to be 436. A breakdown of categories was provided.

Treasurer's Report: Jim Tripp presented the current Financial State of the NCBA.

Educational Report: Topic areas presented by Cheryl Spencer included; BMET Certification Class at Caldwell Comm. College, Diagnostic Ultrasound Class conducted by Joe Weider of DITEC at NC Baptist Hospital, 1999 Symposium schedule of classes, and the Jeopard-D contest. Jeopard-D participants were Lawrence Smith, Lenoir Memorial, Kathleen Leckt, Cape Fear, and Crisci Fleming, Moore Regional. Lawrence Smith was the winner.

Recognition of the Board: Chris Dissinger recognized each member and thanked them for their hard work and dedicated service.

Scholarship Awards: Lane Rushing recognized the Directors and Programs of Caldwell and Stanly. Recipient of the Eddy Whisnant Scholarship was Chad L. Taylor, Caldwell CC. Receiving the Norman "Red" Reeves Scholarship was Chad E. Taylor, Stanly CC.

President's Award:

Presented to Howard Wigle for his work as Editor of the NCBA Newsletter.

Professional of the Year: Recipient of the 1999 Hill-Rom/NCBA Award was Dennis R Edwards, Lenoir Memorial Hospital, Kinston, NC.

School Grants: Ray Laxton recognized the Directors and Programs at Caldwell Community College and Stanly Community College, and presented each Director a check for \$5,000 to be used to help fund the Biomedical Programs at both schools.

President's Gavel: Ray Laxton presented the President's Gavel to Chris Dissinger for his leadership and dedicated service to the NCBA.

NCBA Board Elections: Ballots for the election of six members to the Board were distributed to the NCBA members. Chris indicated that the results of the vote would be posted at the NCBA Booth later that afternoon.

Rules and Bylaws Changes: Proposed changes to shift responsibility for Chairing the Nominating Committee from the VP to Recording Secretary, presenting of a Ballot for Board Membership Elections from the Membership Secretary to the Recording Secretary, and to strike the word "fall" from Article IV, so as not to restrict the holding of the Annual Symposium to a fall timeframe. All changes were approved by acclamation.

Adjournment: There being no further business, the meeting was adjourned at 1:35 PM.

Scholarships Continued

Eddy Whisnant Scholarship Recipient

Chad L. Taylor is a life long resident of Lenoir, NC, and is a second year student at Caldwell, carrying a GPA of 3.7. In recommending Chad for the Eddy Whisnant Scholarship, John Noblitt, Director of the Biomedical Technology Program at Caldwell, stated that "Chad has shown extraordinary leadership in his classes. In addition to being a top student, Chad has taken the time to assist other students with their projects and studies."

When asked how he intended to use the funds, Chad said he would use part of the money to offset the tuition cost of next semester, and the remainder to purchase a new set of tires for his car.

As for future plans, Chad plans to work a couple of years in the field, then further his education. He is considering attending UNCC or UNC-Chapel Hill.

Norman "Red" Reeves Scholarship Recipient

Chad E. Taylor, who is a resident of Richmond County, is a second year student at Stanly, carrying a GPA of 3.65.

Michael Hogan, Director of the Biomedical Technology Program at Stanly Community College, in recommending Chad for the scholarship stated that "Chad has shown the rare ability to manage school studies while commuting more than an hour each way daily, and working a part time job. As a Honor Student, Chad has shown maturity and dedication beyond his years and is never hesitant to provide classroom help to his peers. He has shown himself to be a real leader in and out of the classroom."

As for his future plans, Chad said that he is planning to do his internship at Southeastern Regional Medical Center in Lumberton. He is looking forward to graduation and going to work in the field. It's just a matter of accepting the right position at the right facility.

NCBA Presents 2 Scholarships

On Thursday, October 28, 1999, the NCBA had the distinct pleasure of presenting the annual NCBA Scholarships to two very worthy students,

Chad L. Taylor from Caldwell Community College and Chad E. Taylor from Stanly Community College.

