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TIME SENSITIVE MATERIAL

CALENDAR OF EVENTS

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

Copy Deadline for January Scanfax is Nov. 25

DEC. 3	"What is a Super Computer?"	Fox Valley Sub. (j/w Assn. for Sys. Mngt. & Computer Soc.)	Sharko's Rest. One W. Roosevelt Rd. Villa Park, IL	Dinner Meeting	6:00 PM 7:00 PM
4	"Lightning Phenomenon & Protection"	Power Engrng. Soc.	Carson Pirie Scott Wabash & Monroe Sts. Highland Rm., 8th Fl.	Social Lunch Meeting	11:30 AM 12 Noon 12:30 PM
10	Monthly Meeting ALL WELCOME	IEEE Executive Cte.	Allen-Bradley Co. 910 Pasquinelli Dr. Westmont, IL	Meeting	7:30 PM
11	"Local Area Network Implementation"	Industry Appls./ Industrial Electronics Society	Mr. Peter's Rest. 1018 Mount Prospect Rd. Mount Prospect, IL	Social Dinner Meeting	5:30 PM 6:15 PM 7:15 PM
16	"Electromagnetic In Situ Process To Recover Fuels"	Antennas & Propagation Society & Microwave Theory & Techniques Society	Louis Restaurant 351 E. Lake Street Addison, Illinois (First traf. light west of Route 83)	Social Dinner Meeting	5:30 PM 6:30 PM 7:30 PM

HAPPY NEW YEAR!

1 9 8 6 JAN. 8	"Holography"	Indus. Appls./Industl. Electronics Society (j/w ISA)	Mr. Peter's Rest. 1018 Mount Prospect Rd. Mount Prospect, IL	Social Dinner Meeting	5:30 PM 6:15 PM 7:15 PM
8	"Engineering Liability"	Power Engrng. Soc.	Carson Pirie Scott Wabash & Monroe Sts. Highland Rm., 8th Fl.	Social Lunch Meeting	11:30 AM 12 Noon 12:30 PM

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SCANFAX, (Publication) number (ISSN 0018-1297), December 1985 Volume 38, Number 4, 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. Third class postage paid at Glen Ellyn, Illinois.

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Change of Address

Send change of address 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.

DEADLINE DATES

Fellow Grade Nominations: April 30, 1986

IEEE BYLAW REQUIREMENTS FOR FELLOW GRADE

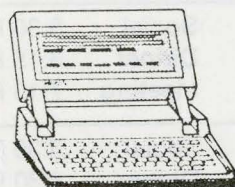
105.2—FELLOW: The grade of Fellow is one of unusual professional distinction and shall be conferred only by invitation of the Board of Directors upon a person of outstanding and extraordinary qualifications and experience in IEEE designated fields, who has made important individual contributions to one or more of these fields. The year of election to the grade of Fellow is the year following affirmative action by the Board of Directors in conferring the grade of Fellow. The candidate shall hold Senior Member grade at the time the nomination is submitted and shall have been a member in any grade for a period of five years or more preceding January 1 of the year of election.

Various Awards:

Field Awards	-	before April 1, 1986
Medal of Honor	-	before July 1, 1986
Major Annual Medals	-	before July 1, 1986
IEEE Service Award	-	before July 1, 1986
Price Paper Awards	-	before July 1, 1986

If you have someone in your IEEE Group you would like to recommend for Fellow Grade Nomination, we will provide the necessary forms. For these forms, for information on other awards, or for nominations for any of the awards, please call Doug Smith 789-3750 (W), 971-1009 (H).

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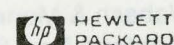
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HP Series 100 Compiled BASIC	195	395
Multiplan for HP-150	135	275
Wordstar for HP-150	245	500
MemoMaker for HP-150	80	160

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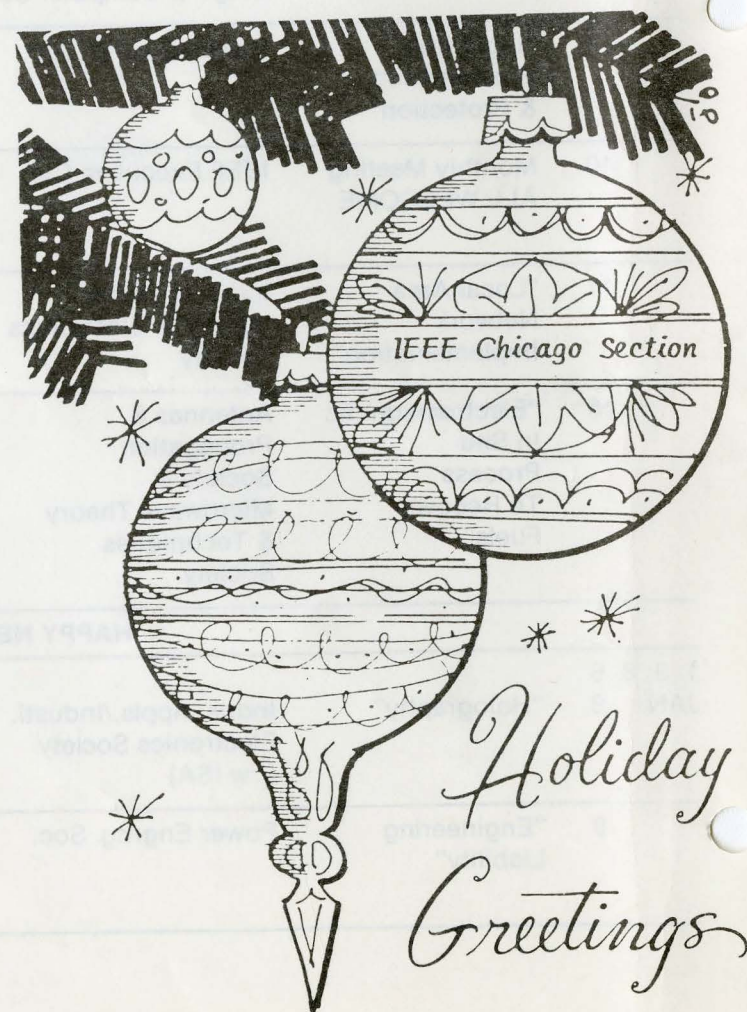
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FOX VALLEY SUBSECTION

Association for Systems Management—
IEEE Computer Society
Tuesday, December 3, 1985

"What Is A Super Computer?"

