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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: FIRST WEEK OF MONTH PRIOR TO PUBN.

FEB.	8	Monthly Meeting ALL WELCOME	IEEE Executive Cte.	Brown & Root Offices 701 E. 22nd, Lombard	Meeting	7:30 PM
	9	"Electric Vehicles"	Industry Appls./ Industrial Elec- tronics Soc.	Nielsen's Village 7330 W. North Ave. Elmwood Park	Social Dinner Meeting	5:30 PM 6:30 PM 7:30 PM
	9	"Partial Dis- charge Test for Transformers"	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	2nd Reliability Certification Refresher Course	Reliability Soc. (Call H. Edfors at 369-8038)	College of DuPage (See article on pg. 4)	10 Weeks 7:00 PM - 9:30 PM	
	18	Dance - IEEE Student Chap. DeVry Inst. of Tech.	(Call Peter Mantas at DeVry student office, 929-8500)	Golden Flame Rest. 6417 W. Higgins Chicago	7:00 PM - 2:00 AM (See article on pg. 2)	
	20	Valentine's Day Dinner/Theatre Party	Power Engrng. Soc. (j/w Fox Val. Sub.)	Martinique/Drury Lane 2500 W. 95th St. Evergreen Park	Dnr. 4:30 - Show 7 PM (Call Bob Brauer, 294-8460)	
	20-26	33rd Annual National Engineers' Week -		"Engineers: Turning Ideas into Reality"		
	23	"Electronics for the Handicapped"	Fox Valley Sub.	Wilton Manor Geneva & Main Sts. Wheaton	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
	28	Tour - Hewlett-Packard	Vehicular Tech. Soc. (Call Jerry Underwood, 576-2757)	Hewlett-Packard 5201 Tollview Dr. Rolling Meadows	Tour	6:30 PM
MAR.	8	Monthly Meeting ALL WELCOME	IEEE Executive Cte.	Brown & Root Offices 701 E. 22nd, Lombard	Meeting	7:30 PM
	9	"Electronic Power Factor Controllers"	Industry Appls./ Industrial Elec- tronics Soc.	Nielsen's Village 7330 W. North Ave. Elmwood Park	Social Dinner Meeting	5:30 PM 6:30 PM 7:30 PM
	9	"Protection Relays"	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
	15-17	"Electri '83"	Electric Assn.	McCormick Pl., Chicago	2:00 PM - 9:00 PM	
	16	To be determined	Northwest Sub. (j/w Electron Dev.)	Mr. Peter's Banquets 1018 Mt. Prospect Plaza Rand & Central Rds.	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
	21	"Integrated Optics"	Antennas & Prop./ Microwave Theory & Techniques Soc.	Louis Restaurant 351 E. Lake St. Addison	Social Dinner Meeting	5:30 PM 6:30 PM 7:30 PM
	22	"Improving the Relia. of Electron. Switching Systems"	Reliability Soc.	Holiday Inn 17 W 350 on 22nd St. Oak Brook	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
	23	To be determined	Communications Soc.			
	30	"Radio Astronomy"	Fox Valley Sub.	Wilton Manor Geneva & Main Sts. Wheaton	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM

1983 RECOGNITION DINNER - The Chicago Section will hold its 1983 Recognition Dinner on Saturday - April 23 at Lancer's Restaurant in Schaumburg.

The Dinner is the Section's way of recognizing members who have made outstanding contributions to the electrical and electronics engineering profession. Entertainment and dancing will be provided.

For more details and tickets, contact Joe Tanney at 696-2000.

THE BLIND PLAYING SOFTBALL? TALKING DOGS? - These things and others are brought about through the application of "Electronics for the Handicapped" by the Telephone Pioneers of America and will be presented at the Fox Valley Subsection monthly dinner meeting on February 23.

The Indian Hill Council of Telephone Pioneers will discuss their numerous projects undertaken to aid the handicapped in work and play. Of particular interest is a *special computer keyboard* for individuals with fine motor impairments.