Membership Update

We have finished another year and are now ready to start the Year 2000. Memberships begin with January 1 of each year,

so I would like to give you both a final report for 1999 and a new membership count beginning January 1, 2000. Remember that those who attended the

symposium in October were automatically renewed for the coming year. If you were unable to come, you not only missed one of the best ever, but you will

also need to **renew your membership.** Cards have been sent out as reminders, so be sure to get those turned in prior to the next newsletter.

1999 (Final Count)		2000 (at the end of symposium)	
Individual	284	Individual	232
Corporate	129	Corporate	167
Student	9	Student	15
Honorary	12	Honorary	12
Associate	3	Associate	3
Total	437	Total	429

Among the totals for 2000, we have 41 new individual members. They are:

Louis Abundis	N.C. Baptist Hospital
Ibrahim A. Almajali	King Hussian Medical Center
Cindy Atkins	Moses Cone Health System
William S. Atkinson	Bay Medical Center
Omar I. Ayesh	Royal Medical Services
Patrick Baker CBET	UNC Hospitals
Thomas E. Barnes	UNC Hospitals
Lance Barr	UNC Hospitals
Gene Blackwell	Duke University Medical Center
Paul R. Bliss, Jr.	VA Medical Center
Russell Briggs	Total Renal Care
David E. Bright, Jr.	UNC Hospital

Daniel A. Brown, Jr.	Premier, Inc.
Wayne Bruce CBET	Johnson City Medical Center
Robert "Jason" Bush CBET	High Point Regional Health Systems
E. Beale Carter, III	Alamance Regional Medical Center
Paul Eudy	Carolinas Medical Center
Richard W. Gaugler	N. Florida Regional Medical Center
James Gillie	Rex Healthcare
Joe Haire	Medical Equipment Service Company
Dan Harrison	Servicemaster Management Services
Steven R. Hawley, Jr.	Carolinas Medical Center
Scott Hinson CBET	Community General Hospital
Julio Huerta	UNC Hospitals
William E. Johnson	Barberton Citizen's Hospital
Kevin Kasinger	Premier, Inc.
John G. Kolehmainen CBET	A.C.E.S.
Darnell Long	New Hanover Regional Med Ctr.
Debra Long CBET	Universal Hospital Services, Inc.
Chris Marslender	Pitt County Memorial Hospital
Rudy E. McCray	Tanner Medical Center
Thomas G. McKinney, CBET	A.C.E.S.
Richard A. Padgett	Pardee Memorial Hospital
Roosevelt M. Peele CBET	Raleigh Community Hospital
Brian R. Poplin CBET	Duke University Medical Center
David Raymond	Cape Fear Valley Medical Center
Peter Rich	
Michael H. Smith	Duke University Medical Center
Pam Trompover	Iredell Memorial Hospital
Sonny White	Sonny White
Jason Williams	Moses Cone Health Systems
	Morehead Memorial Hospital

Just for your information, here is some attendance statistics from the Symposium:

Wednesday Attendance:	123
Thursday Attendance:	176
Friday Attendance:	151
Total Registration:	252

<i>Top class attendance:</i>	
Local & Wide Area Networks	
Class sessions attended per day:	
Wednesday:	214
Thursday:	154
Friday:	202
JCAHO	12
Total # of Certificates Issued:	582

We had 45 persons attending from out of North Carolina including 2 from Alaska and 2 from as far away as Jordan.
One more note for corporat Members: If you would like a copy of the membership roster in an excel spreadsheet, please Email me at akerdian@armc.com or call at 336-538-7760.

Diane Aker, Membership Secretary

"Volunteer, What Does It Mean To You?"

By James A. Tripp, CBET

According to Webster's Dictionary, the definition of Volunteer is --- n. 1) a person who chooses freely to do or offer to do something with no promise of compensation. --- adj. 1) serving as a volunteer, usually without compensation. --- vt. 1) to freely choose to offer or give without being asked or obliged. --- vi. 1) to freely choose to enter or offer to enter into any service. Well, that's the literal translation. But what does it mean to volunteer? To answer this nagging question, I went out and asked people to tell me what it meant to them in a few words. A sampling of responses I received were: "free labor," "dedicated help," "lack of compensation," "working for what you think is worthwhile and believe in," "accomplish a need at hand without any prompting," "donating your time and skills to complete a worthy task," "giving of yourself," "agree to work and put your heart into it," "giving of yourself to something you believe in," "giving of time and effort." All very good responses. So it would seem that volunteering means to believe in and help support a cause through time, effort, and skills for free without compensation. Well, that's just great! But in my case it seems that statement doesn't quite apply, because I feel I do receive compensation.

