NORTH JERSEY INSPECTION TRIP

Saturday Oct 21, 1967

Ventilation stack
Reactor vessel
Main steam line
Dry well
Concrete shielding
Feed water
Control rod drives
Recirculation pumps

Reactor building
Absorption pool (underground)

Oyster Creek Nuclear Generating Station

See Page 11

Volume 14 / Number 2
OCTOBER 1967
CAREER POSITIONS IN ELECTRONICS

THE COUNTER-TIMER TEAM
Left to Right: JERRY HARPER, RON MYERS, RON EUFINGER

This new "4th generation" instrument, with 90% integrated circuit construction was developed by Ron Myers and his Counter-Timer Team. Monsanto offers you the same opportunity to work on such revolutionary new projects, plus the respect, recognition, and feeling of achievement that come with doing a good job.

The Monsanto Electronics Technical Center in West Caldwell, New Jersey, gives you the chance to be a part of today's most fascinating growth industry... ELECTRONICS. Challenge... excitement... personal satisfaction... and ample financial reward are yours when you become a member of the big "M" team. Top benefits include an attractive tuition refund program.

APPLICATIONS ENGINEER
TECHNICAL SALES ENGINEER
FIELD SERVICE ENGINEER
CIRCUIT DESIGN ENGINEER

B.S.E.E. 2-3 years experience in applications or related circuit design work. Opportunity to work on advanced measurement devices.

Call, wire, or write: RIAL SIMONS
MONSANTO ELECTRONICS TECHNICAL CENTER
610 Passaic Avenue, West Caldwell, New Jersey 07006
An Ideal Suburban Community Only 35 Minutes from Manhattan
Tel. (201) 228-3800

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The IEEE Newsletter
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Volume 14 October, 1967 No. 2

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ABOUT ADDRESS CHANGES
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.

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NORTH JERSEY SECTION OFFICERS
1967-1968
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Treasurer Merle M. Irvine
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Member-at-Large Carl C. Torell
Past Chairman Stephen A. Mallard

Executive Committee Meetings
at Verona Public Library
First Wednesday of Month
7:30 P.M.

1967
October 4 December 6
November 1
1968
January 3 February 7
March 6 April 3
May 1 June 5
All IEEE Members Welcome

CALENDAR

STUDENT BRANCH — FAIRLEIGH DICKINSON

Thursday, October 5
10:00 A.M. — Room W-7.

NORTH JERSEY SECTION 10-LECTURE SERIES

Friday, October 6
6:30 P.M. — "Electric Power Distribution for Industrial Plants" at Jersey Central Punchbowl Room, Madison.

NORTH JERSEY SECTION 20-LECTURE SERIES

Tuesday, October 10
6:30 P.M. — "Insulated Conductors" at Union Carbide Building, 270 Park Avenue, New York City.

NEW YORK — COMTECH 10-LECTURE SERIES

Tuesday, October 17

WEDNESDAY, OCTOBER 11

NORTH JERSEY SECTION 6-LECTURE SERIES

6:00 P.M. — "Fortran Programming for Digital Computers" at Jersey Central Punchbowl Room, Madison.

STUDENT BRANCH — NCE

9:20 P.M. — Room 213.

NEW YORK — COMTECH 19-LECTURE SERIES

Monday, October 16

NEW YORK — COMPUTER

6:30 P.M. — "Transmission Problems in Computer Controlled Data Systems" at N. Y. Telephone Little Theatre, 140 West Street, New York City.

Tuesday, October 17

POWER AND INDUSTRIAL DIVISION

See Sept. Issue

NEW YORK — COMPUTER

7:45 P.M. — "Computers for Tactical Use" by Milton Lipton of U. S. Electronics Command at National Cash Register, 50 Rockefeller Plaza, New York.

Wednesday, October 18

PRINCETON — MAGNETICS

8:00 P.M. — "The New Semiconducting Ferromagnetic Spinels" by Dr. Peter Wojtowicz at Murray Hall, Rutgers University.