The Telephone Pioneers of America is a non-profit organization dedicated to community service and fellowship among telephone employees in the U.S. and Canada. The organization is made up of approximately 300,000 active and 300,000 retired employees of various telephone companies. Hawthorne Chapter #45 is the parent organization for the Indian Hill Council. Deadline for reservations is February 21. See Calendar of Events for meeting location and time.

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DeVRY PROMOTING IEEE STUDENT MEMBERSHIP - The Student Chapter of DeVry Institute of Technology will promote a drive for students to join the IEEE.

On Friday, February 18 a dance will be held with proceeds for DeVry's Student Chapter. It will be held at the Golden Flame Restaurant located at 6417 West Higgins (and Foster) in Chicago from 7:00 P.M. to 2:00 A.M. The Pawnz will provide music for dancing. There will also be a disc jockey and entertainment.

For advance reservations, the cost for an IEEE member and guest will be \$3.00; non-members and their guest will be charged \$6.00.

Call Peter Mantas, President, Student Chapter for more information and ticket reservations at DeVry's student office, 929-8500.

Professional Activity

UPDATE

SENATE COMMITTEE CHARGES SOVIETS WITH TECHNOLOGY THEFTS - After extensive staff investigation and five days of public hearings, a Senate panel has concluded that the Soviet Union freeloards on U.S. technology and devotes "more resources today than ever before to the task of obtaining and exploiting American technical expertise and equipment." In a report issued November 15, the Senate Permanent Committee on Investigations said it agrees with the CIA that "the Soviet Union's campaign to acquire Western technology" is "massive, well-planned and well-managed..." The panel, which is chaired by Sen. Roth said the government and the private sector should act promptly to blunt Soviet efforts. The private sector is not fully attuned to the problems, the Committee said, and must be given better information by the government. The FBI has a program aimed at improving the level of communication with defense contractors and - according to the Committee - "there is a need for similar efforts by other government agencies vested with technology transfer controls to inform companies dealing in sensitive, but non-classified technology of their responsibilities in this area."

The Soviet's put their technology gains to military use and consumer needs take a back seat to armaments. "Advanced American microelectronics, laser, radar and precision manufacturing technologies have been obtained by the Soviets and have enabled them to make giant strides in military strength at a minimum of risk, investment and resources," the Committee said. The Committee also proposed that Congress consider establishing a center for technical expertise to be located at one of the national laboratories, whose purpose would be 1) to provide technical evaluation on export cases too complex for routine licensing applications, and 2) to conduct research into technical questions related to export matters with Soviet bloc countries and characterize them in terms of the channel through which the loss was incurred, such as 1) scientific and technical exchanges, 2) student exchange programs, 3) sales of advanced technology equipment and know-how, and 4) illegal acquisitions. The Committee's 69-page report (No. 97-664) is entitled "Transfer of U.S. High Technology to the Soviet Union and Soviet Bloc Nations."

VTS TO TOUR HEWLETT-PACKARD - Have an early dinner at your favorite place and then join the Vehicular Technology Society for a tour of the Hewlett-Packard facility at 5201 Tollview Drive in Rolling Meadows. Hewlett-Packard is located due south of the Holiday Inn on Algonquin Road.

Hewlett-Packard will be displaying and demonstrating its broad line of test equipment. Some of the featured items will include microprocessors and microprocessor based test equipment, plotters, printers and telecommunications test equipment as would be used in the testing of cellular systems. A wine and cheese social will follow the tour.

The date for the tour is February 28. Call Jerry Underwood at 576-2757 for reservations. Tour time is 6:30 P.M.



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RELIABILITY BASICS SEMINAR - The Chicago Chapter of the IEEE Reliability Society will present its second *Reliability Certification Refresher* course. This course is preparatory for the American Society of Quality Control (ASQC) special examination to certify the competency of reliability engineers. The ten-week seminar will offer the basic fundamentals of reliability and maintainability, including the commonly used statistical mathematics as applied to components and products for various industries. Only a background in high school algebra is required for understanding the mathematics.

