



Scanfax

POSTMASTER:
SECOND CLASS POSTAGE
paid at Chicago, Illinois

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

Official Publication of the Chicago Section • Institute of Electrical & Electronics Engineers • September 1978

CALENDAR OF EVENTS

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

SEPT. 6	Two part meeting — "The Engineer & the Law" & cand. for Reg. IV Direc.	Chicago Section j/w Fox Valley & NW Subsections	Nielsen's Village 7330 W. North Ave. Elmwood Park	Cockt. 5:30 PM Dinner 6:15 PM Meeting 7:15 PM
12	Monthly Meeting — ALL WELCOME	IEEE Exec. Cte.	Brown & Root Offices 2001 Spring Rd. Oak Brook	Meeting 7:30 PM
13	"Tolerable Damage Levels"	IAS/IECI	Nielsen's Village 7330 W. North Ave. Elmwood Park	Cockt. 5:30 PM Dinner 6:15 PM Meeting 7:15 PM
27	"Environmental Effects of HV Transmission"	PES	Stouffer's Rest. 32 E. Randolph St. Chicago	Cockt. 11:15 AM Lunch 11:45 AM Program follows
OCT. 10	Monthly Meeting — ALL WELCOME	IEEE Exec. Cte.	Brown & Root Offices 2001 Spring Rd. Oak Brook	Meeting 7:30 PM
11	"Vacuum Break Switchgear"	IAS/IECI j/w PES	Nielsen's Village 7330 W. North Ave. Elmwood Park	Cockt. 5:30 PM Dinner 6:15 PM Meeting 7:15 PM
17	"Space Shuttle Program"	APS/MTTS	Black Steer Rest. 6446 W. North Ave. Chicago	Cockt. 5:30 PM Dinner 6:30 PM Meeting 7:30 PM

JOHN WATERS ELECTED CHICAGO SECTION CHAIRMAN

The Chicago Section of the Institute of Electrical and Electronics Engineers has elected John Waters as 1978-79 Chairman.

John is a Sales Engineer for the Bussmann Division of McGraw-Edison Company and is known to many people in the electrical contracting and consulting engineering profession in the Chicago area. He is also an active member of the Western Society of Engineers, the International Association of Electrical Inspectors and the Association of Iron and Steel Engineers.

AIRMAN OF PROFESSIONAL ACTIVITIES COMMITTEE APPOINTED

The Executive Committee of the Chicago Section is happy to announce that Paul Jahn, Past Chairman of the Section has agreed to serve as Chairman of the Professional Activities Committee. His extensive experience in the IEEE will be of extreme benefit. Paul is Superintendent at the Commonwealth Edison Company Waukegan Station located at Greenwood Avenue at Lake Michigan (60085). His phone number is (312) 662-6201, extension 212.

CHICAGO SECTION PRESENTING TWO PART MEETING

The Chicago Section, joint with the Fox Valley and Northwest Subsections will have a two part meeting on Wednesday — September 6, 1978. Guest speaker will be Anthony Zummer who will discuss "The Engineer and the Law." The personal liability of an Engineer in the design of equipment of all types will be discussed as will reviewing the development of the law of product liability and how the law has gone through a change in the past forty years. He will also discuss January 1978 changes in the copyright laws. Specific cases will be presented.

Tony is in business for himself as a Patent Attorney. He holds a BSME, JD and Master of Patent Law. He is a member of the Bar of the U.S. Supreme Court, State of Illinois and the District of Columbia and is a Registered Professional Engineer in Illinois and the District of Columbia.

As an added attraction for the first time in the Chicago Section, candidates for the IEEE Region IV Directorship will be presented. Each candidate will give a brief position statement followed by a question and answer period from the floor. The candidates are Dr. Martin P. Ristenbatt, Professor Benjamin J. Leon and Mr. Peter A. E. Rusche.

Nielsen's Village located at 7330 West North Avenue in Elmwood Park is the meeting locale. Social hour will begin at 5:30 PM, dinner 6:15 PM and the meeting at 7:15 PM; cost is \$8.00. Those who come for dinner receive complimentary refreshments. Call the IEEE office at 236-4609 for reservations.

A "FIRST" FOR THE POWER ENGINEERING SOCIETY

For the first time, the Chicago Chapter of the Power Engineering Society is presenting a tutorial. The subject, "Application of Power Circuit Breakers" will be held at the National Accelerator Laboratory auditorium in Batavia on Saturday — October 14, 1978. Registration will be held at 8:00 AM in the Curia II Conference Room. Opening remarks will be given by the Chairman of the Power Engineering Society, Chicago Chapter, Dave Schroeder of Sargent & Lundy at 8:30 AM. At 8:45 AM — "History of Standards" by C. A. Hatstat, Associate, Sargent & Lundy; 9:15 AM — "Symmetrical vs. Total Current Rating of Circuit Breakers" by T. M. McCauley, Supervisor, Power System Studies, Sargent & Lundy. Break at 9:45 AM followed at 10:00 AM — "Continuation of Symmetrical vs. Total Current Rating of Circuit Breakers" by T. M. McCauley; 11:30 AM — "Overload Current Ratings in the Application of Circuit Breakers" by R. C. Newsome, Fellow Engineer, Westinghouse Electric Corporation.

