



The IEEE

Newsletter

PUBLICATION OF THE NORTH JERSEY SECTION OF THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

Volume 23 September 1976 No. 2

Published monthly except June and July by the North Jersey Section of the Institute of Electrical & Electronics Engineers, Inc. Office of Publications: 399 Howard Boulevard, Mount Arlington, N. J. 07856.

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Subscription: \$0.75 per year through dues for members: \$1.50 per year for non-members.

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IEEE Service Center
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It is not necessary to inform the North Jersey Section when you change your mailing address. The NEWSLETTER and other section mailings use a list provided by IEEE's national headquarters in New York. This means the Section has no need to maintain a mailing list or addressing plates. Section membership records are changed when Headquarters notifies us.

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N. J. IEEE Meeting: Nuclear Engineering For Non-Nuclear Engineers

On Wednesday, October 20, 1976, a North Jersey Section IEEE meeting will be co-sponsored by the Multigroup Chapter (including G-5, Nuclear and Plasma Sciences). Nuclear energy will be discussed in terms understandable to engineering graduates who did not specialize in the nuclear field.

The speaker is Dr. Benjamin H. Stevenson, chairman of the Engineering Science program at New Jersey Institute of Technology. Dr. Stevenson, an associate professor of physics at NJIT, has developed and teaches the courses in undergraduate nuclear engineering at that institution. He received his Ph.D. from New York University in 1971, his M.S. from Cornell in 1966 and his B.S. from N.C.E. in 1962. He has many publications to his credit and is a member of the Sigma Xi Society, the American Nuclear Society, the American Physical Society, the American Society for Engineering Education and the New York Academy of Science.

The meeting will be held in the Punchbowl Room at Jersey Central Power and Light, Madison Ave. at Punchbowl Rd. in Morristown, N. J.

You owe it to yourself and the public to become familiar with nuclear energy, at least to understand the basic engineering

problems (which can be solved with engineers, time and money) their relation to the concerns of anti-nuclear pressure groups. Our future section commitment on nuclear energy will depend on **your involvement** in informing yourself.

Time: 7:30 PM, Wednesday, October 20, 1976.

Place: Punchbowl Room, JCP&L Co., Madison Ave., at Punchbowl Rd., Morristown, N. J.

Directions: Exit 287 at Madison Ave. Proceed east for approximately one mile.

N. J. IEEE Meeting:

Can You Afford Not To Go Metric?

The October meeting of the North Jersey Section of the Power Engineering Society will be a joint meeting with members of the Morris Subsection of the ASME. The program will be on the problems and opportunities inherent in metric conversion.

Frederick Gutmann, a mechanical design engineer and metric specialist, will be the feature speaker. Mr. Gutmann is a charter member of the ASME Committee for Metric Study, was formerly on the staff of ANSI, and has authored several articles on metrics. He will speak on the opportunities that metric conversion will open to American trade and industry in the world markets.

Time: 8 PM, Thursday, October 7, 1976.

Place: Interpace Corp. Auditorium, Cherry Hill Rd., Parsippany, N. J.

ACTIVITIES REMINDER: CLIP TO CALENDAR

October 6—Executive Committee Meeting, 7:30 PM, JCP&L, Madison Ave. & Punchbowl Rd., Morristown, N.J.

October 6—Advances In Blood Gas Analysis

October 7—Can You Afford Not To Go Metric?

October 7—Clean Power & Stabilized Voltage

October 13—Magnetic Bubbles Conference Review

October 20—Nuclear Engineering For Non-Nuclear Engineers

October 13—Microprocessor Applications

October 21—Engineer-IEEE Interface In 1976

October 28—WOR-TV/WXLO-FM Transmitter Tour

October 29—Lectures On Computers In Medicine

socio-economic committee, we shall try to improve the fate of the engineer. We might explore the question of supply and demand of engineers. When some North Jersey electronic firms can hire experienced engineers at less than \$4/hour there might be an indication that academic position is overstated."

There you have it in a nutshell. You know our function and you have the support of the Committee. We offer you an opportunity to better your professional lives. Start by attending an Executive Committee meeting. We meet on the first Wednesday of each month, 7:30 PM, Jersey Central Power & Light Co., Madison Ave. (Rt. 24) at Punchbowl Rd., Morristown, N. J. one mile east of Interstate 287 and Madison Ave. exit.

Bring a friend or start a car pool. You might enjoy some interesting conversation on the way.

