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CALENDAR OF EVENTS

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

COPY DEADLINE: 38 CALENDAR DAYS PRIOR TO PUBN. DATE

1985 JAN. 8	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	McDonald's Plaza NE cor. McDonald Dr. at 22nd, Oak Brook, IL	Meeting	7:30 PM
9	"Magnetic Recording"	Industry Appls./In- dustl. Electronics Soc. (j/w ISA)	Mr. Peter's Restaurant 1018 Mt. Prospect Plaza (NE cor. Rand, Central)	Social Dinner Meeting	5:30 PM 6:15 PM 7:15 PM
9	"5-35 KV Medium Voltage Switchgear"	Power Engrng. Soc.	Carson Pirie Scott Wabash & Monroe Sts. Highland Rm., 8th Fl.	Social Lunch Meeting	11:30 AM 12:00 PM 12:30 PM
15	"Robotics"	Northwest Sub.	Mr. Peter's Restaurant 1018 Mt. Prospect Plaza (NE cor. Rand, Central)	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
26	Seminar - "Distributed Control Systems"	Power Engrng. Soc.	Wilton Manor 2200 N. Main St. Wheaton, IL	8:00 AM--5:00 PM	
30	"Progress & Prospects for Fusion Power"	Fox Valley Sub.	Wilton Manor 2200 N. Main St. Wheaton, IL	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
FEB. 4	"High Speed Digital IC Perfor. Outlook"	Antennas & Prop./ Micro. Theory & Techniques Soc.	Louis' Restaurant 351 E. Lake St. Addison, IL	Social Dinner Meeting	5:30 PM 6:30 PM 7:30 PM
6	"Utility Pricing-Rates"	Power Engrng. Soc.	Carson Pirie Scott Wabash & Monroe Sts. Highland Rm., 8th Fl.	Social Lunch Meeting	11:30 AM 12:00 PM 12:30 PM
12	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	McDonald's Plaza NE cor. McDonald Dr. at 22nd, Oak Brook, IL	Meeting	7:30 PM
13	"Personal Com- puters for Busi. & Profes. Use"	Industry Appls./ Industrial Elec- tronics Soc.	Mr. Peter's Restaurant 1018 Mt. Prospect Plaza (NE cor. Rand, Central)	Social Dinner Meeting	5:30 PM 6:15 PM 7:15 PM
17	Valentine's Day Theatre Party	Power Engrng. Soc. (j/w Fox Valley Sub.)	(No information prior to publication)		
17-23	35th Annual National	Engineers' Week -	"Engineers: Turning Ideas Into Reality"		
19	"ISDN"	Communications Soc.	Sheraton-Naperville 1801 N. Naperville Blvd., Naperville, IL	Dinner Meeting	6:15 PM 7:00 PM
23-3/1	Seminar - "BASIC Programming for Engineers"	Northwest Sub.	Holiday Inn Rtes. 53 & 62 (Algonquin Rd.) Rolling Meadows, IL	9:00 AM--1:00 PM	
27	"Contract Cost Estimation"	Fox Valley Sub.	Wilton Manor 2200 N. Main St. Wheaton, IL	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
27	Video Conf. "Robot Dyna. & Control"	Chicago Section	To be determined	10:00 AM-3:00 PM	

ATTENTION OFFICERS OF MEMBER SOCIETIES AND SUBSECTIONS
Once each year the Chicago Association of Technological Societies (CATS), of which the Chicago Section of IEEE is a member, promotes an Annual Awards Dinner. The purpose of this dinner is to give special recognition to two or three individuals who have been proposed by the member societies as outstanding in their life work, in their contributions to their society's operations, and to society in general.

In the past IEEE members have appeared on this distinguished roster from time to time and we should certainly like to propose candidates for the next Awards Dinner which will occur May 7, 1985. Having your candidate receive this award also confers distinction on your own society. It also shows your outstanding members that your society appreciates them.

For a meaningful selection of the necessarily limited number of awardees, the Awards Jury must have the dossier showing your candidates qualifications at an early enough date to give it proper consideration. The Instructions for Submitting Candidates may be secured from Ed Koncel, (294-3365) or from John Staunton, (386-3892). The deadline for submissions is February 20, 1985. There is no limit on the number of candidates who may be submitted. Surely you must know one or more members who should rightfully be considered for this honor. Submit your candidates' dossiers early and give IEEE a chance to be well represented this year.

