



The IEEE

# Newsletter

## Communications Transmission

"Communications Transmission Seminar High-Speed Digital Transmission Techniques" is the title of a one-day seminar scheduled at Princeton University, Engineering Quadrangle Convocation Room, Princeton, N. J. on March 16, 1976. Sponsors are the IEEE New Tech-

nical and Scientific Activities Committee, IEEE Communications Society of the Jersey Coast Chapter and Princeton University, Dept. of Electrical Engineering.

For further information and advance registration, contact Dr. Paul Schnitzler, Bell Laboratories, Room 3B-308, Holmdel, New Jersey 07733, (201) 949-2216.

## LETTERS . . .

Dear Dr. McMillan:

Thank you for your thoughtful and wide-ranging letter of December 1 concerning areas where engineering input is necessary.

I share your conviction that our country must urgently establish its energy agenda and actively develop alternative energy sources to oil and coal. Burt Ross, my appointment as Administrator of the State Energy Office, is currently pressing for Federal energy action in several areas, as well as developing energy conscious initiatives on the State level. I am directing a copy of your correspondence and newsletter to Mr. Ross with the hope that he may find input from your Institute and other engineering societies to be useful in the future.

With respect to the higher education budget, I have asked the Department of Higher Education to answer your questions concerning the budget of the New Jersey Institute of Technology.

Regarding food supply and pollution of the oceans, my Commissioner of Environmental Protection through his Divisions of Marine Resources and Water Resources is constantly pressuring the Federal government and Congress for stricter environmental action on our seacoast. Clearly, for a State such as New Jersey with a multi-billion dollar tourist industry, the health of the ocean is very important to us for a wide variety of reasons.

I appreciate your concern in these areas of public interest and hope that the engineering profession can make a lasting contribution to solving the many problems that face us.

Sincerely,  
Brendan T. Byrne  
Governor

**Editor's Note:** The following two letters were received in response to a cartoon printed in the January Newsletter. If you either agree or disagree please make your comments known in this month's Feedback Card.

Dear Dr. McMillan:

It is only with great forbearance that I tolerate advertisements in trade publications which display females in attire intended for the beach rather than the laboratory. I simply refrain from purchasing equipment advertised in this manner, on the assumption that, since the manufacturer feels he must rely on man's carnal desires to sell his product, it must have few other merits!

That as IEEE publication should resort to "sexist piggery" is a shocking violation of the professional standing of the organization. [I refer of course to the "cartoon" (and I use the term in its original sense, since it was devoid of the humor generally attributed to the genre) in the January issue of the Newsletter]. This is particularly distasteful at a time when women are gaining increasing recognition for their mental, rather than physical, attributes, and when IEEE has made significant progress in its representation of all electrical engineers, even those who are women! [Surely those members of IEEE who find diversion in gazing upon the female body, need not look to IEEE publications for this type of amusement: it is readily, and more explicitly available in publications of lesser stature].

To continue as a member of the North Jersey Section Executive Committee would signify condonation of this violation of human dignity, therefore, with this letter, I tender my resignation as Chairman of the Socio-Economics Committee and request that you withdraw my name from consideration for the post of Member-at-Large in the upcoming election.

I hope that the sincerity of this action will encourage those responsible for publication of the Newsletter to exercise better judgement in their editorial duties.

Sincerely,  
Quayne Golden Gennaro, P. E.

Dear Mr. Vaccari:

The cartoon featured on page 4 of the January 1976 issue of the Newsletter was in exceedingly poor taste and is unworthy of an electrical engineering professional newsletter. I do not understand how the Newsletter Staff can expect to upgrade the image of the profession in the eyes of the general public and IEEE members (both men and women) when the Staff apparently views their professional journal as an appropriate vehicle in which to print a sexist cartoon. Further, I do not understand how we will ever convince women engineering students that they will be treated as professionals in engineering when one of their professional journals sees fit to cast them in the role of the object in the cartoon.

I hope that in the future the Staff of the Newsletter will exercise greater awareness and sensitivity to the feelings of all of their members in their choice of published material.

