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Official Publication of the Chicago Section • Institute of Electrical & Electronics Engineers • April 1984

CALENDAR OF EVENTS

For reservations call the IEEE office at 236-4609

(unless otherwise indicated)

COPY DEADLINE: NO LATER THAN THE 25th OF THE MONTH

APR.	7	Seminar -	Northwest Sub.	Holiday Inn	9:00 AM--1:00 PM
		& BASIC Programming	(Inf., Howard Myers	Rtes. 53 62 (Algonquin Rd.)	
	14	for Engineers	815: 459-0100)	Rolling Meadows	
	10	Monthly Meeting -	IEEE Executive Cte.	McDonald's Plaza	Meeting 7:30 PM
		ALL WELCOME		NE corner McDonald Dr.	
				at 22nd, Oak Brook	
	10	"Nuclear	Electro.Compa.Soc.	To be determined	To be determined
		Magnetic	(j/w Engrng. in	(inf., Bob Hofmann	
		Resonance"	Medi. & Bio. Soc.)	979-3627)	
	11	Student Night	Industry Appls./	Zum Deutschen Eck	Social 6:00 PM
		(In affilia. w/	Industrial Elec-	2914 N. Southport Ave.	Dinner 7:00 PM
		DeVry Inst.of Tech.)	tronics Soc.	Chicago	Meeting 8:00 PM
	11	"Large Variable-	Power Engrng. Soc.	Carson Pirie Scott	Social 11:30 AM
		Speed Motor Drives"		Wabash & Monroe Sts.	Lunch 12:00 PM
				Highland Rm., 8th Fl.	Meeting 12:30 PM
	16	"Large Antenna	Antennas & Prop./	Louis Restaurant	Social 5:30 PM
		Systems for Space	Micro. T & T Soc.	351 E.Lake St.,Addison	Dinner 6:30 PM
		Applications"	(Spkr: Dr.Rahmat Samii,A & P Natl.Lecturer)	Meeting 7:30 PM	
	24-26	American Power	IEEE Power Engrng.Soc.	Palmer House	(Inf.R.Armington
		Conference	IIT & 8 other Soc.	State & Monroe,Chicago	567-3406)
	25	"Power Semi-	Electron Devices	Louis Restaurant	Social 5:30 PM
		Conductor	Soc. (j/w Reliabi.	351 E. Lake St.	Dinner 6:30 PM
		Reliability"	Soc.)	Addison	Meeting 7:30 PM
	25	"The What, When	Fox Valley Sub.	Wilton Manor	Social 6:00 PM
		& Where of		2200 N. Main St. at	Dinner 7:00 PM
		Industl.Robotics"		Geneva Rd., Wheaton	Meeting 8:00 PM
	25	Workshop - "New	Power Engrng. Soc.	Palmer House	8:00 AM--4:00 PM
		Direc.in Pwr.Indus."		(In conjunction w/American Power Conf.)	
	28	Recognition	IEEE Chicago Soc.	The Lancer Restaurant	Social 6:00 PM
		Dinner		1450 E. Algonquin Rd.	Dinner 7:00 PM
				Schaumburg	Enter. 8:30 PM
MAY	5	Tour - CTA Power	Industry Appls./	Merchandise Mart	Begin. 5:00 PM
		Distn. & Systems	Industrial Elec-	Chicago	
		Control Facili.	tronics Soc.		
	5	MAC '84 (Midwest	Audio Engrng. Soc.,	Film Ctr., School of	9:00 AM--4:00 PM
		Acoustics Conf.)	Chgo.Acous. & Audio	Art Inst. of Chgo.,	(Inf. Tom Yackish
		"Cinema Sound"	CRC of ASA & IEEE	Columbus Dr./Jackson	219:844-0520,x471)
	9	"Radio	Power Engrng. Soc.	Carson Pirie Scott	Social 11:30 AM
		Astronomy"		Wabash & Monroe Sts.	Lunch 12:00 PM
				Highland Rm., 8th Fl.	Meeting 12:30 PM
	15	Monthly Meeting -	IEEE Executive Cte.	McDonald's Plaza	Meeting 7:30 PM
		ALL WELCOME		NE corner McDonald Dr.	
				at 22nd, Oak Brook	
	19	Plant Facili.Tour/	Fox Valley Sub.	Gurnee, Illinois	To be
		Picnic,Great America			determined
	19	Pwr. Test. Lab.,	Power Engrng. Soc.	Franksville, Wisconsin	Tour
		McGraw-Edison Pwr.			10:00 AM--12:00 PM
		Systems Group			
	21-23	Workshop -	IEEE/EAB	IEEE Service Ctr.	8:00 AM--4:00 PM
		"SDK-85		445 Hoes Lane	(Inf.,Educa.Dept.
		Microcomputer"		Piscataway, N. J.	201:981-0060,x327)
	30	"New Directions	Fox Valley Sub.	Wilton Manor	Social 6:00 PM
		in Vehicle		2200 N. Main St. at	Dinner 7:00 PM
		Electronics"		Geneva Rd., Wheaton	Meeting 8:00 PM

