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C A L E N D A R O F E V E N T S

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

COPY DEADLINE: 25th OF THE MONTH PRECEDING PUBN.

NOV. 5-9	COMPSAC84 (8th Intl. Computer Soft. & Appls. Conf.)	Computer Soc.	Americana Congress Hotel, 520 South Michigan Ave., Chicago	(For inf., Chas. Hollocker, 979- 5823, 852-4263)
7	"Geothermal Power"	Power Engrng. Soc.	Holiday Inn 4400 Frontage Rd. Hillside, IL	
10	Seminar - "Intro. to Variable Fre- quency AC Drives"	Industry Appls./ Industrial Elec- tronics Soc.	Mr. Peter's Restaurant 1018 Mt. Prospect Plaza (NE cor. Rand, Central)	(For inf., Henry Dwyer, 937-7105)
13	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	McDonald's Plaza NE cor. McDonald Dr. at 22nd, Oak Brook, IL	Meeting 7:30 PM
13	"Ferrite Beads"	Electromagnetic Compability Soc.	DLS Electronic System 10350 Deerlove Rd. Glenview, IL	Program 7:30 PM (Reserva., Don Sweeney, 699-9060)
14	Tour - Communications Facilities	Fox Valley Sub.	The Wall Street Journal 400 Shuman Boulevard Naperville, IL	
14	"Radio-Linked Portable Digital Communications"	Communications Soc.	Sheraton-Naperville 1801 N. Naperville Blvd., Naperville, IL	Dinner 6:15 PM Meeting 7:00 PM
19	"Monolithic Micro. & Millimeter Wave Receivers"	Antennas & Prop./ Microwave Theory & Techniques Soc.	Louis' Restaurant 351 E. Lake St. Addison, IL	Social 5:30 PM Dinner 6:30 PM Meeting 7:30 PM
20	"Wide Screen/ Wide Band TV"	Northwest Sub.	Mr. Peters' Restaurant 1018 Mt. Prospect Plaza (NE cor. Rand, Central)	Social 6:00 PM Dinner 7:00 PM Meeting 8:00 PM
28	"Audio Electronics"	Fox Valley Sub.	Wilton Manor 2200 N. Main St. Wheaton, IL	Social 6:00 PM Dinner 7:00 PM Meeting 8:00 PM
DEC. 5	"Cellular Telephones"	Power Engrng. Soc.	Carson Pirie Scott Wabash & Monroe Sts. Highland Rm., 8th Fl.	Social 11:30 AM Lunch 12:00 PM Meeting 12:30 PM
11	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	McDonald's Plaza NE cor. McDonald Dr. at 22nd, Oak Brook, IL	Meeting 7:30 PM
12	"Design & Appl. of Fiber Optics Comm. Systems"	Industry Appls./ Industrial Elec- tronics Soc.	Mr. Peter's Restaurant 1018 Mt. Prospect Plaza (NE cor. Rand, Central)	Social 5:30 PM Dinner 6:15 PM Meeting 7:15 PM

NOMINATIONS FOR FELLOW AWARD - Each year, the Chicago Section is proud to have one or more of its members elected to the grade of Fellow. However, this is not automatic and a great deal of effort goes into preparing the nomination. Nominations must be submitted to IEEE Headquarters by April 30, 1985, but it is not too early to get a Nomination Kit and start the process. Kits are available from Ed Koncel, 294-3365.

"RADIO-LINKED PORTABLE DIGITAL COMMUNICATIONS - A SYSTEM OVERVIEW" will be presented by the Communications Society on Wednesday - November 14, 1984 at the Sheraton Naperville. Mr. Stu Thro of Motorola's Communications Sector will be guest speaker.

Portable data communications are becoming increasingly important to industrial, commercial and governmental organizations. Typical applications include materials management (such as warehousing and rail yard control operations), equipment maintenance services, package delivery services and public safety operations. More generally, portable data communications are needed wherever people outside of the office environment develop information for computerized data bases or require access to such data bases. For more meeting information, contact Dr. Michael McLaughlin at 576-4622.

JOHN WATERS ELECTED PRESIDENT OF IEC FOR 1984-85 - John Waters, representing The Institute of Electrical and Electronics Engineers, Inc., was elected President of the Illinois Engineering Council for 1984-85. The Council is composed of representatives from 20 engineering societies with chapters in Illinois. The purpose of the Illinois Engineering Council is to provide a means of bringing to bear a united effort of all organized segments of the engineering profession on any matters of general interest to the engineering profession and the public welfare, where such united effort is necessary to achieve desired results.

Other officers elected to serve with John Waters during 1984-85 are: William Monson as Vice President representing Consulting Engineers Council of Illinois; Marion M. Synowiec as Treasurer representing the American Society of Safety Engineers; Robert D. Harvey as Secretary representing the American Society of Mechanical Engineers; Phillip E. Borrowman as a Director representing the American Society of Civil Engineers; Nabi R. Fakroddin as a Director representing the Illinois Association of County Superintendents of Highways; Kenneth E. Gerler as a Director representing The Western Society of Engineers.



