



**TENTH ANNIVERSARY
OF NEHES CLOSES WITH
ANNUAL MEETING AT HOTEL LENOX**

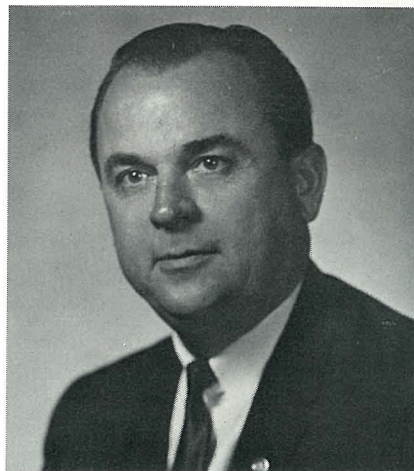
**ELECTRICAL HAZARDS
TOPIC FOR SEMINAR**

Gil Nesolini and John Clemons have scheduled two speakers for the seminar of March 25th. Mr. Henry Littleboy, Acting-Director of the Medical Engineering Group of the Massachusetts General Hospital will cover the subject "Increasing Use of Electronic Equipment in Hospitals".

In his capacity as Acting Director, Mr. Littleboy directs the efforts of 17 men, including graduate electrical engineers, electronic technicians, machinists and clerical personnel. This group extends services to the clinical and research areas of the hospital, and is involved in the design and construction of special equipment, both mechanical and electronic, for use in these Areas.

They have offered their assistance in the form of advice to any hospital which is in the process of or contemplating forming a similar group at some future time.

(Continued on page 2)



ALEX BENDER

Al Bender first touched base with NEHES in the fall of 1959. A total stranger, he walked into the Route 128 Motor Inn cocktail lounge in Dedham, Mass. Here he saw the faces of other hospital engineers with whom he would later become great friends.

Now, secretary of our Society and Superintendent of Buildings and Grounds at Gaylord Hospital in Gaylord, Connecticut, many of us know Al as the "man with the slides".

(Continued on page 2)

**N.E.H.E.S. WELCOMES SEVEN
AND HONORS THREE**

NEW MEMBERS TO THEIR SOCIETY

JULIEN LUCIEN BELLAVANCE

Construction Supervisor
Mary Hitchcock Memorial Hospital
1 Maynard Street
Hanover, New Hampshire

LAWRENCE C. COBURN, Jr.

Chief of Maintenance
Norwood Hospital
800 Washington Street
Norwood, Massachusetts

LEN COLEN

Plant Superintendent
Providence Hospital
1233 Main Street
Holyoke, Massachusetts

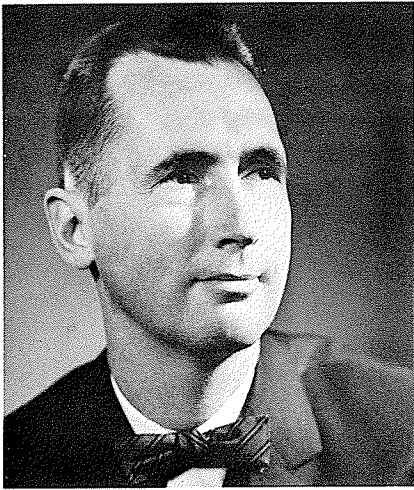
GEORGE W. CONDRY

Assistant Plant Engineer
Roger Williams General Hospital
825 Chalkstone Avenue
Providence, Rhode Island

(Continued on page 4)

SEMINAR

(Continued from page 1)



Dr. John M.R. Brunner, M.D.

Dr. John M.R. Brunner, M.D., Department of Anesthesia, Massachusetts General Hospital, Boston, will be the second speaker at the seminar.

I'm sure many of us remember the article "Electrical Safety in Hospitals" which appeared in ASHE'S Newsletter of November 1967. Dr. Brunner's "Hazards of Electric Apparatus" was utilized as a reference for this article.

Dr. Brunner's background ranges from graduation as M.D. from Harvard Medical School in 1949, to Instructor in Anesthesia, Harvard Medical School in 1967. A remarkable background, a mere introduction would consume 15 minutes.

His publications include:

Seasickness in a Destroyer Escort Squadron. **U.S. Armed Forces Medical Journal** 6, 469, 1955.

Hazards of Electrical Apparatus. **Anesthesiology**: 28, 396, 1967.

Workshop on Electrical Hazards in Hospitals. **Anesthesiology**: 29, 1071, 1968.

The Antibiotic Group of Drugs, Lowell Sun (Massachusetts newspaper) December 1, 1960.

This opportunity to attend a seminar where topics are directly related to **your** responsibilities as Hospital Engineer should not be passed by.

