

Officers/Directors
Of ELECTRO/77 Named

The board of directors of Electro/77, the international electronics convention scheduled for New York City next April 19-21, has announced election of new officers and welcomed four new members of the board.

Frank Tylinski (Frank Tylinski Company) was elected chairman of the board, and Richard L. Weaver (Hewlett-Packard Company, Rockville, Maryland) was named vice chairman. Frank H. Williams (Servo Corporation of America) was elected convention director, and Arthur Hansen (Hansen Associates) will serve as show director. Charles M. Sutherland (R. H. Sturdy Company) was re-elected treasurer.

Newly elected members of the Electro/77 board are Dr. Harold Goldberg (Data Precision Corporation), Carroll G. Killen Jr. (Sprague Electric), Arthur L. Rossoff (Polytechnic Institute of New York), and Frank E. Schink (Port Authority of New York and New Jersey).

They replace Electro directors whose terms expired or who resigned for other reasons: Norman Laschever (RCA), chairman of the board last year; Frederick T. Van Veen (Teradyne); Richard L.

Benoit; and Joseph L. Antonaccio, who resigned from the board to accept a staff position with Electrical and Electronics Exhibitions Inc., the organization that produces both Electro and its western counterpart event, Wescon.

Theodore S. Saad (Sage Laboratories) was re-elected to a second term on the board of directors. Holdover directors, in addition to the officers named above, include Stewart K. Gibson (Stewart K. Gibson and Associates); Clarence J. Baldwin (Westinghouse); Jack A. A. Raper (General Electric); and H. Gunther Rudenberg (Arthur D. Little Company).

The first Electro exposition and convention was held in May of this year in Boston, as the successor to the previous NEREM and IEEE Interconventions.

It will be held in New York Coliseum and the Americana Hotel next April 19-21, and alternately in Boston and New York in succeeding years.

Electro/77 is co-sponsored by the New York METSAC Sections, Region 1, the Boston Section and the Central New

England Council of IEEE, and the New England and New York Chapters of the Electronic Representatives Association.

Committee Listing
Education Innovations

The IEEE Educational Technology Committee is preparing a list of active developers and users of various forms of educational technology and innovative teaching methods in classroom instruction, continuing education, and industrial training. Information is needed about programs that utilize audio tapes, slides, TV, and computers in instructional methods such as audio tutorial, individualized instruction, PSI, computer-aided education, and so forth. Please send information to:

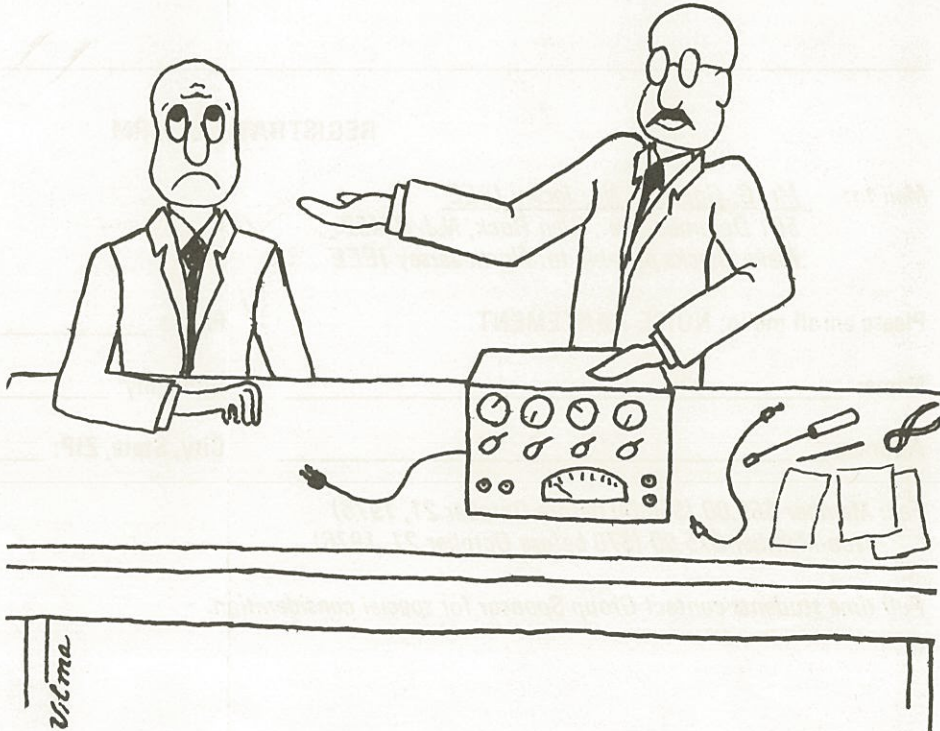
Professor G. L. Rainey, Chairman
IEEE Educational Technology
Committee
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The IEEE
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PUBLICATION OF THE NORTH JERSEY SECTION OF THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

Volume 23 October 1976 No. 3

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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Deadline for receipt of material is the 1st of the month preceding the month of publication. All communications concerning editorial matter should be addressed to: Ray Vaccari, Editor, 236 Summit Road, Mountain-side, N. J. 07092. All communications concerning business matters, including advertising, should be addressed to: The Newsletter, c/o Girard Associates, Inc., 399 Howard Boulevard, Mt. Arlington, N. J. 07856.

