PACE Meetings:
The next two North Jersey Section PACE meetings are set for Thursday May 11, and June 8, 1989. The section does not publish the Newsletter for the month of June. Therefore this will also serve for our June PACE Meeting Notices.

LEGISLATION:
The Committee will review legislation that affects engineering jobs. We shall support, oppose or revise legislation and present our findings to the responsible legislative body. We shall also draft letters to our representatives. The letters will be sent with the endorsement of our Section's Executive Committee. Specific attention will be given to organizations supplying false information to Congress about engineering manpower.

Jobs for Engineers: We are presently looking into alternate careers for engineers.

Speaker Agenda: We are preparing a list of speakers and subjects for forthcoming meetings.


All IEEE members and guests are encouraged to attend. Refreshments will be served.

Place: ITT Auditorium, (use rear door), 550 Washington Ave, Nutley, NJ 07110.
Further Information: Richard Tan (201) 654-0803.

Newark Airport Facilities Tour
On Wednesday, June 21, 1989 at 12 Noon, the Joint Chapters of the Computer and Communications Society will hold a buffet luncheon followed by a tour of Newark Airport's Air Traffic Control and/or Communications Facilities. The luncheon will begin at 12 Noon at the Newark Airport Marriott Hotel at the Tocan Terrace. The luncheon will be attended by FAA personnel who will be the guides for the tour.

After the lunch the attendees will begin the tour departing from the Marriott about 1:30 PM. The tour will run not later than 4 PM.

All IEEE members and guests are invited. Reservations must be made in advance by mail for the tour and buffet. The cut off date for reservations will be June 10, 1989 and the number of reservations taken will be limited to 30. This has always been a popular tour and reservations are usually sold out quickly.

To make reservations, send your check to North Jersey Section IEEE, c/o David Perry, Treasurer, 57 Forest Hill Road, West Orange, NJ 07052. Cost of the reservation is $17.00 for IEEE members and $20 for non members.

For further information call David Perry (201) 325-8415.

Alarms and Monitoring for Co-Gen Plants - L.J. Cardoso, Foster Wheeler USA Corp (201) 750-4392.
5. Design Considerations of 30kw-1000kw Co-Gen Plants Using Reciprocally Gas Engines - Castiglioni, Teotonio, (201) 677-2030.

This in-depth talk will be presented on Saturday, May 20, 1989 starting at 8 AM and ending by 5 PM. The location is the Park Ridge Marriott, 300 Brae Blvd., Park Ridge, N.J. (201) 370-0800.

Cost for this complete technical discussion, including the luncheon is as follows: $50 Non-Members, $60 Members, $25 Students.

In order to provide the presentation at this price, reservations with a $30 per person deposit should be made by May 10, 1989. The remainder will be accepted at the door. Check or money order for the deposit should be made payable to IEEE North Jersey Section and sent to Mr. Vitali Rabppagraga, Manager, Electrical Engineering, Burns and Roe Co., 800 Kinderkarmack Road, Oradell, NJ 07649. Coffee and danish will be served before the talks commence and coffee will be available throughout the morning. A buffet luncheon will be served during the seminar break so people can get together to discuss various side issues at length.

Time: 9:00 AM-3:00 PM, Saturday, May 20, 1989.
Further Information: Vitali Rabppagraga (201) 265-2000, ext. 3449.

May Exec Comm Meeting Rescheduled
Because of a conflict with the date of the Annual Section Banquet, the May Executive Committee meeting will be held on May 10th.

The meeting will be held at 7 PM at ITT, 500 Washington Ave., Nutley, N.J. Information on the meeting agenda is available from Richard Snyder, Section Secretary, who is reached at (201) 492-1207.

MAY 1989
New York Chapter IEEE Computer Society
Sixteenth Semiannual Seminar
CURRENT TRENDS IN
COMPUTER SECURITY

Wednesday, May 24, 1989 — 9:00 AM - 4:30 PM
United Engineering Center Auditorium
434 East 47th Street, New York, N.Y.

