NEW ENGLAND HOSPITAL ENGINEERS' SOCIETY
PAST PRESIDENTS

1955/59
George A. Vera
Chief Engineer
St. Luke's Hospital
New Bedford, Massachusetts

1959/60
Richard Stockwell
Chief Engineer
Veterans Administration —
Davis Park Hospital
Providence, Rhode Island

1960/61
Joseph W. Degen
Assistant Director
Massachusetts General Hospital
Boston, Massachusetts

1961/62
Edwin W. Chaffee
Administrative Engineer
Rhode Island Hospital
Providence, Rhode Island

1962/63
William T. Harney
Plant Engineer
St. Vincent Hospital
Worcester, Massachusetts

1963/64
Vincent F. Gardner
Administrative Engineer
Beth Israel Hospital
Boston, Massachusetts

1964/65
Louis B. Ely, Jr.,
Administrative Engineer
Mary Hitchcock Memorial Hospital
Hanover, New Hampshire

1965/66
Warren E. Marble
Administrative Engineer
Danbury Hospital
Danbury, Connecticut

1966/67
Charles Shields
Chief Engineer
Memorial Hospital
Worcester, Massachusetts

1967/68
Everett H. Benoit
Administrative Engineer
Rhode Island Hospital
Providence, Rhode Island

1968/69
William T. Doherty
Plant Superintendent
Saint Francis Hospital
Hartford, Connecticut

1969/70
Fred Macniss
Chief Engineer
Cooley Dickinson Hospital
Northampton, Massachusetts

1970/71
Gil Nesiolini
Director of Engineering
and Maintenance
Massachusetts General Hospital
Boston, Massachusetts

1971/72
Alexander J. Bader
Plant Engineer
Gaylord Hospital
Wallingford, Connecticut

1972/73
William H. White
Administrative Engineer
Framingham Union Hospital
Framingham, Massachusetts

1973/74
Bernard F. Dowd
Administrative Engineer
Worcester Hanneman Hospital
Worcester, Massachusetts

1974/75
James C. Hanlon
Chief Engineer
Kent County Memorial Hospital
Warwick, Rhode Island

1975/76
Andrew J. Triano
Director of Engineering
Newington Childrens Hospital
Newington, Connecticut

1976/77
James M. Lawson
Administrative Engineer
Medical Center Hospital of Vt.
Burlington, Vermont

1977/78
Raymond Kowalski
Administrative Engineer
Memorial Hospital
Pawtucket, Rhode Island

1978/79
James L. Gleason
Director of Maintenance
Bigham and Womens Hospital
Boston, Massachusetts

1979/80
Ralph Henry
Project Coordinator
Medical Center of Vt.
Burlington, Vermont

1980/81
Donald J. Kohler
Assistant Administrator
Physical Plant
Bridgeport Hospital
Bridgeport, Connecticut

1981/82
Paul D. Taylor
Director of Physical Facilities
Anna Jaques Hospital
Newburyport, Massachusetts

1982/83
Albert H. Jones
Director of Engineering
Putnam Memorial Hospital
Bennington, Vermont

WHERE DID OUR PRESIDENTS COME FROM?

Massachusetts 11
Rhode Island 5
Connecticut 5
Vermont 3
New Hampshire 1
Maine 0

Total 25
PURCHASING IN THE MAINTENANCE DEPARTMENT
by Albert H. Jones

On important variable in the success of any Maintenance Department is the way in which supplies and equipment are purchased. Arrangements between the Maintenance and Purchasing Departments vary widely from hospital to hospital. In some instances, a hospital buyer within the Purchasing Department may have expertise in the areas of maintenance supplies and equipment. In this case, the Purchasing Department may handle the entire maintenance purchasing function. In a large Purchasing Department with the necessary manpower and expertise, this arrangement is preferable. The hospital centralizes its purchasing functions, improves interdepartmental relations, and has an experienced buyer negotiating for the best pricing possible.