NORTH JERSEY — MITT

Thursday, October 19

NEW YORK — GAES

8:00 P.M. — "Microwave Radiometry" by Myron M. Rosenthal of General Precision Inc. at General Precision, Wayne.

STUDENT — FAIRLEIGH DICKINSON


NORTH JERSEY SECTION 8-LECTURE SERIES

Tuesday, October 24
6:30 P.M. — "Basic Reliability Engineering" at Newark.

NORTH JERSEY — RELIABILITY

8:00 P.M. — Panel discussion at Two Bridges Country Club, Lincoln Park.

Friday, October 20

STUDENT BRANCH — NCE

See Sept. Issue

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Friday, October 20

STUDENT BRANCH — NCE

See Sept. Issue

The New Semiconducting Ferromagnetic Spinels

The magnetic, electrical and optical properties of this new and unique class of materials will be reviewed by Dr. Peter J. Wojtowicz. An outline of a simple theory which explains the magnetic characteristics of these compounds will be presented.

8:00 P.M. Wednesday, October 18th
Rutgers University
Murray Hall — Room 120
Dinner: Alumni Faculty Club, 6:00 P.M.
Trip: Grumman Aircraft Engineering Corp., Bethpage, Long Island, N. Y.

Wednesday, October 25

STUDENT — NEWARK COLLEGE OF ENGINEERING

9:20 P.M. — Room 213.
Executive Committee Column

Awards Committee

The IEEE creates its image in many ways in the minds of its members and in the views of the rest of the technical fraternity. One important way in which this image is built up is by the care and integrity with which we recognize professional excellence. Our Awards Committee has the responsibility of stimulating such recognition for the North Jersey Section. This committee reviews nominations to the Fellow grade and recommendations for the Institute awards and then forwards these recommendations to the Headquarters Committee. As you may appreciate the size of the section and the depth of study required in reviewing these recommendations make this a very difficult task. In addition, the size of the Institute means that the final processing of these awards places a considerable burden on headquarters.

It is imperative that each and every member of our section recognize that his assistance is vitally needed in selecting these award recipients. Specifically it is the responsibility of the individual members to forward their recommendations for Fellow Grade and the various special awards to the Section Awards Committee. Therefore, if you know of an engineer in the North Jersey Section whose performance deserves special recognition please be certain that it is not overlooked by promptly forwarding his name to the Section Awards Committee.

WELLESLEY J. DOODS
Chairman
Awards Committee

North Jersey MTT
N. Y. Aerospace
and Electronics

Microwave Radiometry

Microwave Radiometry may be called Passive Radar. It may be used in all weather because it uses the millimeter wave region of the electromagnetic spectrum and most important it is a passive device. As the state of the art receivers has improved, the applications for Radiometry have grown. Microwave Radiometric Equipment has been developed for a variety of purposes: Astronomy, terminal guidance, military acquisition, target discrimination, navigation, and reconnaissance.

Date:
Thursday, October 19, 1967
Time:
8:00 P.M.
Place:
General Precision Inc.
150 Totowa Road
Wayne, New Jersey
(Turn north from Route 46 at exit between Topps and Two Guys. One mile — then right at Golf Course on Totowa Road, 2/10 miles to 150 Totowa Road)
Speaker:
Myron M. Rosenthal
(Radiometric Section Head)
General Precision Inc.
Kearfott Systems Division
Wayne, New Jersey

Biographical Note:
Mr. Rosenthal received his B.E.E from CCNY and a M.S in Math from Adelphi College. He is an Engineering Section Head in the Systems Research Department of General Precision Inc. He has taught courses at Polytechnic Institute of Brooklyn for the past 13 years. He is Secretary of the GAES Metropolitan Chapter of the IEEE. He received the 1967 “Best Presentation Award” at the National Aerospace and Electronics Conference.

North Jersey — Computer
Three Talks Planned

The Northern New Jersey Computer Group has planned an interesting program for the winter season. Among the talks will be the following: “Digital Computers to Perform Filtering”, “Illiac 4 from the Manufacturer’s Viewpoint” and, in cooperation with the Power Group, “Power System Security and Dispatch Computer.” Specific details will appear in the next Newsletter.

