

NOVEMBER/1971

CHICAGO
SECTION

IEEE

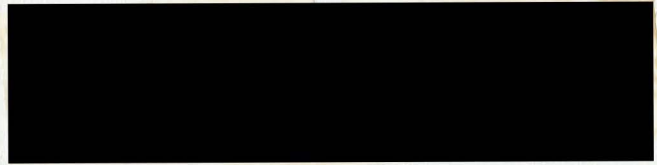
INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS



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TREASURE HUNT



1971

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IEEE calendar

Nov. 3: Fox Valley Subsection

"The 200-500 Bev Particle Accelerator," by Lowell Klaisner, National Accelerator Laboratory. At Ray Roberts' Steak House, West Chicago, Ill. Social hour, 6:30 p.m.; dinner, 7:00 p.m.; meeting, 8:00 p.m. Call 263-3776.

Nov. 3: IEEE Computer Society/Chicago Area Conference on Biomedical Computing

"On-Line Applications of Computers in Biomedical Engineering," by Dr. Richard D. Yoder, University Hospital of San Diego County. Meeting, 7:00 p.m., in Rothschild Auditorium, Michael Reese Nurses' Residence, 2816 Ellis Ave., Chicago.

Nov. 12: Acoustics & Electroacoustics/Acoustical Society of America

"Elastic Surface Waves in Electronics," by Dr. Anthony Van den Heuvel, IIT Research Institute, at the LaSalle Hotel, 10 N. LaSalle St., Chicago. Social hour, 5:30 p.m.; dinner, 6:30 p.m.; meeting, 7:30 p.m. For reservations, call A. Semmelink, 225-9630, ext. 4505.

Nov. 17: Northwest Subsection

"IEEE-NSPE Agreement: A Professional Engineers' Union?" "IEEE-NSPE Agreement — License to Lobby?" by William Dart, Illinois Society of Professional Engineers. At the Old Orchard Country Club, Mt. Prospect, Ill. Social hour, 6:00 p.m.; dinner, 7:00 p.m.; meeting, 8:00 p.m. For reservations, call Jim Beal at 982-3055.

Nov. 18: Electrical Insulation Group

"Characteristics and Manufacture of High-Voltage Porcelain Insulation," by Iweo Kumoto, NGK Insulators of America. At Nielsen's Restaurant, 6475 Mannheim Rd., Rosemount, Ill. Social hour, 6:00 p.m.; dinner, 6:30 p.m.; film and lecture, 7:30 p.m. For reservations, call Dick Gregory at 973-6367.

Dec. 1: Fox Valley Subsection

"Sulfur Dioxide Removal Technology," by R. M. Lundberg, Commonwealth Edison Co. At Mack's Golden Pheasant, 668 W. North Avenue, Elmhurst, Ill. Social hour, 6:30 p.m.; dinner, 7:00 p.m.; meeting, 8:00 p.m. Call 263-3776.

Dec. 10: Audio & Electroacoustics/Acoustical Society of America

Noise Abatement Symposium at IIT Research Institute, 10 W. 35th St., Chicago, Ill. Morning session, 9:00 a.m.; afternoon session, 1:30 p.m. Luncheon speaker, J. Botsford, Bethlehem Steel; dinner speaker, Dr. Alvin Meyer, Environmental Protection Agency. For reservations or further information, A. Semmelink, 225-9630, ext. 4505.

Should Engineers Bargain Collectively? Should Engineers Lobby For Legislation? Do You Believe In A Strong Professional Engineers' Union

These questions come up in every IEEE publication. You can hear them discussed whenever engineers meet. The Northwest Subsection is sponsoring a meeting on November 17 to discuss these matters.

Some time ago, IEEE approached the National Society of Professional Engineers about the need for professional representation in legislative matters, and sought NSPE cooperation. An agreement between IEEE-NSPE was reached, basically with the thought of bringing engineers together under a common umbrella, so that the engineering so-

cieties can speak as one to the common professional problems.

William Dart, executive director of the Illinois Society of Professional Engineers, with offices in Springfield, Ill., will speak on the IEEE-NSPE agreement. He will discuss its purpose and what it means to the individual IEEE member, and to all other engineers.