At Putnum Memorial Hospital, we have placed the purchasing function within the Maintenance Department. Without a designated maintenance buyer within Purchasing, this arrangement is more practical. Because Maintenance personnel are carrying out the purchasing function, certain steps are taken to ensure that the hospital continues to exercise prudent buyer techniques:

a. All purchasing functions are centralized and carried out by as few maintenance personnel as possible.

b. The maintenance buyers are trained in basic negotiating techniques so as to secure a well negotiated price.

c. The maintenance buyers are aware of basic purchasing department procedures, including the hospital’s system for developing specifications and requesting quotations.

d. When major capital equipment purchases are being made, the maintenance buyers work together with the purchasing agent, using his expertise to develop specifications, secure quotations, and negotiate favorable pricing.

e. All maintenance related sales representatives are required to check in with the Purchasing Office prior to meeting with Maintenance personnel.

Regardless of whether or not purchasing takes place within the Maintenance Department, approval of all non-stock requisitions by the department head is a good internal control procedure. It permits the department head to continuously monitor the purchasing function within the Maintenance Department. The Department head will also want to closely watch actual vs. budgeted expenses for both supplies and capital equipment on a monthly basis.

HOSPITAL ENGINEERING UPDATE
The American Society for Hospital Engineering is co-sponsoring a concentrated two-day study on Hospital Engineers. The program: Hospital Engineering Update: An Intensive Study, will be held on Hilton Head Island, South Carolina, on October 12-13, 1983. Issues such as hazardous and infectious waste, JCAH requirements, federal reimbursement systems, and other salient topics. If you need further information, call: 312-280-6144

COMPUTERIZED PREVENTIVE MAINTENANCE PROGRAM AT MIDDLESEX HOSPITAL MIDDLETOWN, CONNECTICUT

Seven years ago the Engineering Department at Middlesex Memorial Hospital embarked on a campaign to develop an in-house preventive maintenance program that would provide all the essentials necessary for a comprehensive maintenance management system. Manual and/or automated P.M. System in use at the time had limited ability to meet the needs of the department. The Director of Data Processing in conjunction with the Engineering Department established the groundwork for the system, utilizing an IBM 4331 Computer running under DOS/VES6 operating system. Goals and objectives were established and a flexible program providing for growth and expansion was formulated.

Terminals are for Data Entry. P.M. tickets are generated from the carefully developed master file. The ticket includes all pertinent information regarding the item to be inspected (manufacturer, model number, serial number, due date of inspection, frequency interval, materials needed, location, warranty status, resource procedure required, date completed, time in hours and minutes, initials of inspector, assisting work centers, cost and leakage current measurements). All of this information is printed on a 3" x 6" slip of paper that can be easily handled by maintenance personnel.

The system is flexible and can be used by other departments for quality control, P.M., inventory, service agreements and time inspections. The Laboratory, Nursing and X-Ray Departments are now on the system.

The program has been expanded to provide documentation and reporting of unscheduled maintenance. This feature was worth the entire effort because for the first time all maintenance functions can be scrutinized to get a clear and precise indication of what the Engineering Department is doing.

Monthly reports summarize the activities of the Department. The scheduled maintenance report details information relating to the current month and past due dates. The first page of the printout provides the total number of inspections scheduled relative to resource, total number completed and percentage for a quick comprehensive summary. Another section lists every piece of equipment scheduled by resource, due date, completed date, initials of inspector, leakage current measurements. All items are listed for the current cycle and year to date.

The advantages of an in-house computerized maintenance program far outweigh the initial and long-term cost when you consider the complexities of management of such a diversified department. Our system helps provide use of human resources, time and material to help plan, coordinate and control the many services we provide. Productivity can be assessed by evaluating man hour utilization by resource for P.M. and unscheduled maintenance. Justification for additional manpower can easily be obtained based on the number of annual P.M. inspections and on the number of repair calls.