New York Study Group

Transmission Problems in Computer Controlled Data Systems

There is every indication that data communications will affect the lives of everyone. The subject is not new to some, but the constantly changing associated technologies pose very interesting problems and viewpoints. Join us to hear well known experts on the subject. A series of six lectures on “Transmission Problems in Computer Controlled Data Systems” will be presented by the Communications Technology Group, New York Section, IEEE, on Monday nights beginning October 16. These lectures will be held in the Little Theatre, New York Telephone Building, 140 West Street, New York City starting at 6:30 P.M.

Send check, payable to “Communications Technology Group, New York Section, IEEE,” c/o Mr. Paul Lenner, Room 1230, New York Telephone Company, 330 Madison Avenue, New York, New York 10017. Registration fees for the full series are: $5.00 for IEEE members; $8.00 for non-members; and $1.00 for full-time students. Register early as audience size will be restricted to seventy. Tickets for attendees will be distributed at the first lecture.

Non-Member $40.00

Switching Systems and Their Applications

A three part, nineteen lecture series will be rerun to accommodate those unable to attend the previous lectures given last Fall.

Fee:
Students $10.00, Member $35.00
Non-Member $45.00

The two hour lectures for both series will be held in the Little Theater, New York Telephone Company Building, 140 West Street, New York City and will start at 6:30 P.M., October 11.

Registrations must be made in advance and will be limited to 65 persons for each series.

MR. N. J. SYVERTSEN
Treasurer, Education Committee

“Switching Systems and Their Application” series
New York Telephone Company
Room 2011
140 West Street
New York, New York 10007

I wish to enroll in the following parts of the Communications Technology Group Lecture series on “Switching Systems and Their Application.”

Three Part Series
Part I
Part II
Part III
☐ I am an IEEE Member
☐ Non-Member ☐ Full-time Student

My check for $ is enclosed.

Name
Affiliation
Mailing Address
Phone

The Newsletter, October 1967
Fortran Programming For Digital Computers

A six session course to teach engineers and others to solve engineering problems on a digital computer.

INSTRUCTOR: James C. Gass

New Jersey Power and Light Company

TUESDAY, 7:00 P.M. TO 9:00 P.M.

November 15, 1967

PLACE: New Jersey Power and Light Company, Room II-08, Jersey Central, New Jersey Power and Light Company, Room II-08.

FEE: Members $30.00, Non-Members $35.00

An eight session study group on probability and statistics to familiarize the engineer with statistical concepts, techniques, and applications.

Basic Reliability Engineering

Electrical Power Distribution for Industrial Plants

A ten session lecture series designed to present a clear understanding of the principles and protective equipment used in the planning, designing and operation of the Electrical Power Distribution System for Industrial Plants.
FORTRAN PROGRAMMING

FOR DIGITAL COMPUTERS

(JOINT IEEE — ASME COURSE)

A six-session course to teach engineers and others how to use Fortran programming to solve engineering problems on a digital computer.

October 11 — Introduction and Arithmetic Statements
October 18 — Input/Output Statements, Subscripting, Control Statements
October 25 — IF Statements, Looping, DO Statements
November 1 — Use of DO Statements
November 8 — Format, Subprograms, Subroutines
November 15 — Review, Problem Solving, Visit Typical Computer Installation

INSTRUCTOR

Mr. H. E. Blaicher, Jr., Distribution Planning Engineer, Jersey Central/New Jersey Power and Light Company.

TIME

7:00 P.M. to 9:00 P.M. — Wednesday Evenings — October 11 to November 15, 1967.

PLACE

Jersey Central/New Jersey Power and Light Company, Room B-09, Madison Avenue at Punch Bowl Road, Morristown.

FEE

$30.00 Members (I.E.E.E., ASME, etc.); $40.00 Non-Members. $5.00 discount for early registrations. Text material will be supplied.

