

Scanfax

POSTMASTER:
SECOND CLASS POSTAGE
paid at Chicago, Illinois

(Publication number)
(ISSN 0018-9227)

SCANFAX, 125 S. CLARK ST., CHICAGO, IL 60603

Official Publication of the Chicago Section • Institute of Electrical & Electronics Engineers • February 1980

CALENDAR OF EVENTS

For reservations call the IEEE office at 236-4609 (unless otherwise indicated)

FEB.	5	"Failure Mechanisms in Integra. Circuits & How to Avoid Them"	Reliability Soc. (Call Ray Schirmer, 647-8800, x 2781)	Holiday Inn Algonquin Rd./Rt. 53 Rolling Meadows	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
	10	Valentine's Day Dinner/Theatre Party	Power Engrng. Soc. (j/w Fox Valley Sub.)	Drury Lane South 2500 W. 95th St. Evergreen Park	Dinner Play	5:00 PM 7:00 PM
	12	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	Brown & Root Offices 2001 Spring Rd. Oak Brook	Meeting	7:30 PM
	13	"Tunnel & Reservoir Plan (TARP)"	Power Engrng. Soc.	Stouffer's Rest. 32 E. Randolph St. 2nd Fl., Chicago	Social Lunch Meeting	11:15 AM 11:45 AM 12:30 PM
	13	"CTA Extension to O'Hare Airport"	Indus. Appls. Soc. & Indusl. Elecncs. Control Instrumen.	Nielsen's Village 7330 W. North Ave. Elmwood Park	Social Dinner Meeting	5:30 PM 6:15 PM 7:15 PM
	17-23	National Engineers' Week				
	21	"A Critical Look at the Relational Data Base Model"	Computer Soc. (Call Ralph Wallace, 647-9000)	Standard Oil Bldg. 200 E. Randolph Dr. Cafeteria, Chicago	Social Dinner Meeting	5:30 PM 6:30 PM 7:30 PM
MAR.	5	"Radio Astronomy"	Fox Valley Sub. (j/w Antennas & Propaga./MTTS)	The Tally-Ho Rest. 27W103 North Ave. Rt. 64, West Chgo.	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
	10	To be announced	Communica. Soc.			
	11	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	Brown & Root Offices 2001 Spring Rd. Oak Brook	Meeting	7:30 PM
	12	To be announced	Vehic. Tech. Grp.			
	19	"Present Trends in High Voltage DC Development"	Power Engrng. Soc.	Stouffer's Rest. 32 E. Randolph St. 2nd Fl., Chicago	Social Lunch Meeting	11:15 AM 11:45 AM 12:30 PM
	19	"Concept of Distributed Processing"	Northwest Sub. (j/w Computer Soc.)	Mr. Peters Rest. Rand Rd. (Shop. Mall) Mount Prospect	Social Dinner Meeting	6:00 PM 6:30 PM 7:30 PM

Make a Fellow of your friend. Call Ed Koncel, Chairman, Chicago Section Awards Committee at 294-3365 for information on nominating members for Fellow.

CHICAGO ENGINEERS TO AWARD ASTRONAUT ARMSTRONG

Engineer, astronaut and first man to step on the moon, Neil A. Armstrong will be honored at a banquet on February 19, 1980 in Chicago by his fellow engineers for "pre-eminent service in advancing human progress." He will receive the 57th Washington Award presented annually to an engineer by a Commission representing five national engineering societies and the Western Society of Engineers, Chicago. Other notables who have received the Award include Herbert Hoover, Orville Wright, Admiral H. G. Rickover and Dixy Lee Ray.

The presentation will be made in the Pick-Congress Hotel during National Engineers' Week (February 17-23) near the birthday of President George Washington, for which the Award was named.

Armstrong, who is now University Professor of Aerospace Engineering at the University of Cincinnati, was Spacecraft Commander for Apollo 11, the first manned lunar landing mission that landed on the moon, also Command Pilot for Gemini 8 and performed the first successful docking of two vehicles in space.

The Washington Award was proposed in 1916 by the late John W. Alvord, a past president of the Western Society of Engineers and a founder of the Chicago engineering consulting firm, Alvord, Burdick & Howson. The first Award was presented in 1919 to Herbert Hoover. Selection of the awardee is made by a 22-person Commission representing the American Society of Civil Engineers; American Institute of Mining, Metallurgical & Petroleum Engineers; American Society of Mechanical Engineers; Institute of Electrical & Electronics Engineers; National Society of Professional Engineers and the Western Society of Engineers, that administers the Award. Tickets to the banquet can be obtained from the WSE, 176 West Adams Street, Chicago 60603, 372-3760.

