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CALENDAR OF EVENTS

For reservations call the IEEE office at 236-4609 (unless otherwise indicated).
Mark your Scanfax calendar. Copy deadline: First day of the month.

February

- 1 "Automatic Spectrum Analyzer Systems/Measurements," VT Grp. — Maitre D' Rest., 111 E. Higgins Rd., Elk Grove Village; dinner 7:00 PM, meeting 8:00 to 10:00 PM. For reservations, call the VTG meeting coordinator at 576-6567.
- 8 "Alternate Energy Sources," IAS/IECI — Nielsen's Village, 7330 W. North Ave., Elmwood Park; cocktails 5:30 PM, dinner 6:15 PM, meeting 7:15 PM.
- 12 Theatre-Dinner Party. Fox V. Sub. (j w/PES) — Pheasant Run Playhouse, St. Charles; dinner 5:30 PM, show 7:30 PM.
- 14 "Affects of Solar Induced Currents on Man-made Systems in Boreal Canadian Regions," APS/MTTG — Black Steer Rest., 6446 W. North Ave., Chicago; social hour 6:00 PM, dinner 7:00 PM, program 8:00 PM.
- 14 IEEE Executive Committee — Brown & Root offices, 2001 Spring Rd., Oak Brook; 7:30 PM. Monthly meeting — ALL WELCOME.
- 22 "Time of Day Pricing," PES — Stouffer's Rest., 32 E. Randolph St., Chicago; cocktails 11:15 AM, lunch 11:45 AM, program follows.
- 27 "Mechanical Reliability," Relia. Grp. — Como Inn, 546 N. Milwaukee Ave., Chicago; cocktails 5:30 PM, dinner 6:30 PM, meeting 7:30 PM.

March

- 1 "High Capacity Mobile Telephone," Fox V. Sub. (j w/Comms. Soc. & VT Grp.) — The Back Door, 30W150 Roosevelt Rd., West Chicago; dinner 7:00 PM, meeting 8:00 PM.
- 8 "Why or Why Not Buy from Lowest Bidder?" IAS/IECI — Nielsen's Village, 7330 W. North Ave., Elmwood Park; cocktails 5:30 PM, dinner 6:15 PM; meeting 7:15 PM.
- 14 IEEE Executive Committee — Brown & Root offices, 2001 Spring Rd., Oak Brook; 7:30 PM. Monthly meeting — ALL WELCOME.
- 15 "Electric Vehicles," PES — Stouffer's Rest., 32 E. Randolph St., Chicago; cocktails 11:15 AM, lunch 11:45 AM, program follows.
- 21 Program to be announced. APS/MTTG — Black Steer Rest., 6446 W. North Ave., Chicago; social 6:00 PM, dinner 7:00 PM, meeting 8:00 PM.
- 27 "Automatic Instrumentation," NW Sub. — Maitre D' Rest., 111 E. Higgins Rd., Elk Grove Village; social hour 6:00 PM, dinner 7:00 PM, meeting 8:00 PM.

28TH ANNUAL NATIONAL ENGINEERS' WEEK

"Engineers . . . Strength in Crisis" is the theme for this year's observance of National Engineers' Week to be held on February 19-25.

The National Society of Professional Engineers sponsors National Engineers' Week. The purpose of the Week 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.

MEMBERS HONORED BY ETA KAPPA NU

Eta Kappa Nu, the electrical engineering honor society, has selected John G. N. Henderson as the Outstanding Young Electrical Engineer in the United States for 1977. The Jury of Award also selected David P. Siewiorek for Honorable Mention. The presentations were made at the 42nd Annual Award Dinner on January 30, 1978 at the Statler Hilton Hotel in New York.

Mr. Henderson is a member of the technical staff at RCA Laboratories in Princeton, New Jersey. He was honored for contributions to the advancement of television technology and for his participation in civic and cultural affairs.

Dr. Siewiorek, associate professor of computer science and electrical engineering at Carnegie-Mellon University, has been active in introducing numerous courses. Under his leadership, a Computer Modules Project, for which he has been the principal investigator, has been renewed four times by NSF. He also participated in the organization of a research group in Computer Structures and Systems at the university.

MIDWEST ACOUSTICS CONFERENCE

The Midwest Acoustics Conference (MAC), will hold its 12th annual conference on Saturday - April 8, 1978 from 9:00 AM to 5:30 PM at the Norris Center, Northwestern University in Evanston, Illinois.

Prominent speakers will present papers on microphones, phonograph cartridges, headphones and loudspeakers, placing particular emphasis on principles, use, modern construction and design techniques. Exhibitors will present related products. Speakers are: Benjamin Bauer, CBS-Technology Center; Paul Milner, Consultant (Sharon, Mass.); Robert Ramsey, Electro-Voice Inc.; Frank Karlov, Shure Brothers Inc.; Richard Campbell, Bang-Campbell Associates; John Gilliom, Consultant (Meridian, Miss.).

For conference information contact: Robert W. Krueger, Headquarters Building (24C), 225 West Randolph Street, Chicago 60606 (727-3840) and for exhibit information contact: David S. Goldsmith, 8359 South Crandon Avenue, Chicago 60617 (731-1388).

