



The IEEE

# Newsletter

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## NORTH JERSEY SECTION FELLOW AWARD

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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

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### Melvin I. Cohen

"For leadership in research, development, and implementation of lightguides for optical communications and lasers for use as a tool in materials processing."

### Daniel L. Goldberg

"For innovative engineering of large transportation facilities."

### Edward H. Nicollian

"For contributions to metal-oxide-semiconductor interfaces."

### Aaron E. Rosenberg

"For contributions to speech and speaker recognition."

### Jacob W. Schaefer

"For the invention of the command-guidance principle for ground-to-air/space intercept of an intruding aircraft/missile."

### Stephen B. Weinstein

"For contributions to the theory and practice of voiceband data communications, and to IEEE publication activities."

## EDISON MEDAL

Eugene I. Gordon — "For a singular career of invention, development, and leadership in electron devices."

## DAVID B. SARNOFF AWARD

Alan D. White — "For invention of the visible light helium-neon laser."

## REGION 1 AWARD

Nicholas Osifchin — "For leadership in the design and development of the Telstar antenna and Seaplow."

## CENTENNIAL MEDAL

### John Baka

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## Quartz—The Ultimate Mask Material

An IEEE Centennial Trichapter Meeting sponsored by the Princeton, New Jersey Coast and North Jersey Chapters on Electron Devices and Microwave Theory Techniques will be held from 7:30 PM to 8:30 PM, Monday, March 5, 1984 at Princeton University. At the meeting, in the Convocation Room, Engineering Quadrangle, Olden Ave., Princeton, N.J. (between Nassau Street and Prospect Ave.), Dr. Georg J. Sele and Dr. Gilbert J. Zinsmeister of Balzers AG, Balzers, Liechtenstein will discuss "Quartz - The Ultimate Mask Material for Optical Lithography."

### About The Talk

The fabrication of VLSI circuits and high performance devices requires photo-masks with high UV transmission and small thermal expansion coefficients. The high transmission is necessary to expose photo-resists, and the low expansion is essential for achieving a small run-out between different mask layers.

Quartz in its form as fused silica is ideally suited for use as a photomask. Its thermal coefficient of expansion is  $0.56 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$  and the UV transmission is high to wavelengths below 200 nanometers. In addition to these desirable properties the material meets the requirements for fine-line lithography because of the small density of inclusions.

The extremely low thermal expansion and the UV-transmission coupled with nearly no imperfections allows users of quartz masks to extend optical lithography to its limits.

A Pre-Meeting dinner will be held at the Rusty Scupper Restaurant, Alexander Road (off Route 1), Princeton, N.J. at 5:45 PM Sharp! For dinner reservations call Lynda Krause at (609) 734-3251.

## Aluminum Conductors

On March 13, 1984 the North Jersey Chapter of the Industry Applications Society will present a seminar on aluminum conductors. The film strip/tape cassette seminar is designed to provide practical information on aluminum connection and installation procedures. The opening part of the seminar describes how working with aluminum differs from and is similar to working with copper. The succeeding three

parts cover installation procedures for bus bars, feeder size, cables and circuit size wires.

Attendance is free. Members and non-members are invited.

**Time:** 7:30 PM, Tuesday, March 13, 1984.  
**Place:** ITT Auditorium (under the tower), 500 Washington Ave., Nutley, N.J.  
**Further Information:** Irwin West, (201) 288-4485.

## Pyramid Control Concepts

Mr. Gary Schmidt and Mr. Joe LeGrand of the Allen-Bradley Co., will discuss "Pyramid Control Concepts with Programmable Controllers" at the March 15, 1984 meeting of the Control Systems Society.

As programmable controller technology has developed, the idea of what a control system should be has changed considerably. A complete control system also includes a way of coordinating the operations of many PC's, data base computers, and other equipment. The pyramid control concepts provide a top down systems approach in which each control level builds on the technology provided by the level below it. The authors will provide an in-depth analysis on why and where these control levels should be used.

Intelligent I/O were pioneered by Allen-Bradley Co. The speakers, Mr. Schmidt and Mr. LeGrand, are area manager and application engineer respectively in the Industrial Automation Controls division of Allen-Bradley and are highly knowledgeable in the state-of-the-art.