NEWLY ELECTED CHICAGO SECTION OFFICERS present Recognition & Appreciation Certificate to Past Chairman William Everson, Commonwealth Edison (2nd from left) as he hands gavel to Chairman George Thomas, Contemporary Control Systems, Inc. (2nd from right). From left, Treasurer Norbert Orszula, Brown and Root, Inc.; Secretary Margaret Jones, Bell Telephone Laboratories; and Vice Chairman Henry Korman, Gentry Sales & Engineering.

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Professional Activity

UPDATE

THE CASE FOR CONTINUING EDUCATION - As I attend various IEEE conventions, it is impressive to see the interest shown by the attendees in the discussions on the latest state-of-the-art in new and esoteric areas of electrical engineering. One wonders, however, at the relatively small numbers of members who attend these meetings at a time when the IEEE is continually increasing its membership. The recent IAS convention in Chicago is a good example. Ten years ago when the IEEE had only 75% of its present membership, over 1,000 IEEE members would attend - today we are lucky to get 700 attendees.

The following article excerpted from the IEEE publication "The Institute" may help present the employers case for continuing education and serve to motivate older engineers to updating their skills. Speaking to a breakfast meeting of Technical Activities Board leaders at the Institute's Centennial meeting on May 18, 1984 in Boston, IEEE Fellow Mark Shepherd, Chairman of the Board of Texas Instruments said that Texas Instruments encourages its employees to continue their education by taking classes at local universities or over a closed-circuit TV system at the company. "But when a guy reaches 40 or 45, it's very hard to convince him that he needs more education." He added, "It's a very sad thing when a person loses his curiosity."

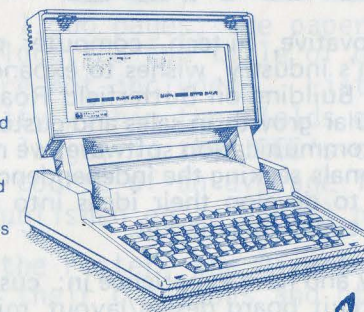
Texas Instruments replenishes its work force for the most part by recruiting recent college graduates, he stated. "We hire 2,000 engineers right out of school. We don't want them poorly trained elsewhere. We want to bring them up ourselves. We must instill in young folks a desire for continuing education; then they'll never lose it." When asked whether he thought his company might discriminate against older engineers, Mr. Shepherd replied, "That problem has not yet developed. The median age at TI over 20 years has hardly wiggled, even though we hire most of our new people out of college. There are rules about age discrimination and you have to worry about that. If a qualified engineer who is 40 years old asks for a job, you better have good reasons not to hire him."



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The United States should also take steps to increase the supply of engineers, Mr. Shepherd maintained. He noted that Japan, despite a population less than half that of the U.S. produces 10,000 more engineers a year from its schools. Mr. Shepherd also pointed out that Japanese companies pay their engineers about half of what equivalent engineers in the United States receive, thereby giving Japanese industry more money to spend on product research and development. U.S. industry could benefit by tapping new potential sources of engineering manpower and by encouraging more interaction with universities, said Mr. Shepherd. "We need more women in engineering," he declared. "And we need to get more academics into the shop and more engineers into the universities."

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IEEE CHICAGO SECTION PLACEMENT SERVICE — The Chicago Section is now offering a Placement Service for its members free of charge. The program is intended for those who are Member Grade and above, and is a positive step to help our members who are unemployed. If interested in any of the applicants listed below, call the IEEE office (236-4609) for their name and phone number. If marked "confidential," the applicant will be contacted by the IEEE office so that he/she may contact the prospective employer.

- AP — Spacecraft electrical design & test. - wire & connectors - EMC.
- AQ — Cad/Cam entry level designer for the automotive related industry - 3 yrs. exp.
- AR — Engineering Manager/Project Manager - industrial systems, power, controls.
- AS — Control sys. digital modl/estim. highordr distrib. noisy nonlinr. EE & UC math.
- AT — An entry level analog/digital circuit designer position; prefers hands-on situa.
- AU — Sr. software engineer - cad/cam, data communications, systems development.

If you are an IEEE member and unemployed, call or write for the necessary form. Direct your request to: IEEE Placement Service • 125 South Clark Street - Room 1545 • Chicago, Illinois 60603.

The IEEE and Electric Association waive any responsibility in determining the credibility, accuracy or qualifications of applicants or employers.

DON PATTEN, Product Manager for Fiber Optics and Local Area Networks at Anixter Bros., Skokie, will present an illustrated talk on fiber optics communication systems on Wednesday - December 12, 1984 at the dinner meeting of the Industry Applications/Industrial Electronics Society.

Fiber optics is a newer communication technology for which standard components are available from a competitive selection of vendors. Specific details will be shown concerning the pros and cons of fiber optic systems, specifying and selecting components, cable construction, connectors, splicing and electrical interfaces. Examples of fiber optic applications will include powerline right-of-ways and data communications. A new cable splicing kit will demonstrate field installation as well as repair techniques.

Attendance for meeting only is free. Dinner is \$10.00 for IEEE members and \$12.00 for non-members. See Calendar of Events for meeting location and time.