Meeting will be held at the Old Orchard Country Club, Mt. Prospect, Ill. Social hour, 6:00 p.m.; dinner, 7:00 p.m.; meeting, 8:00 p.m. For reservations, call Jim Beal at 982-3055 by November 15.

Noise Abatement Symposium

A Noise Abatement Symposium cosponsored by the Audio and Electroacoustic Group and the Chicago Chapter of the Acoustical Society of America will be held at IIT Re-

search Institute, 10 West 35th St., Chicago, on December 10, 1971.

For further information call A. Semmelink, 225-9630, ext. 4505.

Morning Session—Industrial Noise
A. Semmelink, Session Chairman

9:00 Open Address

Leon Keer, Chairman,
CRC-ASA

9:05 Manufacturing Noise

Problems
Woodruff VanTiffen,
General Motors Corporation
G.M. Plant & Environmental
Engineering Section

9:40 Real Time Analysis

A. Semmelink, IIT Research
Institute

10:15 Coffee

10:35 Noise Control in Outdoor
Process Plants
James S. Seebold, Standard
Oil Co. of California

11:10 The Cost of Noise Control
Measures

Martin Hirshhorn,
Industrial Acoustics Co.

12:00 Lunch

Luncheon Speaker—
Jim Botsford, Bethlehem
Steel

Afternoon Session—Urban Noise
C. Caccavari, Session Chairman

1:30 Urban Noise—Introduction
by Session Chairman

1:35 Transportation Noise
George Wilson; Wilson,
Ihrig

2:10 Horst Witschonke
Department of
Environmental Control

2:45 Coffee

3:05 Harlan Draeger,
Environmental Editor,
Chicago Daily News

3:50 Films

5:00 Cocktail Hour

6:00 Dinner

7:00 Dinner Speaker—
Dr. Alvin Meyer
Director of Noise Abatement
Environmental Protection
Agency

NOVEMBER 18

Electrical Insulation Group Opens 1971-72 Season

The Chicago Chapter of G-32 will open the 1971-72 season with a lecture and film "Characteristics and Manufacture of High-Voltage Porcelain Insulation."

Mr. Iweo Kumoto, president, NGK Insulators of America, comes to us with 20 years of design and manufacturing experience. This meeting should be highly informative about an important area of power insulation.

Meeting will be held on November 18 at Nielsen's Restaurant, 6475 Mannheim Rd., Rosemont, Ill. Social hour, 6:00 p.m.; dinner, 6:30 p.m.; film and lecture, 7:30 p.m. For reservations, call Dick Gregory at 973-6367.

Anagnost Elected President of ISA

John T. Anagnost, provost of the Bell & Howell Schools, and a senior member of IEEE, has been elected president of the Instrument Society of America. His one-year term begins Nov. 1, 1971.

Anagnost, who had previously served as vice president of ISA's Education & Research Department, had led in adoption of a District-wide scholarship program for deserving students. He is a past President of ISA's Chicago Section.

He joined DeVry Institute of Technology as an instructor, later becoming head of the Evening Division. As head of DeVry's Department of Advanced Technology, he pioneered development of the school's computer, instrumentation, and measurement laboratories.

Anagnost became Associate Dean in 1962 and Dean of the Faculty in 1967. In 1969, shortly after Bell & Howell acquired DeVry, Anagnost was appointed Director of the school. In January 1971, he was named Provost for all the Bell & Howell Schools.

THE COVER

Scenes from the 1971 Treasure Hunt adorn our cover this month. The Treasure Hunt Committee outdid themselves this year, with a working guillotine, a 68½ inch (high) bikini girl, and an Indian Village. Come join the fun next year.

"Elastic Surface Waves in Electronics"

The first meeting of the Acoustics and Electroacoustics Group for the 1971-72 season will be held on Friday, November 12, 1971, at the LaSalle Hotel, 10 N. LaSalle St., Chicago. The meeting is a joint meeting with the Chicago Chapter of the Acoustical Society of America.