Sincerely,  
L. J. Lanzerotti

## 1976-77 Section Officers Nominated Member Input Earnestly Requested

As Chairman of the Nominating Committee I respectfully submit the following slate of candidates for the 1976-77 Executive Committee of the North Jersey Section:

Chairman: Norman A. Blesman  
Vice Chairman 1: Frank Gialanella  
Vice Chairman 2: Donald G. Bathke  
Treasurer: Ken Oexle  
Secretary: Alan H. Stolpen  
Members-at-Large: Alan T. Brown, Sid Markowitz, Alex McPhee, Jerry L. Uhrig

As Chairman of the Nominating Committee I regret that we can offer a choice only for the positions of Members-at-Large, where the candidate with the most votes will become M@L 1, the second M@L 2, and 3rd, M@L3. But, due to the need of additional officers (2 vice chairmen instead of 1, 3 Members-at-Large instead of 2 as required by the recently revised Bylaws), and the loss of potential candidates due to corporate transfers, our resources have been taxed to the limit.

I therefore urge the membership to submit additional nominations, as provided in our Bylaws. Such nominations must be in the hands of the Secretary (Norm Blesman, c/o Public Service E & G, 80 Park Place, Newark, N. J. 07101) by April 7, and must be in the form of a petition, signed by at least 25 voting members of the Section. It must also certify that the nominee(s) agree(s) to serve if elected. I can state on behalf of the above slate of candidates that they overwhelmingly welcome a competitive election. I will be happy to provide whatever assistance I can toward additional nominations.

Max J. Schindler, Ch.  
Nominating Committee

## TUTORIAL SEMINAR SERIES

Thursdays, 7:00 to 9:00 PM, Punchbowl Room, Jersey Central Power & Light Co., Madison Ave. at Punchbowl Road, Morristown, N. J.

Eminent speakers have been selected for each topic covered. Each week's session will serve as an independent topic.

### Section II - Modern Topics

March 25 - "MAGNETIC BUBBLES" - Mr. Paul C. Michaelis

Mr. Paul Michaelis is a co-recipient for the 1975 IEEE Morris Liebmann Award for the concept and development of single-walled magnetic domains (Magnetic Bubbles) and for the recognition of their importance to memory technology. Nonvolatile, low cost memory is promised in the future utilizing these techniques.

April 1 - "NEW DEVELOPMENTS TOWARD LOWER COST SOLAR CELLS"

Dr. Henry Kressel, FELLOW IEEE, RCA Sarnoff Laboratories

Recent interest in large scale photo-voltaic energy conversion has led to the study of potentially low cost methods of forming solar cells in silicon and other materials.

April 8 - "ELECTRO AND ACOUSTO -OPTIC LASER BEAM DEFLECTION & MODULATION" - Dr. Erhard Sittig, FELLOW IEEE

Dr. Sittig is supervisor of activities involving optical information storage, display devices, automatic inspection systems for photolithographic masks and photolithographic exposure systems at Bell Telephone Laboratories.

April 15 - "OPTICAL COMMUNICATION" - Dr. Mauro Di Domenico

Dr. Di Domenico is head of the Optical Devices and Optical Sub-Systems Department of Bell Telephone Laboratories. He will cover optical fibers, GaAs laser sources, silicon avalanche photodiode detectors and optical carrier system performance.

## REGISTRATION FORM

Mail to: Dr. Bob McMillan, 171 Orange Rd., Montclair, N. J. 07042

Make check payable to "North Jersey IEEE"

Please enroll me in:

Section II, Modern Topics, \$20.00

Name \_\_\_\_\_ Phone (H) \_\_\_\_\_

Address \_\_\_\_\_ (W) \_\_\_\_\_

Company \_\_\_\_\_

Full-time students will be admitted without charge upon receipt of a statement from the Student Chapter Advisor of their active student and IEEE status.

For further information: R. McMillan 645-5467 (office) or 645-5472 (sect'y) or 744-6794 (home); or call Al Cox 484-3500 (office) or 821-8232 (home).



