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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

MAR 13	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	McDonald's Plaza NE corner McDonald Dr. at 22nd, Oak Brook	Meeting	7:30 PM
13	"The Challenge of Local Area Technologies"	Communications Soc. (j/w ACM, Chicago Chapter)	Standard Oil Bldg. Michigan & Randolph Chicago	Social Dinner Meeting	5:30 PM 6:30 PM 7:30 PM
14	"Static Trip Conversion for L.V. Circuit Breakers"	Industry Appls./ Industrial Electronics Soc.	Mr. Peter's Rest. 1018 Mt. Prospect Plaza Rand & Central Rds.	Social Dinner Meeting	5:30 PM 6:15 PM 7:15 PM
14	"Protective Relay Applications"	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	Tour - Fermilab	Northwest Sub.	Lobby, Central Lab. Bldg. Fermilab, Batavia	Tour (Reser. necessary)	9:00 AM
19	"Modern Micro. Measurements" (Spkr: Dr. Stephan Adam, MTT Natl. Lecturer)	Antennas & Prop./ Micro. T&T Soc.	Louis Restaurant 351 E. Lake St. Addison	Social Dinner Meeting	5:30 PM 6:30 PM 7:30 PM
28	"Applica. Considera. for Variable Freq. AC Drives"	Fox Valley Sub.	Wilton Manor 2200 N. Main St. at Geneva Rd., Wheaton	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
APR. 7 & 14	Seminar - BASIC Programming For Engineers	Northwest Sub. (Inf., Howard Myers 815: 459-0100)	Holiday Inn Rtes. 53 & 62 (Algonquin Rd.) Rolling Meadows		9:00 AM--1:00 PM
10	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	McDonald's Plaza NE corner McDonald Dr. at 22nd, Oak Brook	Meeting	7:30 PM
10	"Nuclear Magnetic Resonance"	Electro. Compa. Soc. (j/w Engrng. in Medi. & Bio. Soc.)	To be determined (Inf., Bob Hofman, 979-3627)	To be determined	
11	Student Night (In affilia. w/ DeVry Inst. of Tech.)	Industry Appls./ Industrial Electronics Soc.	Zum Deutschen Eck 2914 N. Southport Ave. Chicago	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
11	"Large Variable-Speed Motor Drives"	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
24-26	American Power Conference	IEEE Power Engrg. Soc., IIT & 8 other Soc.	Palmer House State & Monroe, Chicago	(Inf., R. Armington 567-3406)	
25	"Power Semiconductor Reliability"	Electron Devices Soc (j/w Reliability Soc.)	Louis Restaurant 351 E. Lake St. Addison	Social Dinner Meeting	5:30 PM 6:30 PM 7:30 PM
25	"The What, When & Where of Industl. Robotics"	Fox Valley Sub.	Wilton Manor 2200 N. Main St. at Geneva Rd., Wheaton	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
25	Workshop - "New Direc. in Pwr. Indus."	Power Engrng. Soc.	Palmer House (In conjunction w/ American Power Conf.)		8:00 AM--4:00 PM
28	Recognition Dinner	IEEE Chicago Soc. (Complete details in April issue)	The Lancer Rest. 1450 E. Algonquin Rd. Schaumburg	Social Dinner Enter.	6:00 PM 7:00 PM 8:30 PM

RECOGNITION DINNER - Marking the 100th anniversary of IEEE, this year's Chicago Section Recognition Dinner will be held on Saturday - April 28 at The Lancer Restaurant, Schaumburg.

Again this year the Dinner will combine a special gathering of some of the people who have helped shape this dynamic industry, along with the usual fine food, music and entertainment. Awards will be given to recognize the achievements and efforts of individuals and members who have contributed much to this important electrical industry and Society. Complete details will be published in April Scanfax.

