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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

APR.	2	"Applications & Problems - EMC Shielding"	Electro. Compa. Soc. (For reser., H. R. Hofmann, 979-3627)	Hilton Inn 3033 Corporate West Dr., Lisle, IL	Social Dinner Meeting	6:30 PM 7:00 PM
	6 & 13	Seminar - "BASIC Programming for Engineers"	Northwest Sub. (Inf., Howard Myers 815: 459-0100)	Holiday Inn Rtes. 53 & 62 (Algonquin Rd.) Rolling Meadows, IL		9:00 AM--1:00 PM
	9	Monthly Meeting ALL WELCOME	IEEE Executive Cte.	Allen-Bradley Co., 910 Pasquinelli Dr., Westmont, IL	Meeting	7:30 PM
	10	Student Night - "Photovoltaic Technology"	Industry Appls./ Industrial Electronics Soc.	Mr. Peter's Rest. 1018 Mt. Prospect Plaza (NE cor. Rand, Central)	Social Dinner Meeting	5:30 PM 6:15 PM 7:15 PM
	10	"138 KV Solid Dielectric Cable"	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
	17	"Digital Signaling Processor"	Communications Soc.	Wilton Manor, 2200 N. Main St., Wheaton, IL	Dinner Meeting	6:15 PM 7:00 PM
	22-24	American Power Conference	IEEE Power Engrng. Soc., IIT & 8 Soc.	Palmer House, State & Monroe Sts., Chgo., IL	(Inf., Dr. G. F. Saletta, 567-3406)	
	24	"Freq. & Time Sources - Past, Pres. & Future"	Fox Valley Sub. (j/w Sonics & Ultrasonics Grp.)	Wilton Manor 2200 N. Main St. Wheaton, IL	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
	27	Recognition Dinner	IEEE Chicago Sec. (Inf./res., Steven Smidler, 325-6750)	Drake Oak Brook Hotel West 22nd & York Rd. Oak Brook, IL	Social Dinner Enter.	6:00 PM 7:00 PM 8:30 PM
	27	MAC '85 (Midwest Acoustics Conf.) "Audio Cinemagic"	Audio Engrng. Soc., Chgo. Acous. & Audio CRC of ASA & IEEE	Film Ctr., School of Art Inst. of Chicago, Columbus Dr./Jackson		9:00 AM--4:00 PM (Inf., Brian Homans, 677-3340)
MAY	7	1) "Filtered Conn. for Comm." & 2) "Canadian EMC Develop."	Electro. Compa. Soc. & Mili. Appls.	To be determined Hofmann, 979-3627	(Reser., H. R. Hofmann, 979-3627)	
	9	"P.C.B. - Toxic Waste"	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
	11	Tour - Argonne Natl. Laboratory	Industry Appls./ Industrial Electronics Soc.	Visitors Recep. Ctr. 9700 S. Cass Ave. entrance (1 mile south of Interstate 55), Argonne, IL		9:00 AM-12:00 PM
	14	Monthly Meeting ALL WELCOME	IEEE Executive Cte.	Allen-Bradley Co., 910 Pasquinelli Dr., Westmont, IL	Meeting	7:30 PM
	14-16	T&D - Transmission & Distn. Expo	Transmission & Distribution Magazine	O'Hare Expo Center 9301 Bryn Mawr Ave. Rosemont, IL	(For informa., John Tyner, 469-5534)	
	21	"Automated Data Acquisition"	Northwest Sub.	Mr. Peter's Rest. 1018 Mt. Prospect Plaza (NE cor. Rand, Central)	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
	29	"Industrial Application of Microprocessors"	Fox Valley Sub.	Wilton Manor 2200 N. Main St. Wheaton, IL	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM

NOMINATE DENNIS LAMONT FOR REGION 4 DIRECTORSHIP - At the IEEE Region 4 Committee meeting in Chicago, February 2, Dennis Lamont was selected as a nominee for Region 4 Director-Elect. The election will be held in conjunction with the IEEE elections in September. Dennis is currently Region 4 Central Area Chairman and has been active in local IEEE organizations for a number of years. His past assignments include Chicago Section Chairman and Industry Applications Society/Industrial Electronics Society Chairman. Dennis is President of Weldy/Lamont Associates, Inc.

FOX VALLEY SUBSECTION IS BEGINNING TO PLAN its monthly and special programs for the 1985-86 season and invites comments, suggestions, or even gripes in order to bring the best, most timely, and most responsive programs to its members and friends. If you can contribute in these ways - or if you can help secure or arrange for any such programs - let Chuck Borchert know (or leave word with his secretary) at 979-7005. Help will be graciously received until at least May 1 (no reasonable offer refused!).