The importance of computer security has been put in the forefront by recent breaches of a national computer network. This seminar will acquaint you with several important aspects of computer security: Physical (computer room and desk top); Network; PC access; software (virus); and financial fund transfer.

PROGRAM

A Prospective On Computer & Network Security
Steve Lipton
Group Engr. Manager
Digital Equipment Corp.

Security Of A Financial Network
Herb Whitman
VP-Security Advisor

Physical/Anti-Threat Devices For Computers
Guy Caputo
Director/Special Projects
Business Machine Security

Who, Where, When & What Of Network Management
Mel Schwartz
Chairman/CEO
Digital Pathways, Inc.

PC And LAN Access Security
Dick McClung
President
Harcom Security Sys. Corp.

Virus Protection
Arnold A. Singer
President
Integrity Technology Inc.

Computer Viruses: Theory & Experiments
Fred Cohen

Computer Security In The Federal Government
John B.ippolito
Sr. Vice President, COMSIS

Fee: $25 for IEEE Members; $150 for non-Members, with $25 for early registration with payment before May 7, 1989. Fee includes seminar proceedings, lunch, and coffee. For special student and group rates, and for further information, call Jim Barber (121) 365-8765 or Bert Lindberg (212) 825-1527.

Note: above program is subject to change.

An Unforgettable Global Conference Experience

NY/LI/MTT Annual Microwave Symposium
On May 17, 1989 the New York/Long Island Chapter of the Microwave Theory and Techniques Society will conduct its Annual Symposium at the Crest Hollow Country Club, Woodbury, N.Y. Please join us for a delightful evening in New York. As in the past, the Symposium will consist of a Technical Session and a Banquet at which Mr. Henry Bache, President of Hughes Aircraft Company, will present the keynote address.

The subject of the 1989 Symposium is "Emerging Microwave Technologies." The Technical Session will begin at 9:00 AM and end at 5:00 PM. Seven distinguished speakers will present papers on:

Lightwave Technology: Microwave Superconductivity: Microwave Monolithic; Acousto-Electronics (ACTs); Miniature Vacuum Electronics; and Microwave Waves and Medicine. These topics should stimulate, excite, and pique the interests of attendees.

The Microwave Show will be held from 9:00 AM to 6:00 PM, and will open to the general public free of charge starting at 2:00 PM. Over 50 exhibitors will be present to demonstrate the latest in microwave instrumentation, CAE tools, components, and devices. The Committee urges you to mark your calendar and attend what is expected to be an outstanding event.

Pre-Registration Information
Pre-registration fees are: $40 IEEE Members; $50 Non-Members and $30 for Students or Retired Members. Pre-Registration forms are available by calling "Applications for 1989 Long Island Section" must be received by May 8, 1989. Send registration requests to: Pari Boloni, Narda Microwave Corp., 439 Moreland Rd., Hauppauge, N.Y. 11788, (516) 231-1700, ext. 437. After May 8, add $5 to the fee schedule and register on the door. The registration fee includes symposium digest, refreshments, buffet lunch and access to the microwave show.

Attendees are urged to arrive at 8:00 AM for Check-In/Registration. Complimentary coffee, tea and danish will be available.

Registration: To: Andrew Weigel, c/o Eclipse Software, 30 West 15th Street, Suite 5-N, New York, N.Y. 10011. Make checks payable to "IEEE Computer Society."

Contact: Phone: Address:

The North Jersey Section Executive Committee meets the first Wednesday (except holidays and December) at 7:00 PM each month. These meetings held (at ITT, 550 Washington Ave., Nutley, N.J.) are open to all members. Information on each meeting is available from Richard Snyder, Section Secretary at (201) 492-1207. Elected Section Officers are listed above.

A Guide For PC Users And New Owners

The IEEE North Jersey Section Young Engineers Committee will meet on May 25, 1989 to hear a talk on "A PC By Any Other Name." The speaker will be Frank R. Rollo, Pastor Section Chairman and long-time computer hobbyist.