1984 IEEE MEMBERSHIP DIRECTORY — The 1984 Membership Directory has been published by The Institute of Electrical and Electronics Engineers, Inc. (IEEE), the world's largest technical professional society, with more than 250,000 members in 124 countries.

Containing over 1,500 pages, the paperbound Directory provides quick access to the name, current location and title of over 200,000 IEEE members and affiliates (student members are not included). Listings include telephone numbers, when so authorized. Mobility within the fields of electrical/electronics/computer science and engineering is large, in the IEEE's case amounting to a 50% change in member addresses over the course of an average 18-month span. It is for this reason that the Directory is published on an annual basis.

In addition to the roster, the Directory contains listings of over 3,500 IEEE Fellows, including their citations and other awards; winners of 24 major IEEE Awards for outstanding achievement in science and technology, from their inception; IEEE past presidents and directors. Included, also, is a section on the purposes, organization and history of the IEEE and requirements for the attainment of various membership grades.

The Directory (JH64709) is priced at \$35.00 for IEEE members and \$85.00 for non-members. It may be ordered from the IEEE Service Center • 445 Hoes Lane • Piscataway, New Jersey 08854. Check should be payable to IEEE. A \$2.00 billing charge is added to all non-prepaid orders.

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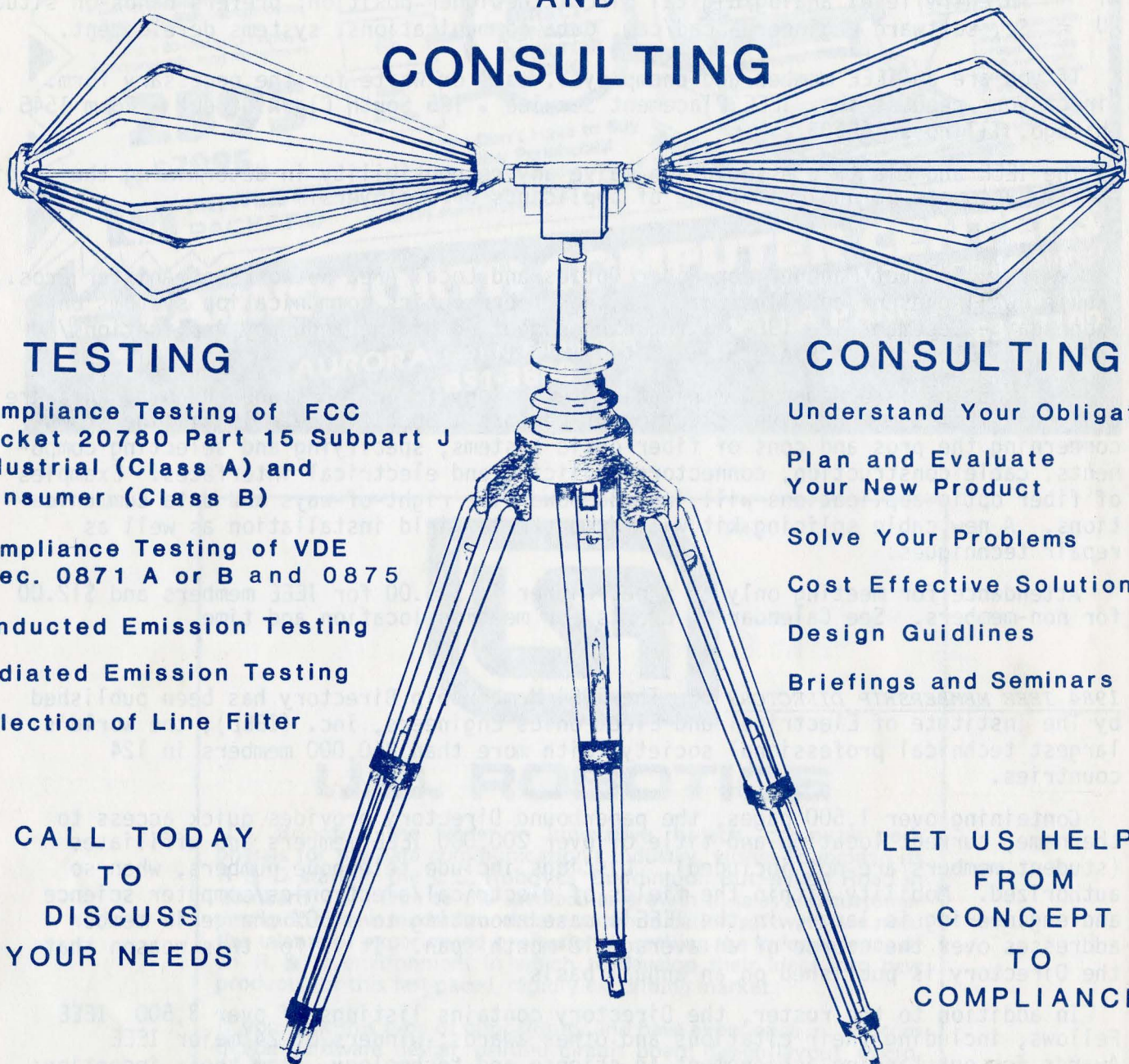
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