NOMINATE 1984-85 OFFICERS AND EXECUTIVE COMMITTEE MEMBERS - 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: Chairman - George Thomas, Contemporary Control Systems, Inc.; Vice Chairman - Henry Korman, Noble U.S.A.; Treasurer - Norbert Orszula, Brown & Root, Inc.; Secretary - Maggie Jones, Bell Telephone Labs.

Executive Committee candidates include: Finance - Terence Sumner, Motorola, Inc.; Program - Keith Klontz, McHenry Electric & Supply Company; Professional Activities - John Waters, Bussmann Manufacturing Division; Publications - John Tyner, Cleworth Publishing Company; Special Events - George Stout, GPE Controls; Conference - Howard Wolfman, Grayhill, Inc.; Membership - Douglas Smith, Square D Company; Student Activities - Andy Gasiorowski, Allen-Bradley Company. Your ballot will appear in our April issue. Space will be provided for write-in votes.

"STATIC TRIP CONVERSION FOR LOW VOLTAGE CIRCUIT BREAKERS" - The low voltage air circuit breaker has been a major component in industrial power systems for more than 30 years. With proper maintenance, those breakers can be used for the entire life of an industrial plant. The most difficult to maintain and most often neglected portion of the breaker is the trip unit. The vast majority of breakers in service have electromechanical trips.

In order to assist our members who are called upon to update and improve existing brochure instructions, we have arranged for a presentation by M. W. Smashey, Manager, Westinghouse Engineering Services. Mr. Smashey will discuss retrofitting of solid state trips to existing breakers. The talk will also cover improvements in coordination capability and ground fault protection which occurs with solid state trips. These benefits are in addition to less frequent maintenance and easier testing. This informative meeting will be sponsored by the Industry Applications Society/Industrial Electronics Society on March 14. See Calendar of Events for meeting location and time.

FELLOW AND OTHER AWARDS - Over the past years, a number of members of the Chicago Section have been honored to receive Fellow Awards. It is now time to nominate candidates for this year. The **absolute deadline** for **all material** (completed nominating form, letters of individual references and the Section reference) to be at New York Headquarters is **April 30, 1984**. Chicago Section needs information from the nominating form by March 30 in order to prepare and mail in the Section reference. Ed Koncel (294-3365) has the nominating kits.

There are numerous other awards in recognition for outstanding achievements. There are 14 different Field Awards, 6 Major Annual Medals, a Medal of Honor, a Service Award and 3 Prize Paper Awards. The nominating deadlines are March 31, 1984 for the Field Awards and June 30, 1984 for the others. A detailed "IEEE Awards Guide -- An Invitation to Nominate" booklet is available along with nominating forms from: Staff Secretary • IEEE Awards Board • 345 East 47th Street • New York, New York 10017.

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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 Schulz, 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.

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

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 NW 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. Here are the details:

When: April 7 and April 14 from 9 a.m. to 1 p.m.
Where: Holiday Inn, Rolling Meadows
Rte. 53 and Rte. 62(Algonquin Road)

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 17 years industrial experience. He started his firm some 7 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 I.E.E.E. and serves as Secretary of the NW Subsection.

BASIC Programming for Engineers - BRIEF SEMINAR OUTLINE

- I. Intro to Computers and Programming - Brief computer & programming history
- Computer functional internals - The need for BASIC - Accessing your computer.
- II. BASIC Commands & Statements - Numeric notation - Variables Arithmetic in BASIC - Direct execution - Stored programs
- III. More BASIC Groundrules - Program execution - Prompts - Renumber command - Transfers, Conditional & Unconditional - Loops
- IV. Intermediate BASIC - Functions, Library & 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 I.E.E.E. members. Membership # _____
 - ☐ \$115. for non-members.
- ☐ Please reserve my place. \$25 deposit enclosed. Balance payable at door.