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 unemployed members. If marked "confidential," the applicant will be contacted by the IEEE office so that he/she may contact the prospective employer.

- AU - Sr. software engineer - cad/cam, data communications, systems development.
- AV - Telecommunications systems engr/mgr. - expert in HW and SW development.
- AW - Gen'l admin exper mgr engrg - mfg sales - mktg acct'g - office oper's hi tech.
- AX - Manager of R & D Lab - nuclear or spectroscopy - using computers.
- AY - An entry level analog/digital circuit designer position or test engr.

"PERSONAL COMPUTERS FOR THE ENGINEERING & BUSINESS PROFESSIONAL" will be presented by the Industry Applications/Industrial Electronics Societies on February 13, 1985. The leading performance features required on today's professional computer are graphics, spreadsheets, word processing, communications and database software. Combinations of these features, with new "user-friendly" hardware like touch-screens, new low-cost printers and rugged mass storage devices are making inroads in many labs and offices.

Speaker will be Ted Takasaki, Computer Systems Sales Representative with Hewlett Packard who will provide an update on personal computers - what are the components, why are they so popular, where are they used and what developments are in store for the future. There will be some hands-on demonstrations after the presentation. Ted has extensive training in personal computer concepts and specializes in the marketing of personal computers to major Chicago area accounts.

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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 Schultz, Member Services, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 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.

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Professional Activity

UPDATE

AS WE BEGIN A NEW YEAR AND A NEW CENTURY FOR THE IEEE it is appropriate for engineers to lift their heads from scopes and drafting boards to take a look at where we have been and where we are going. It is impressive indeed to look back and see the many accomplishments innovative engineering has spawned to benefit society. Listing these new products and their effect on our social structure would be repetitious, but it is important to point out as John Nesbitt has in his book "Megatrends" that most of the new jobs that have been created in the last 20 years have been in fields that did not exist prior to 1957.

Whether we realize it or not, we have moved into an information society. The industries that have supported us in the past will decline in importance as we accept the concept of the United States as part of a world market. The countries that can produce the steel, automobiles, and assembled products the most economically will supply the world market for these products.

From a sociological point of view this would be a desirable objective. This could raise the standard of living for many third world nations and make them less dependent on the United States for aid. This is small consolation for the displaced workers of these industries who must adapt to the changing employment pattern. Many states have programs to retrain these workers for new, more highly technical types of positions. In addition, the Federal Government has a program of Small Business Innovative Research Grants, to aid new High Technology Industries to develop the technology for the creation of new products and jobs to replace the less skilled positions lost due to lower cost foreign manufacturing.

A proposal has been made that the State Legislature fund matching grants to help keep these developing businesses in Illinois. The State of New York has already enacted such legislation and they feel the program has been successful in the promotion of High Tech industries in New York. This column will keep you informed on the progress of the proposed Bill.



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"ENGINEERS: TURNING IDEAS INTO REALITY" - The week of February 17-23, 1985 has been designated as the 35th Annual National Engineers' Week. Its purpose is to familiarize the public with the work of engineers and to honor outstanding members of the engineering profession.

The Chicago Chapter of the Illinois Society of Professional Engineers will once again be coordinating the display of engineering exhibits in downtown public buildings in observance of NEW. The exhibits will be on display in the lobbies of City Hall, Loop Federal buildings and others. The week of February 10 through the 16th will be reserved for exhibitors to set up their displays.

If your organization wishes to participate, call Robert Mack, Engineers' Week Chairman at 443-7808.

PAUL T. GREILING, 1984-85 DISTINGUISHED MICRO-WAVE LECTURER will be guest speaker at the Antennas & Propagation/Microwave Theory & Techniques Societies meeting February 4, 1985. The topic will be "High Speed Digital IC Performance Outlook." To meet the functional throughout requirements of future high speed signal processing systems and commercial computers, GaAs digital integrated circuits are being developed. In order to assess GaAs technology, his talk reviews the device technology and issues related to device/circuit design and fabrication of MSI/LSI complexity circuits operating at gigahertz clock frequencies, discusses limitations of the technology, compares with competing Si technologies, and presents applications where the technology will have a significant impact.

At present, Dr. Greiling is an Adjunct Professor in the Electrical Sciences and Engineering Department at UCLA and is head of the GaAs IC Design and Analysis Section working on both photolithography and electron-beam fabricated high-speed GaAs logic circuits. Dr. Greiling plays a leading role in GaAs IC technology as evidenced by his list of invited talks, papers and conference organizer/chairman positions. He is a member of MTT-S ADCOM and a Senior Member of the IEEE.

