FALL 1978
CONTINUING EDUCATION COURSES

Microprocessors and Microcomputers - limited enrollment
7 - 9 PM for 10 weeks beginning September 11, Cost: IEEE members $90, non-members $110
I.T.T. Antonios Auditorium, 500 Washington Ave.,Nutley, New Jersey

Note: To accommodate a great demand, this will be a repeat of the very successful course presented this Spring. It will cover hardware, software, and I/O interface controls. Previous knowledge of computerized technology will be helpful but is not necessary.

The time and place of the following courses will be arranged:
Reliability and Its Application - Cost $70/100
Fundamental methods and approaches for basic reliability and design considerations as well as the applications of various MIL standards.
Fiber Optic Communication - Cost $90/110
Basic of utilizing fiber optics instead of wire. Input/output circuits, techniques, and transmission characteristics will be presented.
The Design of Modern Power Distribution Systems - Cost $90/110
Types and applications of various distribution systems 3.5KV and below new trends and practices in field concepts of voltage transmission, protection from short circuits, ground faults, and over currents.
The Design of Circuits Utilizing C-MOS Technology - Cost $90/110
A relatively math-free explanation of how to design complementary metal oxide silicon (C-MOS) integrated circuits.
National Electric Safety Code and OSHA Regulations - Cost $90/110
Explanation of new revisions to the code and OSHA Regulations applicable to the safe design plant electrical systems.
In-Lab Medical Emergencies - Cost $45/55
Learn how to render first aid until medical help arrives for accidents and sudden illness.
Preparing the Technical Presentation - Cost $65/75
The use of visual techniques as an adjunct to a technical lecture: the use of slides, audio-visual, multimedia and Multicore techniques will be reviewed.
In Your Own Business in Your Future - Cost $65/75
How to organize, resources available to obtain customers, business practices, managing, and how to grow.

Please tear off and mail this form if you would like to receive an obligation outline of any course listed above. Courses will be scheduled when enrollment is completed. This form can also be used by the IEEE members in the microprocessor and microcomputer course.

☐ Please enroll me in the microprocessor and microcomputer course. My check (payable to North Jersey IEEE) is enclosed. Members, $90, non-members, $110.
☐ Please send me without obligation an outline of the following courses

NAME:

ADDRESS:

DAY/EVENING PHONE:

Mail to: Leonard Gardner, 7 Acorn Place, North Caldwell, N. J. 07006.
to be an important function of a professional organization such as AESS.

The formal announcement of the award traditionally takes place at the banquet of NAECON in Dayton, Ohio, early in May. A handsome brass bronze plaque is presented at that occasion. Naming of the award winner is the function of the Pioneer Awards Committee of AESS, currently chaired by Dr. Max T. Weis.

Nomination of names for consideration by the Pioneer Awards Committee from the membership-at-large is welcomed and solicited. Such nominations may be sent to the chairman of the committee, M. T. Weis, The Aerospace Corporation, P. O. Box 292957, Los Angeles, California 90069, telephone (213) 648-5344. Contributions by more than a single individual can be recommended for a joint award. Nominations, once received, are carried over to succeeding years for continued consideration. Nominations should be submitted on a Pioneer Award Nomination Form available by writing or calling Dr. Weis.

The guidelines followed by the Pioneer Awards Committee are that the award winner must have "contributed significantly to bringing into being systems that are in existence." Thus systems should be within the specific areas of interest of AESS, that is, aerospace or electronic systems. The contributions for which the award is given should have occurred at least 20 years prior to the year of the award; this guideline is to ensure proper historical perspective for evaluation of the contribution. It is not a condition that the award winner should have been solely or original inventor or developer of any system. "Significant contribution," of a specific nature, is the key criterion. Nationality, residence, membership in AESS, IEEE, or any other organization are not factors. All nominations must be submitted by December 1, 1978 for consideration for the 1979 award.

Happy New Year! No, our calculator calendar is not broken. In the North Jersey Section our year starts on July 1. Then we suffer from the summer doldrums for a couple months so we don't really get things cranked up until after Labor Day. Actually there is a lot of behind the scenes activity going on in the summer but the results don't become visible until September.

Your Executive Committee is planning activities for the 1978-79 season. It is too early to give you detailed information but you might be interested in some of our general plans and objectives.

We start with the premise that the section exists to serve its individual members. Let's consider some of the major services that the section provides to you.

**Communications**

There are a lot of activities, meetings, tours, etc. taking place in North Jersey that are of interest to engineers. The question is how do we get the word out to our 4500 members. The principal method is through this Newsletter which is published monthly except for June. (In June the editors are busy grading final exams for the Columbia School of Journalism.) Joe Fink's Membership Committee also helps us communicate by posting notices on company bulletin boards. If you don't see them at your company let us know.

**Education**

One of our major responsibilities is to provide educational opportunities for our members. Les Gordon heads the Education Committee and in a separate article in this Newsletter he talks about courses we are thinking about offering this year. Give him your ideas and support.

**Programs**

Ralph Hernandez will chair the Program Committee this year and we look forward to some exciting current interest programs. You may see offerings on practical solar power, home computers and energy in New Jersey as well as our always popular tours. (Ralph agreed to take over this committee just so he could be first in line to sign up for the tours.) If we get ambitious we might even try to schedule a social activity or two.

**Awards**

One of our most prestigious events is our annual awards dinner. We will have one again in March, 1979 to honor some of our more distinguished members and to inspire the rest of us. Plan ahead. Keep your social calendar clear for March until we determine the time and place.

It's going to be an active and exciting year. Keep reading the Newsletter to find out how you can participate. Don Bathe