Send Registration Forms To: Mr. James C. Gass
Allis Chalmers Mfg. Co.
2222 Morris Avenue
Union, New Jersey
Phone: MU 7-3700

REGISTRATION FORM — FORTRAN PROGRAMMING COURSE

Name _______________________________ Tech. Society _______________________________

Firm ___________________________________ Phone _______________________________

Address ________________________________________________________________

Check Enclosed Member: $25.00 ; $30.00 after Oct. 9
Non-Member: $35.00 ; $40.00 after Oct. 9

Please make checks payable to: North Jersey Section, I.E.E.E.
BASIC RELIABILITY ENGINEERING

An eight session study group will be presented on probability and statistics to familiarize the engineer with statistical concepts, techniques, and applications under the direction of Dr. R. Misra of the Section Reliability Group.

October 19 — Introduction to Reliability Problems in Electronics.
Instructor: R. L. Trent, NASA

October 26 — Probability Theory and Basic Distribution
Instructor: Professor H. Barkan, N.C.E.

November 2 — Distribution
Instructor: Professor H. Barkan, N.C.E.

November 9 — Sampling Theory
Instructor: A. Fennochi

November 16 — Sampling Practices
Instructor: A. Fennochi

November 30 — Basic Failure Mechanisms in Semiconductors
Instructor: Professor R. Misra, N.C.E.

December 7 — Failure Mechanisms in Capacitors and Electronic Tubes
Instructor: Professor R. Misra, N.C.E.

December 14 — Management Problems in Reliability Engineering
Instructor:

TIME — 6:30 P.M. - 8:30 P.M. — Thursday Evenings — October 19 to December 14, 1967.

PLACE — NEWARK, NEW JERSEY.

FEE — $30.00 Members; $40.00 Non-Members. $5.00 discount for early registration. Printed notes will be supplied.

Send Registration Forms To: Mr. John Zemkowski
Public Service Electric & Gas Company
80 Park Place, Room 6319
Newark, New Jersey 07101
Phone: 622-7000, Ext. 3008

REGISTRATION FORM — BASIC RELIABILITY ENGINEERING COURSE

Name ................................................................. Tech. Society

Firm ................................................................. Phone

Check Enclosed  Member: $25.00 ......; $30.00 after Oct. 12
Non-Member: $35.00 ......; $40.00 after Oct. 12

Please make checks payable to: North Jersey Section, I.E.E.E.
ELECTRIC POWER DISTRIBUTION FOR INDUSTRIAL PLANTS

A ten session study course to help electrical, consulting, and project engineers, contractors, architects, and others who are concerned with power distribution systems. It will be especially valuable in providing a sound working knowledge of engineering principles necessary to properly select and lay out an economical, adequate, safe, and reliable power system. The presentations will be made by engineers from the General Electric Company who have specialized in designing distribution equipment for industrial plants.

Oct. 9 — Basic Considerations — Preview of material to be covered, factors affecting the planning and selection, load surveys, one line diagrams, use of symmetrical components for short circuit calculation. Instructor: J. W. Gordon, Application Engineer, East Orange.


Nov. 6 — Selection and Application of Protective Devices — breaker ratings and fuse ratings, factors to consider in selection of equipment, problem solutions. Instructor: Frank Shields, Application Engineer, Schenectady.

Nov. 13 — Voltage Regulation and Power Factor Improvement, importance of good voltage, voltage drop, power factor fundamentals, calculation methods, capacitor facts and fallacies, rate studies.

TIME .......................................................... 6:30 - 9:00 P.M. Monday nights — Starting October 9, 1967 and ending December 11, 1967.

LOCATION ...................................................... Punchbowl Room, Jersey Central/New Jersey Power and Light Company; Madison Avenue at Punch Bowl Road, Morristown, New Jersey.

FEE ............................................................ $50.00 to members (IEEE, ASME, NJSSPE, etc.); $60.00 to non-members. $5.00 discount for early registrations. The following text material will be supplied:

2. IEEE 141 Electrical Power Distribution for Industrial Plants ($3.00).
3. IEEE 241 Electric Systems for Commercial Building ($6.00).