**Time:** 7:30 PM, Thursday, March 15, 1984.  
**Place:** Jersey Central Power & Light Co., Madison Avenue (Rt. 24), Morristown, N.J.  
**Pre-Meeting Dinner:** 5:30 PM, AFTON, Hanover Road & Columbia Turnpike, Florham Park, N.J.

**For Further Information:** Daniel Tuey (201) 567-9004, Frank Kuhl (201) 663-1381 (Eve.), Kushal Jain (201) 265-2000.

## Personal Computers For Home And Business

The New York/North Jersey Chapter of The Engineering Management Society will hold a March 20, 1984 meeting on "Personal Computers for Home and Business." The

speaker will be Brian J. Kelly of Hewlett-Packard.

Mr. Brian J. Kelly is a Systems Engineer for the Personal Computing Products Division of Hewlett Packard. He holds a B.S. in Business Administration from the University of South Carolina. Mr. Kelly has spoken to many industrial groups, such as ASME, and Instrument Society of America, on a variety of personal computer related subjects. Mr. Kelly will cover what to look for when purchasing a computer, uses, compatibility with existing systems, memory and software. A demonstration unit will be available.

**Time:** Pre-meeting dinner 6:00 PM, Meeting 7:30 PM, Tuesday, March 20, 1984.  
**Place:** Gateway Hilton, Gateway Center, Raymond Blvd., Newark, N.J. (Public Transportation: PATH Trains Direct to Gateway Center).  
**Cost:** \$15.00 per person which includes cost of dinner, tax and gratuities.  
**Reservations Required:** Call Al Bottani (212) 393-2019, Barry Gourary (201) 783-5570, or Harry Stokes (914) 696-6775.

## Floppy Diskettes

Representatives of the 3M Data Recording Products Division will discuss floppy diskettes at the April 3, 1984 meeting of the new Personal Computer Committee. A major manufacturer of floppy diskettes and producer of diskettes from basic raw materials, 3M has been involved with production of magnetic media for over thirty years. It produced the industry's first computer tape in the early 1950's, and is also heavily involved with the production of video and audio tapes.

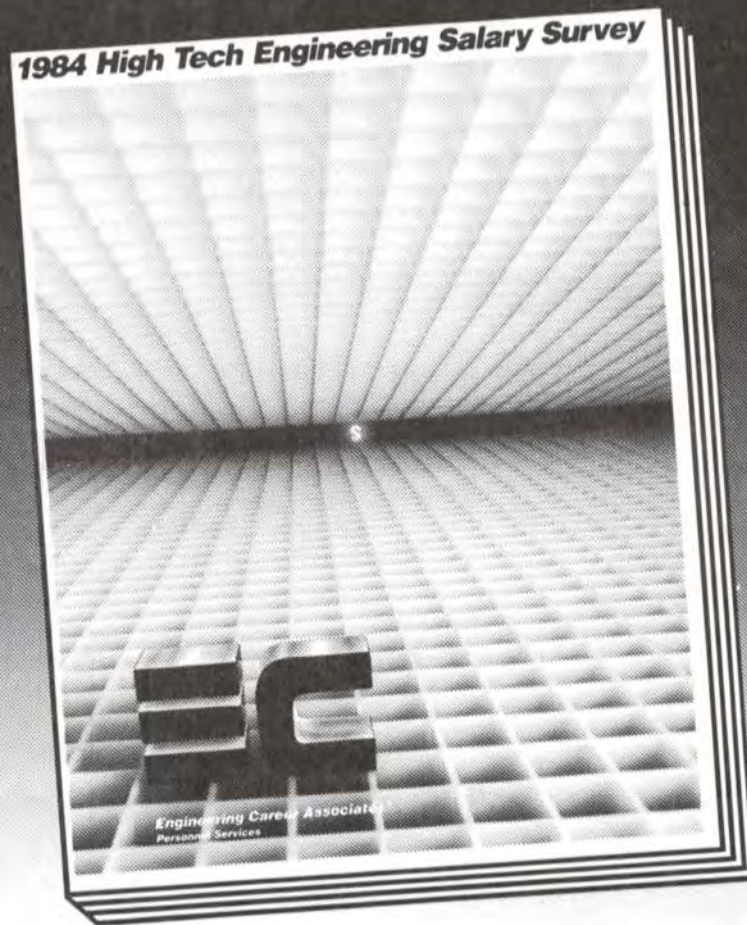
Ned Hancock, a local 3M representative, and Jim Goius, a quality control engineer from St. Paul, Minnesota will give a 45 minute presentation and then open the floor for questions.