IAS/IES TO TOUR ARGONNE NATIONAL LAB ON MAY 11 - Argonne National Laboratory currently performs basic and applied research in the areas of Physical Sciences - solid state materials, physics, math, chemistry and computer science, Nuclear Reactor R&D - breeder technology and safety, Bio-medical and Environmental Research - early detection of cancer, and Alternative Energy Technologies - ranging from fuel synthesis and battery research to investigations into solar energy capture.

Argonne has a number of unique installations, including the intense Pulsed Neutron Source, the Argonne Tandem Linear Accelerator System, and the High Voltage Electron Microscope. Argonne was the first American national laboratory, and is operated by the University of Chicago for

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the U.S. Department of Energy. It covers 1,700 acres in Argonne and employs 4,200 people, including 1,500 scientists and engineers.

A list of visitors to Argonne must be provided prior to the tour in order to expedite admission through security. The size of the group is limited. Registrants will assemble at the Visitors Reception Center. Depending on the facilities in operation, our interests and our tour guide, procedure to various other buildings will be by car. Cameras and VCR's are welcome. There are no food services available on Saturday, so grab that second cup of coffee at home.

Call Eleanore at the IEEE office, (236-4609) for reservations on or before May 1. See Calendar of Events for exact location and time.

SCANFAX, (Publication) number (ISSN 0018-1297), April 1985 Volume 37, Number 8 SCANFAX is published monthly, except July and August by the Chicago Section. Institute of Electrical and Electronics Engineers for the information of its members. Business Office is at 125 S. Clark St., Chicago, Illinois 60603, telephone number (312) 236-4609. Subscription rate for IEEE members collected in dues. \$1.50; for others, \$3.00 per year. Second class postage paid at Chicago, Illinois Unless otherwise specified, Chicago Section IEEE neither endorses nor sanctions any positions or actions espoused in SCANFAX.

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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 you SPECTRUM mailing label if possible. We cannot forward this information for you, so please do not send it to the local office.

"POSTMASTER: send address changes to Roseann Schultz, Member Services, IEEE Service Center 445 Hoes Lane, Piscataway, NJ 08854."

Professional Activity

UPDATE

HOW DO YOU GET RID OF A HANGOVER? The hangover I'm referring to is the Illinois Scaffold Act, which has been around since 1907. It now causes one of the major headaches of building development in this state.

This act in its original intent was good, but when Workmen Compensation benefits became law in 1911 it was no longer needed but never repealed. Now because of the double jeopardy, employers must pay millions of dollars in higher insurance premiums and the cost of defending themselves against litigation. These costs must be passed on to the consumer and the cost to developments in Illinois. This is the only state where such a law remains on the books after workman's compensation laws govern.

Strangely very few people are even aware of this outdated law.

It's about time for the engineers to take some action to repeal this 78-year-old law. Illinois with its high unemployment rate compared to other states cannot afford to let obstacles such as this continue.

So what do we do. We write our state legislatures and let them know that they must do something to repeal the Scaffold Act. It's your time to act.

The Illinois Engineering Council feels that this law is harmful to good business in Illinois. If you need more information about it, I'm sure they would be glad to furnish it.

Annual Election

The IEEE Chicago Section Nominating Committee composed of W. E. Everson, Chairman, Paul Geiger, Dennis Lamont and Howard Wolfman has recommended the following slate of candidates for Section Officers and Executive Committee members for the 1985-86 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.

OFFICERS (Vote for four)

Chairman	Vice Chairman	Treasurer	Secretary
☐ Henry Korman Gentry Sales & Engineering	☐ Norbert Orszula Signa Energy Services	☐ Edward Barrett Contemporary Control Sys., Inc.	☐ Terence Sumner Motorola, Inc.
☐			
(write-in)			

EXECUTIVE COMMITTEE (Vote for eight)

☐ Len Cohen Underwriters Laboratories	☐ Andy Gasiorowski Allen-Bradley Co.	☐ Robert Hofmann Bell Laboratories	☐ Robert Schrage Commonwealth Edison Co.
☐ Douglas Smith Square D Co.	☐ George Stout GPE Controls	☐ John Waters Bussmann Mfg. Division	☐ Howard Wolfman Grayhill, Inc.
☐			
(write-in)			