Send Registration Forms To: Mr. B. G. Geertsma
Jersey Central/N. J. Power & Light Co.
Engineering Department — Substation
Madison Avenue at Punch Bowl Road
Morristown, New Jersey 07960
Phone: 539-6111; Ext. 498

REGISTRATION FORM — INDUSTRIAL POWER COURSE

Name .......................................................... Tech. Society ........................................

Firm ........................................................... Phone ....................................................

Check Enclosed Member: $45.00 ......; $50.00 after Oct. 2 .......
Non-Member: $55.00 ......; $60.00 after Oct. 2 .......

Please make checks payable to: North Jersey Section I.E.E.E.
Student Affairs

Calendar

Fairleigh Dickinson University—Day

Branch meetings will be held on October 5 and October 19 at 10:00 A.M. in Room W-7.

Topics of discussion will include the tour of the Fort Monmouth Communications Facility scheduled for a date in October (date and time to be announced on campus), and increasing sophomore class membership in the student branch.

Newark College of Engineering—Evening

Branch meetings will be held on October 11 and October 25 at 9:20 P.M. in Room 213F.

The main topic of discussion will be the local NCE student paper contest. The scheduled prizes are:
- First Prize: $50.00
- Second Prize: $25.00
- Third Prize: $25.00

New York Section

Communication Technology

Lecture Series—1967-1968

Sponsored by the Education Committee

Integrated Circuits

A ten lecture, two part series on Integrated Circuits

Fee:
- Students $10.00, Members $30.00
- Mr. N. A. MACINA
- Treasurer, Education Committee
- "Integrated Circuits" Series
- RCA Communications Systems Division
- 75 Varick Street
- New York, New York 10013

I wish to enroll in the following parts of the Communications Technology Group Lectures series on "Integrated Circuits."

Two Part Series
- Part I
- Part II

☐ I am an IEEE Member
☐ Non-Member
☐ Full-time Student

My check for $ ____________ is enclosed.

Name __________________________
Affiliation ______________________
Mailing Address __________________
Phone __________________________

Joint Metropolitan—Instrumentation and Measurement

A most interesting evening, which includes a dinner, lecture, and tour of the Grumman Lunar Module and its associated instrumentation facilities has been arranged for October 23, 1967. Only United States citizens may attend. Dinner is $5.00 and checks should be mailed not later than October 17, 1967 to Mr. Howard Lustig, General Instrument Corporation, 100 Andrews Road, Hicksville, N.Y. 11802. Telephone contact is (516) 681-4300.

AC/DC SIGNAL SOURCE

Ballantine Model 421A Precision Calibrator with Model 2421 Error Computer

Model 421A provides an accurate, stable source of voltage in a typical production Q.C. set-up. Other instruments measure levels at several points. Model 2421 Error Computer speeds up measurements by changing the 421A output by an accurately indicated percentage.

Generates ± DC, or AC at 400 or 1000 Hz, RMS or Peak-to-Peak

The Ballantine Model 421A Precision Calibrator provides an accurately known stable source of ac or dc voltage for calibration of voltage sensitive devices, or for measurements of gain or loss, or as a source for bridges or strain gauges. The output may be ± dc, or it may be ac at 400 or 1000 Hz, rms or peak-to-peak. Accuracy to 111 volts ac or dc is 0.15%, and from 111 to 1110 volts ac is 0.3%. A high order of stability is obtained by monitoring the input to the attenuator with a bridge circuit whose output compensates for effects of changing line voltage, aging tubes and ambient temperature.

Model 2421 Error Computer is an optional accessory which, when connected to Model 421A, provides for a change in its output up to ±5%, as read directly on the dial of the 2421. The device under calibration is fed its nominal voltage by setting the voltage knobs on Model 421A. The dial on the 2421 is then adjusted until the device reads its nominal voltage, and the error of the device is then directly from the scale of the 2421.

