

Newsletter

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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.

SECTION OFFICERS 1971-1972

Chairman	Robert G. Sokalski
Vice Chairman	Carl C. Torell
Treasurer	Harlan J. Perlis
Secretary	John H. Gerth
Member-at-Large	James Gass
Member-at-Large	J. K. Kampschoer
Jr. Past Chairman	Herbert E. Blaicher, Jr.

N.J. Buyers Lab Tour

A joint Meeting of the North Jersey Section and Reliability Chapter will be held at Buyers Laboratory in Hackensack, New Jersey on 17, May 1972 at 7:00 p.m. A business meeting, electing the North Jersey Section officers for the forthcoming fiscal year, will be conducted prior to a tour of the Buyers Laboratory. Only members can vote.

The Buyers Laboratory is a unique, independent testing organization created to test office equipment, supplies and plant maintenance products. Confidential test reports are published in portfolios rating the competing makes of consumer/industrial products. This service helps subscribers buy high quality equipment that will perform reliably under office conditions. Mr. T. J. Wirth, Technical Director will personally conduct the tour.

Those persons planning to attend are requested to contact: Stan Cherkasky 256-4000, Extension 2937. Vic Kalata 256-4000, Extension 2062.

Time: Wednesday, May 17, 7:00 P.M. *Place:* Buyers Laboratory, 20 Railroad Ave., Hackensack, N.J.

Power for High-Rise

The North Jersey Section of the Power Engineering Society will hold its seventh meeting on May 18. The topic of this presentation will be "Serving Electric Power to High-Rise Buildings." The speaker will be H. E. Campbell of the General Electric Company in Schenectady, New York.

The speaker will cover application and system engineering including equipment requirements. Following the presentation,

a question and answer period will follow.

This meeting will be the last scheduled meeting in the 1971-72 year. Following this presentation, election of officers for the 1972-73 year will be held.

Mr. Harold E. Campbell is Senior Application Engineer for the General Electric Company. He is the editor of Distribution magazine and also works on basic economic studies, systems to serve highrise commercial and apartment buildings. metering applications, voltage standardization and load characteristics.

He is a member of the IEEE Overhead Distribution Subcommittee, the IEEE Pole Line Appearance Task Force, the IEEE Silicon Controlled Rectified Task Force and the IEEE Service to Critical Load Working Group.

Time: Thursday, May 18; 7:30 P.M.
Place: Jersey Central Power and Light
Company, Madison Ave. at Punch Bowl
Road, Morristown, N.J.

For Further Information: Contact Henry Youngster, Program Chairman, Power Engineering Society at PSE&G, N.J. 201-622-7000, Ex. 3711.

Noise Pollution

The New York, North Jersey and Long Island Joint Chapter on Instrumentation and Measurements will hold its annual General Meeting on Wednesday, May 17. The meeting will be highlighted by a technical program of speakers on the subject of Noise Pollution in addition to the presentation of the Student Prize Paper Award.

Time: Wednesday, May 17; 7:00 P.M. Place: American Electric Power Corp., 2 Broadway, New York, N.Y.

Considering the User In the Design of an **Operating System**

The above title will be the subject of a talk to be given by BTL's Dr. Robert L. Martin at the May meeting of the No. Jersey Chapter of the IEEE Computer Society.

The design of an operating system should be strongly influenced by the execution environment it must support. Unfortunately, this concept has not always achieved fruition in implementation. This talk will be refreshing because it discusses the design of an operating system from the users point of view. The discussion will center on the design of a custom-tailored operating system for a process control, multiprocessor system. The areas of the operating system whose design is strongly dependent on the environment will be emphasized. Examples of such areas include resource allocation. file handling, protection and error con-

Dr. Martin is noted for his work on operating systems, particularly in the area of design requirements. He joined Bell Labs in 1967 after receiving the Ph.D. degree from MIT. In addition to his research work at the Labs, he is a visiting Associate Professor at Stevens Institute of Technology.

Time: Thursday, May 18, 1972 at 8:00

Place: Room 1H009, Bell Labs at Whip-

Pre-Meeting Dinner: DeMaio's Restaurant at 6:00 P.M. Route 10 at US 287 Junc., Whippany.

Laser Communications

There will be a Communications Society meeting on Tuesday, May 16. Dr. Joseph H. Vogelman will present a talk on Laser Link Communications.

Present techniques are available to permit wideband communications using laser sources as the transmission medium.

Equivalent microwave and laser communication systems, for the transmission of broadband data or frequency division multiplexed television, will be compared.

The effect of atmospheric attenuation

will be analyzed in terms of potential economic impact on the use of laser frequencies as an alternative to millimeter microwaves.

Joe Vogelman received his doctorate in E.E. from Brooklyn Polytechnic Institute in 1957.

His many memberships in Professional Societies include a Fellow in the Institute of Electrical and Electronics Engineers and member of Sigma X1.

Presently, Dr. Vogelman is Vice-President of the Chromalloy American Corporation, Senior Vice-President and Director of the Laser Link Corporation and Vice-President and Director of the CRO-Med Bionics Corporation.

Time: Tuesday, May 16; 8:00 P.M.

