FALL SEMINAR — October 9, 10, and 11 at Sheraton-Wayfarer Motor Inn, Manchester, New Hampshire

The theme is “Participation”

Although construction in hospitals is down, many of us do not know how we relate to architects, contractors, and sometimes our own senior administrators. We want you and your colleagues to have an opportunity to participate in this program. Here are some of the topics we will be covering:

Most hospitals do not own their own plans, do you? If you don’t, should you?

How much of a “SAY” do your individual mechanics have in new construction?

Who controls the general contractor when he is on your turf? What are the ground rules? (A handout of considerable size, relating to this matter of owner-contractor, will be given to all those who attend.)

Can you change the minds of the Board of Trustees or of senior administration when they are ill-advised by outsiders?

For those who are interested in the nuts and bolts, we will have American Air Filter presenting systems, applications, and information relating to air-handling systems. This is a good opportunity to ask questions relating to some of the new requirements which the medical field is demanding in highly sensitive areas of our hospitals.

The project directors from the universities of Maine, New Hampshire, and Vermont will be on hand to reveal the work being carried out under the Kellogg Foundation grant on bio-medical engineering.

What is bio-medical engineering?

How does this relate to the security of the existing plant engineers? Is your position being threatened?

Most engineers are involved in biomedical engineering and don’t know it.

How will the services of these universities and other programs similar to these in the United States eventually affect the average hospital? They will offer service, train existing personnel, train new hospital personnel for the field, carry out problem solving, and meet various emergencies which may arise within hospitals that are unable to handle them without assistance.

You should have an opportunity to meet these gentlemen and engage in a spirited question-and-answer session during the program.

A program for the ladies has been arranged. The engineers will be touring the Anheuser-Busch facilities and the Federal Aviation Administration Air Traffic Control Center in Nashua.

The Engineers’ Round Table will be a moderated discussion which will cover such items as:

Do you have to accept female mechanics if the are qualified?

Pay scales, job descriptions, nuts and bolts, along with many other items.

MEET OUR PRESIDENT-ELECT

JAMES C. HANLON

James C. Hanlon, Chief Engineer, Kent County Memorial Hospital, started towards his career in engineering in the Coast Guard, as electrician mate. After the Coast Guard, he was a partner for three years in a commercial refrigeration concern — then on to Military Sea Transport Service as Chief Electrician — then worked as an electrician for Pawtucket Memorial Hospital. In 1964 he started his employment at K.C.M.H. as Assistant Engineer, and in 1970 was appointed Chief Engineer. He received an A.S. degree in Health Service Administration (Engineering) from Roger Williams College in 1971.

Jim has been active in the community and was named Citizen of the Year 1973 by the Knights of Columbus in Coventry, R.I. He also received a plaque for service and dedication to New England Hospital Engineers Society in October 1973 in Newport, R.I.

In addition to his hospital work, he is guest lecturer at the R.I. Junior College, on Institutional Fire Safety; he is past chairman of the Engineers section of the Hospital Association of R.I. and past President N.A.P.E./R.I. No. 1, past treasurer of the N. E. Hospital Engineers Society and is now Chairman of the Board of Examiners for the R. I. National Institute for Uniform Licensing of Power Engineers.

He is married to the former Madeleine Poissant, R.N. He resides in Coventry with three children: Colleen — 12, Brian — 11, Lisa — 7.
PHOTO-THERAPY — For Pre-mature Children

In our most recent Newsletter, we cited the report by Dr. Jerold F. Lucey. Since there has been some confusion of the intent of the article, you are all encouraged to obtain a reprint from Journal of Perinatal Medicine 1(1973) 147 on "The Effects of Light on the Newly Born Infant" by Jerold F. Lucey of the Medical Center Hospital of Vermont. It has been suggested to the author by the editor of the article that the warning by the F.D.A. was rather premature if warranted at all.

CONTINUE TO NEED YOUR ASSISTANCE

Our organization is making a major effort to contact Clinical Engineers and Bio-Medical Engineers in our Hospitals for membership. We believe this new area should be an important arm within our organization and our Board of Directors has requested that contact be made to them. There is no easy way to obtain lists, etc., so we solicit your help to determine who and where they are. If you know of one or more, let your State Representative know so he can make the proper contact. Thank you.