Rack versions of Model 421A are available

Write for Brochure giving full Specifications

If you have a production line Q.C. requirement for a known stable source of dc or ac, and a means for measuring % deviation from a nominal value, the 421A Calibrator and 2421 Error Computer may be exactly what you need. Write us for full details today.

BALLANTINE LABORATORIES INC.
Boonton, New Jersey

CHECK WITH BALLANTINE FIRST FOR DC AND AC ELECTRONIC VOLTMETERS/AMMETERS/ OHMETERS, REGARDLESS OF YOUR REQUIREMENTS. WE HAVE A LARGE LINE, WITH ADDITIONS EACH YEAR. ALSO AC/DC LINEAR CONVERTERS, AC/DC CALIBRATORS, WIDE BAND AMPLIFIERS, DIRECT-READING CAPACITANCE METERS, AND A LINE OF LABORATORY VOLTAGE STANDARDS FOR 5 TO 1,000 MHZ. Represented by GAWLER-KNOOP COMPANY, 14 Beaufort Avenue, Roseland, New Jersey
Destiny and New Jersey
by Morris D. Hooven

The following is the text of the address by Morris D. Hooven, past president of the IEEE, at the fourth annual Section dinner-meeting held on June 14 at the Robin Hood Inn, Clifton.

I have often, while I was looking at our bodies and minds, the past week has been a poor one in which to sit back and think about ourselves. However, it is not too difficult—e'en on a hot night—to sit here and be secure enough, even a little snug, about ourselves. Tonight is a night of celebration. We are honoring here men of capability and devotion—men who have given of their talent and time to advance our art. And what sweeter award can there be than that of recognition by one's own working companions?

And I have the feeling—a half buried feeling—-but a doubly strong one nevertheless—that we tonight are at a culmination of accomplishment compounded throughout the centuries and the centuries here at the Robin Hood Inn, Clifton in New Jersey—where we somehow see the technologies of the living past meet the technologies of the future. For the past is still alive, and the future is stirring: Look at last week.

The two most ancient peoples of which we have record, the Egyptians and the Jews, were at each other's throats. Both peoples 'Ave in their roots the very beginning of engineering accomplishments. True, the Pyramids antedated the Civils; they were the author's reward. When it is considered that the oldest professional society paper approach, new engineering developments were locked up in secret files, it becomes clear why the explosion in technology hit us.

To come back to the Civils—Their meetings went on apace. At the end of the 19th century, the Civils were an engineering profession in its own right, and the first convention in Philadelphia in 1884, considered the "Edison Effect", the transmission of electric currents through space within a vacuum tube. Discussion brought forth no specific solutions, but a doubly strong one never could be just a little complacent, even if you please, how much further development of accomplishment compounded by the years that followed the foundation of the Institute of Electrical Engineers, I hold it self evident that our handsomest men do not gravitate to their place in the sun. True, the Egyptians were never given power supply were of course the larger accomplishments. Then came the railroads. ASCE was founded in 1854, just across the river and here, in its meetings, the American general feeling—the fusion with the Civils—-men of capability and devotion—men who have given of their talent and time to advance our art. And what sweeter award can there be than that of recognition by one's own working companions?

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To come back to the Civils—Their meetings went on apace. At the end of the 19th century, the Civils were an engineering profession in its own right, and the first convention in Philadelphia in 1884, considered the "Edison Effect", the transmission of electric currents through space within a vacuum tube. Discussion brought forth no specific solutions, but a doubly strong one never could be just a little complacent, even if you please, how much further development of accomplishment compounded by the years that followed the foundation of the Institute of Electrical Engineers, I hold it self evident that our handsomest men do not gravitate to their place in the sun. True, the Egyptians were never given power supply were of course the larger accomplishments. Then came the railroads. ASCE was founded in 1854, just across the river and here, in its meetings, the American general feeling—the fusion with the Civils—-men of capability and devotion—men who have given of their talent and time to advance our art. And what sweeter award can there be than that of recognition by one's own working companions?