Dr. Anthony Van den Heuvel, IIT Research Institute, will talk on "Elastic Surface Waves in Electronics." He will explore this new and fast-growing field, in which acoustic waves at microwave frequencies are used for applications such as amplifiers, filters, and delay-lines.

Guests as well as members are welcome. Social hour, 5:30 p.m.; dinner, 6:30 p.m.; meeting, 7:30 p.m. Reservations are necessary; call, A. Semmelink, 225-9630, ext. 4505.

"On-Line Applications of Computers in Biomedical Engineering"

A joint meeting of the IEEE Computer Society and the Chicago Area Conference on Biomedical Computing will be held on November 3, at Rothschild Auditorium, Michael Reese Nurses' Residence, 2816 Ellis Ave., Chicago. Meeting time, 7:00 p.m. Dr. Richard D. Yoder, Department of Community Medicine, School of Medicine, University Hospital of San Diego, will speak on "On-Line Applications of Computers in Biomedical Engineering." Guests, as well as members, are welcome.

"Sulfur Dioxide Removal Technology"

The Fox Valley Subsection will hear R. M. Lundberg, general staff engineer, Commonwealth Edison Company, discuss "Sulfur Dioxide Removal Technology," at the December 1 meeting. Dinner and meeting will be held at Mack's Golden Pheasant, 668 W. North Ave., Elmhurst. Social hour, 6:30 p.m., dinner, 7:00 p.m.; meeting 8:00 p.m. For reservations, call 263-3776.

Audio and Electroacoustic Group Sets Meetings

The Chicago Chapter of the Audio and Electroacoustic Group will hold joint meetings with the Chicago Chapter of the Acoustical Society of America on the following dates:

November 12

Dr. Anthony P. Van den Heuvel, IIT Research Institute, "Elastic Surface Waves in Electronics"

December 10

Noise Abatement Symposium

February 11

Mr. Richard C. Dale, Saville Organ Company "Design and Performance of the World's Largest Electronic Organ"

April 14

Midwest Acoustics Conference
"Four Channel Reproduction"

May 12

Tour of Zenith Radio Corporation, followed by discussion. Subjects will be acoustic holography and ultrasonic imaging.

For information write or call A. Semmelink, IIT Research Institute, 10 West 35 St., Chicago, Ill. 60616; 225-9630, ext. 4505.

Chicago Fall Conference

This year the IEEE Chicago Fall Conference on Broadcast & Television Receivers will replace the NEC Consumer Symposium. The Fall Conference will be held on December 6th and 7th at the Sheraton O'Hare Motel near O'Hare Field.

There will be an Awards Luncheon on Monday December 6th. A total of nineteen (19) papers will be presented in four sessions on Monday and Tuesday.

Session 1, Monday a.m. covers Signal Processing.

Session 2, Monday p.m. covers RF-IF Systems.

Session 3, Tuesday a.m. covers Audio.

Session 4, Tuesday p.m. covers Deflection.

The conference is sponsored by the group on Broadcast & Television Receivers and the group on Electron Devices. Program Chairman for the Fall Conference is Mr. R. Ashley of Warwick Electronics.

1971-72 Chicago Section Directory

This is your Section Directory for 1971-72. Save it to refer to whenever you need to contact an officer, chairman, or group officer. The Directory is as complete as we could make it. If you have changes, or

additions, or if any members are interested in organizing a new group chapter, contact Dean Henry A. Setton, vice-chairman of the Chicago Section, 663-2401.

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Northwest Section: James H. Beall, Teletype Corporation, 5555 W. Touhy Ave., Skokie, Ill. 60076; 583-1010.

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Treasure Hunt

Chairman: Wayne Luplow, Zenith Radio Corp., 1851 Arthur Ave., Elk Grove Villiage, Ill. 60007; 745-2500.

American Power Conference

Dr. Edwin R. Whitehead, IIT Research Institute, 10 W. 35th St., Chicago, Ill. 60616; 225-9630.

Chicago Technical Societies Council

John Staunton, Coleman Instruments Corp., 318 Madison St., Maywood, Ill. 60153; 261-3214.