Management can also assess obsolescence through a printout showing accumulated cost for repairs on a specific piece of equipment or identify problems relating to particular manufacturer's make and model for resolution by the company's Engineering staff.

David Reese
Director of Clinical Engineering

HUMIDIFICATION PROBLEMS

The engineering design for humidification of seven operating rooms, recovery and doctor's and nurses' lobbies for the Lawrence Memorial Hospital of Medford, MA provided water spray units before the cooling coils which have severely rusted out, that section of ducts. These units are 3 McQuay HVAC duct sections, only six years old, and have a replacement cost of about $33,000. The supplier has sold out this part of his equipment to a Texas firm.

One of the three HVAC units is not easily accessible in the mechanical room. Naturally, time is critical and it appears that in-place repair is the best solution. A suggestion to sand blast surfaces and coat with fiber glass would have almost impossible environmental problems. The accepted solution is to replace all totally corroded baffle's and line the inner duct work with PVC sheets cemented to the duct. Much of this work is being done over a weekend so the recovery room will be available weekdays. Fortunately, a fourth air handler supply is reasonably near the recovery room supply and a temporary cross connection is being installed in the event work is not entirely complete by Monday.

Despite the serious effect of water spray on the duct work, consulting engineers are suggesting that the hospital continue using water spray because it is easier to control. My observation is that since we have no explosive anesthetics in our O.R.'s, we have a wide possibility of choices on humidity and that duct work maintenance is more important than humidification control.

David B. Hathaway
(617) 396-9250
Ext. 1481

PARTS

Following is a list of parts that are available for Creamsc - Model ST-100 Meals on Wheels food trucks. If you are interested, contact:

John J. Crowley
Administrative Engineer
St. John’s Hospital
14 Bartlett Street
Lowell, Mass. 01852
617-458-1411

CRIMSCO - MEALS ON WHEELS
Model ST-100

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<th>Part No.</th>
<th>Description</th>
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<td>Tires, 6 in.</td>
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HISTORICAL DATA

1957

The A.H.A. Section for Hospital Engineering was guided by a committee of three engineers selected by engineer members and three administrators selected by A.H.A.

Joe Degen was a member of this committee. It was Degen's idea that a regional hospital engineering society affiliated with A.S.H.E., would be more beneficial to the individual members than a program of national meetings only, with communications to and from the A.H.A. and the individual.

In the fall of 1957 Joe Degen (in what sounds like a mafia type operation) called Lou Hough "a member of an active Boston Group" and George Vera, who was with a "Southeast Group," and arranged for these men to "talk it over."

The team of Degen, Hough and Vera appears to be our first committee and is identified by Joe Degen as a "Steering Committee." In reality, Hough and Vera appear to be the support Joe Degen needed for the successful organization of the N.E.H.E.S. This statement is based on a very limited research effort and I am sure other names will be credited with assistance in this phase of our society.

A meeting of the New England Hospital Engineers' Society was planned to be held at the Parker House and times to coincide with the March, 1958 meeting of the New England Assembly.

1958

Meeting held at Parker House as planned. Bill Brines of the Newton Wellesley Hospital with the New England Assembly representative. About 60 engineers were present and they voted for acceptance of the regional society.

1959

First Formal Meeting held at Massachusetts General Hospital in March.

Guest Speakers:

Arthur Barnes, Memorial Hospital, N.Y.
Lee Marner, St. Luke's, N.Y.

Officers were elected, dues set, and the society was started. The first officers were:

President: George Vera

Vice President: Richard Stockwell

Treasurer: Joseph Degen

Secretary: William Harney

The first bank account was a checking account opened at the First National Bank of Boston at their Cambridge Street office in March or April 1959.

1960

Newsletter:

In our 1960 correspondence folder, filed just before a letter dated January 4th, is a two page unmailed letter to our members from Richard Stockwell, President. Under the typewritten title N.E.H.E.S. are the two typewritten words: "News Letter."

This may very well be our first Newsletter.

