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CHICAGO SECTION · IEEE · INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS

DECEMBER 1974



CALENDAR OF EVENTS—IEEE OFFICE: 263-5954

- Dec. 4 "Environmental Analysis for Power Plant Siting"; Fox Valley Subsection/Power Engineering Society; Argonne National Laboratory, Argonne, Ill.; meeting, 8:00 p.m.
- Dec. 9-10 Chicago Fall Conference on Broadcast and TV Receivers; O'Hare Inn, Rosemont, Ill.; morning sessions, 9:30 a.m.; afternoon sessions, 2:30 p.m. (Page 4)
- Dec. 10 Family Night at Arlington Park Hotel and Theatre; MTT/A&P Group; Arlington Park Hotel, Euclid Ave. and Rohlwing, Arlington Heights, Ill.; Social hour, 6:00 p.m.; dinner, 6:30 p.m.; theatre, 8:00 p.m. (Page 3)
- Dec. 11 "Bell System Telecommunications;" Vehicular Technology Group; Illinois Bell Telephone Company, 212 W. Washington Street, Chicago, Ill. Dinner, 6:30 p.m. (Page 3)
- Dec. 11 "Calibration and Maintenance of Protective Devices;" IAS/IECE; Nielsen's Village, 7330 W. North Ave. Social hour, 5:30 p.m.; dinner, 6:15 p.m.; meeting, 7:15 p.m.
- Dec. 25, '74 Merry Christmas
- Jan. 1, '75 And a Happy New Year
- Jan. 8 "Hospital Electrical Systems;" IAS/IECI; Nielsen's Village, 7330 W. North Ave. Social hour, 5:30 p.m.; dinner, 6:15 p.m.; meeting, 7:15 p.m.
- Jan. 28 "SF6 MiniSubstations;" Power Engineering Society; Chicago Engineers Club, 314 S. Federal Street, Chicago, Ill.; luncheon at 12:00 noon.

Family Night at Arlington Park

Start the holidays off right by celebrating at Family Night at Arlington Park on Tuesday, December 10, 1974. Sponsored by the Chicago joint chapter of the MTT/A&P Group, the evening includes dinner, a talk aimed at a general audience, and a play. The festivities will take place at the Pinnacle Room of the Arlington Park Hotel, Euclid Ave. and Rohlwing, Arlington Heights, and at the Arlington Park Theatre.

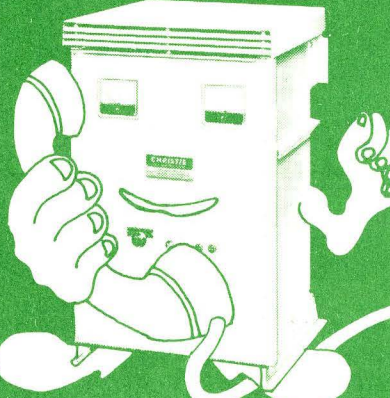
Professor, T. K. Ishii, Department of Electrical Engineering, Marquette University, will talk on "Microwave Drying," after the dinner. Social hour starts at 6:00 p.m.; dinner starts at 6:30 p.m.; theatre from 8:00 p.m.

T. Koryu Ishii, received a Ph.D. from the University of Wisconsin and also from Nihon University, Tokyo. He is a senior member of IEEE and the author of several books and more than 200 articles.

The play at Family Night is "13 Rue De L'Amur," starring Leslie Caron and Louis Jourdan. A sparkling comedy, tickets are only \$8.50 per person. Reservations are on individual basis and you should make reservations immediately to insure getting seats by calling 392-6800.

Dinner reservations should be made, in addition, by calling the IEEE office, 263-5954. Cost of the dinner is \$9.00 per person.

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Section Plans Meetings

The Chicago Section IEEE is planning four more events for the 1974-75 season, culminating in the Recognition Dinner in April. Meetings so far scheduled include a January meeting on Fibre Optics, co-sponsored by EMC; a February meeting on Air Quality and Future Automobile Power Plants, co-sponsored by ASME, SAE, ISPE, and Fox Valley Subsection; and a March meeting with the Communications Society.

Bell System Telecommunications

On Wednesday, December 11, 1974, Joseph H. Enenbach, General Staff Engineer, Illinois Bell Telephone Company, will talk on "The Bell System High Capacity Mobile Telecommunication System" at a meeting of the Vehicular Technology Group.

The meeting will be held on Wednesday, December 11, 1974, at the Illinois Bell Telephone Company offices, 212 W. Washington Street, Chicago. A buffet dinner will be served at 6:30 p.m., with your choice of fried chicken or Italian sausage. Cost of dinner is \$5.75. Reservations are required for this meeting. Call Dan Clark, 397-1000, ext. 3863, or the IEEE office, 263-5954.