GROUP AND SOCIETY CHAPTERS

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Microwave Theory and Technique

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Vice-Chairman: Don Ruby, Zenith Radio Corp., 6001 W. Dickens Ave., Chicago, Ill. 60639; 745-3222.

Secretary: Howard Jirka, Zenith Radio Corp., 6001 W. Dickens Ave., Chicago, Ill. 60639; 745-3222.

Information Theory (G-12)

(Joint with Central Illinois and
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Engineering in Medicine and
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Vice-Chairman: Robert W. Callaghan, Automatic Electric Laboratories, Inc., Box 17, Melrose Park, Ill. 60164; ES 9-4300, ext. 661.

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Parts, Hybrids and Packaging (G-21)

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Secretary: Roland Priemer, University of Illinois Chicago Circle, Box 4348, Chicago, Ill. 60680; 663-5491.

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Chicago Section
Executive Committee

The Chicago Section Executive Committee meets on the second Tuesday of every month, usually at Menard's Black Steer Restaurant, 6648 W. North Ave., Chicago, Ill. Section officers and chairman attend—but any member of the Chicago Section is welcome. If you would like to attend a meeting, call in a reservation to the Electronic Secretary, 764-5000, or contact any of the Section officers.

1971 Treasure Hunt Big Success

Aided by ideal weather 144 teams (3 couples per team) participated in the Chicago Section sponsored Treasure Hunt on October 2. Starting at 6:30 p.m., the Hunters traveled the roads intertwined between Libertyville, Island Lake, Barrington and Wheeling. A total of 20 clues led the Hunters to 19 separate locations. Top Sirloin of Beef dinners were later demolished by the 864 Hunters and the 54 Committee members and helpers who all contributed to an enjoyable fun-filled evening.

Most Treasure Hunters will remember the 1971 IEEE Hunt by the authentic guillotine, Indian village (with real Indians), a walk on our portable moon, fishing for ducks, a bus ride, or perhaps even by the 68½-inch (tall) girl in a bikini.

This year's winning team with an adjusted elapsed time per clue of 16.05 minutes was turned in by the team consisting of Ted and Ruth Pryst, Bob and Blanche Troxel, and Elmer and Mary Carlson. Second

place with a time of 17.94 minutes went to Dave and Judy Hale, Tom and Becky O'Connel, and Corky and Nancy Beck. Third place was captured by the team consisting of Larry and Susan McCoy, Rich and Jan Shoop, and James and Val Dudley.

Many members of the Chicago Section have never attended a Treasure Hunt. Those who have gone and enjoyed themselves should encourage their friends. IEEE members are given first chance (June SCANFAX). As we had to turn several teams away this year, we suggest that IEEE members get their reservations in before the general mailing in August. The 1972 Hunt is tentatively scheduled for Oct. 7.

Treasure Hunts thrive on the cleverness and dedication of the Committee members. This year's Committee need take no backseat to any previous group; we gratefully acknowledge their hard work and devotion.

The committee members were:

Bill and Carolyn Balmer, Zenith Radio Corporation; Frank and Barbara Banach, Zenith Radio Corporation; Ed and Ruth Donnelly, Danly Machine Company; Ed and Betty Fey, Universal Elevator; Howard and Marilyn Hill, Commonwealth Edison Co.; Terry and Ginger Jackson, Electromotive Div., General Motors Corporation; Roy and Jean Posselt, Chicago Fire and Burgular Protection; Dick and Carol Reilly, Edmund Electric Company; Jouke and Ineke Rypkema, Zenith Radio Corporation; Paul and Doris Schroeder, Union 76 Oil Company; Julius and Tobie Simon, Motorola Inc.; Tony and Milene Troiano, Zenith Radio Corporation; Dumonte and Joan Voigt, Warwick Electronics, Inc.; Creighton and Mary Cay Warren, Kleinschmidt, Div., SCM Corporation; Tom and Marilyn Wojcik, Zenith Radio Corporation; Jack and Karen Weigand, Zenith Radio Corporation; and Judy and Wayne Luplow (Chairmen), Zenith Radio Corporation.

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