The presentation will cover the following topics: (1) The manufacture of floppy diskettes; (2) The present state of the art and the future of floppy diskettes, (3) The care and handling of diskettes.

**Time:** 7 PM, Tuesday, April 3, 1984.  
**Place:** ITT Auditorium, 500 Washington Avenue, Nutley, N.J.  
**Additional Information:** Nancy Chou (201) 284-3439 (days) (201) 835-0054 (eve.).  
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# New and Free



## Salaries are higher in 1984 for high tech engineers!

Salaries in electronics are significantly outpacing those compensation levels paid in other areas of engineering.

Through a unique step-by-step career planning and progress review system, you'll learn how to maximize your chances for getting ahead.

### Are you keeping up?

In our new 1984 Survey, you'll not only learn what your peers are earning, but you'll also gain insight on which professionals are expected to earn the most throughout this decade and beyond.

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Not only does our new report provide salary data for 27 position titles, it also reviews techniques you can use to assess your current situation as well as proven strategies you can implement that thousands of other engineers have used to help advance their careers.

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The new *1984 Electronics Industry Engineering Salary Survey and Trend Analysis* is available without charge.

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## Fees Reduced!

March 1st is here and NEW MEMBERS may join IEEE at reduced prices. The reduced rate is \$47.50 total for 1984. The standard rate was \$15.00 registration fee plus the \$65.00 annual dues.

If any of your associates are interested in joining, application forms are available from Donald Weinstein at (201) 945-3000.

Please let Don know if your company pays for membership in IEEE.

## Millimeter Subsystems

The North Jersey Chapter of the MTT/AP Societies meeting on March 21, 1984 will cover "Millimeter Subsystems." The speaker will be Don Ball of Hughes Aircraft.

Mr. Ball will describe millimeter subsystems incorporating mixers, couplers, filters and other devices. The assemblies will include fine line technology, E-plane filters and integrated components fabricated on soft substrates. Examples of sys-

tems operating through W-band will be presented.

Mr. Ball is Manager of Millimeter Subsystems for the Electron Dynamics Division of Hughes Aircraft, Torrance, California. He is the author of many papers in the integrated subsystems area.

**Time:** 7:45 PM, Wednesday, March 21, 1984.

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

**Pre-Meeting Dinner:** 6 PM, Ramada Inn, Route 3, Clifton, N.J.

**Reservations:** Dick Snyder (201) 492-1207 (day) or Willy Schmidt (201) 284-2255.

## South Street Seaport Management & Costs

The April 18th meeting of the New York/North Jersey Chapter of the Engineering Management Society will look at the "Management & Cost Aspects of Schermerhorn Rehabilitation Project." The speaker will be John A. Falls, CCE.

Mr. Falls holds a Bachelor of Science

degree from City College of New York and has continued his studies at Pace University in the MBA Management Program. For the past twenty years, Mr. Falls has been involved in a wide range of construction projects. The bulk of his experience is centered around project estimating and scheduling.

Mr. Falls is employed by E.W. Howell Co., Inc. as Project Manager of Schermerhorn Row, a 10 million dollar restoration in the South Street Seaport District and other building modifications.

This will be the second joint meeting with the American Association of Cost Engineers and should prove to be a very worthwhile experience.

**Time:** 7:15 PM, Wednesday, April 18, 1984.

**Place:** Swiss Bear Restaurant, 20 East 41st Street, NYC.

**Pre-Meeting Dinner and Cocktails:** 5:30 PM.

**Cost:** \$17.50 per person — includes the cost of dinner and two cocktails, tax and gratuities.

**Reservations:** Al Bottani (212) 393-3797, Barry Gourary (201) 783-5570 or Harry Stokes (914) 696-6775 no later than April 16, 1984.