Reliability certification is issued upon successful completion of an exam (given in April and October) and means that you are recognized by your cognizant peer group. However, the examination is optional and we welcome those who use the course for a refresher or an introduction into Reliability Engineering.

For those interested, contact Hugh Edfors (369-8038) or A. Hundiwal (495-4180). The seminar will begin approximately February 15 and meet every Tuesday night thereafter for 10 weeks from 7:00 P.M. to 9:30 P.M. at the College of DuPage. The fee will be only \$100.00.

1982-83 NTT-S NATIONAL LECTURER - Dr. Joseph A. Giordmaine, Director of the Solid State Electronics Research Laboratory at Bell Telephone Laboratories in Murray Hill, New Jersey has been selected as the Microwave Theory and Techniques Society National Lecturer for 1982-83.

Dr. Giordmaine will be guest speaker at the Antennas & Propagation/Microwave Theory & Techniques Society dinner meeting on March 21. The theme of his presentation will be "Integrated Optics." His talk will explain the techniques for interconnecting optical components, the fabrication processes for hybrid and monolithic integrated optical circuits and the principles of electro-optic waveguide switching.

The lecture will present some highlights of the achievements and most recent work in integrated optics including laser and LED arrays, optical switching matrices, integrated detectors for multi-wavelength channels, wavelength multiplexing filters, high speed integrated laser modulators, integrated optical repeater structures and the integration of optical and electronic components. In conclusion, approaches to optical gates and logic and the prospects for on-chip-digital signal processing will be discussed.

Dr. Giordmaine has been a member of the IEEE Joint Council on Quantum Electronics since 1974 and has been involved with numerous international Quantum Electronics Conferences including Chairman of the Program Committee (1974) and General Chairman (1978). He has also served the Conference on Laser Engineering and Applications in various capacities. Dr. Giordmaine is a Fellow of the IEEE, the American Physical Society, the Optical Society of America and New York Academy of Sciences as well as a member of the European Physical Society, the American Astronomical Society and Sigma Xi.

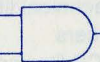
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CHICAGO SHOWCASE OF ELECTRICAL PRODUCTS LARGEST EVER - McCormick Place will be the site of ELECTRI '83, a triennial exhibit of electrical equipment and apparatus sponsored by the Electric Association. Opening March 15 for a three-day stand, over 10,000 electrical buyers including contractors, distributors, engineers, architects, builders, industrials, inspectors, utilities and others are expected to attend.

On display in 335 booths will be the newest electrical equipment and latest application techniques with emphasis on recent energy-saving devices. Bob Turek, Executive Vice President of the Electric Association indicated that ELECTRI '83 is the 18th such Exposition sponsored by the 57 year old industry organization headquartered at 125 South Clark Street. Show hours are 2:00 P.M. to 9:00 P.M. daily. Tickets, at no charge, will be available in the registration area.

"AUDIO SIGNAL PROCESSING" TOPIC FOR MAC '83 - The 1983 Midwest Acoustics Conference (MAC) will address the topic of "Audio Signal Processing." The topic will be approached from several important applications areas: Recording and Playback, Measurement and Instrumentation, Speech Generation and Recognition, Music and Sound Generation, Telecommunications, and Hearing Improvement. Each of the MAC '83 speakers is expert in his field and actively involved in state-of-the-art applications. Recent trends in both digital and analog technology, fast Fourier transform techniques and features of digital transmission will be discussed.

The Conference will be held at Hermann Hall, Illinois Institute of Technology in Chicago on Saturday - April 23 from 9:00 A.M. to 5:30 P.M. Several manufacturers of state-of-the-art transducers and instrumentation will be exhibiting and demonstrating their products in addition to the formal presentations.