Richard Tax, Chairman
Socio-Economics Committee

ANSI OKs Metric Standard

ASTM/IEEE Standard Metric Practice, IEEE Std 268-1976, was approved as an American National Standard on August 19th as ANSI Z210. 1-1976. Approval by the American National Standards Institute constitutes recognition that the document is accepted and approved as the national standard by a consensus of all concerned parties in the United States. Published in January of this year by the Institute of Electrical and Electronics Engineers, Inc., the new standard is the authoritative United States source book on the metric system of measurement.

Recent Congressional adoption of the Metric Bill calling for implementation of the metric system within the U.S. has spurred public interest in metrication, and the new standard is expected to serve as the basic guide for the scientific and technical application and use of the modern metric system. The document includes the most recent developments in the International System of Units (SI) which is the official designation for the worldwide system of metrication.

Copies of ASTM/IEEE Standard Metric Practice may be purchased from IEEE, 345 E. 47th St., New York, N. Y. 10017; ANSI, 1430 Broadway, New York, N. Y. 10018; or ASTM, 1916 Race St., Philadelphia, Pa. 19103. Price of the document is \$4, postpaid.

2 (a) Do you favor IEEE's attempting to regulate the quantity of electrical engineers?

☐ Yes [Go to 2 (b)].

☐ No.

2 (b)

☐ By working more actively through IEEE's student branches to educate high school students about the career opportunities available through the engineering profession.

☐ By raising the standards for accreditation of colleges teaching engineering.

☐ By increasing the number of years of study for an initial engineering degree through the accreditation process.

☐ By obtaining for publication, and/or distribution, manpower reports on supply vs. demand of engineers.

Engineer-IEEE
Interface In 1976

The Engineer-IEEE Interface in 1976 will be the topic of the New York-Long Island-North Jersey Chapter ED/PHP meeting on Thursday, October 21, 1976. Speakers will be Robert K. Asdal, director of field services; Elwood G. Gannett, director of publishing services; and Joel Snyder, Region I PAC coordinator and controller U.S. Activities Board.

Mr. Asdal will cover the IEEE organization — its structure, some of its services, and its missions. Mr. Gannett will briefly survey IEEE's over-all publishing program, with emphasis on group/society publications, as well as present an overview of the United Engineering Center's library. Mr. Snyder will outline the professional activities programs of the USAB.

For additional information, contact: Walter Zloczower by October 15 at SMC Microsystems, Hauppauge, N. Y.; (516) 273-3100.

Time: 7:30 PM, Thursday, October 21, 1976.
Place: United Engineering Center, 345 E. 47th St., New York City.
Pre-Meeting Dinner: 6 PM, Crock of Gold Restaurant, 865 Second Ave. at 46th St.

WOR-TV/WXLO-FM
Transmitter Tour

The Northern New Jersey Chapter of Antenna & Propagation/Microwave & Techniques (MTT/AP) will sponsor a tour of New York City TV Channel 9 and WXLO-FM transmitters on Thursday evening, October 28, 1976 at 7:30 PM. The stations are located high-a-top the Empire State Building and are only accessible to the public on a guided tour basis.

The tour will take approximately one hour, and will include a description of the transmitter line-up (including UHF TV Translator, Channel 71), RF transmission-line facility and RF, video and audio processing/monitoring equipments. Technical questions will be fielded by a broadcast engineer tour guide.

A pre-tour dinner will be held at 6 PM at the Ramada Inn Restaurant, Rt. 3, Clifton, N. J. (eastbound side of

highway). Departure point will be ITT tower, 500 Washington Ave., Nutley, N. J. at 7:30 PM.

Reservations for this tour are free, but limited. Please mail your reservations to E. W. Niemiec, 66 Shytap Rd., Cedar Grove, N. J. 07009, or call him at (201) 284-2323.

Time: 7:30 PM, Thursday, October 28, 1976.
Place: ITT Tower, 500 Washington Ave., Nutley, N. J.

Magnetic Bubbles
Conference Review

A Review Of The International Conference On Magnetic Bubbles, Eindhoven, The Netherlands, September 13-15, 1976, will be presented by W. J. Tabor, of Bell Laboratories, Murray Hill, N. J. at the Princeton Section IEEE Magnetics Chapter, Wednesday, October 13, 1976.

Recent developments in magnetic bubbles reported at the conference will be reviewed, with emphasis on device fabrication technology. No formal proceedings of this conference will be published.

For further information, call G. P. Vella — Coleiro at (201) 582-3381, or P. F. Tumelty at (201) 455-4984. For dinner reservations, call Fran Wanek at (201) 455-4575.