JOHN WATERS REPS CHICAGO SECTION AT 1979 CONFERENCE

Mr. John Waters represented the Chicago Section at the 1979 Conference on U.S. Technological Policy held recently in Washington, D.C. The theme of the Conference was "Stimulating Innovation Through U.S. Policy" and was sponsored by the Technical Activities Board and the U.S. Activities Board of the IEEE.

The IEEE seeks through this type of conference to inform and train the delegates so they can personally contact members of Congress and persuade them to support IEEE sponsored legislation. The IEEE supports these goals: 1) a lifetime engineering career with adequate compensation; 2) adequate public support for engineering in solving society's problems; 3) enhancement of the quality and influencing the quantity of engineers in the profession with due consideration for existing practitioners; 4) a positive incentive system for significant new contributions; 5) a work environment that provides a positive incentive and the opportunity to maintain technical proficiency; 6) peer recognition for the complete spectrum of professional contributions; 7) enhancement of the continued technical preeminence of IEEE.

SCANFAX. (Publication number) (ISSN 0018-9227), February 1980 Volume 32, Number 6, SCANFAX is published monthly, except July and August by the Chicago Section, Institute of Electrical and Electronics Engineers for the information of its members. Business Office is at 125 S. Clark St., Chicago, Illinois 60603, telephone number (312) 236-4609. Subscription rate for IEEE members collected in dues, \$1.50; for others, \$3.00 per year. Second-class postage paid at Chicago, Illinois.

Unless otherwise specified, Chicago Section IEEE neither endorses nor sanctions any positions or actions espoused in SCANFAX.

John Tyner, Editor
Electrical Energy Management
(312) 469-5534

Tom Traub, Managing Editor
Commonwealth Edison Company
(312) 294-2703

Eleanore Burda, Copy Manager
IEEE Office
(312) 236-4609

Change of Address

A change of address form is included in each issue of SPECTRUM. Your local post office will also supply you with cards; mail to Roseann Schulz, Member Services, IEEE Service Center, 445 Hoes Lane, Piscataway, N.J. 08854. Include your SPECTRUM mailing label if possible. We cannot forward this information for you, so please do not send it to the local office.



Congressman Wm. Brodhead (l), Michigan greets John Waters, Past Chairman, Chicago Section, holding IEEE's Congressional information packet.

(cont.)

Professional Activity

UPDATE

PAC Financial Distress

An Open Letter to the IEEE U.S. Activity Board:

The Chicago Section Professional Activity Committee (PAC) budget for 1980, submitted to Region IV PAC has not been approved. The Chicago Section membership's \$10.00 assessment for PAC sends approximately \$50,000.00 to headquarters each year. Still a Chicago Section budget for \$1,608.00, obviously not extravagant, submitted on 10/29/79 was not decided on before the new year started.

Approximately \$1/2 million/year goes to the IEEE Washington office. Where is the money for Professional Activity for the membership in Chicago? What does USAB really do at the grass roots?

Chicago Section PAC Committee

Here is your chance to speak out on this issue. Write to: Professional Activity Update, c/o Scanfax, 125 South Clark Street, Room 1545, Chicago, Illinois 60603.

CHICAGO SECTION OFFICER/EXECUTIVE COMMITTEE NOMINATIONS FOR 1980-81

Nominations for IEEE Chicago Section Officers and Executive Committee members for the 1980-81 term are: OFFICERS — Chairman, Paul Geiger; Vice Chairman, Howard Wolfman; Treasurer, Dennis Lamont; Secretary, William Everson. EXECUTIVE COMMITTEE — Michael Barnes; Charles Borchert; Bert Orszula; Robert Scheman; John Tyner; Robert Waghorne, John Waters.

ELECTRI '80 TO BE HELD AT McCORMICK PLACE ON MARCH 11-13

Sponsored by the Electric Association, Electri '80 is an exciting stage on which major electrical products are exhibited. The show, held every three years, will draw over 10,000 visitors from a wide circle around Chicago. Electri '80 will be held at McCormick Place on March 11-13. Hours are 2 to 9 PM daily.