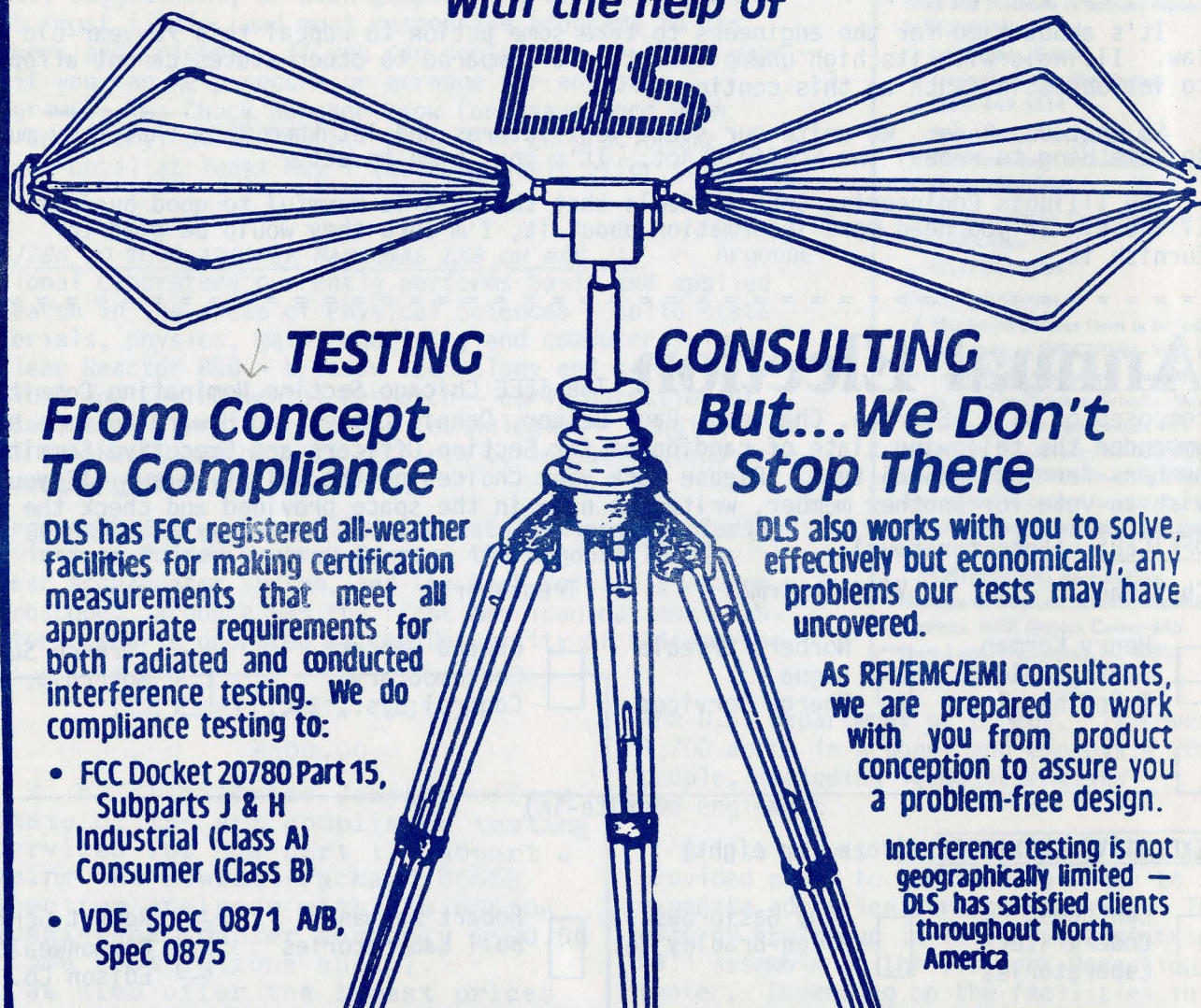
Mail the ballot to: W. E. Everson, Nominating Committee Chairman • c/o IEEE Chicago Section • 125 South Clark Street, Room 1545 • Chicago, Illinois 60603. Ballots must be received no later than April 15, 1985. Results will be announced in the May Scanfax.

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S&C ELECTRIC COMPANY NAMES FOUR VP'S — Four Chicago Section IEEE members were promoted in February by S&C Electric Company, Chicago-based high-voltage switch and fuse designer and manufacturer.

Those promoted are: David L. Gilmer, Regional Vice President — Northwest-North Central Sales Region; James C. Gorman, Regional Vice President — East Central Sales Region; Frank P. Tighe, Jr., Vice President — Marketing; and James R. West, Vice President — Sales. All four are Registered Professional Engineers.

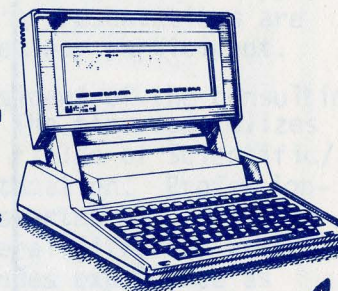
RECOGNITION DINNER — The IEEE Chicago Section will hold their annual Recognition Dinner on Saturday — April 27, 1985 at the Drake Oak Brook Hotel on West 22nd and York Road in Oak Brook. Tickets are \$28.00 per person. If you have not already done so, make your reservations t-o-d-a-y.