## North Jersey IEEE Meeting: Non-Destructive Testing

On Wednesday, March 17, 1976, at 7:30 PM there will be a joint meeting between the North Jersey ASQC & IEEE Reliability Chapters. Mr. Robert Loveless, director of quality assurance, the Worthington Pump Corporation, will talk about non-destructive testing.

Throughout industry there is a constant need for testing and examination of products by methods and techniques beyond the normal standards. At one time, this need was met principally by "torture-testing" the item to destruction. Over the years many methods have been developed which are non-destructive in nature. The use of non-destructive testing (NDT) (also known as non-destructive examination —NDE), has resulted in considerable benefits to industry. From the many methods which have been developed for NDT, Mr. Loveless has selected four types for his discussion: liquid penetrant, magnetic particles, ultrasonic, and radiography.

This meeting is open to all IEEE members, who are encouraged to attend.

For further information, contact Ralph Hernandez at 288-2000, Ext. 5930, or Sid Markowitz at 328-5486.

**Time:** 7:30 PM, Wednesday, March 17, 1976.

**Place:** ITT Auditorium, 500 Washington Ave., Nutley, N. J.

## North Jersey IEEE Meeting: Microwave Power

The speaker at the NJ MTT AP meeting will be Dr. R. L. Camisa, who will talk about the performance of GaAs Schottky Barrier FETS in Linear Microwave Power Amplifier applications. This talk will be circuits and results oriented and will present device power versus frequency curves. Small signal scattering measurements performed on power FETS will be discussed. Amplifier stages incorporating these devices will be summarized.

Dr. Camisa received his BEE, MEE, PhD degrees from City College of New York in 1965, 1969 and 1974, respectively. In 1974, Dr. Camisa joined the Microwave Technology Center at R. C. A. Laboratories, Princeton, N. J. His responsibilities include research on GaAs field effect transistors device technology and linear amplifier development.

For further information, contact E. W. Niemiec, ITTDCD, (201) 284-2323.

**Time:** 8 PM, Thursday, March 25, 1976.

**Place:** ITT Avionics Auditorium, 500 Washington Ave., Nutley, N. J.

**Pre-Meeting Dinner:** 6 PM at the Ramada Inn, Rt. 3, Clifton, N. J. (Eastbound side)

# On May 11 Boston becomes the electronics capital of the world!

That's the day 25,000 "delegates" will gather for the opening of ELECTRO/76, the new IEEE international electronics convention in Bicentennial Boston.

Just about everything new and significant in electronics will be there—more than 500 hands-on product and systems demonstrations; more than 130 hours of solid, useful professional programming.

### It's All Live and Direct

Everything at ELECTRO/76 is up-front and in-person. More than 300 leadership companies presenting the newest high-technology hardware, from micro-processors to "smart" instruments, and from raw materials to complete systems. ELECTRO/76 is the biggest all-electronics event in the eastern United States in many years.

All exhibit space in Hynes Auditorium has been sold out for months, and world-wide electronics industry attention is clearly focused on beautiful, springtime Boston.

### Programming by Objective

35 half-day professional program sessions have been selected and refined from more than 100 proposals, by a committee of leaders in electronics technology.

This program is designed for immediate impact—direct usefulness to pro-



fessionals in their job assignments with strong emphasis on new-technology applications.

All sessions will be held in ballrooms of the Sheraton-Boston Hotel, immediately adjacent to the Hynes Auditorium exposition halls.

A single low registration fee gives you all four days of ELECTRO/76—500 exhibits, strong sessions, and a fine technical film program. All this, and Bicentennial Boston, too!

### A Very Special Event

ELECTRO/76 is a brand-new, all-industry activity. It combines the best of the Nerem and IEEE Show traditions—and adds much more.

Examples: Fully illustrated and complete session manuscripts will be

available on-the-spot; audio tapes of most sessions will be available within a couple of hours. Visitor registration is computerized—it's quick, silent, and it gives each visitor an embossed Inquiry Badge for use in requesting technical literature.