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VIDEO CONFERENCE TO BE HELD -
The Chicago Section of the IEEE will sponsor a video conference entitled "Robot Dynamics & Control" on February 27, 1985 from 10:00 A.M. to 3:00 P.M.

Further information will be published in the upcoming issue of Scanfax. For details, call Eleanor at the IEEE office, 236-4609.

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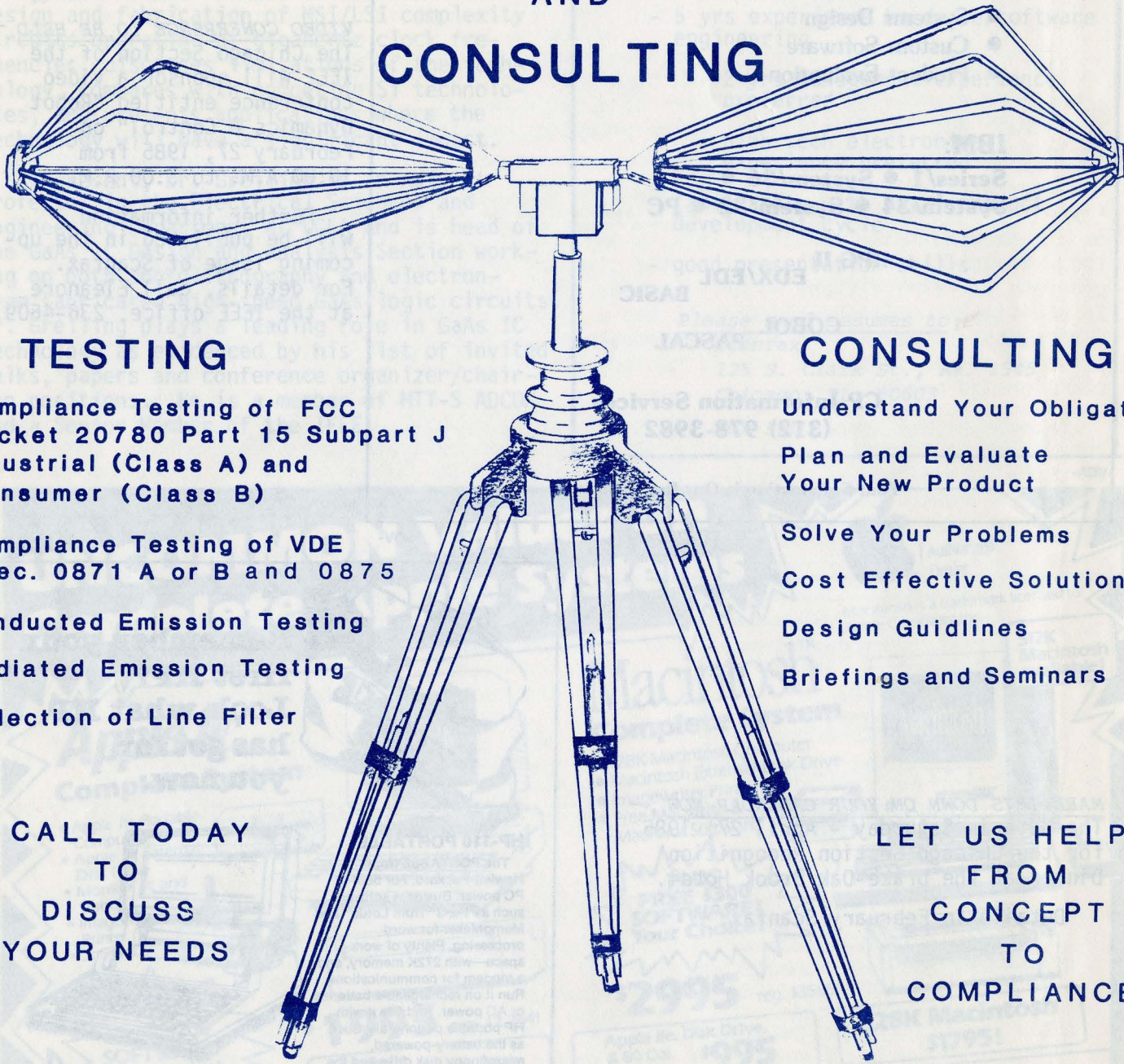
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