IEEE Members Reject Constitutional Changes

Two proposed amendments to the IEEE Constitution, one to create a paid President and the other to reduce the number of signatures required to nominate Institute officers, were both defeated by a vote of the membership. The outcome of the balloting was announced by John J. Guarrera, president of IEEE, following receipt of the results from the Institute's Tellers Committee. Both proposals had been placed on the ballot by petition. Passage would have required approval by at least two thirds of those voting.

The proposal to have an elected paid president, serving a three-year term, was rejected by a greater than two-to-one margin. Of the more than 43,000 votes cast, 70% were against the change. Currently the IEEE president serves a one-year term and receives no salary.

The suggested amendment reducing the number of signatures required to place a name on the ballot from two percent (2%) to one-third percent (1/3%) was defeated by a vote of 24,001 against and 18,592 in favor.

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Meeting Reservations

Remember that the IEEE office, (312) 263-5954, will take your meeting reservations. The best time to call is between 9:30 a.m. and 12:30 p.m. or between 2:30 p.m. and 5:00 p.m.

The meeting coordinator for any group should call and leave his number with Ollie at the office, so she can refer questions on matters other than reservations.

Change of Address

If you have moved — or are about to move — please notify the IEEE office in NEW YORK. Our SCANFAX mailing labels come from there, and we cannot update your mailing address locally in Chicago.

A change of address form is included in each issue of SPECTRUM. Your local post office will also supply you with cards; mail to Emily Sirjane, Membership Services, IEEE, 345 E. 47th Street, New York, NY 10017. Include your SPECTRUM mailing label if possible. We cannot forward this information for you, so please do not send it to the local office.



"It's a call for papers."

1975 IEEE Power Engineering Society Summer Meeting

The 1975 Summer Meeting of the IEEE Power Engineering Society will be held July 20-25, 1975, in San Francisco, California. This meeting will include all subjects in the power field.

Prospective authors who have significant contributions in the power field are urged to request a Power Author's Kit from IEEE, Technical Conference Services Office, 345 East 47th St., New York, N.Y. 10017, U.S.A. The kit includes a Declaration of Intent form, A Power Author's Guide outlining the current requirements and a supply of model paper on which the manuscript is to be typed. The Declaration of Intent form should be returned as soon as possible,

Conference on Laser Engineering and Applications

The fifth biennial Conference on Laser Engineering and Applications will be held at the Washington Hilton Hotel, May 28-30, 1975, Washington, D.C., under the joint sponsorship of the IEEE Quantum Electronics Council and the Optical Society of America. The conference will again provide a forum for describing and discussing engineering aspects of laser devices and systems, as well as applications of coherent optical techniques to engineering and scientific problems. This specialized conference is being held in the year intermediate to the biennial International Quantum Electronics Conferences in 1974 and 1976.

Original papers, not previously published or presented, are solicited. Authors are requested to submit both a 35-word abstract and a 500-word summary of their paper. Since papers will be selected on the basis of the summary, it must include specific information.

The 35-word abstract, prefaced by the title of talk, author's name, affiliation, complete return address and telephone contact, should be typed on a single

1975 Electrical and Electronic Measurement and Test Instrument Conference

The 1975 Electrical and Electronic Measurement and Test Instrument Conference will be held May 13, 14, and 15, 1975 at the Skyline Hotel, Ottawa, Canada. The conference is sponsored by the Ottawa Section of the IEEE and by the IEEE Group on Instrumentation and Measurement. The U.S. Commission I of URSI will be a participating sponsor.

The theme of the conference is "New Directions in Instrumentation and Measurement." The Technical program

will emphasize new instrumentation development and methods as well as their practical engineering applications. Original papers (not submitted elsewhere) are invited.

Three copies of an abstract and a summary of each paper should be submitted to the chairman of the Technical Program Committee, Mr. Donald E. Lawrence, Hewlett-Packard Co., Automatic Measurement Division, 974 E. Argus Avenue, Sunnyvale, California 94086. The abstracts should be less than 200 words and without illustrations. The summary, limited to 500-1000 words but may contain a few illustrations, will aid the committee in selecting suitable papers. The abstracts of selected papers will be used for publicity and program purposes. The deadline for receipt of abstracts and summaries is December 31, 1974.

Authors of selected papers will be asked to submit three copies of their complete manuscript, including original illustrations, to the Conference Editor prior to the conference. Further details will be provided.

General questions concerning the conference should be directed to Mr. Richard F. Clark, Conference Chairman, National Research Council, Division of Physics, Montreal Road, Bldg. M-36, Ottawa, Ontario, K1A 0S1, Canada.

separate sheet. If the paper is accepted, this abstract will appear in the ADVANCE PROGRAM. Abstracts longer than 35 words will be arbitrarily shortened by the program committee.

