



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 • April 1979

CALENDAR OF EVENTS

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

COPY DEADLINE: FIRST OF THE MONTH

APR. 4	"Amateur Radio Communication via Satellite"	Fox Valley Sub. (j/w Antennas & Propaga. Soc.)	The Tally-Ho Rest. 27W103 North Ave. West Chicago	Dinner Meeting	7:00 PM 8:00 PM
10	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	Brown & Root Offices 2001 Spring Rd. Oak Brook	Meeting	7:30 PM
11	"Programmable Controllers"	Indus. Appls. Soc. & Indus'l Electronics Control Instrumenta.	Nielsen's Village 7330 W. North Ave. Elmwood Park	Social Dinner Meeting	5:30 PM 6:15 PM 7:15 PM
18	"Underground Pump Storage"	Power Engrng. Soc.	Stouffer's Rest. 32 E. Randolph St. 2nd Fl., Chicago	Social Lunch Program follows	11:15 AM 11:45 AM
24-26	BEA-CON Conference and Exhibits	Byron Ellis Assoc.	Sheraton-North Shore Inn, 933 Skokie Blvd. Northbrook	Equip. Exhibit Tech. Program	9-7 10-5 (Call BEA 298-7626)
28	Achievement and Recognition Dinner	IEEE Chicago Sec.	Ramada-The O'Hare Inn 6600 Mannheim Rd. Rosemont	Social Dinner	6:00 PM 8:00 PM
MAY ?	Tour - Sears Tower and 138 KV Substation	Power Engrng. Soc.	Wacker Dr. and Franklin St. Chicago	(Call Ken Rooney 294-8293)	
2	"UAV Bulk Power Transmission"	Fox Valley Sub.	The Tally-Ho Rest. 27W103 North Ave. West Chicago	Dinner Meeting	7:00 PM 8:00 PM
5	Seminar	Indus. Appls. Soc. & Indus'l Electronics Control Instrumenta.	Fermilab Kirk Rd. and Pine Batavia	8:00 AM - 4:15 PM	(Call George Thomas 963-7070)
8	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	Brown & Root Offices 2001 Spring Rd. Oak Brook	Meeting	7:30 PM
9	"Solid State Controls"	Indus. Appls. Soc. & Indus'l Electronics Control Instrumenta.	Nielsen's Village 7330 W. North Ave. Elmwood Park	Social Dinner Meeting	5:30 PM 6:15 PM 7:15 PM
12	MAC '79 (Midwest Acoustics Conference)	(See article on page 2)	Norris Center Northwestern Univ. Evanston	9:00 AM - 5:30 PM	(Call Bill Bevan 866-2364)
16	"Optomizing Time Delay and Control Relay Performance"	Northwest Sub.	7 Stars Rest. 111 E. Higgins Rd. Elk Grove Village	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
16	"System Analysis for ICM Complex"	Reliability Grp.	Holiday Inn Algonquin Rd/Rt 53 Rolling Meadows	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM

"DIGITAL TECHNOLOGY: IMPACT ON RECORDED SOUND" MAC '79 TOPIC

Continuing in its tradition of introducing state-of-the-art topics in audio and acoustics, the topic for the 1979 Midwest Acoustics Conference (MAC) will be "Digital Technology: Impact on Recorded Sound." The Conference will be held on Saturday - May 12, 1979 at the Norris Center, Northwestern University in Evanston from 9:00 AM to 5:30 PM. Featured will be speakers from the recording industry as well as researchers and manufacturers of digital recording and sound synthesis equipment.

Topics to be discussed will include: Principles and Potential of Digital Recording; Principles and Potential of Digital Synthesis; Professional Digital Recorders; Format Compatability Problems and Cures; Consumer Digital Players and Recorders; Digital Editing and Production Equipment; Digital Synthesis Equipment; Impact of Digital Recording on the Recording Industry. Several manufacturers engaged in the digital recording field have committed themselves to set up exhibits and demonstrations of their products, both during the formal presentations and in the exhibit rooms of the Conference.

MAC is an annual meeting sponsored by the Midwest Section of the Audio Engineering Society, the Chicago Regional Chapter of the Acoustical Society of America, the Chicago Section of the IEEE, the Chicago Acoustical and Audio Group, and Northwestern University.

For additional information on the Conference, or as a potential exhibitor, contact: William R. Bevan, Shure Brothers, Inc., 222 Hartrey Avenue, Evanston 60204, 866-2364.

1979-80 ELECTION OF COMMUNICATIONS SOCIETY OFFICERS

Election of officers for the Communications Society, Chicago Chapter (S-19) for the 1979-80 term is being held. Please mark your choices on the ballot below. If you wish to vote for another member, please write the name in the space provided and check the box. Nominees are:

OFFICERS

Chairman

☐ John E. Waninski, Jr.
Bell Telephone Laboratories ☐ _____
(write-in)

Vice Chairman

☐ Allan Kaphengst
GTE Automatic Electric Laboratories ☐ _____
(write-in)

Secretary

☐ George Young
Illinois Bell Telephone Company ☐ _____
(write-in)

Mail the ballot to: Bernard Pepping, IEEE Office, 125 South Clark Street, Room 1545, Chicago, Illinois 60603. Ballots must be received no later than May 10, 1979. Results will be announced in the June issue of Scanfax.