A buffet luncheon will be served at 12 noon at reserved tables in the Fermilab Cafeteria followed by an optional one hour tour of the lab. Mr. Phillip Livdahl, Associate Director will join in the tour. At 1:45 PM or 2:00 PM — "Transient Recovery Voltages" by P. J. Donalek, Head, Electrical Systems Planning Department, Harza Engineering Company; 2:30 PM — "Capacitive Switching" by Charles J. Truax, Senior Application Engineer, Electric Utility Engineering Department, General Electric Company (Schenectady, New York). Break at 3:00 PM followed at 3:15 PM — "Insulation Considerations" by A. E. Stringfellow, Manager, Materials Department, R&D Division, Electrical Systems Group, Gould, Inc. (Colmar, Pennsylvania); 4:00 PM — "Test Procedures" by E. F. Veverka, Manager, Apparatus Development, Thomas A. Edison Technical Center, McGraw-Edison Company, Power Systems Division (Franksville, Wisconsin); 4:45 PM — close.

Contact Hank McGreer (855-7503) for further details. Since attendance is not limited to IEEE members, please encourage anyone who is interested to attend.

SCANFAX, Sept. 1978 — Volume 31 Number 1, SCANFAX is published monthly, except July and August by the Chicago Section, Institute of Electrical and Electronical 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.

Tom Traub, Managing Editor
Commonwealth Edison Company
(312) 294-2703
Ed Osterberg, Editor
Illinois Bell Telephone Company
(312) 727-5405
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.

EXECUTIVE COMMITTEE HOSTS CORPORATE BRIEFING

The Executive Committee of the IEEE hosted a Corporate Briefing for industry and academic representatives on July 7, 1978 at the Hyatt Regency O'Hare Hotel. The purpose of this meeting was to acquaint the representatives with the objectives of the Professional Activities Committee of the IEEE.

The speaker was Dr. Ivan Getting, President of the IEEE. Dr. Jerome Suran, Vice President of Educational Activities (*pictured at right*), was also in attendance at the evening meeting where the members of the Chicago Section Executive Board were brought up-to-date on the efforts of the U.S. Activities Board. Dr. Suran is one of the candidates for President of the IEEE.



IEEE IMPLEMENTING ENFORCEMENT OF CODE OF ETHICS

The Board of Directors of the IEEE at a recent meeting took action to implement enforcement of its code of ethics and authorized establishment of a United States Activities Board Committee on Telecommunications Policy. The ethics action consists of the appointment of a panel of 34 individuals from which will be drawn hearing boards consisting of 5 to 9 persons to consider individual complaints.

Last February, the Institute's Board of Directors announced that policies and procedures have been adopted either to censure members for violations of the IEEE code of ethics, constitution or bylaws, or to protect members who may have jeopardized their employment by adhering to such principles. This was done through an amendment of Bylaw 112 and culminated several years of efforts by the U. S. Activities Board of the Institute.

In the field of telecommunications policy, the new IEEE committee will be supported jointly by the U. S. Activities Board and the Technical Activities Board.

IEEE has many members and groups concerned with the field of telecommunications and hopes that its new effort will result in position papers, factual technical and engineering analyses of major issues and prompt response to opportunities to contribute to currently proposed legislation or develop the engineering rationale for new legislation dealing with telecommunications.

The IEEE will augment its interest in the appointment of qualified professionals to senior level Federal policy-making or regulatory positions, the establishment of an engineering and scientific awareness in departments and agencies, and provide prompt responses to inquiries.

Practical & Economical
Evening & Saturday courses
in

MICROPROCESSOR TECHNOLOGY

At various levels for the

Engineer Technician

Programmer Businessman

Manager Executive

Starting SEPTEMBER 12
and
OCTOBER 30

For our brochure, call

Tom Dunsheath, 724-8536

or write:

Northwest Technical
Center, Inc.

1155 Waukegan Road

P. O. Box 200

Glenview, Illinois 60025



"THE PERSONAL COMPUTER STORE"

HRS: 11-9 MON, WED, THU, FRI
4-9 TUES
11-6 SAT
CLOSED SUN

1612 E. Algonquin Road
Schaumburg, Illinois 60195
Phone: (312) 397-8700

1978-79 IEEE CHICAGO SECTION ORGANIZATION

Office Phone (312) 236-4609

Address: 125 S. Clark St., Rm. 1545, Chicago, Ill. 60603

SECTION OFFICERS

Chairman

John Waters
Bussmann Mfg. Div.
50 W. Lake St.
Northlake, Ill. 60164
Ofc. (312) 562-3370
Res. (312) 392-2733

Vice Chairman

Chas. Hatstat (25D21)
Sargent & Lundy
55 E. Monroe St.
Chicago, Ill. 60603
Ofc. (312) 269-2073
Res. (312) 422-1693