PROFESSOR JEONG SPEAKER AT STUDENT NIGHT - The Industry Applications/Industrial Electronics Society will co-sponsor a Student Night with the DeVry Institute of Technology on Wednesday - April 11, 1984.

Professor Tung Hon Jeong will address the field of "Optical Electronics." Professor Jeong is an internationally known teacher and researcher in the areas of coherent optics and holographic applications. He was an invited lecturer to the Peoples Republic of China and has traveled to speak in the Soviet Union, Europe and at over 400 organizations in the United States.

Dr. Jeong graduated from Yale University, obtained his doctorate at the University of Michigan and now teaches at Lake Forest College, where he is the Director of the Holography Workshop. He is a traveling lecturer for the Optical Society of America, a Chautauqua lecturer for the American Association for the Advancement of Science, a member of S.P.I.E. and various honorary societies.

For reservations, IEEE members should call Eleanore at the IEEE office (236-4609). Students should contact the DeVry Student Association (929-8500, extension 245) for further information. Costs for dinner are \$12.75 for IEEE members, \$13.75 for non-members and \$10.75 for students registered through DeVry.

ELECTRON DEVICE AND RELIABILITY SOCIETIES will address some of the applications, problems and reliability associated with the use of the new emerging "glamour" devices called Power Integrated IC's (PI²C). These devices provide direct interface between microprocessors and memory I/O lines and power loads such as motors, displays, printers, disk drives, etc. The devices can be MSI to LSI in complexity and can combine logic, buffers and power drivers on a single chip to relieve some of the size, cost and reliability pressures experienced by most applications. The speaker at the April 25, 1984 dinner meeting will be Mark Heisig, Manager of Application Engineering for Interface Products, Sprague Semiconductor Division located in Worcester, Massachusetts.

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.

- AB - Electronics-microcomputers-communications-administration-documentation
- AC - Components engr. & QA/QC mgr., vndr.eval.,stds. & proc.,fail.amal., far east expert
- AD - Cellular phone & two-way radio tech./inst., 8 mos. experience; no FCC license
- AE - Technical PR: photography, case history, brochure, news release prep.
- AF - Electromagnetic, telecommunications systems engineering analysis, design
- AG - AA programmer software engineer seeking entry level position
- AH - Situ. wanted (AF group) M.E. with 5 yrs. teaching and industrial experience
- AI - Principal Electrical Engineer - generating station and substation projects
- AJ - Technologist specializing in digital development
- AK - Electl.drafting-field changes,updating cable tabs.,revis.& updating master diagrams

If you are an IEEE member and unemployed, call or write the Electric Association for the necessary form. Direct your request to: IEEE Placement Service • c/o Electric Assn. • 125 S. 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.

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IEEE 1984 RECOGNITION DINNER

The IEEE Chicago Section will hold its 1984 Recognition Dinner on Saturday - April 28 at The Lancer Restaurant, Grand Ballroom, 1450 East Algonquin Road, Schaumburg, Illinois. This 1984 IEEE Centennial Year is special as we will be honoring two Fellow awardees, fifteen Section awardees who will receive IEEE Centennial Medals and student awardees from our local universities.

The success of the Dinner is dependent on the supporting contributions of electrical and electronic companies in the Chicago area and the attendance of IEEE members and guests. Tickets are \$25.00 per person. Make your reservations e-a-r-l-y!

1984 DINNER COMMITTEE MEMBERS are: CHAIRPERSON, CHRISTINE ZIOLA, Zenith Radio Corporation; SECRETARY, FRANK LAKOWSKI, United Chemi-Con, Inc.; TREASURER, TREVOR HINCHLIFFE, Flolo Electric Company; PUBLICITY CHAIRMAN, DON SMITHANA, Kyocera International; TICKETS, MARGARET JONES, Bell Laboratories; PROGRAM/ARRANGEMENTS CHAIRMAN, JOSEPH TANNEY, United Chemi-Con, Inc. The SOLICITATIONS COMMITTEE consists of: CHAIRPERSON, CHRISTINE ZIOLA, Zenith Radio Corporation and LEN WISLOW, BECO, Inc. The INSTITUTIONAL COORDINATOR is ANDY GASIOROWSKI, Allen-Bradley Company and the SECTION COORDINATOR is GEORGE STOUT, G.P.E. Controls, Inc.