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

REPORT ALL ADDRESS CHANGES TO:
IEEE Service Center
445 Hoes Lane
Piscataway, N. J. 08854
(201) 981-0060

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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EDUCATIONAL
PROGRAM
FALL
1976
(See pages 2-3)

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.

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.

Time: 7:30 PM, Thursday, October 21, 1976.

Place: United Engineering Center, 345 E. 47th St., New York City.

STUDY GROUP No. 1
SOLID STATE PROTECTIVE RELAYS

MONDAYS, 7:00 to 9:00 P.M., Starting November 1, 1976
Jersey Central Power & Light
Madison Ave. & Punch Bowl Road
Morristown, New Jersey 07960
Group Sponsor: Frank Gialanella, Automatic Switch Co.
Telephone: (201) 966-2458

SPEAKERS: J.L. Blackburn, W.A. Elmore, W.L. Hinman, A. A. Regotti, and E.A. Udren.

A ten session study course to assist electrical, consulting, and project engineers, contractors, maintenance, technicians, architects and others who are interested in protective relays and systems. The course will cover the basic principles of protective relays, their application, their selection and basic concepts for setting relays for system conditions. The sessions will be presented by recognized professional relay engineers associated with Westinghouse Electric Corporation. The text will be the Applied Protective Relaying.

- November 1, 1976—(1)—INTRODUCTION & BASIC CIRCUITS I**—General Philosophy of Protective Relaying, Application Principles, Review of Basic Circuits, Electromechanical and Solid State
- November 8, 1976—(2)—BASIC CIRCUITS II**—Continuation of Basic Circuits, Discrete and Integrated Circuits.
- November 15, 1976—(3)—FEEDER PROTECTION**—Application & Setting of Feeder Relays, Coordination with Fuses. Reclosers, Series Trip Devices.
- November 22, 1976—(4)—TRANSIENT AND SOLID STATE RELAYING**—Transient and Their Influence on Relaying, Protection Techniques Introduction to Distance and Directional Overcurrent Relaying.
- November 29, 1976—(5)—PILOT RELAYING-DIRECTIONAL COMPARISON SYSTEM**—Protection Problems for Transmission Lines. Application of Pilot Channel, Application and Basic Principles of Directional Comparison Schemes.
- December 6, 1976—(6)—PILOT RELAYING-PHASE COMPARISON SYSTEM**—Review of the Fundamentals and Applications of Phase Comparison for Pilot Relaying.
- December 13, 1976—(7)—PILOT RELAYING-PERMISSIVE OVERREACH AND UNDERREACH SYSTEMS**—Review of the Application and Basic Operation of the Protection Principle.
- December 20, 1976—(8)—SYSTEM RECLOSING AND LOAD SAVING**—Application of Single and Multiple Shot Reclosing for Transmission Lines and Feeders Basic Principles for a Load Savings Systems.
- January 3, 1977—(9)—STABILITY AND OUT-OF-STEP**—Fundamentals of Stability and Their Influence on Protective Relaying.
- January 10, 1977—(10)—COMPUTER RELAYING**—State of the Art and Techniques, Future Trends, Application of the Computer for Applying Setting Relays.

REGISTRATION FORM

Mail to: Mr. F. Gialanella, Automatic Switch Company, 6 Watsessing Ave., Bloomfield, N.J. 07003
Make checks payable to: North Jersey IEEE

Please enroll me in SOLID STATE PROTECTIVE RELAYS. Phone: _____

Name: _____ Company: _____

Address: _____ City, State, ZIP: _____

Fee: Member-\$95.00 (\$90.00 before October 25, 1976) *NOTE: Textbook is included in registration fee.*
Non-Member-\$105.00 (\$100.00 before October 25, 1976)

Full time students contact Group Sponsor for Special Consideration.

STUDY GROUP No. 2
PRINCIPLES AND APPLICATION OF NOISE CONTROL

TUESDAYS, 7:00 to 9:00 P.M., Starting October 26, 1976.
ITT Avionics Auditorium (at foot of tower)
500 Washington Ave. (off Route 3-East)
Nutley, N.J. 07100
Group Sponsor: Mr. William Perlman-Roytran; Telephone (212) 782-1505

SPEAKER: Mr. A. Tipletsky, Consolidated Edison Company

This course is intended to acquaint both the engineer and the environmentalists with a working knowledge of noise control and acoustics. Environmental and occupational noise exposure regulations require that noise analysis be a design parameter for new facilities. There will be eight (8) broad based lectures consisting of the following topics:

- a. Acoustical Terminology, Sound Measurements and Techniques (incl. demonstrations) Noise Criteria and Federal, State and Anciliary noise regulations
- b. Community and Industrial Noise-sources and factors affecting sound propagation. Development of compliance programs.
- c. Effects of sound absorbing and dampening material, barriers, enclosures and vibrating isolators. Calculation of noise transmission and reduction.
- d. Specification for noise emission levels of equipment and abatement hardware.

Consideration will be given to participants' problems and particular fields of interest.

REGISTRATION FORM

Mail to: Mr. G. Golinski, No. Jersey IEEE
501 Doremus Ave., Glen Rock, N.J. 07452
Make checks payable to: North Jersey IEEE

Please enroll me in: NOISE ABATEMENT Phone _____

Name: _____ Company: _____

Address: _____ City, State, ZIP: _____

Fee: Member-\$65.00 (\$60.00 before October 21, 1976)
Non-Member-\$75.00 (\$70 before October 21, 1976)

Full time students contact Group Sponsor for special consideration.