Treasurer

Paul Geiger
Allen-Bradley Co.
838 S. Desplaines St.
Chicago, Ill. 60607
Ofc. (312) 922-9302
Res. (312) 965-4053

Secretary

George Kraft, PhD.
Bell Tele. Labs., Inc.
Naperville &
Warrenville Rds.
Naperville, Ill. 60540
Ofc. (312) 690-2421
Res. (312) 355-3190

EXECUTIVE COMMITTEE

Chairman

Conference Cte.
Howard Wolfman
Teletype Corp.
5555 W. Touhy Ave.
Skokie, Ill. 60076
Ofc. (312) 982-2240
Res. (312) 564-1771

Chairman

Finance Cte.
George Austin (38FNW)
Commonwealth Edison Co.
One First Natl. Plaza
Chicago, Ill. 60690
Ofc. (312) 294-2872
Res. (312) 898-6279

Chairman

Member Services Cte.
Charles Borchert
Bell Tele. Labs., Inc.
Naperville &
Warrenville Rds.
Naperville, Ill. 60540
Ofc. (312) 690-3624
Res. (312) 469-2733

Chairman

Program Cte.
Dennis Lamont
Weldy-Lamont Assoc., Inc.
1008 E. Northwest Hwy.
Mt. Prospect, Ill. 60056
Ofc. (312) 398-4510

Chairman

Publication Cte.
Thomas Traub (Rm. 836)
Commonwealth Edison Co.
125 S. Clark St.
Chicago, Ill. 60603
Ofc. (312) 294-2703
Res. (312) 423-1615

Chairman

Special Events Cte.
Wm. Everson (Rm. 836)
Commonwealth Edison Co.
P. O. Box 767
Chicago, Ill. 60690
Ofc. (312) 294-2719
Res. (312) 833-4230

Chairman

Student Activi. Cte.
Michael Barnes (2912)
Motorola, Inc.
1301 E. Algonquin Rd.
Schaumburg, Ill. 60196
Ofc. (312) 576-2440
Res. (312) 882-4324

Past Chairman

Robert Waghorne (2198)
Teletype Corp.
5555 W. Touhy Ave.
Skokie, Ill. 60076
Ofc. (312) 982-3306
Res. (312) 729-6469

APPOINTED CTE. MBR.

Chairman

Awards Cte.
Ed Koncel (Rm. 1005)
Commonwealth Edison Co.
72 W. Adams St.
Chicago, Ill. 60690
Ofc. (312) 294-3365

APPOINTED CTE. MBR.

Delegate, Chicago

Tech. Soc. Council
Dr. John J. J. Staunton
The Perkin-Elmer Corp.
2000 York Rd.
Oak Brook, Ill. 60521
Ofc. (312) 887-0770

SUBSECTION OFFICER

Chairman

Fox Valley Subsection
Chas. Brigham (Rm. 25A)
Ill. Bell Tele. Co.
225 W. Randolph St.
Chicago, Ill. 60606
Ofc. (312) 727-4852
Res. (312) 833-4230

SUBSECTION OFFICER

Chairman

Northwest Subsection
Robert Scheman (22W)
A T & T Long Lines
10 S. Canal St.
Chicago, Ill. 60606
Ofc. (312) 855-8696
Res. (312) 437-5417

GROUP/SOCIETY OFFICERS

G2 Consumer Elec'n's

Anthony Troiano
Zenith Radio Corp.
1000 Milwaukee Ave.
Glenview, Ill. 60025
Ofc. (312) 391-8582

S3/17 Antennas & Prop./

Micro. Theory & Tech.
Dan Schmidt
Andrew Corp.
10500 W. 153rd St.
Orland Park, Ill. 60462
Ofc. (312) 349-3300, x496

G6 Vehicular Tech.

John Zinkus (Rm. 411)
Federal Comms. Comm.
1550 Northwest Hwy.
Park Ridge, Ill. 60068
Ofc. (312) 298-7345

G7 Reliability

Henry Malec (460-A6)
GTE Auto. Elec. Labs.
400 N. Wolf Rd.
Northlake, Ill. 60164
Ofc. (312) 681-7100
x 4511

G13/34 Indus. Appls. Soc.

& Indus'l Electronics
Control Instrumenta.
Norbert Orszula (25H26)
Sargent & Lundy
55 E. Monroe St.
Chicago, Ill. 60603
Ofc. (312) 269-2094
Res. (312) 629-3184

S16 Computer

Wing Huen
Bell Tele. Labs., Inc.
Naperville &
Warrenville Rds.
Naperville, Ill. 60540
Ofc. (312) 690-5217
Res. (312) 960-3581

S19 Communication

Bernard Pepping
Wescom Switching, Inc.
Box 1458
D'nrs Grove, Ill. 60515
Ofc. (312) 963-3300
x 228

S31 Power Engineering

Dave Schroeder
Sargent & Lundy
55 E. Monroe St.
Chicago, Ill. 60603
Ofc. (312) 269-2201
Res. (312) 837-5123