DATE: Saturday - April 28, 1984
TIME: 6 P.M. (Cocktails) 7 P.M. (Dinner) Followed by presentation of awards
PLACE: The Lancer Restaurant 1450 East Algonquin Road Schaumburg, Illinois
ENTERTAINMENT: Clay & Sally Hart (8:30 P.M.) Followed by dancing
FELLOW AWARDS: EDWARD ROBERTS, President, Kenton Engineering
WOLFGANG BOERNER, Professor of Engineering Sciences

RECIPIENTS OF 1984 IEEE CENTENNIAL MEDAL: GEORGE W. AUSTIN, Commonwealth Edison Company; JAMES H. BEALL, Teletype Corporation; RICHARD A. BULLEY, Commonwealth Edison Company; PAUL F. CARROLL, Semiconductor Specialists; HUGH C. EDFORS, Rel Tek Engineering Associates; EDWARD H. HORN, Westinghouse Electric Corporation; PAUL E. JAHN, Commonwealth Edison Company; KEITH W. KLONTZ, McHenry Electric & Supply Company; EDWARD F. KONCEL, Commonwealth Edison Company; DENNIS W. LAMONT, Weldy/Lamont Associates, Inc.; PETER A. MANTAS, DeVry Institute of Technology; NORBERT R. ORSZULA, Brown & Root, Inc.; JAMES P. RALSTON, Allen-Bradley Company; JOHN E. WATERS, Bussmann Manufacturing Div., McGraw-Edison Co.; HOWARD L. WOLFMAN, Grayhill, Inc.

Mail reservation to: Margaret Jones 1124-B Bunker Hill Wheaton, IL 60187
For information call: Chris Ziola (bus.) 979-5895 (res.) 391-7134

Enclosed is my check in the amount of \$ covering tickets at \$25.00 each (\$50.00 per couple) for the 1984 IEEE Recognition Dinner at The Lancer Restaurant in Schaumburg, Illinois.

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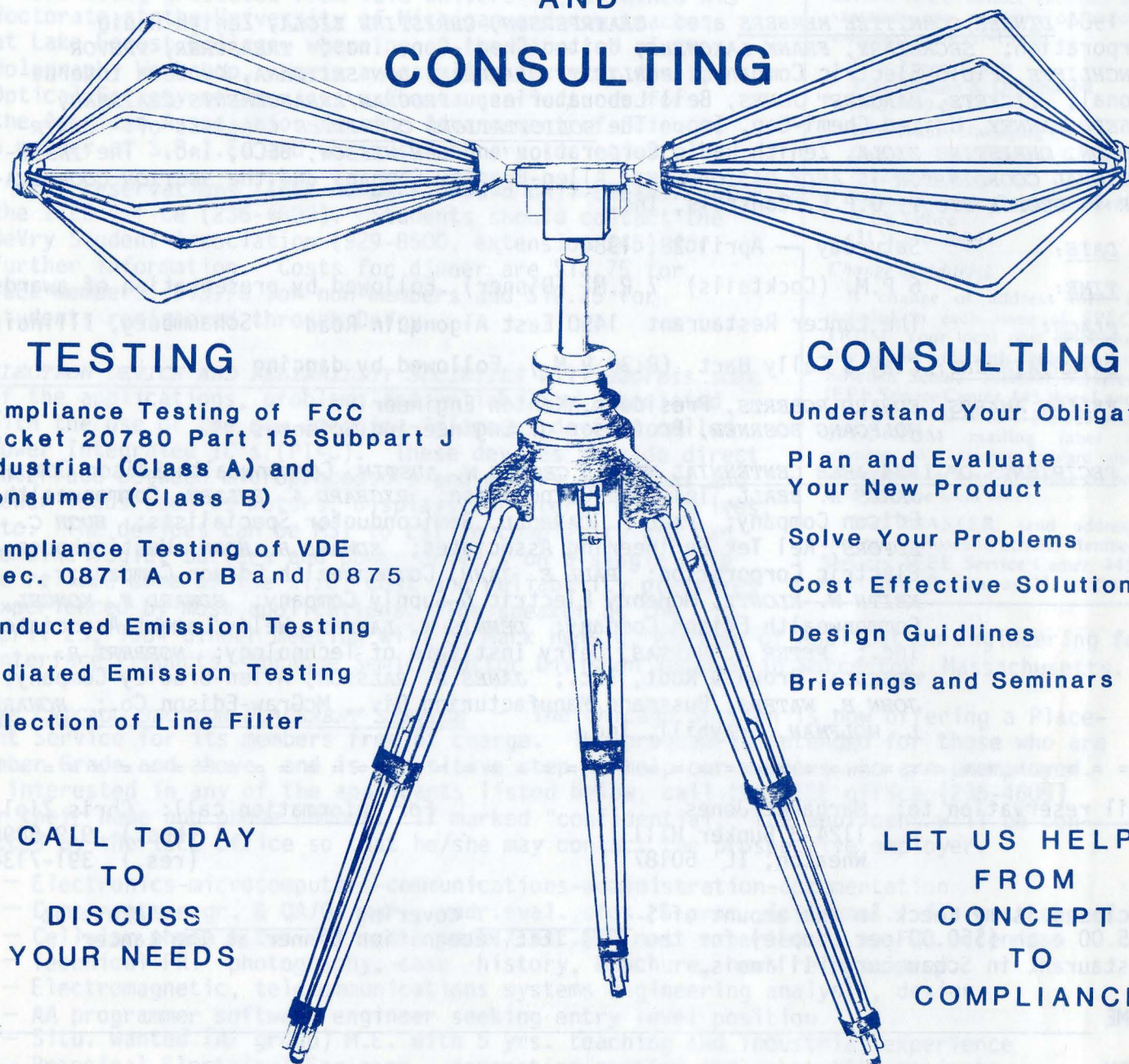
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Professional Activity