There's an exclusive special exhibit of "famous firsts" in electronics—historically significant devices and systems. And a continuous showing of award-winning technical and scientific films.

Suburban Bostonians can use our special "Mass Pike-128 Flyer"—a continuous bus system from either of two free-parking lots, direct to ELECTRO/76. (\$1 round-trip.) Air and rail transportation to Boston from other eastern cities is frequent and plentiful.

### ELECTRO/76 is for you!

If you are reading this ad in this magazine, ELECTRO/76 is for you!

If you design, develop, test, measure, fabricate, inspect, assemble, package, or use electronics, ELECTRO/76 is a very important week for you.

Registration for ELECTRO/76—for all of it—is just \$6 for IEEE members, \$9 for non-members. You'll find that's a very modest price to pay for the dozens of new ideas you'll discover for yourself. Make your plans now to join the leaders in Boston—and take home some great ideas!



## Electro76

The IEEE Convention in Bicentennial Boston May 11-14  
Hynes Auditorium and the Sheraton-Boston

For further information: ELECTRO/76 31 Channing Street, Newton, Massachusetts 02158 (617)527-6944

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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, Mountainside, 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.

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### REPORT ALL ADDRESS CHANGES TO:

Institute of Electrical and Electronics Engineers, Inc., 345 East 47th Street, New York, N. Y. 10017

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 1975-1976

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Feedback Analysis

Through the November Feedback cards, the Newsletter has been informed that the following companies are hiring:

Digital Computer Controls, Inc.  
12 Industrial Road  
Fairfield, N. J. 07006  
575-9100

Singer Kearfott  
1500 Totowa Road  
Wayne, N. J. 07470

Power Authority of New York State  
10 Columbus Circle  
New York, N. Y. 10019  
Personnel Director: A. Weiser

CGIT Lines Discussed

The Development and Applications of Compressed Gas Insulated Transmission Lines (CGIT) will be discussed by Dr. Alan H. Cookson, advisory engineer at Westinghouse CGIT Lab, Westboro, Mass., at the March 25 Power Engineering Society meeting. Dr. Cookson will describe present and future developments of CGIT systems, talk about several installations, and compare CGIT with other transmission systems.

Dr. Cookson is responsible for the management of engineering contracts, as well as for the technical development of gas-insulated lines of voltage ratings 138 kV through 1200 kV.

The speaker earned his B.S. and Ph.D degrees in electrical engineering at Queen Mary College, London University. He spent three years at the Central Electricity Research Laboratories in Leatherhead, England, investigating high pressure gas breakdown. In 1968, he joined the Westinghouse Research Laboratories in Pittsburgh, where he worked in the area of high voltage breakdown investigations related to the design of transmission towers, circuit breakers and gas insulated transmission lines and substations.

Dr. Cookson is a Senior Member of IEEE, is an ADCOM member and Newsletter Editor of the IEEE Electrical Insulation Group, and is a member of the Institute of Physics. He has authored over 25 papers on high voltage breakdown in compressed gases and long spark flashover in air, and holds five patents in the area of gas insulated high voltage equipment.

Time: 7:30 PM, Thursday, March 25, 1976.

Place: Burns and Roe Inc., 650 Winters Avenue, Oradell, N. J.

Directions: Traveling north on Route 17, make a right turn at Oradell exit, travel one block to Winters Avenue and turn right. You will be behind Fashion Center Shopping Mall.

POLYTECHNIC INSTITUTE OF NEW YORK—MRI SYMPOSIUM ON  
COMPUTER SOFTWARE ENGINEERING

General Chairman: A.A. Oliner; Program Committee Chairman: M.L. Shooman

The twenty-fourth in a series of annual international symposia organized by the Microwave Research Institute of the Polytechnic Institute of New York is being held at the Barbizon Plaza Hotel in New York City on 20-22 April 1976. This symposium enjoys the participation of the IEEE Computer Society, the IEEE Group on Reliability, and the Association for Computing Machinery. As in the past, the symposium is co-sponsored under the Joint Services Electronics Program at the Polytechnic by the Air Force Office of Scientific Research, the Office of Naval Research, and the Army Research Office. The Proceedings will be bound and published in book form following the symposium. Abstracts of all papers will appear in a Program Booklet which will be distributed to all registrants. Members of the IEEE and the ACM may register and/or obtain the Proceedings at reduced rates. Also, early registrants (by 8 April) may deduct \$5.00 from their registration fee.