1961

Newsletter dated April 15, 1961 reports a Publication Committee formed by Joe Degen. Members of this Committee:

Warren Marble, Chairman

Bill Harney

Tom Manchester

Lou Ely

A N.E.H.E.S. emblem contest was announced in the April 15th Newsletter.

Prizes: Bottle of Scotch and box of cigars.

Joe Degen's letter to Ely dated April 20, 1961, contains in part:

4. The Newsletter:

a. The format should be distinctive of N.E.H.E.S. and until we have an emblem for a masthead, perhaps just the title you have it.

September 26, 1961: "The emblem contest committee declared the winner of the contest a tie, so that two prizes are to be awarded. The winners are Edwin Chaffee, Administrative Engineer, Rhode Island Hospital, and John Vandermerscroft, Engineer, V.A. Hospital, Newington, Connecticut.

Honorable Mention: Peter Doran and A.H. Bouley.

To quote Joe Degen again, "In effect the emblem uses the symbolism as furnished by Ed and adds the interpretive words by John Vandermerscroft."

We cannot mention our Newsletter without mentioning Louis Ely, Jr. It was the professional efforts of this highly dedicated member that has made our Newsletter the quality publication we have come to take for granted.

1964

Fall Seminar Procedure:

A very detailed procedure dated June 5, 1964 and titled, "Suggested Procedure for Preparing Fall Seminar" was presented by Warren E. Marble, 2nd Vice President.

1969

President Doherty's Procedure Chairman, Andrew Triano, composed the words for a card to be used to express the Society's sympathy in the event of a death of a member.

This formal sympathy card should be available by April, 1970.

The efforts of President Doherty and Procedure Chairman Triano also resulted in President Doherty being authorized to make an Award of Merit to an individual member or members of his choice for outstanding service to this society.

1970

By-Laws Committee:

Nessolini, Chairman

MacInnis, White

A time-consuming and very thorough study to upgrade, correct, and modernize the existing By-Laws will result in the membership voting on proposed changes during our March Annual Meeting.

A future study of our Society's history will record the key developments and name many key members whose efforts have resulted in the N.E.H.E.S. standing as one of the leading regional hospital engineering societies in this nation.

Included amongst the deceased members of our Society is our first president, George Vera. Look at the list of Past Presidents, and know that they and current President Fred MacInnis have, and will continue to make dedicated and unselfish efforts to insure the success and professional growth of our society.

This time does not permit me to list the many contributions of our past presidents, but one has only to look at a copy of our March 24, 1970 Annual Meeting program for an example of this continuous dedicated effort. This program reads in part:

8:00 a.m.

Vincent Gardner, P.E.

PROSPECTIVE PRICING TOLL LINE AVAILABLE

The A.H.A. Office of Public Policy and Analysis are answering questions daily during business hours on Prospective pricing and cost-per-case legislations. The toll free number is 1-800-621-6712.

INFECTIOUS WASTE

John Crowley presented a new Manual he received from E.P.A., at the May meeting of the MiddleMac Hospital Engineers' Association. The manual is on "Infectious Waste Management." Anyone wanting to obtain this manual should send to:

Manual on Infectious Waste Management
No. SW-957-September-1982
U.S. Environmental Protection Agency
Office of Solid Waste
Washington, D.C.

N.E.H.E.S. EMBLEM

An emblem contest was held for the New England Hospital Engineers' Society in June of 1961. A prize of a bottle of Scotch and a box of fine cigars was offered as prizes.

A NOTE FROM A RETIREE

Dear Sirs:

Many thanks for N.E.H.E.S., Newsletters, which after ten (10) years Retirement from Sharon Hospital, Sharon, Connecticut, still proves a great interest to me. It is a good link with the past. I was a Charter Member, now Honorary of C.H.E.S. I still receive the Newsletter, also past member of Power Engineer's Assoc., Bridgeport, Ct. These letters bring back a lot of memories, also prove of interest to my wife, who worked at Sharon Hospital up until Retirement.