NAME: _____ TITLE: _____
COMPANY: _____
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MAKE CHECKS PAYABLE TO: I.E.E.E. Northwest Subsection.
Mail reservations to: Ron Vaichowski (NW Subsection Treasurer)
c/o Underwriters Laboratories
333 Pfingsten Road
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For further information, contact: Howard W. Myers at 815 459-0100

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Professional Activity

UPDATE

GOVERNMENT PLANS TO PUSH PRACTICAL ENERGY CONSERVATION R&D — A Department of Energy official has recently urged a change in the government's policies and focus in energy conservation research. Pat Collins, Undersecretary, said the Federal government's investments in conservation R&D should be geared toward technologies that can be transferred to the private sector. "Technology transfer is the key to R&D," Collins said. "For too long, the government has been researching and demonstrating technologies and making them available to the private sector, only to discover that the private sector can't use them, or at least can't use them in the way they were developed."

Collins said the Reagan administration considers energy conservation an important endeavor but emphasized that the government's role in conservation is to act as a catalyst, "without becoming a direct participant in the marketplace." The Administration has been criticized in the past of cutting back on energy conservation measures. However, when Collins assumed office, he was directed by the Secretary of Energy to restructure DOE's policy on conservation and renewables. Collins himself said the government can show its support for conservation initiatives by backing measures like the conservation and solar energy tax credit programs.

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.

AA — Senior electronics engr. analog/digital circuit/system design - reliab.
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