It just isn't in a monetary form. For

the time and effort that I invest, I get personal satisfaction, knowing that the cause I support will continue and grow. I get educational and networking opportunities while supporting my cause. I get the respect and admiration of my peers. I feel a great sense of pride and personal esteem in being part of a major event as it succeeds and comes to fruition. I get to enjoy the camaraderie and fellowship of my colleagues. I gain valuable insights into teamwork and get to be a responsible team player. I gain wisdom and knowledge from various and interesting associates whom I am proud to know. I receive many complimentary and heartfelt thanks for a job well done. I gain so much more with intangible assets that have a greater value to me than I would ever have if I was paid a cash amount. You just can't buy the kind of satisfaction that comes with volunteering and knowing you did a wonderful thing that touched so many and did so much. It's like dropping a pebble into a pool of still water and watching the ripples spread across the surface, then echo back with sympathetic vibrations. Nothing is left unaffected by that single event. That's how I feel about volunteering. Maybe you would like to volunteer and see what it means to you. Please consider volunteering for the NCBA.

Hill-Rom / NCBA Professional of the Year

Dennis is currently employed as a CBET III at Lenoir Memorial Hospital, where he has worked since 1982. In addition to having responsibility for implementation, verification and testing of all diagnostic and therapeutic equipment, Dennis maintains most of the R&F systems at the hospital, and fills in for the Department Manager in his absence. In nominating Dennis for the Professional of the Year award, Jim Tripp stated "I feel that Dennis is a great role model and an excellent candidate for this award. I had the opportunity to work with Dennis from October 1989 til March 1996, while employed at Lenoir Memorial Hospital. He was a great technician and a good teacher in my development as a biomed technician. He was also a great inspiration to me as a person, as well as a good friend. He has always impressed me with his honest opinions and personal

NCBA News Advertising

NCBA News is accepting advertising that relates to biomedical equipment and of interest to our readers. Suggested subjects are: Positions Desired, Position 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 the support of the NCBA Board. Camera ready copies of actual size ads 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" notice by members (one ad per year-- limit 50 words-- no charge) the following ads apply:

(Per 75 words)	Member	Not
Individual	\$5	\$7
Institute	\$15	\$25
Corporation	\$20	\$30

(Hill-Rom / NCBA Continued)
candor." Jim further indicated that Dennis has been a member of the NCBA since 1984, served on the NCBA Newsletter Committee in the past, volunteered as a candidate for the NCBA Board in 1991 & 1992, and was instrumental in hosting several NCBA Board Meetings at Lenoir Memorial Hospital. Additionally, Dennis has served on the Lenoir Community College Advisory Board for the Electronics Program for a number of years, and was instrumental in the drive to get all Biomed Techs at LMH certified.

Congratulations Dennis on your selection for the prestigious Hill-Rom / NCBA Professional of the Year award, and special thanks to Jim Tripp for taking the time to nominate a most worthy candidate.

NCBA SYNOPSIS OF THE 1999 SYMPOSIUM

WEDNESDAY

Critikon Dinamap Plus / Critikon Compact

Mr. Chuck Baldwin covered some of the important topics in the service manual, such as the parts layout, schematics, preventive maintenance, troubleshooting, and repair.

McGaw Horizon Pumps

Mr. Chuck Brooks presented some nurse's concerns and issues of the testing process such as volumetric measurement being more accurate than drop counting because of the positive pressure displacement. The hands-on portion of the class was excellent for the learning of key features and to comply with quality assurance. (Mr. Hector Rivera)

Corometrics / Marquette - 120 Fetal Monitor Series

Mr. Cop covered a general introduction and theory of fetal monitors, from the 115 to the 120 series. On the model 120 series, the general set up, board layout, and service menu were discussed. (Darnell Long)

Marquette Networking

Mr. Kabachinski covered four main aspects of networking: 1) ethernet topologies and communication protocol, 2) network devices like repeaters, bridges, routers, and gateways, 3) data packet architecture and 4) the OSI Model. All those aspects led into the WAN Concepts and the Internet.

