

SECTION BANQUET — MARCH 8, 1978

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 last year, we are returning to the Chanticleer in Millburn. The affair is scheduled for Wednesday evening, March 8, 1978. Tickets are priced at \$20 per person and includes a complete prepaid Cocktail Hour preceeding dinner.

Reservations are required by February 22, 1978. Complete the reservation form below and include it with your payment. If any additional information is required concerning the Banquet, contact Ken Oexle at (202) 539-6111, X-488.

Use the form below for Banquet reservations enclosing a stamped self-addressed envelope. Reservations required by February 22, 1978. Mail reservation request to:

Kenneth J. Oexle
Jersey Central Power & Light Company
Madison Avenue at Punch Bowl Road
Morristown, N.J. 07960

Please forward _____ tickets at \$20 each (make checks payable to North Jersey Section IEEE) to:

NAME _____

ADDRESS _____

_____ Zip: _____

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

POLYTECHNIC INSTITUTE OF NEW YORK

ELECTRICAL ENGINEERING

Including

COMPUTER SCIENCE & ELECTROPHYSICS

SPRING 1978 GRADUATE OFFERINGS

BROOKLYN — 35 Courses

FARMINGDALE — 15 Courses

WESTCHESTER — 15 Courses

SELECTED TOPICS OF

CURRENT INDUSTRIAL INTEREST

High Voltage DC Generation & Distribution (Brooklyn)

Fundamentals of Radar (Farmingdale)

Software Engineering (Westchester)

Courses may be taken for degree credit or on a non-credit basis. Phone (212) 643-2021 or write:

Graduate Office (Rm. 314)

EE Dept., Polytechnic Inst. of N.Y.

333 Jay St., Brooklyn, N.Y. 11201

Control Systems For Munitions Production

"Control System For Munitions Manufacturing" will be discussed by Carol A. Beaulieu, US Army Armament Research and Development Command, Dover, at the January 19, 1978 meeting of the NJ Control Systems Group.

A large effort is underway at the Army Armament Research and Development Command located at the old Picatinny Arsenal, Dover, New Jersey for the modernization and expansion of the munitions production base. As part of this effort, in-house personnel will be establishing and maintaining functional guidelines for writing specifications for the control system used in the automated production of army munitions. Documentation to aid in the development, management and review of the control system engineering will be described. The methodology used to develop functional guidelines and to process control standards and requirements for interfacing hardware and software used in control systems will also be described. This work includes the establishment of operating objectives for the munitions plant, definitions of the control system objectives, determination on the process complaints, identification of sources and characteristics of dis-

turbances, and determination of dynamic characteristics of the process. The results of this work are being used in the development of automated production lines for army ammunition plants.

Mr. Carl Beaulieu is the senior project engineer in the Control Systems Support Section of the Army Armament Research and Development Command, Dover, New Jersey. This command is located at the old Picatinny Arsenal where Mr. Beaulieu began work in 1968 shortly after graduating from Newark College of Engineering with a BS degree in electrical engineering. He is registered as a professional engineer in the state of New Jersey and has made significant contributions to the field of automated manufacturing technology.

This will be the first of a sequence of technical presentations about modern controls and their applications.

Time: 7:30 PM, Thursday, January 19, 1978.

Place: Bell Labs (adjacent to reception room), Whippany Road, Whippany, New Jersey, 07981.

Further Information: Jerry Uhrig, Bell Labs, 386-6845.

Power Society Annual Dinner

This year the Power Engineering Society's Annual Dinner Meeting will be held on Thursday Evening, March 23, 1978. This year our speaker will be Mr. John Krisco of the National Park Service, who will present a talk and slide show covering the highlights of our most interesting and beautiful National Parks. Mr. Krisco has had assignments in many of the Parks he will talk about. Currently he is assigned to the Gateway National Park with headquarters at Sandy Hook.

This meeting provides an opportunity for members to meet the husbands and wives of other members; however, "come-aloners" also will have a most stimulating and convivial evening. Those attending also will be acknowledging the efforts made by our past chairman towards keeping our chapter a healthy on-going body.

For further information contact: John Langenfeld, Chairman - 753-1100; Seymour Salowe, Vice-Chairman - 465-2938; or John Baka, Secretary - 539-6111, Ext. 487.

Magnetic Alloys For Telephone Receivers

The Magnetic Chapter of the Princeton Section holds a meeting on Thursday, January 26, 1978 at Allied Chemical, Morristown. "New Ductile Cr-Co-Fe Permanent Magnet Alloys For Telephone Receiver Applications" will be discussed by G.Y. Chin of Bell Laboratories, Murray Hill.

Cr-Co-Fe permanent magnet alloys have been investigated for potential replacement of Remalloy in the U-type ring armature telephone receiver. Of particular interest would be an alloy which could be cold drawn into cup shape. Small additions of Al, V, Nb, Ti and Zr were added to the basic 28% Cr-15%Co-Fe ternary in an attempt to suppress gamma phase formation and improve cold formability. As a result of extensive investigations two Zr bearing alloys that are highly promising for fabrication as receiver magnets have been discovered.

Time: 8:15 PM, Thursday, January 26, 1978.

Place: Auditorium, Administration Building, Allied Chemical Corp., Columbia Road & Park Avenue, Morristown, New Jersey.

Trenton Computer Festival Planned

The third annual Trenton Computer Festival will be held on April 22-23, 1978. In conjunction with the Festival there will be a technical conference on consumer and personal applications of micro-computers, sponsored by the Princeton Section, IEEE and the Department of Engineering Technology, Trenton State College.

If you wish to make a technical presentation on consumer or personal applications of micro-computers, send a 1-2 page abstract to; Anthony Sholl, Western Electric Company, P.O. Box 900, Princeton, N. J. 08540. Full papers are also acceptable.

Two (2) copies of an abstract indicating the topic and scope of the presentation must be received by February 15, 1978 in order to allow time for selection and notification of presenters.

For further information contact Anthony Sholl, (609) 639-2517, or Alois Riederer, Trenton State College, (609) 771-2470.