TUESDAY, 20 APRIL 1976

I Design Techniques  
Chairman: L. Belady, IBM

"Modern Software Design Techniques," R. E. Fairley, Texas A & M University, College Station, TX

"Design Representation Schemes," L. J. Peters and L. L. Tripp, Boeing Computer Services, Seattle, WA

"A Modular Approach to the Structured Design of Operating Systems," S. Krakowiak, M. Lucas, J. Montuelle and J. Mossiere, Laboratoire d'Informatique, Université de Grenoble, FRANCE

II Requirements  
Chairman: B. Boehm, TRW

"I. S. D. O. S. and Recent Extensions," D. Teichroew, U. of Michigan, Ann Arbor, MI

"Specification Verification A Key to Improving Software Reliability," P. C. Belford and D. S. Taylor, Computer Science Corp., Huntsville, AL

"R-Nets: A Graph Model for Real-Time Software Requirement," M. W. Alford, TRW Systems, Huntsville, AL

"The Flow Oriented Requirement Statement Language," T. E. Bell and D. C. Bixler, TRW Systems, Redondo Beach, CA

"Requirements Derivation in Automatic Programming Systems," W. Martin, Project MAC, M. I. T., Cambridge, MA

PANELISTS

C. Vic, U. S. Army Ballistic Missile Defense Agency, Huntsville, AL

H. Eiden, U. S. A. F. Electronics Systems Laboratory, Bedford, MA

R. Eysers, Naval Electronics Center, San Diego, CA

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Additional Person in Room: \$6  
Suites: \$75 to \$125

PLEASE POST

WEDNESDAY, 21 APRIL 1976

III Models and Data  
Chairman: J. D. Musa, Bell Labs

"Effect of Manpower Deployment and Error Generation on Software Reliability," M. L. Shooman and S. Natarajan, Polytechnic Institute of New York

"A Measure to Support Calibration and Balancing of the Effectiveness of Software Engineering Tools and Techniques," R. W. Curry, Science Application, Inc., Huntsville, AL

"Program Structures Complexity and Error Characteristics," T. F. Green and N. F. Schneidewind, Naval Postgraduate School, Monterey, CA

"An Experiment in Automatic Quality Evaluation of Software," S. J. Amster and B. N. Dickman, Bell Laboratories; E. J. Davis, Data Comm. and J. P. Kuoni, Western Electric

"Cost Modularity," E. Jensen, Hughes Aircraft Company, Fullerton, CA

"A Software Physics Analysis of Akiyama's Debugging Data," M. H. Halstead and Y. Funami, Purdue University, Lafayette, IN

IV Theory  
Chairman: M. Denicoff, ONR  
Co-Chairman: P. D. Patent, ONR

"Specifications, Refinement, and Proof of a Macroprocessor," L. Yelowitz, University of Pittsburgh, Pittsburgh, PA

"A Program Verifier With Assertions in Terms of Abstract Data," V. Schorre, System Development Corporation, Santa Monica, CA

"A Semi-Markov Model for Software Reliability with Failure Costs," B. Littlewood, City University London, ENGLAND

"Axioms for Structural Induction on Programs Containing Block Exits," R. B. Kiebertz and J. C. Cherniavsky, SUNY at Stony Brook, NY

"Formal Problem Specifications for Readers and Writers Scheduling," I. Greif, University of Washington, Seattle, WA

V Languages  
Chairman: J. H. Manley, Applied Physics Labs, Johns Hopkins U.