The 500-word summary must be submitted on 8½ x 11", single-side, double spaced typewritten paper. The author's name, affiliation, complete return address and telephone contact must appear on the first page, and additionally, the author's name and abbreviated paper title should be included on each subsequent page. Tables, photographs, and line drawings may be included in the summary if necessary, but the total text including the space occupied by the figures should be no more than three (3) typewritten pages. If the paper is accepted, the summary, including essential illustrations, will appear in the CONFERENCE DIGEST. Two copies of both summary and abstract with a set of figures suitable for journal publication (glossy photographs or original line drawings) should be forwarded to: Dr. A. Stevens Halsted, Hughes Aircraft Com-

pany, P.O. Box 2999, Torrance, California 90509, Telephone: (213) 534-2121, ext. 247.

The deadline for submission of papers is January 6, 1975. No material submitted for consideration will be returned to the author. Only summaries and abstracts should be submitted to the program committee. All questions or inquiries for further information regarding this conference should be directed to the Conference Manager: Dorothy Edgar, Courtesy Associates, 1629 K Street, N.W., No. 700, Washington, D.C., 20006, and inquiries regarding exhibits to the Exhibit Manager: Lewis Winner, 152 West 42nd Street, New York, N.Y. 10036.

The program will include a session of Post Deadline Papers. These must comply with the above instructions for a 500-word summary and must be received by Dr. Halsted before May 16, 1975. N.B.: Standards for acceptance of post-deadline papers will be higher than standards for regularly submitted papers.

STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION
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9. For optional completion by publishers mailing at the regular rates (Section 132.121, Postal Service Manual).

10. For completion by nonprofit organizations authorized to mail at special rates (Section 132.122, Postal Manual). The purpose, function, and nonprofit status of this organization and the exempt status for Federal income tax purposes have not changed during preceding 12 months.

11. Extent and nature of circulation		Average No. Copies Each Issue During Preceding 12 Months	Actual No. of Copies of Single Issue Published Nearest to Filing Date
A.	Total number copies printed (net press run)	5,100	5,200
B.	Paid circulation		
1.	Sales through dealers and carriers, street vendors and counter sales	2	2
2.	Mail subscriptions	4,800	4,865
C.	Total paid circulation	4,802	4,867
D.	Free distribution by mail, carrier or other means		
1.	Samples, complimentary, and other free copies	200	200
2.	Copies distributed to news agents, but not sold	—	—
E.	Total distribution (sum of C and D)	5,002	5,067
F.	Office use, left-over, unaccounted, spoiled after printing	98	133
G.	Total (Sum of E & F—should equal net press run shown in A)	5,100	5,200

Chicago Fall Conference

The Chicago Fall Conference on Broadcast and Television Receivers will be held on December 9 and 10, 1974, at O'Hare Inn, Rosemont, Ill. Morning sessions begin at 9:30 a.m. each day; afternoon sessions begin at 2:30 p.m. Guest speaker at the Consumer Awards Luncheon on December 9 will be John J. Nevin, president, Zenith Radio Corporation, who will speak on "The Outlook for Consumer Electronics in the United States." Cocktail hour on Monday afternoon is sponsored by M. Gottlieb Associates, Inc. (See November issue of *Scanfax* for complete program.)

In Memoriam

Richard Zucker, P. R. Mallory Company, passed away on September 28, 1974. Dick, as he was commonly called, had been a local Chicago area sales engineer with Mallory for the last 17 years, and prior to that had worked for General Electric Company for 10 years.

In his 17 years with Mallory, Dick became well-known and well liked by his many customers, who appreciated his service and friendly personality. The Chicago electronics industry will miss him.

Dick Zucker is survived by his wife, Dorraee, and three children, Marsha, Andrea, and Robert.

1974 Young Engineers Forum

The 25th annual educational series sponsored by The Western Society of Engineers is a Forum for Young Engineers in 1974-75. The forum is a series of six dinner meetings conducted by outstanding business and professional people. Each topic and speaker has been chosen to help the young engineer develop an awareness of the many forces which shape his personality, to develop maturity, and to help him become a more effective person in his personal and professional life.

The forum will begin on Tuesday, December 3, 1974, and conclude on Wednesday, January 29, 1975, with a recess for the holidays. Sessions consist of dinner meetings with lectures and discussions where the audience can and is encouraged to participate. Social hour at each forum begins at 5:00 p.m., with dinner at 5:30 p.m. Topic for the evening will be presented at 6:45 p.m. Registration fee for the series for an individual is \$75, including dinner. Sessions will be held at Builder's Club of Chicago, 22nd Floor, Builder's Building, 228 N. LaSalle St., Chicago, Ill.

Topics include: Engineer, Know Thyself, Dec. 3; "Becoming More OK with Transactional Analysis," Dec. 10; "MBO — Commitment to Excellence," Jan. 8, 1975; "Communicating Ain't Just Talkin'," Jan. 15; "Caution — This Engineer May Be Hazardous to his Health . . . or Ours," Jan. 22; "The Reality of Office Politics — How It Affects Your Career," Jan. 29. To enroll, write or call Western Society of Engineers, 314 S. Federal Street, Chicago, Ill. 60604; (312) 663-0220.

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