Pentax 3300 Video Processor System

Mr. Ron Lee and his constituents covered basic operation, lamp replacement and maintenance of the 3300 video processor. Helpful information on bulb warranty, second source replacement of bulb, cleaning of internal filters when changing the bulb, and useful tips on operation of the 3300 and printer were discussed. The new EPK-700 was shown. Free loaners are available during factory repairs. (Joe Wilder)

THURSDAY

Cadmet / EG&G Xenon Lighting

Mr. Rogers discussed the different types of lamps used in fiber optic lighting instruments. Halogen, metal halids and xenon lamps were discussed. The cost and use of each lamp was presented.

Also, detailed information about optics

and reflectors were offered. Cold mirror advantages were presented in reference to the cheaper hot mirror reflectors used in fiber optic production. Safety tech tip: Seven to thirty thousand volts are present at the power supply and lamp in the first millisecond of light production. (Paul Rogers)

MDE / Choosing A Wireless Network

Mr. Don Sizemore elaborated on the subjects concerning 1) the extensive involvement of the Clinical Engineering Department in the decision making process, 2) the differences between wireless technologies available, and 3) the effects of outside influences on TV, Cell Phones etc. (Cullen Fisher)

MEDSERV International / The Human Element

Mr. Pellack conducted a seminar based on how the human factor contributes to equipment malfunctions. A psychological approach to the repair of equipment in a medical facility and the interaction with hospital staff. Discussion concluded with the concept of avoidable and unavoidable repairs. (Brian Poplin)

Managing Risks in MEMP's

Mr. Shepherd defined a management plan and its history including mentioning the JCAHO website that lists different types and examples of sentinel events. A risk is probability and seriousness of an event. There are five components of risk: 1) facility, 2) device, 3) operator, 4) patient, and 5) environment. Evaluation of the MEMP by Risk Management was recommended. (Mark Renfro, Glenn Scales)

Rauland Nurse Call System

Mr. Mike Perkins discussed battery life, system noise and how to get rid of it. Many other troubleshooting and operational tips were given as well as future problems with digital TV. (Jessie Jones)

Zoll M Series Defibrillator

Mr. Steve Trainor covered the safety issues, troubleshooting essentials, and the assembly/disassembly of the defibrillator. Emphasis was placed on following the directions in the manual. Also covered was the warranty, PM procedures and inspection intervals, overview

of the heart, ECG interpretation, and its relationship to the defibrillator. (Linda Leitch)

Ditec Diagnostic Ultrasound

Mr. Joe Weidner described things the technicians can do as first responders to a problem, described the probes and their usage, and technical aspects of ultrasound on different knowledge levels.

FRIDAY

Premier / Recruiting For Success

In addition to offering great advice on the interview process, Mr. Kevin Scoggins stressed planning as being essential to the accurate and consistent assessment of job applicants. Major points in the collection of data for the job analysis should include asking about credentials, knowledge, and opinions to reveal personal thoughts.

RSTI / CCD Camera

Mr. Cornell gave an overview of the charge-coupled device. This included the history, advantages over other cameras, and the types of sensors for CCD's. Being from RSTI, most of the information provided by Larry, was related to Radiology. In the future, he noted that all imaging would be digitally processed. Facilities planning on developing this technology would be well advised to examine all information and options available to them. (Debbie Draughn)

New Horizons Computer

Mr. Lammers covered the hardware components to a class of students well diversified in computer knowledge. The hands-on experience was something each student enjoyed.