About The Talk

The presentation should be of interest to all who either own or expect to purchase a PC in the near future, an IBM PC or clone. The talk will include discussions on future trends, compatibility, processor types, speed, operating systems, and upgrading. If time permits, a short tutorial will be included on how to access and get the most out of a remote BBS (Bulletin Board System).

About The Speaker

Mr. Rollo has been involved with microprocessors since 1976. He delivered the first series of seminars on micros for the North Jersey Section in 1976. He owns five computers with his latest being an 80386 class machine. He is also the owner of The Don’s Club BBS; which has been in operation now for more than three years.

Members and guests are invited. A free buffet will be offered an hour prior to the scheduled talk.

Time: 7:30 PM, Thursday, May 25, 1989. (Buffet starts at 6:30 PM)

Place: ITT Auditorium, 600 Washington Avenue, Nutley, N.J.

Further Information/Reservation: Sam Benzacor (201) 881-1200; Tom DeNigris (212) 675-1300; Maileld McLarin (212) 335-8847.

CHAIRMAN’S CORNER

ATTENDED

The first two days of the ELECTRO Show at the Javits Center, NYC. Despite a small drop in the number of exhibitor booths and attendance, it was a great show, from the exhibit area, to the crowded room on superconductivity, to the shows plus exhibit booths, and finally to the last day bitly of groups by students to pick up bargain phones not called down.

Dr. John Stossinger, Professor of International Affairs, Trinity University, San Antonio, Texas, the keynote speaker, talked about the tremendous changes that were taking place internationally and how the Conference Booth was looking to the West for help with their economies. He suggested that, while prudent, he help them move toward more open elections and capitalism.

He further suggested that there were new openings up occurring on the economic side to sell to Russia, Eastern Bloc countries, and China and that this potential trade would alleviate the U.S. trade deficit. He further indicated that Russia and China once our WWII allies, would rather do business with the U.S. but that if we were unable to move forward, the Japanese, who are not willing to make the business.

Dr. Stossinger, finished his speech with a very moving description of how he eventually immigrated to this country. After Hitler marched into Austria, he and his mother fled to China through Russia and then with the help of a U.S. Army officer, he immigrated to the U.S. on a student scholarship. He ended his speech with a standing ovation.

ELECTRO was a big success and we as a section, which deliver a major portion of our financial support from the surplus, owe many thanks to the ELECTRO directors and other IEEE volunteers that made it all happen. We particularly want to thank our own Frank Rollo, Director of Special Activities, who arranged for the keynote speaker and many of the events, and George Grail, Chairman of Transportation, for their outstanding contributions. And we express our gratitude to all of the other members of the North Jersey Section that volunteered their time at ELECTRO.

To those of you who think that the IEEE is not doing enough in professional activities to obtain portable pensions and alleviate salary compression and age discrimination, I urge your support of Merrill Buckley’s petition candidacy for President-Elect of the IEEE. He strongly supports action on these issues and needs about 2400 member signatures by mid May. If you would like to sign the petition or take one around to your membership, please contact me at (201) 540-1283 (H), or Dick Tat (at) 516-654-6964 (H).

If you know of a friend or a associate that may be interested in joining the IEEE now is the time to suggest that they join. As of March 1st, the price of membership dropped to half price, $38.50, for the rest of the year. It’s the perfect time for you to support your associates that they sign up now. For application forms contact Howard Weinstein, Membership Development Chairman, at (W) (201) 481-0600 or (H) (201) 797-4300.