"AUTOMATIC INSTRUMENTATION" AT NW SUB MEETING

The Northwest Subsection will have as their speaker, Mark Tolliver of the Hewlett-Packard Corporation, located in Rolling Meadows, on Wednesday - March 22, 1978. The meeting will be held at the Maitre D' Restaurant, 111 East Higgins Road in Elk Grove Village. Social hour will be 6:00 PM, dinner 7:00 PM and meeting 8:00 PM. Call the IEEE office at 236-4609 for reservations.

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Ed Osterberg, Managing Editor
Illinois Bell Telephone Company
(312) 727-5405
Tom Traub, Editor
Commonwealth Edison Company
(312) 294-2703
Eleanore Burda, Copy Manager
IEEE Office
(312) 236-4609

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MIDWEST ACOUSTICS CONFERENCE

SATURDAY — APRIL 8, 1978

9:00 A.M. — 5:30 P.M.

NORRIS CENTER — NORTHWESTERN UNIVERSITY — EVANSTON

PROGRAM TITLE: Audio Transducers

DESCRIPTION: One-day conference dealing with principles, use and evaluation of microphones, phonograph cartridges, headphones and loudspeakers.

MORNING SESSION: Introductory Tutorial Presentations

9:00 A.M. **Principles of Audio Transducers:** One-hour presentation reviewing basic transducing principles with an emphasis on important performance characteristics (sensitivity, linear operating range, noise, coupling coefficients, loss mechanisms, etc.) **BENJAMIN BAUER**
CBS-TECHNOLOGY CENTER

10:00 A.M. **Coffee break**

10:30 A.M. **Subjective Evaluation of Audio Transducers:** One-hour discussion of the fundamentals of subjective testing of audio transducers and its relation to objective measurements. The major aspect of this presentation will be that of answering the question, "How does one fairly judge differences among audio transducers in light of their various applications?"
PAUL MILNER
CONSULTANT (SHARON, MASS.)

11:30 A.M. **Lunch and exhibits**

AFTERNOON SESSION: Modern Construction and Design Techniques

1:30 P.M. **Microphones:** 45-minute presentation covering present dynamic, ribbon and condenser microphone design technology with an emphasis on parameter optimization and design objectives.
ROBERT RAMSEY
ELECTRO-VOICE INC.

2:20 P.M. **Phonograph Cartridges:** 45-minute presentation covering phonograph cartridge transducing techniques as they relate to accurate reproduction of modern disc recordings.
FRANK KARLOV
SHURE BROTHERS INC.

3:10 P.M. **Refreshment break**

3:40 P.M. **Headphones:** 45-minute presentation covering the design and performance characteristics of headphones.
RICHARD CAMPBELL
BANG-CAMPBELL ASSOCIATES

4:30 P.M. **Loudspeakers:** 45-minute presentation covering the design and performance characteristics of direct radiator and horn-loaded loudspeaker structures.
JOHN GILLIOM
CONSULTANT (MERIDIAN, MISS.)

5:20 P.M. **End of conference**

For conference information contact: Robert W. Krueger (727-3840)
For exhibit information contact: David S. Goldsmith (731-1388)

"MECHANICAL RELIABILITY"

The Reliability Group will have as its speaker on Monday - February 27, 1978, Thomas C. B. Ayres of DeLeuw, Cather & Company. Estimating and defining mechanical reliability will be discussed as it relates to industrial facilities. Insight will be given to data collection, methodology, operations systems research, and manufacturers development and test evaluation as it relates to mechanical reliability. Included will be Life Cycle Costing as it relates to reliability and maintainability.

The cost of a turkey dinner is \$6.00, tax and tip included. Free parking is available at the Como Inn, located at 546 North Milwaukee Avenue in Chicago. Cocktails at 5:30 PM, dinner 6:30 PM and meeting at 7:30 PM. Call the IEEE office at 236-4609 for reservations.

MOBILE TELEPHONE FOR EVERYONE

Mr. J. H. Enenbach, General Staff Engineer, Transmission Systems for Illinois Bell Telephone Company will discuss a new technology development by the Bell System. The system will efficiently utilize a band of frequencies in a new allocation at 900 MHz to provide high quality mobile telephone service for over 100,000 users in the Chicago area. The development system is now under construction in Chicago and will be operational within a year.

The meeting is sponsored jointly by the Communications Society, Vehicular Technology Group and Fox Valley Subsection, and will be held on March 1, 1978 at The Back Door Restaurant, 30W150 Roosevelt Road in West Chicago. Dinner will be at 7:00 PM and the meeting is scheduled for 8:00 PM. For reservations call the IEEE office at 236-4609.

COMING EVENT

The American Power Conference will be held on April 24-26, 1978 at the Palmer House in Chicago.

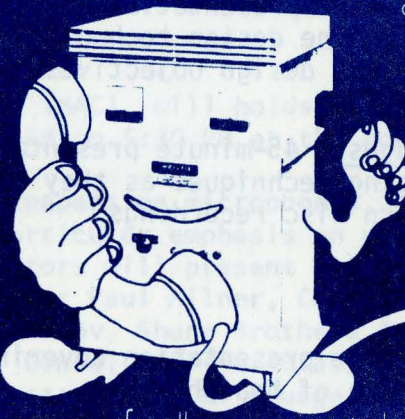
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