Free admission to members of the electrical industry to over 300 colorful and informative exhibits of all that's new in electrical equipment: lighting, power supplies, construction materials, tools, electric heating and cooling, control, and power distribution apparatus.

An open invitation is extended to members of the Chicago and Calumet Sections of the IEEE. Pre-registration tickets, in any quantity, are available by calling the Electric Association on 236-4609.

FEBRUARY 17-23 OBSERVANCE OF NATIONAL ENGINEERS' WEEK

This year's observance of National Engineers' Week will be held on February 17-23; its theme is "Engineers . . . Our Renewable Resources." The purpose of NEW is to familiarize the public with the work of engineers and to honor outstanding members of the profession. The week of Washington's birthday is traditionally the week of observance because the nation's first president had the educational background of a civil engineer in the 18th century.

In addition, the IEEE would like to see a change in the public perspective of the engineering profession as a whole. The rapid change in social standards have to a large extent been influenced by scientific developments and since some of these changes create emotional wrenches to large segments of society, the public often finds it easy to blame the engineers and scientists for the way these changes affect their lives.

The news media tends to support this impression by a prejudicial perspective in reporting stories like Three Mile Island and the loss of a communication satellite. We seldom read complimentary articles about complex engineering feats that succeed without serious problems; yet we all know the intelligent effort that is required to make these projects successful.

The United States engineers have lead the world in basic research, yet we find other countries like Japan benefiting from our research, have implemented the ideas in innovative ways to improve productivity and compete with our own basic industries in a devastating manner. It is not the intent of the USAB to foster an adversary relationship and create further divisiveness by increased legislation, but rather to build a cooperative attitude between the engineering profession and government so that a balanced perspective is given to the difficult technical problems we will face in coming years.

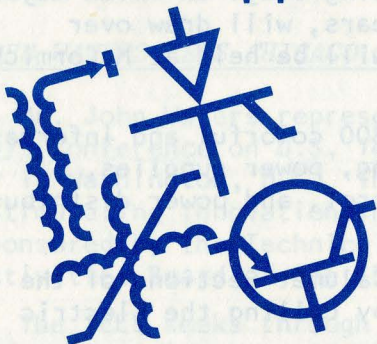
Thomas Dunsheath, Director, Northwest Technical Center Inc., Glenview, Illinois announced an expanded series of adult professional courses and workshops in Microprocessor Technology, starting in mid March. Customized in-plant seminars and training courses for technical personnel are also available. The firm is a consulting engineering organization, specializing in microcomputer and interface design applications.

Mr. Dunsheath, PE, is a 30-year IEEE member.

For a brochure, phone Tom at 724-8536 after January 28.

-adv-

CHRISTIE High Current DC Power Supplies



Symbolic of time-tested reliability.

- DC current from 40 to 1500 amps
 - Voltages to 280 VDC
- Write for latest detailed catalog or call toll free for application assistance.

SINCE 1929
CHRISTIE
ELECTRIC CORP.

3410J WEST 67TH STREET
LOS ANGELES, CALIFORNIA 90043
(213) 750-1151
TWX 910-321-3867
(800) 421-2058

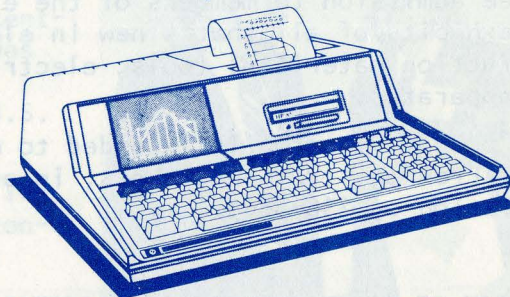
1929-1979

50
YEARS
THE SOURCE

INTRODUCING THE HP-85!

The Personal Computer for Professionals

Hewlett-Packard's HP-85 is a powerful BASIC language Computer complete with keyboard, CRT display, printer, and tape drive—all in one compact unit.



► 10% off HP Series E Calculator & Free Applications Book



ALSO:

FULL LINE OF HEWLETT-PACKARD CALCULATORS



**FARNSWORTH
COMPUTER CENTER**

1891 N. FARNSWORTH AVE.

(at the E-W Tollway)

AURORA, IL. 60505

312-851-3888

—Adv—

—Adv—