One Source Endoscopes

Mr. Rogers presented the common problems with flexible scopes, the assembly, parts and cleaning techniques. (Greg Morgan)

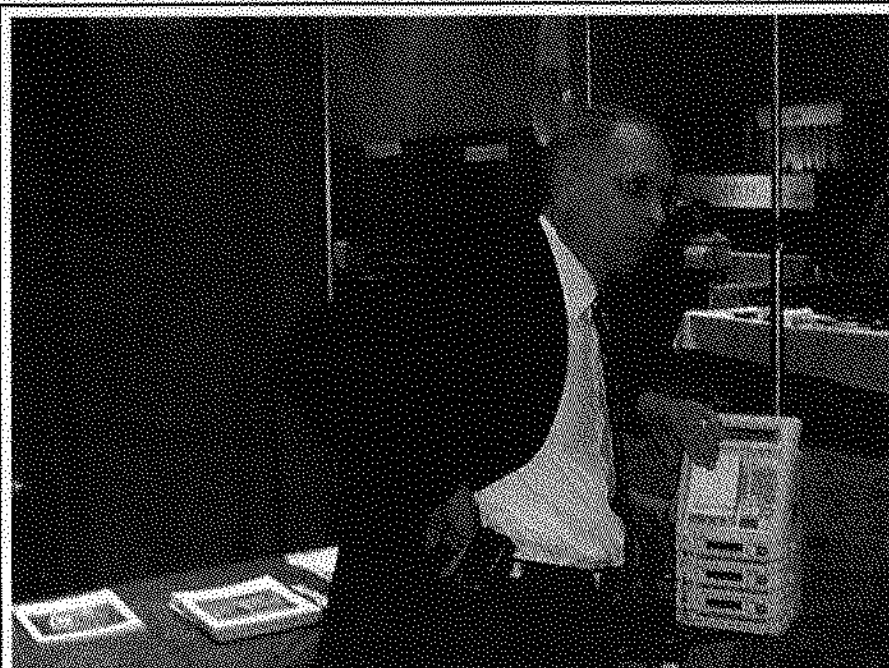
Investigating Device Related Accidents

Mr. Shepherd presented points of the report such as interviews of personnel involved, checking device, and the law.

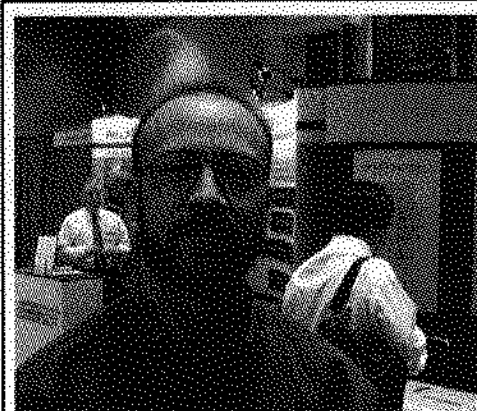
Coherent Holmium Laser

Mr. Muller discussed the uses of the new laser, testing procedures, and things to look for as a first responder.

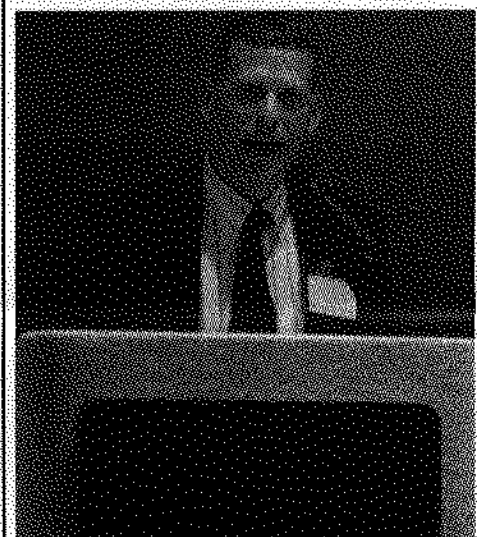
HIGHLIGHTS FROM THE 1999 NCBA SYMPOSIUM



Sales Representative Demonstrating The Baxter Colleague 3 Infusion Pump To An Interested BMET



Tim Cullen, Radiation Oncology
North Carolina Baptist Hospital



Chris Dissinger, Ex-Officio
Last Address to NCBA Membership

1999 North Carolina Biomedical Symposium

Greensboro, N.C.

The NCBA held its annual symposium at Greensboro, October 27-29, 1999. The attendance was great with 123 individuals on Wednesday, 176 on Thursday, and 151 on Friday. The vendors from the 79 booths in the exposition area increased the numbers even more. We welcomed 23 new vendors to the symposium this year.

We had a variety of classes this year from physiological monitors to video processing, from computer software to management classes. The classes were well received and lots of good information was exchanged there.