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## SECTION BANQUET – APRIL 11, 1984

### Banquet Menu

#### Reception

Tart Shells Portuguese  
Stuffed Mushrooms Graham  
Broiled Chicken Livers Monticello  
Aubergine Supreme  
Pastries Hors d'Oeuvres Assorte  
Cantonese Egg Rolls - Sauce Anglaise  
Frankfurter Puffs  
Veal Souffles a la Oscar  
Danish Liver and Potato Souffles  
Quiche Lorraine  
Shrimps Soto Mayer - Sauce Romanoff  
Miniature Pizzas  
Baked Clams Crosettie  
Clams on Half Shell  
Oysters on Half Shell  
Veal Scallopini a la Tiberius  
Chicken Montmartre  
Petite Stuffed Cabbage - Hungarian Style  
Baked Stuffed Shells - Sauce Marinara  
Rice Pilaf  
Fresh Chinese Vegetables  
Baked Sugar Cured Ham  
Petite Party Breads  
Unlimited Cocktails  
Wine and Beer

#### Dinner

Salad Valencia  
Assorted Imported Cheeses Passed  
Imported Flat Breads  
Roast Prime Ribs of Beef - Sauce Naturale  
Stringbeans Almondine  
Glazed Belgian Carrots  
Potato Chanticler  
Petite Dinner Rolls/Butter  
Coffee/Cream  
Chocolate Mousse  
(Liquor during and after dinner - individual responsibility)

A time to relax, unwind and enjoy —

A time to pay tribute to our New Fellows —

A time to honor our new Senior Members —

**YES it's time for the Annual Section Banquet**

Following the enthusiastic response of those who attended the Banquet the past six years, we are returning to the Chanticler in Millburn. The affair is scheduled for Wednesday evening, April 11, 1984. Each ticket is \$22.00 and includes a complete prepaid Cocktail Hour preceding dinner. Spouses and guests are welcome.

Reservations required by April 4, 1984. Complete the reservation form below and return it with your payment. If any additional information is required concerning the Banquet, contact Eugene Niemiec at 239-2046 (evenings).

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Use this form for Banquet reservations enclosing a stamped self-addressed envelope. Reservations required by April 4, 1984. Mail reservation request to:

Eugene Niemiec  
66 Skytop Road  
Cedar Grove, N.J. 07009

Enclosed is \_\_\_\_ Please forward \_\_\_\_ tickets (make checks payable to North Jersey Section IEEE) to:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_ Zip: \_\_\_\_\_

I would like to share a table (seating \_\_\_\_ ) with the following:

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## The Founding Of The IEEE—Part 2

### IEEE Centennial 1884-1984: "The Merger of IRE and AIEE"

Merger was an old idea. Alfred N. Goldsmith, one of the founders of the IRE, had long advocated the joining of the two electrical engineering societies. In 1922 Goldsmith and A. E. Kennelly, then a past president of both societies, initiated a serious effort toward merger which failed due to the AIEE's lack of interest in radio. After World War II, the AIEE became more receptive to the idea of consolidation. In 1945, 1952, and 1956 the AIEE Board of Directors expressed its interest in merging with the IRE, but the radio engineers chose to remain aloof.

Yet merger was becoming ever more logical. Neither society adequately represented the whole breadth of electrical engineering. There was duplication of staff, publications, and activities, as well as duplication of expenses for members who chose to join both institutes. The difficulties were first overcome on college campuses, where Student Branches of the AIEE and the IRE began to join together. In 1950 the Boards of both societies authorized the creation of Joint Student Branches, with one set of dues.

On the national level efforts at closer cooperation continued. In 1956 John D. Ryder and Morris Hooven, Presidents of the IRE and AIEE respectively, met at the Engineers Club in New York and worked out a reciprocal membership plan, whereby members of one institute could join the other at an equivalent grade, without payment of fees or further substantiating documents. The plan was approved by the IRE in 1955, but the AIEE did not approve until sometime later. In 1958 AIEE President L.F. Hickernell and IRE President D.G. Fink worked out additional arrangements for closer cooperation, but these were not immediately implemented.