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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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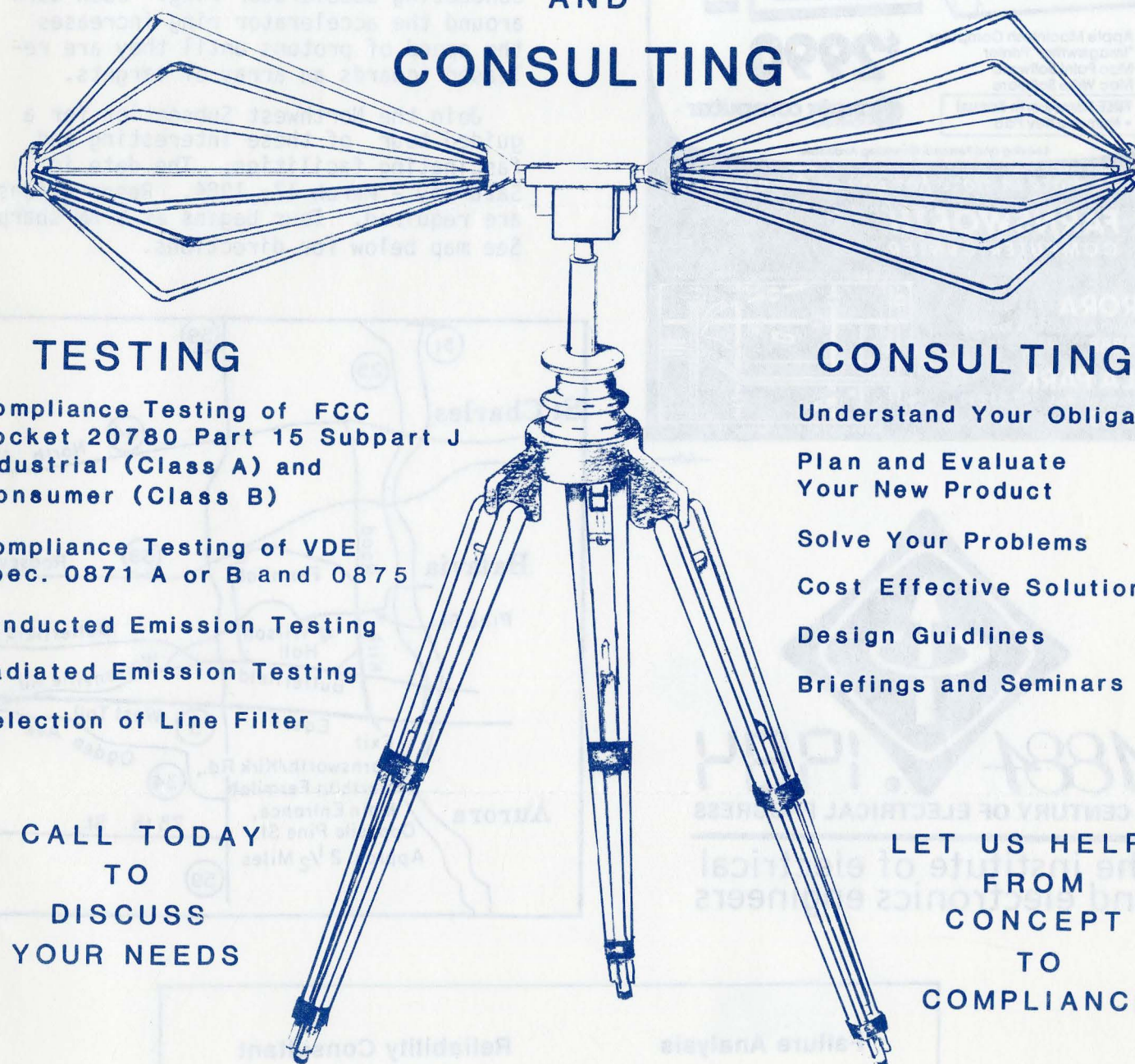
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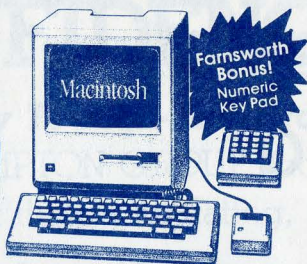
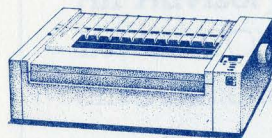
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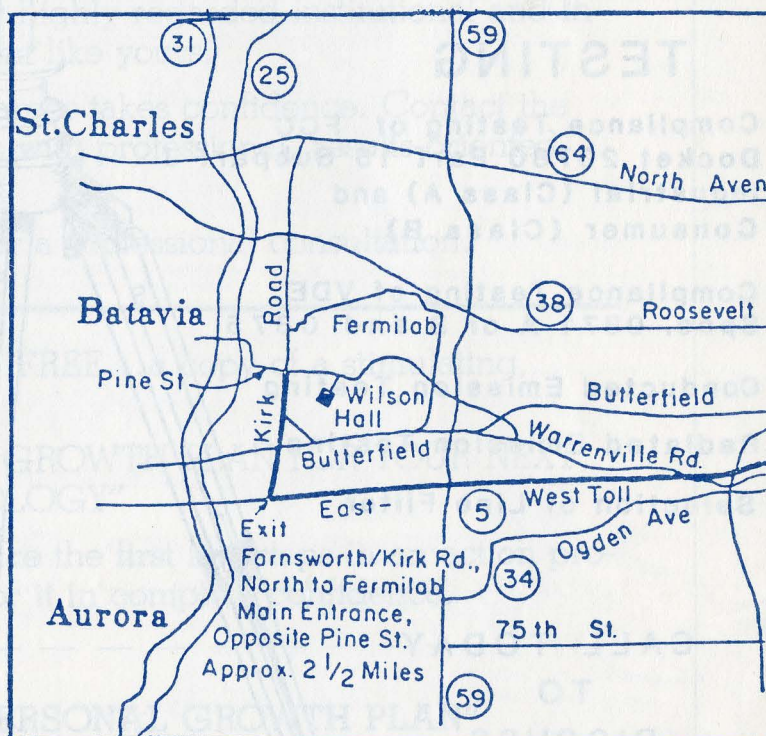
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Join the Northwest Subsection for a guided tour of these interesting and fascinating facilities. The date is Saturday - March 17, 1984. Reservations are required. Tour begins at 9 AM sharp! See map below for directions.



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