ALEX BENDER (Continued from page 1)

Al is a charter member of the Connecticut Hospital Engineers' Society, held all the offices, and last March completed his term as the Society's fourth president. He is in his second year as Connecticut State Representative for the American Society for Hospital Engineers.

Through his efforts as president of the Connecticut Hospital Engineers' Society, numerous educational sessions were held for the Society throughout the state of Connecticut.

In 1966, Al was the Connecticut State Representative for our own N.E.H.E.S.

To review Al's past a bit: in 1938, he was employed as a tree topper and for four years hence operated an interstate truck. In April of 1943, Al was greeted by the president and spent the next 33 months as a U.S. Marine. After Iwo Jima, he was one of three men remaining in C Company, First Battalion, 28th Marines. During 1945, he passed a U.S. Marine's course on automobile engine tune-up. In 1946, he set up and operated a battery of four horizontal presses at the Scoville Manufacturing Co. in Waterbury, Conn., and in 1947 was employed at Gaylord Hospital and is now in his 21st year there.

1953 saw the beginning of a four year electrical training curriculum at the Wilcock Technical School. This, plus on-the-job training led to a Connecticut State Electrician's License. In April of 1958, Gaylord Hospital opened a workshop for patients. This was a government project and Al was transferred from the Maintenance Department to become one of the instructors. The winter of 1958 found Al taking two courses sponsored by the Teachers College of Connecticut: course E.I.E. 43, Methods of Teaching Industrial Subjects and Courses E.I.E. 44, Teaching of Vocational and Industrial Education. In the spring of 1959, Al was going to the New Britain State Technical School taking a welding course, and a six-week course in electrical motor winding took care of the summer of '59. Of January 1, 1960, he took over as Gaylord's Superintendent of Buildings and Grounds, and has since attended four schools related to fuel, heat, air conditioning and refrigeration. As Al says, "You can't beat a good education and the days of a man coming up the hard way are just about gone".

Al's wife, Margaret, is a Medical Records Librarian for the hospital. They live on hospital grounds with their daughter, Carol, who is presently attending high school. Al's sons, John and Tom are in the Navy. His current hobbies are bowling and fishing.

One of N.E.H.E.S.'s hardest workers, Al is a most welcomed member at our meetings.

In Memorium

Frank Tower
Engineer
Milford Hospital
2047 Bridgeport Ave.
Milford, Conn. (06460)

ENGINEERS' BOOKSHELF

"WALKER-THE BUILDING ESTIMATOR'S REFERENCE BOOK" by McClurd-Shoemaker. Address: Frank R. Walker Co., 5030 North Harlan Avenue, Chicago 31, Ill. (Price: \$15.00)

If there is a book that could be singled out as perhaps the best on any engineering bookshelf, this is it. We are all cognizant of the fact that labor rates and material costs vary from state to state and for this reason, the BUILDING ESTIMATOR'S REFERENCE BOOK necessitates that the user insert local wage scales and material prices, as by so doing, accurate estimates are sure to result.

This book will yield the quantity of work a man should perform per hour or per day together with number of hours to complete a certain unit of work with clear illustrations and methodology outlined. Those who have never assembled building components will be enlightened as to procedure by reading this reference book. By **all means**, purchase it!

"FIELD INSPECTION OF BUILDING CONSTRUCTION" by Thomas H. McKaig, B. Arch., C.E. Address: McGraw-Hill Book Company, 330 West 43rd Street, New York, New York. (Price: \$12.50)

Many of us are involved with construction projects. We all want the contractor to give us **that** building defined by the architect's drawings and specifications. Out on the job, we wonder how to relate better with the various trades and how to define that thin line between under and over inspection, and still maintain good rapport with all concerned. The first 7 chapters discuss the general problems of inspection and supervision. The next five, analyze inspection of testing problems for

each stage of construction (quality of workmanship, pitfalls to watch, materials shortage). The final chapter covers every aspect of concrete construction and the many special problems involved in getting uniform and acceptable quality. "At every phase of construction, this book helps you keep the true realities of the job in sight and under control".

"HOSPITALS" JOURNAL OF THE AMERICAN HOSPITAL ASSOCIATION February 1, 1969 edition

For those who have not received this issue, **obtain it**. As an hospital engineer, you may be concerned with material handling systems for which this edition was specifically written.

"LEGAL PITFALLS" by Nathan Walker LL.B. and Theodor K. Rohdenburg. AIA McGraw-Hill Book Co., 330 West 42nd St., New York, N.Y. (\$11.95)

The building erected entirely from contractor's shop drawings lends itself to strict and careful review by architect and engineers. This book stresses the importance of written agreements stipulating all contingencies, with reference to compensation, cost limitations, and professional duties. It is meant for architects, engineers, and building contractors, and may prove interesting reading for hospital engineers.