In January of 1961, IRE past President Ronald McFarlan was invited to attend an AIEE board meeting, where he described the organization and philosophy of his institute. Later in the year, Clarence Linder, President of the AIEE made a similar appearance before the board of the IRE. After these meetings events moved rapidly. Representatives of the two societies met and arranged for the appointment of a joint Ad-hoc Committee to discuss the specifics of a merger. The eight-man committee did its work well; by October of 1961 the IRE board authorized its President, P.E. Haggerty, to present the AIEE with a resolution that the merger go forward.

The Merger Committee was enlarged to fourteen members in 1962 and set out to devise merger recommendations which could be presented to the membership of both societies later in the year. In the election that followed, 87 percent of the voting members of each society approved the merger. Donald G. Fink, a Fellow of both the AIEE and the IRE, was chosen as General Manager of the new Institute of Electrical and Electronics Engineers. On January 1, 1963 the IEEE was officially born.

## Post-Divestiture Telecommunications

A one-day seminar on "Telecommunications in the Post-Divestiture Environment" will be held at the Scanticon-Princeton Conference Center on April 17, 1984. The Seminar is sponsored jointly by The New Jersey Coast Communications Society Chapter, IEEE and The Princeton Section, IEEE.

The program includes:

Irwin Dorros, Executive Vice President, Technical Services, Central Services Organization, Inc — "BOC Telecommunications in the Post-Divestiture Environment"

James J. Tietjen, President and Chief Operating Officer, RCA American Communications, Inc. — "Domestic Satellite Communications in the Post-Divestiture Environment"

David G. Thomas, Executive Director, Transmission Systems, AT&T Bell Laboratories — "Fiber Optics in the '80's and Beyond"

Roy J. Morris, Senior Manager of Policy Administration, MCI — "Making it as Interexchange Carrier after Divestiture: Having the Right Stuff"

J. Randolph MacPherson, Regulatory Counsel, Telecommunications, Department of Defense — "National Security - Emergency Preparedness Communications in an Evolving Competitive Environment"

Nobuhiko Shimasaki, General Manager, C & C Systems Development, NEC America Inc. — "Local Area Networks and Wide Area Networks in the Post-Divestiture Environment"

Michael S. Slomin, Legal Assistant to Chief of Common Carrier Bureau, Federal Communications Commission — "Divestiture: Technology Boom or Bain"

Steven G. Chrast, Director of Technology Research, Sanford C. Bernstein and Company — "Market Share Opportunities for Long Distance, Network Equipment and Customer Premise Equipment"

The Luncheon speaker will be Senator Frank Lautenberg (Dem.-N.J.)

Registration, including Sessions, Proceedings and Luncheon is \$75 for IEEE Members and \$100 for Non-Members. Additional Conference Proceedings are available at \$25 each.

Checks should be made payable to: NTSAC '84 and sent to Dan McWhorter, AT&T Communications, 295 N. Maple Ave., Room 3449 No.3, Basking Ridge, N.J. 07920, (201) 221-4461.



# PACE NEWS

Professional  
Activities  
Committee for  
Engineers

By R. Tax

## Position Paper On Meeting Notices

IEEE technical meetings are the most important reason for my expensive membership. There is, however, not a good enough method for me to attend the desired meetings. My case is typical of many other IEEE Members, so I use this personal pronoun (I) in a general manner.

I cannot get Section meeting notices from other sections where I don't live. Section meeting notices are mailed to the same membership mailing address as all other IEEE mail. I want to receive section notices from the section where I work. (Many miles away from my home address.) I want to learn what local meetings are scheduled at my work location. Better yet, I want to be able to stop off at meeting locations along the route from work.

I receive IEEE mail at home in Mountain Lakes, New Jersey and I work in Red Bank, New Jersey. The 70 mile trip takes me through New Brunswick (Rutgers University) and near Newark (NJIT) where meetings often take place. My work location in Red Bank is near Bell Labs at Holmdel, and Fort Monmouth; both of which hold many important technical IEEE meetings. I cannot obtain the necessary meeting information! There are three section borders involved here.

I specifically requested that I be placed on the Fort Monmouth membership roster for the Aerospace and Electronic Systems Society (Code 10) group meetings near Fort Monmouth.

I also specifically requested that I be put on the Holmdel Computer Society (Code 16) group listing when I joined the Computer Society again last year. (I had been Chairman at the North Jersey Computer group for several years at Bell Labs, Whippany, ten years ago).