Place: ITT Laboratories, 500 Washington Ave., Nutley, N.J.

Pre-Meeting Dinner: 6:00 P.M., Copperhood Restaurant, 1 Park Ave., Lyndhurst,

Large Mobile Systems

"A Large Scale Mobile Telecommunications System" will be the topic of a talk to be given at a joint meeting of the New York Section and the Comm-Tech Society Chapter on May 10. The speaker will be Richard H. Frenkiel.

This meeting will include elections for both the New York section officers and for Comm-Tech Society Chapter Officers for the 1972-73 term.

Mr. Frenkiel is an Assistant Engineer Manager with the American Telephone and Telegraph Company's Mobile and Special Radio System Group in New York

Time: Wednesday, May 10; 7:30 P.M. Place: Black Watch Room, Prince George Hotel, 14 East 28th St., New York, N.Y.

G-EMB Meetings Set

The Metropolitan New York Chapter of the Group in Engineering in Medicine and Biology has scheduled the following meetings for May & June.

May 10 - "Effects of Underwater Environment on Man," Dr. T. Reich, New York University Medical Center, at 8:00 P.M., Rockefeller University, South Lab Room 204, York Ave. and 68th St., New York City. Pre-meeting dinner at Tower Build-

ing Cafeteria, Rockefeller Univ., 6:00 P.M. June 14 - "Biophysical Aspects of Bone,". Or. C. Andrew L. Bassett, College of Physicians and Surgeons, Columbia University, at 8:00 P.M., Rockefeller University, South Lab Room 204.

Report from: PHP GROUP

Parts, Hybrids and Packaging Group (G-21) is a joint group composed of members from the New York Metropolitan, North Jersey, and Long Island Sections of IEEE. The very name of the group implies an extremely broad coverage of the electrical/electronic field and an interaction with virtually every segment of inemploying electronic devices. dustry Therefore, the goals of the officers over the past two years have been: (I) to stimulate discussion and exchange of knowledge among Group members on topics of mutual interest, and (2) to interact with other Groups in fields with some commonality of interest with PHP members. Accordingly, numerous technical meetings concerned with a variety of topics have been held in the metropolitan area.

In 1970-71, the following topics were explored at separate meetings:

"Power Device Packaging" (cosponsor-Computer Elements Packaging Committee), "Nature and Measurement of Corona," "The Electronics Industry - Conversion and the Import Problem." "Interactive, Computational Techniques," "New Dimensions in Heat Transfer," "Integrated Circuits and Our Environ-

Thus far, in 1971-72, technical sessions, all cosponsored, have been concerned with:

"Man-Machine Interface for Medical Instrumentation," "Electronics in Air Traffic Control Systems of the 1970's."

Remaining this year is a three-day workshop session on electronic packaging being cosponsored with the Computer Society Packaging Committee. This will be held in the Poconos from May 17-19, 1972, covering a wide range of packaging activities. For details call: H. Feibus, (212) 460-2657.

The officers of PHPG-21 invite all interested IEEE members to join the Group. Contact the present Chairman; J. M. Rausch, Bell Laboratories, Whippany, New Jersey, if you want to become active.

Nominees for '72-73 Section Officers Listed

The Nominating Committee is offering the following slate of individuals as candidates to serve as North Jersey Section IEEE officers for the period from July 1, 1972, to June 30, 1973.

CHAIRMAN

Carl C. Torell is Manager, Utility Sales, Newark District of the Federal Pacific Electric Company. His experience has been primarily in the field of Sales Engineering.

Mr. Torell graduated from the University of Michigan with a B.S. degree in Mechanical Engineering. He was elected to the Tau Beta Pi and the Vulcan Honorary societies.

He is a Senior Member of the IEEE. He served as Vice-Chairman and Chairman of the Power Chapter and is a present Vice-Chairman of the North Jersey Section. Prior to the merger, he was active in the AIEE, serving on the Educational Committee and was Vice-Chairman of the Related Activities Committee of the New York Section. Also, he served as Chairman of the Related Activities Committee of the New Jersey Division of the New York Section.

In the North Jersey Section, he also served as Treasurer, Program Committee Chairman, Secretary, and two years as Member-at-Large.

VICE CHAIRMAN

Harlan J. Perlis is currently a Professor of Electrical Engineering at Newark College of Engineering. He received the B.E.E. degree from Clarkson College of Technology, the M.S. degree from Stevens Institute of Technology, and the Eng.Sc.D. degree from NYU. He is a senior member of the Institute of Electrical and Electronic Engineers and is at present Treasurer of the North Jersey Section. He is a Senior member of the Instrument Society of America, and a member of the Society for Industrial and Applied Mathematics. American Society for Engineering Education, Armed Forces Communications and Electronics Association. American Geophysical Union, and the New York Academy of Sciences. He is a registered professional engineer in N.J.

Dr. Perlis' professional society activities include: past member of the Executive Committee, North Jersey Section-IEEE; past Program Chairman; past

Chairman and member of the Executive Committee; I & M Joint Group.

TREASURER

John H. Gerth is Head of the Component Reliability Department at Bell Telephone Laboratories, Whippany, N.J. He is currently responsible for reliability studies of electronic and electromechanical parts, equipment and circuits.