ENGINEERING BOOKSHELF
Recommended Reading:


"The Peter Principle" by Dr. Laurence J. Peter and Raymond Hull William Morrow and Company, Inc., New York, New York 10016

NEW ENGLAND HOSPITAL ENGINEER'S SOCIETY MANUAL

Our Board of Directors has determined that there is a need for a manual to help provide some continuity in our programs. Also, there is a need for a general reference manual for solution to unusual problems. Starting with our next newsletter, we will be distributing insert sheets for this manual that you can maintain in your library and hopefully, they will be a great asset to you.

Remember, you'll have to be receiving a newsletter to be included in the distribution.

NEW HONORARY MEMBERS
Members who have been transferred to Honorary Membership:
Joseph Paradise
John Metcalfe
Harris Winslow
Raymond Brown
Woodrow Page
Manuel Carvalho
Mathew Hancom
Silas Waas

MEMBERSHIP DRIVE CONTINUES
Ralph Henry is Chairman of our Membership Committee. He is making every effort possible to get applications to all those who should be in N.E.H.E.S.

YOU CAN HELP!
If you know of someone who isn't a member, invite him to join us. Applications are available through:
Ralph M. Henry
Project Coordinator
Medical Center Hospital of Vermont
Burlington, Vermont, 05401.

---MEMBERSHIP MATRIX---

<table>
<thead>
<tr>
<th>STATE</th>
<th>MEMBERS</th>
<th>INSTITUTIONS</th>
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<td>SUMMARY</td>
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<td>421</td>
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To all members of the New England Hospital Engineer’s Society:

As instructed by your Board of Directors the following material has been prepared for the purpose of Incorporating your Society, if, in fact, you the membership so decide at the Annual Meeting to be held in Manchester, New Hampshire on October 10, 1974.

One important reason for incorporating the Society is to keep it a non profit organization, recognized by the Internal Revenue Service, who will assign an exemption number upon approval of the society as a tax exempt corporation.

Very truly yours,

William H. White
Past President
New England Hospital Engineers’ Society
ARTICLE IX AMENDMENTS

Section 9-1 of the constitution of our Society stipulates a thirty (30) day notice, prior to the annual meeting, of any proposed changes in the constitution be distributed to the membership.

Two thirds vote required.

Section 9-2 the By-Laws may be adopted, amended, or repealed at an annual meeting by a majority vote.

The following proposals are hereby forwarded to you for your consideration.

1. To incorporate the Society.
2. To combine the Constitution and By-Laws into "By-Laws of the New England Hospital Engineers' Society Inc."
3. To transfer the funds of the Society to the Corporation (if voted to incorporate) automatically at the time of acceptance of the articles of Organization.

The following changes (amendments) to the Constitution and By-Laws would be necessary to incorporate the Society.

1. Article 1 Name
   Add the word Inc. after Society.
2. Article III Type of Organization
   Section 3-1 first line, second word changed to Corporation.
3. Article IV Eligibility and Membership
   Section 4-2 first line, fourth word changed to Corporation.
4. Article V Officers (Constitution)
   Section 5-4 becomes Section 8-1 of Article VIII Vacancies and is worded the same as Article II Section 2-25 of the present By-Laws.
5. Article II Officers (Present By-Laws)
   Section 2-1 becomes Section 5-4 (new By-Laws)
   Section 2-2 becomes Section 5-5 (new By-Laws)
   Section 2-3 becomes Section 5-6 (new By-Laws)
   Section 2-4 becomes Section 5-7 (new By-Laws)
   Section 2-5 becomes Section 5-8 (new By-Laws)
   Section 2-6 becomes Section 5-9 (new By-Laws)

No change in the wording of the above sections.

Article II Officers cont. (Present By-Laws)
Section 2-7 becomes Section 5-10 (new By-Laws) and the phrase, by the secretary, is added after the last word in the third line, committees.
Section 2-8 becomes Section 5-11 (new By-Laws) and the words with the secretary, are inserted in the second line following the word filed.
Section 2-9 becomes Section 5-12 (new By-Laws)
Section 2-10 becomes Section 5-13 (new By-Laws)
Section 2-11 becomes Section 5-14 (new By-Laws)

and replace the word Constitution first and third lines with the words Articles of Organization.