HOWARD LEACH, Chairman

Page 11 - May, 1989 - North Jersey Section "IEEE NEWSLETTER"
North Jersey IEEE MTT/AP Scholarship Application
For Scholastic Year September 1989 to May 1990
(MICROWAVE ENGINEERING)

Name: ___________________________ Home Phone: ___________________________

Address: ___________________________ ___________________________

School: ___________________________ School Phone: ___________________________

School Address: ___________________________ ___________________________

Current Class Year: ___________________________ (Must be Senior or Graduate student in September 1989)

Member of Student Branch: ___________________________ Number of Years: ___________________________

Office/Position Held: ___________________________

Current Microwave Engineering Course (Number/Title): ___________________________

Projected Microwave Engineering Course(s) Next 2 Semesters: ___________________________

Latest Cumulative Grade Point Average: ___________________________

I am a full-time student in good standing in my college and in the community in which I reside. I will retain my IEEE membership for at least three years after receipt of this MTT/AP Scholarship.

Applicant’s Signature: ___________________________ Date: ___________________________

As a member of the faculty of ___________________________ and having specific knowledge of the applicant, the above statements are true to the best of my knowledge.

Signature: ___________________________ Position: ___________________________ Date: ___________________________

 Thesis: 500 words (One 8 1/2” x 11” page) handwritten, single spaced. (Attach thesis to back of application.) Choose one topic from (1) and (2), and also (3).

1. “My Concept of Microwave Engineering”
2. “Relationship of Microwave Engineering to the Digital World”
3. “My Microwave Engineering Project for the Next Academic Year”

(Onew essay and one project description required.)

Respond To: Dr. Richard V. Snyder
c/o RS Microwave Co., Inc.,
22 Park Place, P.O. Box 273
Butler, NJ 07405-0273

IEEE North Jersey Section Calendar

May 10—“Technology Management: Results Of Project Management Experience”—NY/NJ Chapter of the Engineering Management Society, 7:00 PM, Stevens Institute of Technology, 4th Floor, Stevens Center, Hoboken, N.J. Jay Gilbert (201) 420-5369.


May 15—“Officer Elections And Review Of Advertising Campaign”—NY Consultant’s Network, 6:30 PM, Con Edison Building, 4 Irving Place, Room 1405, NYC. Theodore Fishman (914) 937-0568.


May 16—“Quality and Reliability Programs For Medical Devices”—North Jersey Chapter Reliability Society, 7:00 PM, ITT Auditorium, 500 Washington Ave., Nutley, N.J. Hank Moss (201) 785-6458.

May 17—“Symposium: Emerging Microwave Technologies”—LI Chapter MTT Society. For details call Pari Boboht (516) 231-1700, ext. 437.

May 18—“GaAsFET And HEMT Modeling Circuit And System Simulation; Optimization Of Non-Linear Circuits”—North Jersey IEEE MTT-AP Chapter, 5:00 PM, ITT Clubhouse, 417 River Rd., Nutley, N.J. Reservations required for complimentary pre-meeting buffet dinner. Dick Snyder (201) 492-1297.


May 22—“Symposium: Neural Networks (NN) And Applications To Intelligent Robots”—Long Island IEEE Artificial Intelligence And Intelligent Robot Technical Committee, 6:00 PM, Harry J. Schreier Hall, NY Institute of Technology, Old Westbury, L.I. Robert Hong (516) 675-3034.

May 24—“Today’s Premises Communication Wiring - An Update”—North Jersey Section IEEE Computer/Communications Chapter, 8:00 PM, AT&T Ball Labs Auditorium, 600 Mountain Ave., Murray Hill, N.J. Jim Morgan (201) 766-6669.

May 25—“A PC By Any Other Name”—IEEE North Jersey Section Young Engineers Committee, 7:30 PM, ITT Auditorium, 500 Washington Ave., Nutley, N.J. Sam Benazar (201) 881-1200.

June 8—“PACE Meeting”—North Jersey Section, 7:30 PM, ITT Auditorium, 500 Washington Avenue, Nutley, N.J. Richard Tax (201) 664-8083.

June 18—“Networking— Plans For Future Meetings”—IEEE NY Section Consultants’ Network, 6:30 PM, Consolidated Edison Building, Room 1405, 4 Irving Place, NYC. Jim Wettseur (212) 393-1999.