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literally astounding pace. The recently celebrated New Jersey Tercentennial threw in our faces the astounding facts concerning the migration to New Jersey of laboratories, research projects, new industries, all of which, seem to have been built around a core of electrical engineering. With its great engineering background, North Jersey easily absorbed into its community the new engineers that the new projects had attracted to New Jersey. Newark College of Engineering, Stevens, Rutgers, Princeton, and more recently Fairleigh Dickinson, have been turning out hundreds of electrical engineers annually. Time does not permit even a listing of the projects in which these engineers are engaged. Those of you who read the Section’s programs, and who attend a fraction of the meetings of our section, our groups, our chapters, know the breadth of coverage. Those wives who miss their husband’s company at the movies know even better the amount of time consumed in managing and directing the flow of information that is channeled into the intellects of the North Jersey Engineers. The problem is almost twice as great as it was a short 15 years ago — 3,000 North Jersey members then, 5,500 now.

Earlier I mentioned the erection of a living future on the living past. We are living in an Engineering Civilization; we exist in a Culture of Technology. I am provincial enough to assert that New Jersey is the Broad and Market of Engineering and Science. I congratulate our new-old Section, and its presently recognized leaders, on its well-done duties at the crossroads. I bow to Steve Mallard at the end of his completely successful administration. I swear fealty to Bernie Meyer, our new chairman — And, most of all, I give, without reservation, my full admiration and respect to the women-folk who have made possible the expenditure of time and energy which has made the Section the admirable organization it is — I thank you.

North Jersey Section Inspection Trip
Tour of Oyster Creek Nuclear Generating Station

The North Jersey Section will sponsor an inspection trip to New Jersey’s first nuclear station and one of the largest investor-owned nuclear generating plants in the nation. The plant is owned by the Jersey Central Power and Light Company, a subsidiary of General Public Utilities Corporation.

The plant is located near Barnegat Bay on a 800 acre site in Lacey Township. It lies between Route 9 on the east, the Garden State Parkway on the west, the south branch of the Forked River on the north and Oyster Creek on the south.

The cost of the plant is $68,000,000 and will employ approximately 70 persons. The rated capacity is 515,000 Kilowatts with an expected capacity of 640,000 Kilowatts.

Please plan to arrive a little early because the tour will start promptly at 10:00 A.M. and those attending are limited to males only, 16 years and older. The plant can be reached by leaving the Garden State Parkway (southbound) at exit 74, proceed to Lacey Road, turn left back over the parkway to the first traffic light which is Route 9. Turn right about two miles to plant site. Use second entrance opposite “Y” sign readable from both directions. Hard hats must be worn and utility will furnish them. It is expected that the tour will take 1½ hours.

If you plan to attend, please send in the reservation slip below.

For late reservations, telephone Carl C. Torell, 201 - 624-7500.

CARL C. TORELL
C/o Federal Pacific Electric Company
50 Paris Street
Newark, New Jersey 07101

I plan to attend the Oyster Creek plant tour Saturday, October 21st.

Besides myself, I will bring guests.

Name __________________________ Telephone Number _______________________

Address __________________________ No. Street __________ City __________________ State __________ Zip No. 

New York — Computer
Computers for Tactical Use

The progress—and lack of progress—in developing computers for tactical use by the U. S. Army will be discussed at the October 17 meeting of the N. Y. Chapter of the IEEE Computer Group.

Far fewer computers — apart from those in weapons systems — are in tactical use in the army today than were foreseen when such equipment was first introduced in 1961. Why this is so and what is happening in this important area will be discussed by Milton A. Lipton, Chief, Data Processing Branch, Communications and ADP Laboratory, U. S. Army Electronics Command, Ft. Monmouth, N. J.

The meeting will begin at 7:45 P.M. at National Cash Register, 50 Rockefeller Plaza. A pre-meeting dinner will be held at Schrafft’s restaurant, 21 W. 51st Street at 6:00 P.M. See you there.

The Newsletter, October 1967
Could you help another engineer use this instrument to solve his measurement problem?

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