The Midwest Acoustics Conference is sponsored by the Chicago Acoustical and Audio Group, the Audio Engineering Society, the Chicago Regional Chapter of the Acoustical Society of America, the Chicago Section of the Institute of Electrical and Electronics, Inc., and the IIT Research Institute.

For additional program and exhibit information, contact Ted Staniec, Knowles Electronics, Inc., 3100 North Mannheim Road, Franklin Park, Illinois 60131, (455-3600).

'MAN OF THE YEAR' DOING HIS JOB IN ELECTRICAL WAY - Bob Turek, Secretary/Executive Vice President of the Electric Association for the past 15 years insists he's just been doing his job. Apparently, he's been doing it quite well because he has been named "Man of the Year" in the Chicagoland electrical industry. He is the 20th recipient of the award. The honor is made annually by the J. P. Simons Award Committee and is based on the recipient's "perpetuating the promotion of friendly and cooperative relations throughout the electrical industry."

"Receiving this award came as quite a surprise," he said. "All I did was do my job, which is to run a trade association with so many segments that are so busy competing against each other. My job is to achieve some unity and harmony and cohesiveness among these groups. Other than that, my main function is education. Our training program is second to none. We also try to develop marketing programs that will help both the industry and the consumer." Bob Turek also organizes various social functions for his trade association. He has had a utility background in marketing and advertising before accepting his current position. Bob Turek also heads the Chicago Lighting Institute. "Anyone who needs information on lighting can call us for free information," Turek said. The award will be presented on Saturday - January 22 in the Grand Ballroom of the Conrad Hilton Hotel.

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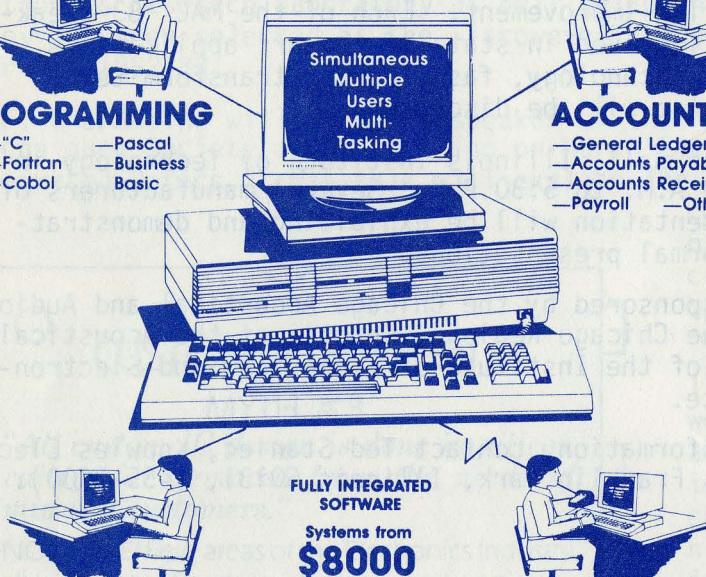
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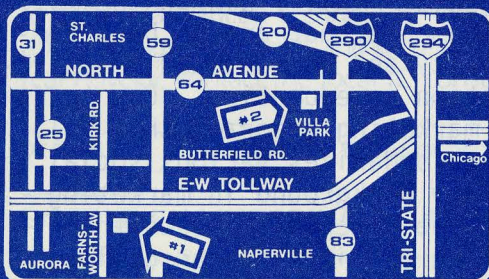
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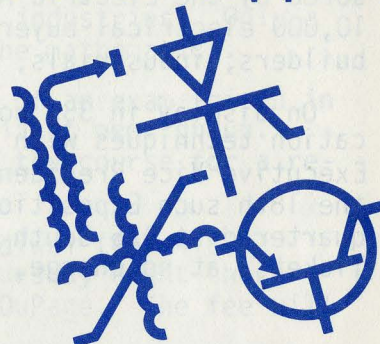
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