Mr. Gerth received the BS and MS degrees in electrical engineering from Pennsylvania State University.

Mr. Gerth, a Senior Member of IEEE, currently Secretary of the North Jersey Section. He has served on Reliability Definitions and Standards Committees of the IRE and IEEE from 1960 to the present. He was the first program chairman and subsequently vice chairman and chairman of the Reliability Chapter of the North Jersey Section of the IEEE.

SECRETARY

James Kampschoer is a Member of the Technical Staff at Bell Telephone Laboratories, Whippany, N.J. He received the BEE in electronics from the University of Minnesota in 1951.

Mr. Kampschoer worked on design and planning associated with communications for the Government Air Defense, Mercury—the first manned Space Flight, and Ocean Science Projects.

Mr. Kampschoer is currently Memberat-Large for the North Jersey Section. MEMBERS AT LARGE

Peter F. B. Jackson, Standards Engineer with General Public Service Utilties Service Corporation, received his MS degree from Newark College of Engineering in 1964. He is a registered professional engineer, state of New Jersey and Ontario, Canada.

Mr. Jackson was Chairman of the Power Group, North Jersey Section and of the industry and General Applications Group, New York Chapter.

Max J. Shindler is currently engaged in solid-state amplifier and subsystems design at R.C.A. Microwave in Harrison, N.J. He received his MS degree in Electronics in 1951 and Doctor of Technical Sciences in solid state physics in 1953, both from the Technische Hochschole in Vienna, Austria.

His experience includes both engineering and management work in industry and for Wright Air Development Center.

He is currently Chairman of the Publicity Committee for the North Jersey Section.

Computers in Medicine

"Computer - Aided Medical Diagnosis" is the title of a one day symposium to be presented by IEEE, New Technical and Scientific Activities Committee (NTSAC), New York Section; Medical Society of New Jersey; Newark College of Engineering - Division of Continuing Engineering Studies; and College of Medicine and Dentistry of New Jersey at Newark - Department of Surgery.

The symposium is scheduled for Wednesday, May 31, 1972 from 9:00 am to 5:30 pm, at Newark College of Engineering in The Center, 150 Bleeker Street (Bleeker and Summit Streets) Newark.

The advent of modern computer technology and system engineering has made an impact on many facets of life. This symposium is intended to stimulate dialogue between physicians and engineers concerning the utility of computers as a tool for the physician in diagnostic applications.

The limitation of the symposium to one day has necessitated a severe constraint on the choice of topics. Authoritative speakers will discuss both general aspects and certain selected applications.

Following a general aspect of computer aided diagnosis, the sequence of presentations leads from a determination of whether a patient should be seen by a physician; whether this physician should be a neurologist; whether this patient has a lesion in the nervous system and, if so, where located; whether a patient has a psychological problem; what clinical diagnoses are most probable from selected laboratory studies.

For complete details write Dr. Kenneth Sohn, NCE, 323 High Street, Newark N.J. 07102. Phone (201) 645-5487 or 645-5472.

Electron Devices Meeting

Title: Plasma Display Panels

Speaker: Dr. Roger Johnson, Coordinated Science Laboratory, University of Illinois, Urbana, Illinois.

Place: GTE Laboratories, Incorporated 208-20 Willets Point Blvd., Bayside, Long Island, New York.

Date: Thursday, May 18, 1972 at 8:00 p.m. Pre-meeting dinner at Kam Fong Restaurant, 19-II Francis Lewis Blvd., Whitestone, N.Y. at 6:00 p.m.

Education Course Program Announcement - Spring, 1972



Open to Members and Non-Members

AMERICAN SOCIETY OF MECHANICAL ENGINEERS NORTH JERSEY SECTION

INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS NORTH JERSEY SECTION



The Education Committees of the ASME and IEEE are jointly sponsoring a one-day management seminar entitled:

PERFORMANCE APPRAISAL

This unique educational opportunity will be presented by a leading management consulting firm, Practical Management Associates of Los Angeles, California. These are the same people who presented the very successful seminar MOTIVATION & DISCIPLINE last Spring for the North Jersey Section, ASME.

The seminar will show how to set and review objectives with immediate subordinates — using objectives and performance appraisals jointly to bring about improved performance in the people who work for you. It teaches how to:

DEFINE EFFECTIVE OBJECTIVES
HOLD GOOD OBJECTIVES-SETTING DISCUSSIONS
REVIEW PROGRESS TO PRODUCE RESULTS
UPDATE AND REVISE OBJECTIVES REALISTICALLY

TIME: Thursday, May 18, 1972, 8:30 A.M. to 5:00 P.M.

PLACE: Marriott Inn, Saddlebrook, New Jersey

FEE: \$35. The fee includes lunch, refreshments, and course materials. It has been set purposely low to encourage companies to send large groups. The more the better. The course is designed to produce a high degree of involvement and interaction.

Fill in the form below for advanced registration.

ADVANCE REGISTRATION — PERFORMANCE APPRAISAL

Make Check or Money Order payable to — A.S.M.E., North Jersey Section

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