Section 2-12 becomes Section 5-15 (new By-Laws)
Section 2-13 becomes Section 5-16 (new By-Laws)

and insert the words by the secretary and he shall after the word members on the first line.
204 AIR-CONDITIONED ROOMS.  6 SUITES.
Only an hour from Boston or the coast, the Sheraton-Wayfarer is on the superhighway network that serves northern New England. Route 101, Interstate 93 and 193, and Route 3 intersect at our door. Adjacent to Bedford Mall — next to Jordan Marsh — exit 4 from 101 and 93 — exit 10W from Everett Turnpike. Daily air transportation via major carriers from New York and Chicago. 3.3 miles from Manchester Airport.

Airport Limousine Service from Logan
Airport, Boston
Car Rental Service
Family Plan - (No charge for children
in parents’ room)
Gift Shop - John Gaffe’s Store
Laundry and Valet Service
Room Service
Year-round Indoor Pool plus Outdoor
Pool and Children’s Pool
Sauna Bath
Temporary Secretarial Help
Private Executive Cottage
Entertainment Nightly
All Major Credit Cards Accepted

DINING AND ENTERTAINMENT
DUNFEY'S TAVERN — Well-known as a truly fine
restaurant, a memorable dining experience of out-
standing food and service in a unique physical setting.
CRACKERBARREL LOUNGE — Famous throughout the
Dunfey Family Hotels and Motor Inns. This warm lounge
features the finest beverages in a relaxing Early
American atmosphere.
ZODIAC ROOM — Our swinging, stimulating, change-
of-pace entertainment. Striking, exciting, the music and
dancing never stop! Nothing like it in all New England.

A MAJOR BUSINESS AND CONVENTION SITE
Convention Center (pictured above) all on one level,
features great flexibility, with moveable walls and
meeting configurations.

Wall to wall carpet, total P. A. Systems, each room
individually, thermostatically controlled. Easy access to
all rooms through 12’ x 10’ graded exterior freight
entrance located away from guest entrance. Surrounded
by free parking for 600 cars.
Excellent for management seminars, trade shows,
association conventions, business meetings and meals.

PRIVATE FUNCTION ROOMS

<table>
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<tr>
<th>Room Type</th>
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<td>80</td>
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<tr>
<td>Executive Cottage</td>
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<td>Convention Center</td>
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<tr>
<td>McGregor Room</td>
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<td>150</td>
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<tr>
<td>6 Suites for Business Entertaining.</td>
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We also welcome you to visit our other hotels
and motor inns.

Massachusetts
Dunfey’s Parker House, Boston
Dunfey’s Hycrosc Resort, Cape Cod
Sheraton-Lancaster Motor Inn
(Route 128) Lexington
Sheraton Tewksbury Motor Inn
(Auburn) Woonsocket
Howard Johnson’s Motor Lodge, Newton
Baytree West Motor Hotel, Springfield
Connecticut
Sheraton Coca Cola Motor Inn
(Windsor) Hartford
Midtown Motor Inn, New Haven
New Hampshire
Sheraton Wayfarer Motor Inn, Bedford
Sheraton Meadowbrook Motor Inn, Portsmouth
Sheraton Motor Inn-Lancie’s Tavern, Hampton
Carpenters Motor Hotel, Manchester
Maine
Sheraton East End Motor Hotel, Portland
Sheraton Inn, (Portland Jetport)
South Portland
Rhode Island
Sheraton Motor Inn, (Providence Airport)
Warwick
Vermont
Sheraton Motor Inn, Burlington

Pennsylvania
Sheraton Motor Inn, Northside Philadelphia
Sheraton Airport Inn, Philadelphia International Airport
(opening fall ‘73)
Georgia
Dunfey’s Royal Coach Motor Hotel, Atlanta
California
Dunfey’s Royal Coach Motor Hotel, [near San Francisco Airport]
Texas
Dunfey’s Royal Coach Inn, Dallas
[Dallas Love Field]
Dunfey’s Royal Coach Inn, Houston
[near Astrodome]
Section 2-14 becomes Section 5-17 (new By-Laws)
Section 2-15 becomes Section 5-18 (new By-Laws)
Section 2-16 becomes Section 5-19 (new By-Laws)

and change the last word from Society to Corporation.