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Morning & Afternoon
Sessions



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—Adv—

PLACEMENT SERVICE - The Chicago Section is now offering a Placement Service for its members free of charge intended for those who are Member Grade and above. If interested in any of the applicants listed below, call the IEEE office at 236-4609 for their name and phone number. Applicants should call the IEEE office for instructions on listing. The IEEE and Electric Association waive any responsibility in determining the creditability, accuracy or qualifications of applicants or employers.

- AZ - Systems development engineer - IMS, CICS & data communication systems.
- B1 - Electrical engineer licensed sales of power equipment utility & indust.
- B2 - Digital & analog circuit design - electronic devices.
- B3 - Comp oper., prog/analyst, MS comp SC, exp: COBOL, RPG, BASIC, IBM-4341, PDP, C64.
- B4 - Sr. software engineer - CAD/CAM, data communications, systems development.
- B5 - Electro-mechanical product design telecommunication products, CAD exper.
- B6 - Process control/communications - HW/SW design - project mgmt. exper.

EMC UPDATING MAILING LIST - The Electromagnetic Compatability Society has not updated its mailing list since 1981. If you wish to be retained, or added to their mailing list, please call Chairman H. R. Hofmann at 979-3627 as soon as possible.

COMPUTER PROGRAMMING SEMINAR

OFFERED BY NORTHWEST SUBSECTION

BASIC Programming for Engineers is a seminar to introduce the BASIC computer programming language to Engineers and other technical people. The Northwest Subsection has sponsored it for the past two years and it has been well-attended. This year, it will be presented in two 4-hour segments on consecutive Saturday mornings - April 6 and April 13 from 9:00 a.m. to 1:00 p.m. Seminar participants will receive a copy of the seminar notes and workbook. Copies of all visuals used in presentations are included. A certificate of completion will be issued to each seminar participant.

The seminar will again be conducted by Howard Wm. Myers, President of the consulting firm of H. Wm. Myers and Associates in Crystal Lake, Illinois. The firm specializes in Systems Consulting, Analysis and Programming services in the fields of Scientific/Engineering problem solving, Process Controls and Industrial Automation. Professionally, Howard has more than 18 years industrial experience. He started his firm some 9 years ago. He has instructed Programming and Analysis on several different academic and industrial levels, including college. Howard's career includes experience as process engineer, programmer, systems analyst, engineering manager and control systems coordinator. He is a member of the IEEE and serves as Vice Chairman of the Northwest Subsection.

Here is a brief seminar outline: I. Intro to Computers and Programming - Brief computer and programming history, Computer Functional internals - The need for BASIC - Accessing your computer. II. BASIC Commands and Statements - Numeric notation - Variables Arithmetic in BASIC - Direct execution - Stored programs. III. More BASIC Groundrules - Program execution - Prompts - Renumber command - Transfers, Conditional and Unconditional - Loops. IV. Intermediate BASIC - Functions, Library and User-defined - Arrays - Formatted output - Strings - Benchmarks - Mass storage and Files - Syntax, Semantic and Logic Errors - Program examples.

RESERVATION FORM

(Space is limited and reservations are recommended)

() Please enter my reservation. I have included full payment of:

() \$95 for IEEE members. Membership # _____

() \$115 for non-members.

() Please reserve my place. \$25 deposit enclosed. Balance payable at door.

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Make checks payable to: IEEE Northwest Subsection

Mail reservations to: Scott Sundell (NW Subsection Treasurer)
590 Fairway View Drive - Apartment 1J
Wheeling, IL 60090

For further information contact: Howard Wm. Myers at 815: 459-0100

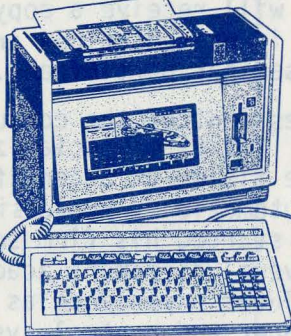
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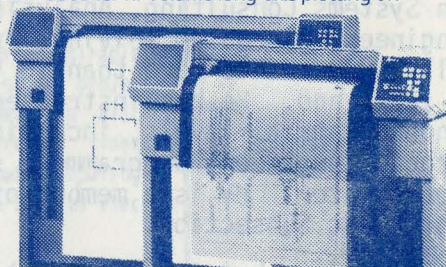
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—ADV—

SHORT COURSE ON DATA ACQUISITION BUSES

In connection with the IEEE "4th Real-Time Conference" to be held in the Americana Congress Hotel in Chicago on May 20th will be a short course on common data acquisition buses such as FASTBUS, MULIBUS, VME, etc. Please contact Lester Welch, 972-5365 for further details.