Neither of these request has been granted! I called the Piscataway IEEE office and also the New York headquarters office, but was informed that the rules were for only one address per member. The only exception is for IEEE Committee Members.

Thus, I have started an official IEEE membership development project -- herewith -- to change this IEEE regulation. We must promote better information on the availability of our technical meetings. We must effect an improved attendance at our local IEEE technical meetings.

I sincerely believe that we can get a great improvement in attendance if we will direct technical meeting information to all who can use it. There was a rule for general mailings made many years ago, but I am not asking for any changes in the general mailings. I am asking for a new type of mailing or other communication for technical meeting data.

I have used a term for information transfer that is not restricted

to mail. The meeting notice information is very time sensitive and mail would be too slow in many cases. Telephone or data line connections would be much better and much more effective if costs could be handled.

I want to be able to contact someone and get data as to who is meeting, where, when and why as well as how I could join them. This includes people who travel to other parts of this vast IEEE world of meetings and section activities. I should be able to find data when I hit Boston from Washington or Denver. There is almost always a meeting planned somewhere and our expensive technical time must be better utilized. Attending such meetings makes our tax deductions for travel cover the whole world (like my travel to London, England). Also a good meal with friends is worthwhile anywhere, anytime.

I speak from extensive experience in this Professional Society business because I have lived on Long Island and in New Jersey and found a need for New York City meetings. I lived in Fort Worth, Texas and wanted to go to meetings in Dallas, Texas where I went to graduate school classes. I lived in Palmdale, California, and needed meeting information for Los Angeles, San Diego, San Francisco, Glendale, Pasadena, Edwards AFB, etc. I lived in Huntsville, Alabama and needed meeting notices for Atlanta, Georgia and Nashville, Tennessee.

Our local Section, North Jersey, is now engaged in a serious effort to improve meeting attendance. We have been making surveys and using questionnaires to see what is needed. The answers are hard to get. The section officers are making major efforts to help groups increase their meeting attendance.

The motivation is, of course, to help these groups function better and also to boost their officers' morale. People don't like to have three or four attendees at an elaborate meeting room.

Dinner or lunch reservations are a real problem for the meeting hall establishment too. Restaurants are good meeting places, but only if people can arrive at the meetings.

I specifically omit all social and committee functions and I also will not compete with prepaid conventions and training courses. These items are well handled and scheduled and publicized properly. My only concern in this effort is to improve technical meeting attendance.

This Project will become a new PACE Professional Activities Project for our local PACE group and I hope for National PACE too.

*Sincerely,*

*MAITLAND McLARIN, PACE Chairman, North Jersey, 17 Briarcliff Road, Mountain Lakes, N.J. 07046 (201) 335-6847 (evenings) or (201) 741-2054, Ext. 22 (day)*

**Comments and help welcomed, call me collect, please.**

# Student Activities

By **STELLA LAWRENCE**

## ANNUAL STUDENT PRIZE PAPER CONTEST

Each year METSAC hosts the Metropolitan Student Council Student Prize Paper Contest. All schools in the metropolitan area with Student Branches of the IEEE are eligible.

The papers are submitted in writing and selected finalists present their papers orally in a contest which is held on Student Activities Day. For the 1983-84 academic year, the contest will be held on Sunday, April 15th on the beautiful campus of Trenton State College in conjunction with the Ninth Trenton Computer Festival.

The papers should cover technical and engineering aspects of a subject reasonably within or related to the areas with which the IEEE is concerned, and with which the author is familiar, whether from his courses, his hobbies, or his summer work. The paper need not necessarily be original in engineering content, but should be original in treatment and concise in coverage of the author's contribution to that subject.

The deadline for the submission of papers is tentatively set for March 30, 1984. All papers must be submitted to the Contest Secretary, Dr. Charles Rubenstein, Chairman, Department of Electrical Technology, Bramson ORT Technical Institute, 44 East 23rd Street, New York, N.Y. 10010, (212) 677-7420. All contestants must be members, in good standing of the IEEE.

The prizes in the 1983 contest were: First Prize \$250, Second Prize \$150, Third Prize \$100, Fourth Prize \$50.