Section 2-17 becomes Section 5-20 (new By-Laws)
Section 2-18 becomes Section 5-21 (new By-Laws)
Section 2-19 becomes Section 5-22 (new By-Laws)
Section 2-20 becomes Section 5-23 (new By-Laws)

and the word Society first line becomes Corporations.

Section 2-21 becomes Section 5-24 (new By-Laws)

and the word Society’s becomes Corporation’s.

6. Article VII Meetings (Present Constitution) becomes Article X (new By-Laws)
   Section 7-1 (Present Constitution) becomes Section 10-1 (new By-Laws) and shall
   read as follows: There shall be an annual meeting held each year on the third Thursday in Oct-
   ober. *

   Section 7-2 (Present Constitution) becomes Section 10-3 (new By-Laws)
   Article VIII Quorum (Present Constitution) becomes Article X Meeting - Section 10-8.
   (new By-Laws).

7. Article IX Amendments (Present Constitution) becomes Article XV (new By-Laws)
   Section 9-1 becomes Section 15-1 (new By-Laws)

and change the first two words to read these By-Laws.

Section 9-2 eliminated

8. Article I Dues (Present By-Laws) becomes Article XI in the proposed new By-Laws.
   Section 1-1 becomes Section 11-1 (new By-Laws)
   Section 1-2 becomes Section 11-2 (new By-Laws)
   Section 1-3 becomes Section 11-3 (new By-Laws)
   Section 1-4 becomes Section 11-4 (new By-Laws)

and change the word Society second line to Corporation.

   Section 1-5 becomes Section 11-5 (new By-Laws)
   Section 1-6 becomes Section 11-6 (new By-Laws)

and change the word Society’s to Corporation’s.

9. Article II Officers (Present By-Laws) Section 2-22 State Representatives becomes
   Article VII State Representatives (new By-Laws).
   Section 2-22 becomes Section 7-1 (new By-Laws)
   Section 2-23 becomes Section 7-2 (new By-Laws)

and add the word Inc. after New England Hospital Engineers’ Society.

Section 2-24 becomes Section 7-3 (new By-Laws)

and the word Inc. is added in part a. after New England Hospital Engineers’ Society. Corporation
replaces the word Society on line one of part b. The word Corporation replaces the word Society
at the end of the second line in part d.

Section 2-25 of the present By-Laws becomes Article VIII of the proposed new
By-Laws and Section 2-25, 2-26 and 2-27 of the present By-Laws become Sections 8-1, 8-2 and
8-3 respectively of the proposed new By-Laws.

10. Article III Committees of the present By-Laws becomes Article IX of the proposed
new By-Laws and Sections 3-1, 3-2, 3-3 and 3-4 of the present By-Laws become Sections 9-1,9-2, 9-3 and 9-4 respectively of the proposed new By-Laws.
11. Article IV Meetings of the present By-Laws becomes Article X of the proposed new By-Laws.

   Section 4-1 becomes Section 10-1 (new By-Laws)

and is the same as the previously proposed change #6.

   Section 4-2 becomes Section 10-2 (new By-Laws)
   Section 4-3 becomes Section 10-3 (new By-Laws)

and reads as follows: Special meetings may be called by the President with the approval of the Board of Directors or upon written petition to the President by ten (10) members.

   Section 4-4 becomes Section 10-4 (new By-Laws)
   Section 4-5 becomes Section 10-5 (new By-Laws)
   Section 4-6 becomes Section 10-6 (new By-Laws)
   Section 4-7 becomes Section 10-7 (new By-Laws)

12. Article V Publication of the Present By-Laws becomes Article XII of the proposed new By-Laws and all wording of the Sections stays as written.

13. Article VI General Policies of the present By-Laws becomes Article XIII of the proposed new By-Laws and all wording of the Sections stays as written.