The traditional pig-pickin' was a

success. Dave Curly's sauce is a marvel of culinary science and just may have reached the level of highest art.

The greatest benefit of NCBA membership is meeting BMET's from all over the region and building a network of resources and resident experts on so many types of medical devices. Talking to one another between scheduled events and comparing notes on dealing with shared issues and concerns can't be beat.

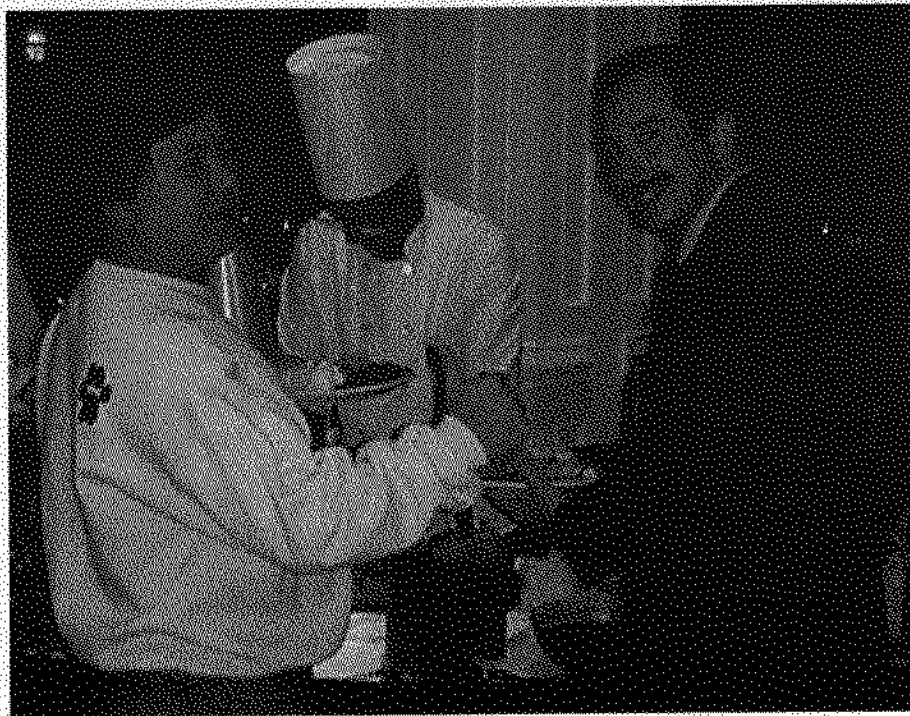
Let's get together and do it all again at Pinchurst in December 2000.

By Helen Jones



I'm Sorry, I Didn't Catch Your Name

HIGHLIGHTS FROM THE 1999 NCBA SYMPOSIUM



John Haar, Service Rep & Larry Rodman Sampling That Famous Pig-Pickin Barbecue. Who Said We're On A Diet?



Next Please!



Lane Rushing (R) Presents John Noblitt, Director, Caldwell CC With NCBA Biomedical Program Grant for \$5,000. A Similar Check Was Presented To Mike Hogan, Director, Stanly CC.

We've Come A Long Way

The last place I would have expected to spend the first weekend of the new millennium was in the NC Baptist ER, anxiously waiting for news on the medical status of my wife Janis. The day had started out as normal as any other, but shortly after arriving at Church, Janis began to experience the classic signs of cardiac distress. I immediately assisted her to the car and we made a hasty trip to the hospital, arriving at the emergency entrance in less than ten minutes. As was the usual case on any given day, the ER reception room was nearly filled to capacity. Thankfully, one of the Staff Nurses on duty, recognized the seriousness of my wife's problem, and quickly had her processed and admitted to the ER's Coronary Care Treatment Center. Having placed Janis into the watchful and caring hands of the Emergency Staff, I thereupon removed myself to the waiting room, to begin the long agonizing process of thinking, worrying, praying a lot, and the hardest part of all, waiting for word of her condition.