Time: 8 PM, Wednesday, October 13, 1976.
Place: Administration Bldg. Auditorium, Allied Chemical Corp., Columbia Rd. and Park Ave., Morristown, N. J.
Pre-Meeting Dinner: 6 PM (5:30 for Bar), The Wedgwood Inn, 217 South St., (Rt. 24, 1.5 blocks west of Rt. 287 interchange), Morristown, N. J.

Advances In
Blood Gas Analysis

The Metropolitan New York Chapter of the IEEE group on Electronics in Medicine and Biology (GEMB) announces the following program for Wednesday, October 6, 1976: Advances in Blood Gas Analysis.

Speakers will be Don Falk, president, Physio-Dyne Inst. Corp., Massapequa, N. Y., and John J. Barrett, chief tech.,

Clinical Labs, St. John's Riverside Hospital, Yonkers, N. Y. The meeting will be held at Rockefeller University, South Laboratory, Room 204.

For further information, call W.H. Buchsbaum, vice chairman, Metro GEMB, at (212) 240-5594.

Time: 7:30 PM, Wednesday, October 6, 1976.
Place: Rockefeller University, South Lab, Room 204, 66th St. & York Ave., New York City.
Pre-Meeting Dinner: 6 PM, Tower Cafeteria, 64th St. & York Ave.

At the November 3, 1976 meeting, which will be an "Introduction to Microprocessors," Robert Mauro, Ph.D., assistant professor at Manhattan College, Bronx, N. Y., will be the speaker. That meeting will be held the same time, and at the same place as the October meeting.

Microprocessor
Applications

The NY Chapter of the IEEE Computer Society announces a talk by Daniel Alroy, president of Q1 Corp., on the multiple uses of microprocessors. The talk will focus on various novel uses and configurations of microprocessors.

For further information, call: Richard Costello, chapter chairman, at (212) 254-6300.

Time: 6:30 to 8 PM, Wednesday, Oct. 13, 1976.
Place: Engineering Bldg., Cooper Union, 51 Astor Place (near 8th St. and Third Ave.), N. Y. C.

Engineers Wanted (M/F)

EEs are needed to provide inputs to Socio Economic problems and solutions relevant to their profession. This is a perfect opportunity for EEs to present, define, analyze, and take positive action in the solution of these problems.

You will participating with engineers who get results and are accustomed to success.

Contact: George Fen, 231 Bloomfield Ave., Nutley, N. J. 07110, (201) 575-8666 ext. 31; or Richard Tax, 51 Hawthorne Ave., Park Ridge, N. J. 07656, (201) 391-9075. Socio Economics Committee IEEE North Jersey Section.

last few years to earn his Ph.D. and become involved in our problems thru IEEE.

It's a shame that such a qualified engineer had to take his family and leave our country to find adequate compensation. I know that many of us will miss him and his leadership at our meetings. The committees loss is also your loss.

His leaving is just one more indication of the severe engineering employment situation. There are others. Some engineers are selling themselves for as low as \$150 per week. Others are changing their resumes to get jobs as technicians. Part of this is due to the low R&D budget and the set back of the fiscal year to October. More is due to the glut of EEs on the market. Their dollar value is evidence enough of the supply and demand.

As chairman I hope to complete some of the tasks Bob had formulated and initiate some new ones. As a start, I introduce you to the function of the Socio Economic Committee as defined in our Section By-Laws:

"This committee shall be responsible for the activities of the membership. For this purpose it shall be concerned with legislation, lobbying, salaries, working conditions, employment practices, employee benefits, pensions and similar subjects."

It shall keep informed of such trends and actions of government or other bodies as are likely to affect the Section membership and advise the Executive Committee of them. It shall recommend to the Executive Committee such action as may seem advisable with respect to such matters and shall be responsible for carrying out such action as the Executive Committee may direct."

If we shall solve these problems, what better way is there than to start on our own local Section level. You must provide the facts, define the problems, and give us your support. Don't take a chance and leave it to someone else. You have already tried that approach. Your action may be the important one, and your solution the right one.

As an invitation, I refer you to last month's Newsletter column titled "Views From The Top." The article was written by Norm Bleshman, chairman, IEEE North Jersey Section. I quote in part:

"This year we will encourage the 5,000 engineers to shed the light on their field of expertise. Through the one-year-old

FEEDBACK CARD

I (a) Do you favor IEEE's attempting to regulate the quality of electrical engineers?
I (b) If so, how?
By promoting universal registration.
By certification of technical competence by technical societies.
By validation of continuing education courses by the technical societies.
By promoting higher accreditation standards for engineering curricula.
By examination to become an IEEE member, at the "Member" level or above.

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