14. Article VII Parliamentary Authority, this article becomes a Section (10-9) of Article X of the proposed new By-Laws.

15. A new Article titled Article XIV Fiscal Year is proposed and reads as follows: *

   Section 14-1 the Corporation's fiscal year shall begin on the first day of October and shall end on the thirtieth (30th) day of September in each year.

16. Article IX of the present Constitution becomes Article XV of the proposed new By-Laws. Section 9-1 becomes Section 15-1 (new By-Laws) with the word Constitution changed to By-Laws.

   Section 9-2 is eliminated.

17. Article IV Membership, Section 4-1 changed to read as follows: All persons having supervisory responsibility for hospital engineering, related engineering disciplines and maintenance of buildings and grounds of hospitals or medical research facilities located in the New England States are eligible for membership.

   Engineering embraces multiple engineering disciplines that include the art and science of efficiently planning, managing, operating and maintaining the physical plant facilities and equipment for health care.

* Statutory requirements for corporations state that

   (a) a fiscal year must be defined
   (b) that the annual meeting must follow the end of the fiscal year within six months.
   (c) one (1) set of regulations (By-Laws) govern the operation of the corporation.
Recent studies and statistical evidence show the Operating Room female personnel have a higher rate of miscarriage than the population at large. Suspected of contributing to this is the inhalation of anesthetic gases (halothane, methoxyflurane and nitrous oxide) released by the "pop-off" valve on anesthesia machines.

Some hospitals have used makeshift systems consisting of a paper cup inverted over the "pop-off" valve with a suction catheter inserted into the bottom of the cup. These have proved only partially successful. Several companies have devised efficient systems to evacuate these gases with prices ranging up to $125.00.

A system of more moderate cost is described below:

Adapter kits are available which lead these gases off a side-arm in the "pop-off" valve, selling for under $40.00 and come with five inches of ½" I.D. black tubing and aspirating adapter. The latter connects to the standard five foot corrugated inhaler hose. This hose connects easily to an inexpensive plastic corrugated hose used in vacuuming swimming pools. This hose can be purchased in any length necessary to reach the floor-wall register of the ventilating system. It is held in place on the register by a flanged nipple permanently attached to the register by a beam-skeleton which in no way blocks the register. It could likewise be attached to wall or ceiling outlets.

This system relieves the suction system for surgical use only. Most hospital systems are marginal in capacity and exhausting into the suction system may lead to an overload — hence the use of the ventilation exhaust.

One word of caution: This equipment should be tagged with a warning plate — "DO NOT EVACUATE FLAMMABLE ANESTHETICS INTO PIPELINE SUCTION SYSTEM." The reason is obvious: possible explosive concentrations in a pipeline system, dilution below explosive levels in the high volume exhaust system.

Submitted by: Robert H. Kellogg, Jr.
Honorary Member

NORTHERN NEW ENGLAND CLINICAL ENGINEERING PROGRAM

The Kellogg Foundation has funded a 3-state clinical engineering project, the states including Maine, New Hampshire, and Vermont. Each of these groups has offered and will offer in the future seminars for specialized hospital groups such as engineers, purchasing agents, nurses, etc.

In addition, the Kellogg Foundation has funded the Emergency Care Research Institute to give seminars for interested groups in the entire New England area. They have given this seminar in Montreal, Concord, New Hampshire, and now in Warwick, Rhode Island. This seminar is very informative and well run.

The option to New England Hospital Engineers is to:
1) request ECRI to hold a seminar in their area
2) attend an ECRI seminar somewhere in New England
3) attend the local seminars if their hospital is a member of one of the 3 states Clinical Engineering groups.

The objectives of all the groups is the same: to provide an electrically safe environment for patient and personnel, properly functioning equipment, education, etc.

Engineers from Maine, New Hampshire, and Vermont should also get in touch with their local group for more information:

D. L. Chinberg
Northern New England Clinical Engineering Center
Kingsbury Hall
University of New Hampshire
Durham, New Hampshire 03824

E. M. Sheppard
Clinical Engineering Laboratory
Barrows Hall
University of Maine
Orono, Maine 04473

Richard Becker
Technical Services Program
Royall Tyler Annex
University of Vermont
Burlington, Vermont 05401