The prizes for the separate contest for freshman and sophomore students were: First Prize \$150, Second Prize \$100, Third Prize \$50, Fourth Prize \$25.

The best paper in each school will also win an award of \$25.

## REGION I PRIZE PAPER CONTEST

The Region I Prize Paper Contest will be held in Boston, during ELECTRO/84, in May 1984.

Last year the Region I Prizes were: First Prize \$2,500, Second Prize \$500, Third Prize \$300, Fourth Prize \$100.

It is possible to win the MSC Contest First Prize, the Region I First Prize, and the member school First Prize, so why delay? Sit down, write that paper and win a nice sum of money!

## NINTH ANNUAL TRENTON COMPUTER FESTIVAL

The Ninth Annual Trenton Computer Festival on April 14 & 15, 1984, promises to be bigger and better than ever. It is sponsored by the IEEE/ACM Princeton Section, the Dept. of Engineering Technology, Trenton State College, and other outstanding computer societies.

The Trenton Computer Festival is the ORIGINAL Personal Computer Show. Last year attendance exceeded 10,000. The conference features computer conference sessions on software, hardware, home applications, robotics, and much much more, as well as user group sessions on Apple, Radio Shack, IBM, Pet, etc. Special tutoring sessions for the general public and novices. Free courses, demonstrations, technical sessions new graphics, theater, etc.

Don't MISS it. Be there for Student Activities Day and the Computer Festival. Learn, participate, and enjoy.

For further information contact SIEET, Trenton State College, Hillwood Lakes CN550, Trenton, N.J. 08625, or call (609) 771-2487.

## METROPOLITAN STUDENT COUNCIL NEWS

Under the leadership of its Chairman, Edward Farkas of the CUNY Technical College, the Metropolitan Student Council is continuing its program of activities for the 1983-84 academic year.

Although the Student Branch is unique within the IEEE organizational structure, most Branches welcome coordination and strive to become an integral part of their section, area, and region. Branch officers generally recognize that working with other groups of the IEEE is mutually beneficial.

Fortunately, the Institute has mechanisms through which branches can work with each other while cooperating with section, area, and regional committees.

The METSAC Metropolitan Student Council brings together all the Student Branches of four sections.

The "Newsletter" is anxious to publish news of Student Branch elections, and Student Activities. Send all information to your Student Activities Editor, Professor Stella Lawrence, Bronx Community College, W 181 Street and University Ave., Bronx, N.Y. 10453, or call (212) 220-6044.

## PC Group Organized

Under the guidance of Richard Tax, Section Vice Chairman and Alan Stolpen, Section Group Coordinator, the first formal bytes have been taken to get the Personal Computer committee off and running. It all started the evening of the first class for the "BASIC" Course. Since the course covers the syntax for the IBM, TRS-80, Commodore and Apple computers, those present were already very interested in the subject.

Mr. Tax introduced the idea of a PC Committee at the February 1 meeting and a budget was adopted to cover preliminary expenses until our fiscal year ends in June.

## PACE Sets Meeting Dates

The North Jersey Section Professional Activities Committee will sponsor its regular monthly meeting the third Wednesday of every month. Meetings will be held from 7:30 PM to 9:30 PM at Singer-Kearfott, Plant 3, 1250 McBride Avenue, Little Falls, N.J.

These meetings are open to all members and interested public professionals with refreshments free of charge.

**Further Information:** M. McLarin (201) 335-6847; H. Waters, (201) 785-6417.

## Fossil Fuel Plants And The Environment

The New York & Long Island Section of the Joint Power Engineering Society & Industry Application Society will sponsor a March 21, 1984 meeting on "Environmental Problems Related to Fossil Fuel Plants." The speaker will be Mr. Harry Hovey, Director of Air Department of Environmental Conservation, State of New York.

**Time:** 6:30 PM, Wednesday, March 21, 1984.

**Place:** Stone & Webster, Inc., One Penn Plaza, 39th Floor Training Room, NYC.  
**Pre-Meeting Buffet:** 5:30 PM, \$10/person. For pre-meeting buffet send check payable to "IEEE P&I Division" Mr. G. Gross, the firm of D. Reddy PE, 140 Cedar Street, N.Y., N.Y. 10006, 10th floor (212) 306-0431.