UPDATE

CAMPAIGN WAGED TO GET TAX BREAK FOR EDUCATION AND TRAINING COURSES — IEEE has joined the major educational associations and several church-related educational groups to urge Congress to reinstate the tax-free status of employer educational assistance. The education coalition, which also consists of unions and some of the Fortune 500 companies, was coordinated by the American Association for Training & Development. IEEE was one of the fifty or so organizations that signed letters to the Senate Finance Committee and the House Ways & Means Committee members seeking a return to the tax status that existed before the law expired on December 31, 1983. Late last year, USAB (United States Activities Board), testified before a Ways & Means Subcommittee on the House bill (H.R. 2568). Later the subcommittee approved the bill, but it has not been acted upon by the full committee. In the Senate, a companion bill (S. 249) providing for a two-year extension of the law was approved as part of the Senate Finance Committee's deficit and spending reduction tax package.

The Treasury Department has opposed the legislation all along. The Internal Revenue Code treats most educational expenditures as non-deductible personal expenses. No deductions are allowed for the costs of private secondary school, vocational school or college education to prepare people for entry-level jobs in occupations of their choice. But the tax code makes an exception for educational expenditures individuals make to maintain or improve their job skills or to meet requirements of their employers. These "job-related education" expenses can be deducted. Not deductible, however, are expenses for education or training designed to qualify a worker for a new trade or business.

=====

ANNUAL ELECTION — The IEEE Chicago Section Nominating Committee composed of Howard Wolfman, Chairman, Dennis Lamont, Jim Ralston, John Waters and Paul Geiger has selected the following slate of candidates for Section Officers and Executive Committee members for the 1984-85 term. Please mark your choices on the ballot below. If you wish to vote for another member, write the name in the space provided and check the box. **VOTE! VOTE!**

OFFICERS (Vote for four)

Chairman	Vice Chairman	Treasurer	Secretary
☐ George Thomas Contemporary Control Sys., Inc.	☐ Henry Korman Noble U.S.A.	☐ Norbert Orszula Brown & Root, Inc.	☐ Margaret Jones Bell Tele. Labs.

☐ _____ (write-in)

EXECUTIVE COMMITTEE (Vote for eight)

☐ Andy Gasiorowski Allen-Bradley Co.	☐ Keith Klontz McHenry Electric & Supply Co.	☐ Douglas Smith Square D Co.	☐ George Stout GPE Controls
☐ Terence Sumner Motorola, Inc.	☐ John Tyner Cleworth Pubns.	☐ John Waters Bussmann Mfg. Div.	☐ Howard Wolfman Grayhill, Inc.

☐ _____ (write-in)

Mail the ballot to: Howard Wolfman, Nominating Committee Chairman • IEEE Chicago Section • 125 South Clark Street, Room 1545 • Chicago, Illinois 60603. Ballots must be received no later than April 15, 1984. Results will be announced in the May issue of Scanfax.

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