I had a lot of time to think about many things, but the one area on which I focused most of my attention, was on the subject of medical technology, and how far the field had advanced in the century we just left behind. I also thought about the part I played in the last half of the 20th Century, and my knowledge of what the field of Biomedical Engineering

was like in the 1950's. There is much in life that we wish did not happen in the past century, such as man's inhumanity to man, but in the area of medical technology, all of mankind has benefited to one degree or another. The fact is that many of us would not be alive today had it not been for the medical and scientific advances of the 20th Century.

My thought's returned to 1955, when my career in healthcare began. Upon graduation from Hospital Corps School in May of 1956, I was assigned to the National Naval Medical Center, Bethesda, Maryland, where I was subsequently assigned to the Thoracic Surgery Ward. The Bethesda Naval Hospital was the Medical Center for the Navy, much as Walter Reed in Washinton, D. C. was the Medical Center for the Army. Within the period of one year, I had advance to Senior Ward corpsman. The year was 1957. The patients on our ward consisted of active and retired military personnel, and their dependents. There were no separate wards for military officers, female patients, or dependent children. If the diagnosis was cardiac or thoracic, and surgical intervention was required, they were assigned to Ward 4D. There were no Medical or Surgical ICU's or CCU's in 1957, nor was there a Physiological Monitoring capability. We hadn't even heard of closed chest cardiac resuscitation, and if a

patient did arrest, or the heart begin to fibrillate, there was no defibrillator standing by to shock the heart back to operation, or return it to normal rhythm. There were no Infusion Pumps, Pulse Oximeters, CO Monitors, NIBP's or myriad of other sophisticated electronics devices that might be found within the patient care environment of the 21st Century. There were no dialysis machines to sustain life, should the patient go into renal failure. The most sophisticated diagnostic tools available to assist the physician in making his diagnosis was the single lead ECG machine, and X-ray machine. They couldn't order a stress test ultrasound, cardiac cath or MRI study. None of the equipment to perform such tests was available at the time. It's hard to believe that we're only talking about 45 years ago, but that's how it was in the the mid fifties. As archaic as our capability may have seemed, especially when compared to the standards of care practiced today, we were still considered to be on the cutting edge of technology.

Located across the street from Bethesda Naval Hospital, was the National Institute of Health. Collaborative ventures between the two Medical Centers occurred on a routine basis. You must remember that open-heart surgery was still in it's infancy, and by-pass surgery was still a number of years off. Some of the procedures being performed at our hospital, were being performed for the first

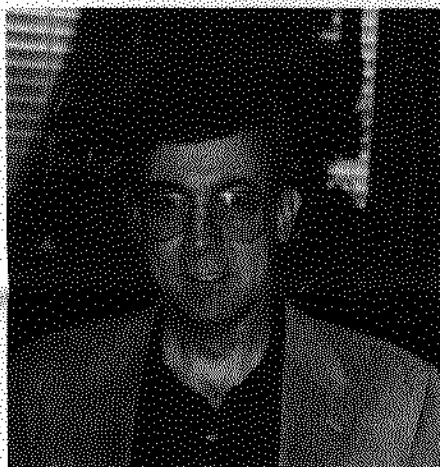
time. I felt especially privileged to be part of such an exciting period. I couldn't be more proud of the small part I played in making a difference in the lives of so many patients. Yes, there were equipment repairmen in those days, but very few had been formally trained, and most of what required repair was within the capability of someone within the maintenance shop.

As my thought returned to the present, I was truly amazed at just how far we had come. Once again I knew that I was in the right place at the right time, and that Janis would be getting the best care available. My final thoughts before being allowed to go back and see Janis, was the assurance I had in knowing that every resource available to the physicians would be utilized in her treatment, and that assurance extended to the patient care equipment for which my department had responsibility. Its at times like this that you really get a feel for just how important your job is. As BMET's, we are all part of a proud profession, and a very critical part of the Team of Healthcare Providers within every institution we serve. May we never lose sight of our importance in the healthcare arena, or our need for diligence in maintaining and providing the highest standards of quality service to those we serve. Who can ever know, when one of us, or our loved ones, may come to depend on how well we did our jobs.

Editor

NCBA Board of Directors New Members

Casting of ballots to nominate six members to the NCBA Board of Directors was one of the agenda items conducted during the Symposium's Annual Business Meeting held on Thursday, October 28, 1999. Nominated to a 2nd two year term was Mark Sonntag, Vendor Coordinator, and Howard Wigle, Newsletter Editor. New members nominated to the Board were Glenn Scales, Tommy Ballard, Linda Leitch, and Brian Poplin.