Please note change of ZIP 32817 to 32826.

J.G. Metcalfe
1650 Genie Street
Orlando, FL 32826
NEWS FROM THE STATES
CONNECTICUT
In August, the Annual Meeting and Pig Roast of the Connecticut Hospital Engineers’ Society was held at Mr. Popham’s house. New officers for 1983/84 were nominated and approved. The new officers are:
President:
James J. Piro
Director of Engineering
Newington Children’s Hosp.
Newington, Ct.
Vice President:
Roy LeClaire
Director of Engineering
Mt. Sinai Hospital
Hartford, Ct.
Treasurer:
Thomas R. Riccio
Engineering Foreman
Newington Children’s Hosp.
Newington, Ct.
Secretary:
Alan C. Seagave
Director of Plant Operations and Maintenance
Johnson Memorial Hosp.
Stafford Springs, Ct.

Other business discussed was the Annual Dinner Dance that will be held on September 24, 1983.

MASSACHUSETTS
The South Shore Hospital Engineers held their last meeting of the year on Nantucket Island. Most of the members took the ferry over in the morning and were met in Nantucket by Dan Maxwell of the Nantucket Cottage Hospital.

The hospital provided transportation to the meeting held at the Mad Hatter restaurant.

Host of the meeting was Frank Hogan of Resource Technology who discussed trash incineration and heat recovery as well as D.E.Q.E. activity in the region.

After the meeting, the Engineers toured Nantucket Cottage Hospital with Dan and his assistant, and a bus tour of the island was also provided. For those attending, it was a most enjoyable ending to our season.

Bernard Dow, Administrative Engineer at Worcester Hahnemann Hospital, informed me that the first meeting of the Central Mass Hospital Engineers was held this past May 13, at the Landlord Ben’s, Route 12, Sterling, Mass. Anyone interested in joining the group should contact Bernie at 757-7751.

DUES
A number of members have not paid the 1982/83 Dues. The New England Hospital Engineers’ Society has one of the lowest dues structures of any professional society. The Newsletter, Seminars and affiliations are necessary for each engineer to keep abreast of regulations, new developments and cost saving ideas. If you have not paid your dues, please send it in NOW.

1984 NATIONAL ELECTRICAL CODE
The 1984 National Electrical Code was officially adopted at the May N.F.P.A. meeting in Kansas City, MO. The new code has reduced duplication and conflict with other N.F.P.A. healthcare codes. An important change for Hospitals is the deletion, from the N.E.C., of the mandatory requirements for isolated power in Anesthesia locations. This still appears in N.F.P.A. 56A. However, the Joint Commission on Accreditation of Hospitals and the Health Care Financing Administration do not require isolated power.

GROUND FAULT PROTECTION
At the May N.F.P.A. meeting in Kansas City, MO an amendment to N.E.C. Article 230-55 was passed allowing hospitals to be exempted from Ground Fault Protection requirements on the incoming electrical service. ALTHOUGH passed at the meeting, the amendment may not be included in the 1984 N.E.C., because the Technical Committee could reject it.

N.F.P.A.
If you are a member of N.F.P.A., but not a member of the Health Care Section, contact N.F.P.A. for information. The Health Care Section has a separate publication and will provide you with specific information dealing with the Health Care Field.

NEW ENGLAND HOSPITAL ENGINEERS’ SOCIETY
DAVID O. ELLIOTT, Editor
Assoc. Dir. of Facilities
UCONN HEALTH CENTER
FARMINGTON AVE.
FARMINGTON, CT 06032

BAPTISTE, DONALD E.
PLT. SUPER.
STURDY MEMORIAL
211 PARK STREET
ATTLEBORO MA 02703

NEW ENGLAND HOSPITAL ENGINEERS’ SOCIETY
1982/83 OFFICERS
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Vermont

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St. John’s Hospital
Massachusetts

Vice President
Percy Hanscom
Regional Memorial Hospital
Maine

Treasurer
Richard E. Popham
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