June 18—“Technology Policy Issues Related To IEEE/PPS Members”—IEEE New York Section Power Engineering Society, Education Committee, 5:00 PM, Consolidated Edison Building, 4 Irving Place & 14th Street, Room 1405, NYC. Leon Katz (212) 492-8409.

June 20—“Testability Impact On Reliability”—North Jersey Chapter of the Reliability Society, 7:00 PM, ITT Avionics Auditorium, 500 Washington Avenue, Nutley, N.J. Hank Moss (201) 785-6458.

June 21—“Newark Airport Facilities Tour”—Joint Computers & Communications Society, 12 Noon, Newark Airport Marriott. Reservations Required for Tour and Buffet. David Ferry (201) 362-8415.

PLEASE POST
Members and Non-Members Welcome
Controversy

Conflict Or Compatibility

The May 18, 1989 meeting of the North Jersey IEEE MIT-AP Chapter will have two major topics. The first, "GlasFET And Compact Module Development", will feature speakers Charles H. Holmes and Octavious Pitlazis, Jr. The second topic, "Optimization Of Non-Linear Circuits Using Nonlinear Optimization Techniques", will be presented by Robert A. Bart and Octavious Pitlazis, Jr.

About The Speakers

Charles H. Holmes is a Senior Member of the Technical Staff at Motorola Inc., and has been with the company since 1971. He received his Ph.D. in Electrical Engineering from the University of Wisconsin in 1978.

Octavious Pitlazis, Jr., received a B.S. in Electrical Engineering from the University of Missouri in 1959. From 1963 to 1966, he did graduate study toward the MSE degree at the University of Illinois. From 1969 to 1974, Mr. Pitlazis was a civilian electronics engineer at NASA Ames Research and Development Laboratories (previously known as LABCOM) at Moffett Field, CA. In 1981, he joined MBB in Munich, Germany, as a Principal Development Engineer. Since then, he has been involved in the development of non-linear and digital signal processing algorithms for the design of microwave and digital components.

IEEE Engineering in Medicine and Biology Chapter of the New York/Long Island North Jersey Sections First Annual Bioengineering Conference Wednesday, July 27 - 7:00-9:30 PM Rockefeller University Tower Building, Room 305 York Avenue and 67th Street, NYC

There will be five abstracts presented. Each speaker will lecture for 10 minutes, and there will be a 5-minute interval for questions. The warning signal will be sounded 45 minutes into the conference.

Program

6:00 PM

Reconstruction of the 2-D Shape of Arterial Lumen - M. Szulc, J. Barba - City College of NY, Electrical Engineering Dept.

6:15 PM

Edge Detection in Cytology - L. Yuan, J. Barba, J. Gil - College of NY, Electrical Engineering Dept. and Mount Sinai Medical Center.

6:30 PM

A 3-D Segmentation Algorithm for Surface Reconstruction - A. Kalvin - NY University Robotics Laboratory.

6:45 PM

Cell and Nucleus Shape Analysis Using Elliptical Measurements - R. Wall, J. Barba, M. Crole, Y. P. Young - City College of NY, Electrical Engineering Dept. and NY Institute of Technology.

7:00 PM

Break for Refreshments

7:45 PM


8:00 PM

Microcomputer-Aided Electrocardiography - J. Fung, A. Marsili, K. V. Leung - Cooper Union School of Engineering.

8:15 PM

Simulation and Quantification of Human Biodynamic Response to Transitory Acceleration Profiles - P. H. Frisch - Applied Physics, Inc.

8:30 PM

Evaluation of the Effectiveness of a Developed Peritoneal Implantable Mechanical Cardiac Assist System - J. L. Dula, W. Melkowitz, S. Petrucci, S. Orute - Rutgers University, Dept. of Biomedical Engineering.

8:45 PM

Automatic Charting of Dental Radiographs - T. Liang, S.M. Dunn, P. J. Desjardins, M. Miles - Rutgers University, Dept. of Biomedical Engineering.