Glenn Scales, CBET

Glenn is a graduate of the US Airforce School of Healthcare Sciences, where he also served three years of his six-year Airforce career as a Biomedical Engineering Instructor. Other work related experience includes employment with CHESS (Sun Health), Wake Medical Center as Director of Biomedical Engineering; Biomedical Equipment Rental & Sales; and Management position with Servicemaster at Duke University Medical Center, where he is presently employed. Glenn has been affiliated with the NCBA for many years, as both a member and ardent supporter.



Tommy Ballard

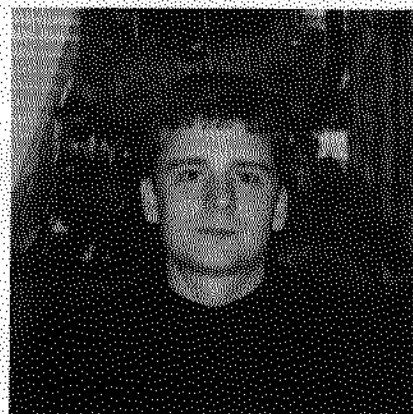
Tommy received his AAS Degree in Biomedical Equipment Technology from Stanly Community College, Albemarle, NC. Since graduation, Tommy has been employed by Rex Healthcare. As a senior biomedical technician, Tommy lists the Clinical Lab, Respiratory Care, and Critical Care Departments as his areas of specialization.



Linda Leitch

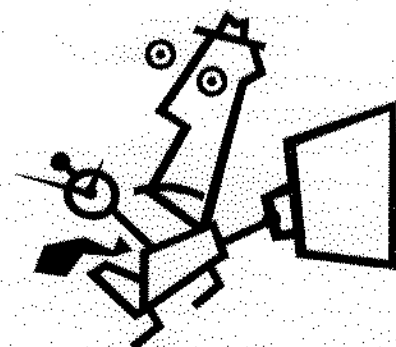
Linda received her AAS Degree in Biomedical Equipment Technology from Alamance Community College, Burlington, NC. Presently employed by Durham Regional Hospital as a Senior BMET, Linda's career as a biomedical technician will mark its 10th anniversary in the year 2000. Profes-

sional affiliation listed was the National Association of Nephrology Technicians. Linda stated her areas of specialization to be Clinical Lab, Hemodialysis, Intensive Care Nursery, and Perfusion.

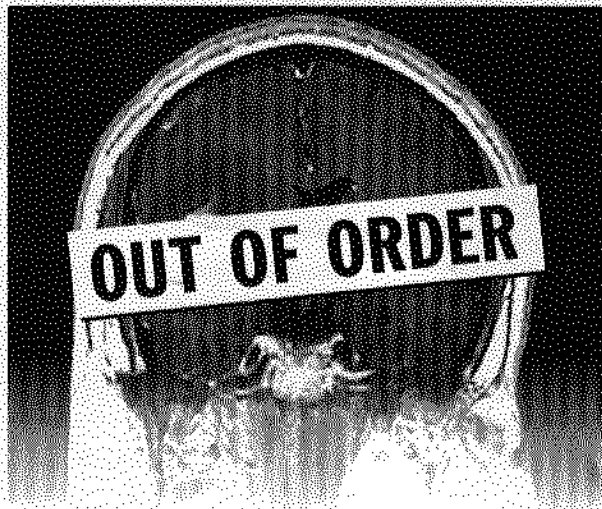


Brian Poplin, CBET

Brian received his BMET training while serving as a member of the United States Air Force. He also holds BS & MS degrees in Business Administration from Indiana Wesleyan University. Brian's work history includes four and one-half years service at Shaw Airforce Base, Senior BMET and Radiology Imaging Specialist for ServiceMaster, VP of Operations for Alpha Omega Imaging, and Technical Support Manager for ServiceMaster at Duke University Medical Center, where he is currently employed. Professional affiliations are: American college of Healthcare Executives, ASHE, and Indiana Biomedical Society.



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