SCANFAX, (Publication number) (ISSN 0018-9227), April 1979 - Volume 31, Number 7, 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.

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.



Byron Ellis associates
invite you to attend
BEA-CON

Conference & Exhibits

MIDWEST TECHNOLOGY EXCHANGE

^{only}
The **best** show of its type in the Midwest - with displays of equipment and supplies in the field of ---

* Vacuum and Thin Film

* Electro-Optics

* Analytical Instruments

* Thick Film

when: April 24 - 25 - 26, 1979 (Tues. - Wed. - Thurs.)
Equipment Exhibit 9 - 7 Daily
Technical Program 10 - 5 Daily

where: Sheraton-North Shore Inn
933 Skokie Blvd.
(Junction of I-94 & Dundee Road - ILL. #68)
Northbrook, Illinois

Tuesday (24th) and Wednesday (25th)
BEA-CON Open House & Happy Hour
5 P.M. - 8 P.M. each evening

RESERVE THESE DATES - PLAN TO ATTEND

For more information, Call BEA (312) 298-7626

IAS/IECI SEMINAR ON MAY 5

The Industrial Applications Society/Industrial Electronics Control Instrumentation is conducting a seminar on Saturday, May 5, 1979 at Fermilab in Batavia.

Coverage will include:

- a) Basic terms and definitions;
- b) Measurement of pressure, level, flow and temperature;
- c) Maintenance and trouble shooting.

There will be a panel discussion involving all speakers taking questions from the audience.

A tour of the Fermi facilities will be a high point of the session.

Registration will be held at 8:00 AM. The seminar will close at 4:15 PM.

Charges will be \$40.00 for students, \$45.00 for IEEE members and \$50.00 for non-members.

A complete text of subject matter will be given to each attendee.

Notices on the seminar are being mailed.

For details contact:

George Thomas
312: 963-7070



Your Personal Computer Store
Specialists in Computer
Hardware/Software, Supplies,
Service, Books*, and Magazines* for
the Professional and the Hobbyist.

*The greatest selection for computers in the Chicago Metro Area
HOURS: Daily 11 A.M. to 9 P.M. (except Tuesday 4 to 9 P.M.)
Saturday 11 A.M. to 6 P.M. Closed on Sunday.

1612 E. Algonquin Rd. / Plaza de las Flores / Schaumburg, IL 60195 / (312) 397-8700

1979 IEEE ACHIEVEMENT RECOGNITION DINNER

Where can you get a steak dinner, hors d'oeuvres, two cocktails, entertainment and dancing for \$35.00 per couple? Why, at the IEEE Achievement Recognition Dinner which will be held on Saturday - April 28, 1979 in the Grand Ballroom of Ramada-The O'Hare Inn, Rosemont. A fun-filled evening has been planned with The Sunshine Express, a fine singing group, comedian Stu Allen, whose style is similar to Bob Hope and The Sounds of Now will provide music for dancing.

Recipients of the 1979 IEEE Fellow Awards are Stanley Anderson, Werner Ulrich and Sam Kaplan. The Fellow Award is the highest award offered by the IEEE and is awarded only to engineers who have proven excellence in their respective fields. Join us that night in honoring these outstanding men.

1979 Achievement Recognition Dinner Committee members are: Chairman Ray Hayden, Hayden Sales; Vice Chairman Bob Rockwell, Zenith Radio Corporation; Secretary Bernard Kuhse, Shigma, Inc.; Treasurer Joseph Puca, Northrop Corporation; Publicity Bill Wilse, Allen-Bradley Company; Program Dave Egan, Shigma, Inc.; Arrangements Bob Warzin, Allen-Bradley Company; Tickets Dan Pittenger, Zenith Radio Corporation. Members of the Solicitation Committee are: Chairman Frank Voltaggio, Northrop Corporation; John Volpe, Pacific Indicator Company; Tony Susic, Zenith Radio Corporation; Howard Wolfman, Teletype Corporation.

Every member of the Chicago Section should make an effort to attend this top social event of the year. Tickets will be limited so make your reservations early. Return the form below with your check made payable to the IEEE Chicago Section.

Date: Saturday - April 28, 1979
Time: 6:00 P.M. (cocktails) - 7:00 P.M. (dinner)
Place: Ramada-The O'Hare Inn - Grand Ballroom
Mannheim & Higgins Rds. - Rosemont
Entertainment:
The Sunshine Express - Singing Group
Stu Allen - Comedian
The Sounds of Now - Orchestra
Fellow Award Recipients:
Stanley Anderson Werner Ulrich Sam Kaplan

Mail reservation to: Dan Pittenger - Zenith Radio Corporation
1000 Milwaukee Road, Glenview 60025
(312) 391-7522

Enclosed is a check in the amount of \$ _____ covering _____ tickets at \$17.50 each (\$35.00 per couple) for the 1979 Achievement Recognition Dinner.

NAME _____

FIRM _____

ADDRESS _____ PHONE _____

CITY, STATE _____ ZIP _____

Make checks payable to the IEEE Chicago Section