CONNECTICUT HOSPITAL ENGINEERS' SOCIETY ON THE MOVE

The Connecticut Society, affiliated with N.E.H.E.S., under the direction of Roger McAlister, as president, held seven educational meetings last fall: two at Gaylord Farms, one on welding and one on emergency generators; five meetings at St. Mary's, Waterbury, Ct.: one on security and four on air conditioning. Average attendance was 26.

EVALUATION SHEETS

At the fall seminar in Seekonk, Mass., Fred MacInnis passed out an evaluation sheet. If majority rules, it appears the best part of the membership is to guide future seminars.

Administrative topics:

1. Preventive Maintenance Programs
2. After hours maintenance coverage
3. Maintenance contracting versus inter-plant maintenance
4. Preparation and maintenance of departmental budgets

Mechanical topics:

1. Filters and their application (All types-Air, Water, Gas, Oil, etc.)
2. Maintenance of Power Plant Equipment
3. Maintenance of Pumps and Compressors
4. Piping (material and type-special applications)

Systems topics:

1. Air conditioning Systems (Type and Application)
2. Rubbish Removal Systems (**Hospitals**-Jan. & Feb. editions)
3. Communications System (Radio, signal, telephone, nurses call, etc.)
4. Material Handling Systems (**Hospitals**-Feb. edition)

Electrical topics:

1. Test Instruments for the modern Maintenance Department (All types)
2. Emergency Distribution
3. Electrical Trouble Shooting
4. Electronics

POSITION CHANGE

Richard F. Stockwell, Assistant Engineer at the Veterans Administration Hospital in Bedford, Mass., has recently been transferred to the Veterans Administration Supply Depot, Somerville, N.J.

The Depot consists of 184 acres of land with 14 miles of road, 11 miles of railroad, over 8 miles of water main, 4 wells with necessary pumps, a central heating plant with three boilers, totalling 572 H.P. and 100 tons of air conditioning, 3 late model fire fighting trucks with around-the-clock crew coverage, auxiliary electric generating plants, etc.

The Engineering Division is also charged with laundry responsibilities, trash removal, janitorial services, mail pick-up and delivery, petty cash purchase pick-ups, and various maintenance responsibilities, amounting to one-half the total annual Depot expenditures. Good luck, Dick!

WELCOME ABOARD
(Continued from page 1)

ROBERT O. DOWARD

Assistant Engineer
Lynn Hospital
212 Boston Street
Lynn, Massachusetts

ROGER WILHELM ERIKSSON

Supt. of Buildings & Grounds
Concord Hospital
250 Pleasant Street
Concord, New Hampshire

ROBERT LeBRUN

Assistant Plant Superintendent
Waltham Hospital
Hope Avenue
Waltham, Massachusetts

HONORARY MEMBERS

MARTIN HALLORAN

(St. Mary's Hospital, Waterbury, Connecticut) New address:
185 Laski Road
Beacon Falls, Connecticut

GEORGE CARLSON

(USVA Hospital, Bedford, Massachusetts) New Address:
2186 Edythe Drive
Dunedin, Florida 33528

CHESTER T. OLIVER

(USVA Hospital, Rutland, Massachusetts)

This space reserved for those members failing to contribute information to the Newsletter

"GLASS FIBERS REINFORCE CONCRETE"

The January 30th issue of Engineering News-Record disclosed that "Fycrete" glass fiber rods may be added to a concrete mix (looks like spaghetti) and eliminate the need for reinforcing steel. According to the article each rod contains "3000 glass fiber filaments, bound together with an epoxy resin and have six times the tensile strength of mild steel.

"55% cheaper than steel". . . . simple beams with Fycrete need be 3/4 as deep as with reinforced concrete.

Fycrete is still in the lab testing stage, but it is good to know that efforts are being made to reduce construction costs.*

* Engineering News-Record
January 30, 1969

MUSIC TO WORK BY

When you see Fred MacInnis, ask him about the taped music system he had installed at the Northampton Cooley Dickinson Hospital in March of 1967. The system contains 700 selections broadcast over the public address system at 15 minute intervals each day to the hospital's laundry, cafeteria, main kitchen, X-Ray waiting rooms, medical records, and physical therapy departments.*

* The Springfield Sunday Republican, Springfield, Massachusetts

NEWSLETTER

Published By

NEW ENGLAND HOSPITAL
ENGINEERS' SOCIETY

BUSINESS SERVICES, INC.

Commerce Park
Eagle Road
Danbury, Conn.

CONTRIBUTIONS TO THE NEWSLETTER

Support your organization by submitting your thoughts and ideas in the form of editorials and pictures to the newsletter. This is our best notification to other organizations of the efforts being made by New England Hospital Engineers. The invitation is open; any submittal is appreciated.

VERNE R. CLOW, Editor
Construction Engineer
Danbury Hospital
Danbury, Connecticut