"Decompilation and the Transfer of Assembly-Coded Mini-Computer Systems Programs," F. L. Friedman, Temple University, Philadelphia, PA

"SPTRAN: A Fortran-Compatible Structured Programming Language Converter," I. B. Elliott, Honeywell, Inc., St. Louis Park, MN

"Formalizing the Specification of Target Machines: A Methodology to Enhance Software Transportability," C. F. Ramamoorthy and P. Jahanian, University of California, Berkeley, CA

"Data Types and Programming Reliability: Some Preliminary Evidence," J. Gannon, University of Maryland, College Park, MD

Full Program, more details on request

Please send name, title, association and address with check payable to:  
The Polytechnic-MRI Symposium Committee  
333 Jay Street, Brooklyn, NY 11201  
Attn: Jerome Fox, Executive Secretary  
Telephone: (212) 643-2393

THURSDAY, 22 APRIL 1976

VI Reliability  
Chairman: M. L. Shooman, Polytechnic

"Emulation of an Aerospace Computer on a Microprogrammable Machine," R. Carney, Martin Marietta Aerospace, Denver, CO

"TESTER/1: An Abstract Model for the Automatic Synthesis of Program Test Case Specifications," R. J. Peterson, Informatics, Inc. Mark IV Systems Company, Canoga Park, CA

"Automating Multiple Program Realizations," J. Boyle and M. Matz, Argonne National Laboratory, Argonne, IL

"Fault Tolerant Software - Reliability," J. N. Johnson and J. L. Shaw III, Boeing Aerospace Company, Seattle, WA

"Fault-Tolerant Software - Motivation and Capabilities," H. Hecht, The Aerospace Corporation, El Segundo, CA

"Experience with an Algol 68 Numerical Algorithms Testbed," M. A. Hennell, D. Hedley and M. R. Woodward, University of Liverpool, Liverpool, ENGLAND

"Proposed Measures for Evaluation of Software," S. N. Mohanty, General Dynamics Corporation, Rochester, NY and M. Adamowicz, Polytechnic Institute of New York

VII Case Studies  
Chairman: M. H. Halstead, Purdue U.

"A Comprehensive Software Design Technique," D. Davidson and C. Jones, GTE Sylvania Inc., Mountain View, CA

"Software Effectiveness: A Reliability Growth Approach," R. A. Pikul and R. T. Wojcik, Naval Underwater Systems Center, Newport, RI

"SIMON: A Project Management System for Software Development," R. J. Fleischer and R. W. Spitzer, The Mitre Corporation, Bedford, MA

"An Application of Top Down Programming," J. P. Schaezner, Sperry Univac Defense Systems, St. Paul, MN

"An Exploratory Experiment with Foreign Debugging of Programs," J. D. Musa, Bell Laboratories, Whippany, NJ

"Mapping - An Evaluation of Related Documentation Through Coded Matrices," W. A. Anderson and R. P. Frey, IBM, Endicott, NY

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Proceedings, Reception and Dinner:	
IEEE/ACM Members:	\$75.00
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LIMITED REGISTRATION* including Abstract booklet and Proceedings:	
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Reception and Dinner:	No Fee
Reception only:	\$23.00
	\$ 4.00
PROCEEDINGS (Prepaid orders accepted at these reduced prices up to 1 June 1976. Thereafter, the list price will be \$32.00.)	
IEEE/ACM Members:	\$24.00
Non-members:	\$28.00

Cut along this line

FEEDBACK CARD

The staff of the Newsletter is searching for ways to make this publication more useful to its readers.

1. Volunteers are needed for the staff to help get the Newsletter published on time. If you are interested in this worthy cause and can help, please fill in your name and address below and mail:

\_\_\_\_\_

\_\_\_\_\_

2. Please list any suggestions you have for articles or services you would like to see in the Newsletter.

\_\_\_\_\_

\_\_\_\_\_

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sunday	monday	tuesday	wednesday	thursday	friday	saturday
	1	2	3 EXECUTIVE COMMITTEE MEETING	4	5	6 ANNUAL DINNER DANCE
7	8	9	10	11	12	13
14	15	16 COMPUTER MEETING *(SEE BELOW)	17 NON-DE- STRUCTIVE TESTING	18	19	20
21	22	23	24 ELEVATOR SAFETY CODE	25 CGIT LINES  NJ MTT MEETING	26	27
28	29	30	31 Copy Deadline For April Issue of The Newsletter	FUTURE MEETINGS: See inside this issue for full information on this month's and any future meetings already announced.		
North Jersey Computer Group Meeting On "Computer Security", ITT Nutley, 8 P.M., March 16, 1976. Phone (201) 328-3573 for more details.						