9:00 PM - 9:05 PM

Closing Remarks by Chairperson

For Registration or Information please contact the following persons:

Raphael Hankin, Chairman, Program Comm., Brooklyn VA Medical Center, Dept. Cardiology, 400 Polk Place, Brooklyn, NY 11201 (718) 260-3734.

Benjamin Cade, Chairman, SUNY Health Science Center, Box 1199, 450 Clarkson Avenue, Brooklyn, NY 11225.

V.J. Komitha, Vice Chairman, Rutgers University, Dept. Bioengineering, Box 909, Piscataway, N.J. 08855 (201) 878-1599.

Edith Fafir, Member-at-Large (212) 767-0610.
PACE Committee Meets Monthly

The PACE Committee meets on the second Thursday of every month at 7:30 p.m. at Bellwether, 870 Avenue, Nurey, N.J. (near the the ITT Tower) at 7:30 PM. Our Section Executive Committee meets there on the first Wednesday of every month, except in December at 7:00 PM. Any questions or comments will be well received. Contact Richard Tax at (210) 664-0803 (7:20 PM) or write to R. Tax, 620 Montipeque Place, River N.J., 07675.

Neural Networks And Robotics-II

On May 22, 1989, the Long Island IEEE Artificial Intelligence and Intelligent Robot Technical Committees have organized the second of a series of symposiums on one of the most popular and important topics in research and implementation: Artificial Intelligence And Applications To Intelligent Robots. The symposium will consist of papers by four speakers from the State University of Stony Brook. The speakers will present their research in three of the state-of-the-art in the applications of neural networks to computer-vision, mobile robot with manipulators for observing samples from Mars to be returned to earth, and the new advancements in robotics important to Jet Propulsion Laboratory and NASA. Specifically, the papers are as follows:

2. Intelligent control of manipulators for picking up samples - Carlos Alayo.
4. Application of scene into regions based on textural features - Ji-Yul Shin.

There is no charge for attending the symposium.

Place: Harry J. Schure Hall, NY Institute of Technology, Stony Brook, N.Y.
Information: Robert Hong (516) 575-3634.
Dr. Leon Wang (516) 598-7790.

High Technology Cabling Systems

On May 24, 1989 the North Jersey Joint Computer and Communications Societies will hold a presentation on "Today's Premises Communications Wiring - An Update," Speakers at this meeting will be "Cable Guys," John M. McGee and Moe S. Lisciairdo; and John T. Bocar, P.E. In addition to the above there will also be a cabling con-
tractor.

About The Talk

This will be a follow-on to last year's well-attended April introductory talk with the cable guys. It will show how the cabling is used in homes and offices and what it will mean to the home user. It will also show what cable guys do and what they can do for you.

Time: 8:00 PM, Wednesday, May 24, 1989.
Place: AT&T Labs Auditorium, 600 Mountain Ave., Murray Hill, N.J.
Further Information: Jim Morgan (201) 768-0969, John Bocar (201) 631-5177.

Technology Management

The New Jersey Chapter of the Institute of Electrical and Electronics Engineers will hold a May 10, 1989 meeting on "Technology Management: An Overview Of Project Management Expert." The speaker will be Professor William G. Wells, Jr., of the Stevens Institute of Technology.

About The Talk

Dr. Wells will discuss the results of a recent survey of 60 project managers in the Washington-Baltimore area. He will review their background, qualifications, and experiences, and discuss the effects of part-time and full-time teaching. He has served in a number of technical management and policy positions in the U.S. Air Force, National Aeronautics and Space Administration, the State University of New York, the University of Illinois, and other institutions.

Time: 7:00 p.m., Monday, May 10, 1989.
Place: Stevens Institute of Technology, 4th Floor, Stevens Center, Hoboken, N.J.
Information: Jim Morgan (201) 420-5369.

Engineering Management Society

The NYNJ Chapter of the Engineering Management Society announces the following schedule of meetings for 1989:

September 18 - Das Money of "Leads in Management."