**March 6**

**NORTH JERSEY SECTION**

**ANNUAL FELLOWS DINNER DANCE**

**President of NJIT to Speak**

Remember the big bash last March? It's time to do it again. Get together with your professional associates for a night out of food and music.

This year's dance is being held at the Governor Morris Inn on Saturday, March 6. Cocktail hour being at 6 PM and dinner starts at 7 PM.

The festivities include honoring the five newly elected Fellows of the North Jersey Section and a talk by the President of the New Jersey Institute of Technology, Dr. Paul M. Newell, Jr. His talk is entitled "Projections, Politics and Progress in Engineering Education Now and Tomorrow." It should prove to be very informative — don't miss it. One important change from last year that must be mentioned: We have a band — a large improvement over last year. Even with the poor band last year the place was packed-so get your reservations in right away and bring a friend.

For reservations call J. F. Kampschroer at 386-1922 or 564-7092.

**FELLOWS NIGHT (DINNER DANCE)**

North Jersey Section IEEE

Saturday, March 6, 1976

7:00 PM (Cocktail hour 6:00 to 7:00)

Dancing 9:00 PM to 1:00 AM

Governor Morris Inn

Morristown, N. J.

Dinner Speaker: Dr. Paul M. Newell, Jr.

President, New Jersey Institute of Technology

**North Jersey IEEE Meeting:**

**DINNER & WINE**

The North Jersey Section of the Power Engineering Society will hold its Fourth Annual Dinner Meeting honoring past chairmen on April 29, 1976. The evening will feature a roast top sirloin of beef dinner and a program by Mr. Dominick Moriello.

Mr. Moriello, of State Prize Liquors in Union, will present a program on how and why to select different types of wine. Several wines will be available for tasting purposes. Mr. Moriello has spoken to many groups in the area and this promises to be a very informative evening.

This Fourth Annual Dinner Meeting will be held at the Rock Spring Inn, 481 Northfield Ave., West Orange, on Thursday, April 29, 1976. A dutch treat cocktail hour will begin at 6 PM and dinner will be served at 7 PM. The charge for the dinner, including gratuities, and the wine tasting will be \$7.50 per person. Spouses and guests are most cordially invited to attend. Reservations must be made by April 23, 1976 to Anne M. Giedlinski, Jersey Central Power & Light Company, Madison Avenue at Punchbowl Road, Morristown, N. J.

07960, Phone: 539-6111, Ext. 309. Make check payable to Power Engineering Society IEEE North Jersey Section.

**Time:** 6 PM, Thursday, April 29, 1976.

**Place:** Rock Spring Inn, 481 Northfield Ave., West Orange, N. J.

**Electrical Insulation Practice Seminar**

The New York, North Jersey and Long Island Joint Chapter Instrumentation and Measurements announces a Spring Seminar on Electrical Insulation Practices. Such topics as Corona, Dissipation Factor, Tracking and Errosion Resistance, Absorption, DC vs AC Testing, Dielectric Constant and Loss, Standoffs and Insulators, and Potting Material will be covered. Prominent experts in the field will be presenting the topics at the seminar.

Detailed information and applications can be obtained by writing to: Dr. A. R. Blanck, Rutherford Research, P. O. Box 162, Rutherford, N. J. 07070, and Mr. R. Grossberg, Consolidated Edison Co. of N. Y., Inc., 4 Irving Place, New York, N. Y. 10003.

In the "Letters. . ." section there are three letters two of which concern a cartoon printed in our January issue.

Please comment. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Concerning the letter sent to Chairman McMillan from Governor Byrne, what do you think of it? \_\_\_\_\_

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