October 15 - November 15 - Mr. Michael Fishman "Leadership in Management."

Further Information call: Jay Gilbert (201) 420-5369.
**Overview Of Low-Bit-Rate For Video Coding**

The May 16, 1989 meeting of the North Jersey Section of the IEEE Transactions on Image and Signal Processing Chapter will feature a talk on "Low-Bit-Rate Coding." The featured speaker will be Dr. Barry Haskell, AT&T Bell Laboratories.

**Color motion video signals are typically compressed with MPEG at approximately 2 Mbits/second. The coding and transmission of motion video at the very low rate of 4.5 Kbit/s is a new challenge.** The MPEG applications has been accomplished only by reducing the quality of the reproduced image substantially below what most people are used to in viewing entertainment television. The coding techniques used at this time basically attempt to exploit both the "fidelity" and the "subjective redundency" inherent in the spatial and temporal resolution limitations of human vision.

The p x 64 bit algorithm currently being pursued by the CCITT SXGV Experts Group on Video Telephony utilizes a Discrete Cosine Transform to model compensated frame differences in a Change Detection Region. The background, principles and implementation of this and related algorithms will be discussed and pictures will be shown.

At the somewhat higher bit-rate of 1.5Mbit/s, with the same basic model, some results can be used with some embeddings. The ISO Motion Picture Experts Group is able to look at some algorithms and get a range for applications such as CD-ROM. Recent work that was not available at last month's meeting will be described and pictures will be shown.

**Calling All Associate Members!**

It's time to advance to associate or Senior Member grade. The dues are the same for all three grades so apply for the highest grade for which you qualify.

For information and a Membership Application forms, please contact Don Webster, 325 Kiltie Lane, Boonton, NJ. 07005.

**Officer Election and Review of Advertising**

On May 15, 1989 the IEEE NY Section Committees Network will meet to elect officers for 1989-1990, and review the results of the past year's advertising efforts.

The meeting will take place at the Consolidated Edison Building, 4 Irving Place, Room 1405, NYC. (Please note the new and more convenient location and the building name and floor number in Ed category). The meeting begins at 6:00 PM (EST).

The June meeting will take place on Tuesday, June 13th at the same location.

The new officers will discuss their plans for next year, and Mr. Bob Nollert, the new chairman of PACE will talk about the future functions of the group.

**Testability Impact On Reliability**

Dr. Haskell is a member of Phi Beta Kappa, Sigma Xi, and is a Fellow of the IEEE. He is also an editor of the IEEE Transactions on Communications on the subject of Image Communications and Signal Processing.

**Free Buffet**

A free buffet will be provided on a first-come-first-served basis an hour prior to the scheduled talk.

**Time:** 7:30 PM, Tuesday, May 16, 1989.
**Place:** JCP&L Co., Madison Avenue and Punch Bowl Rd., Morrisntown, N.J.
**Further Information:** Mr. Haskell at (201) 388-2736; Steve Laico (201) 388-2031; Sunny Patel (201) 583-4923; Joe Rothwell (201) 284-2722.

**Testability Impact On Reliability**

The National Reliability Society will meet on June 20, 1989 to hear a talk on "Testability Impact On Reliability" by Bob Nollert. The speaker will be Jon L. Torino of Logical Solutions Technology.

**Design**

Testability is a design characteristic which allows the status (operable, inoperable) of a module to be determined, and it addresses the extent to which the module design can be easily detected and fault isolation in a confident, timely and cost-effective manner.

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The new officers will discuss their plans for next year, and Mr. Bob Nollert, the new chairman of PACE will talk about the future functions of the group.

**Time:** 6:30 PM, Monday, May 15, 1989.
**Place:** Consolidated Edison Building, 4 Irving Place, New York, Room 1405, 4 Irving Place, New York.
**Further Information:** Mr. Haskell at (201) 321-1999; Ted Fishman (917) 937-6658.

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