Wayne McIntyre, Amdahl Corporation
Place: Sharko's Restaurant, 1 W. Roosevelt Rd.,
Villa Park, IL 60181

Dinner: 6:00 PM Cost: \$15
Program: 7:00 PM

CHICAGO SECTION SEEKS HELP IN REJUVENATING INACTIVE CHAPTERS

Those Chicago Section members belonging to inactive or faltering Chapters will soon be receiving a letter from the Section Vice-Chairman, Bert Orszula. The Chicago Section will be rejuvenating these Chapters, but to do so requires the support of the members. Bert will be looking for your responses.

Department of Computer Science and Information Systems

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PROGRAM OFFERINGS

Artificial Intelligence Program

January 6–March 28

An accelerated, twelve-week program in AI theory and technology for experienced programmers. The program covers such topics as problem-solving methods, logic and deduction, knowledge representation, knowledge engineering, natural language processing, programming in LISP and PROLOG, applications in software engineering and others. Exercises and a final project include laboratory work with personal computers, AI work stations, and DePaul's timesharing computer systems.

Application deadline: December 20

Computer Career Program

January 27–August 24

An accelerated, seven-month program designed for those seeking to make a rapid career change into the computer field. No prior experience with computers is required. Participants learn computer programming in COBOL and, working on a small team, will design, code, and implement a large-scale systems project in an IBM environment.

Application deadline: January 7

Executive Program

January 13–March 21

A ten-week course for executive and management professionals in microcomputing and computer technology. In addition to in-depth instruction on the popular software packages including dBase III and Lotus 1-2-3, the program also treats applications of such technologies as data communications and artificial intelligence. All participants will be provided with a personal computer system for home use for the duration of the program.

Application deadline: December 20

Telecommunications Program

January 6–March 28

An integrated, 12-week program in telecommunications technology, systems and management. Topics include governmental regulations, transmission fundamentals, PBX systems, networking, data communication, voice/data integration, traffic engineering and others. Formal classroom lectures are complemented by laboratory sessions with personal computers and with the Institute's dedicated, state-of-the-art-switch.

Application deadline: December 20

SEMINAR PROGRAMS: Special short courses are also offered throughout the year. Topics include local area networks, dBase III, Lotus, and CICS.

FACILITIES: The Institute for Professional Development maintains specially-equipped classrooms and laboratories for artificial intelligence, telecommunications, vision, and expert systems at 243 S. Wabash. In addition, DePaul University's computing facilities include a cluster of two VAX-11/780 computers, a VAX-11/750, an IBM 4381 and a Harris 800.

FACULTY: Instruction is provided by faculty from the Department of Computer Science and Information Systems in conjunction with guest lecturers from business and industry.

For further information, counseling and applications, call 341-6282 or write to:

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and Information Systems
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Chicago, IL 60604



INSTITUTE OF
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INDUSTRY APPLICATIONS SOCIETY INDUSTRIAL ELECTRONICS SOCIETY

CHICAGO CHAPTER

Wednesday, December 11, 1985

Mr. Peters Restaurant
Mount Prospect, Illinois

Schedule: 5:30 P.M. Cash Bar
6:15 P.M. Dinner
7:15 P.M. Technical Program

Location: Mr. Peters Restaurant
1018 Mt. Prospect Ave.
(Rand & Central)

Mr. Don L. Patten, P.E., will be the featured speaker at the December 11 meeting of the Industry Applications/-Industrial Electronics Societies.

Don is currently employed by Anixter Bros., Inc., the Skokie, Illinois supply specialist to the industrial and telecommunications community. In his position as product sales manager for fiber optics and local area networks (LAN), Don works with customers and suppliers on technical applications for various data and telecommunications projects.

In his presentation Don will cover the overall trends and practices of the four parts of the local area network

(LAN), including ethernet, broadband, fiber optics and the IBM Cabling System.

The IAS/IES meeting will be held at Mr. Peters Restaurant, 1018 Mount Prospect Road, Mount Prospect, Illinois. A cash bar will open at 5:30 p.m., dinner will commence at 6:15 p.m., and the technical program, with Don Patten, will begin at 7:15 p.m.

Reservations can be made by calling Eleanore Burda at 236-4609. The price of the dinner for members is \$12.00 and \$13.00 for non-members. There is no fee for attending the technical program.

**SIGN UP
A PROSPECTIVE
MEMBER NOW!**

The Chicago Section has received a supply of IEEE 1985 Membership Information/Application booklets from headquarters for distribution. The booklet contains information about the many and varied activities of the IEEE.

Founded in 1884, The Institute of Electrical and Electronics Engineers, Inc. is the world's **largest** professional engineering society. It strives to enhance the quality of life for all people throughout the world through the constructive application of technology in its field of competence. It endeavors to promote understanding of the influence of such technology on the public welfare.

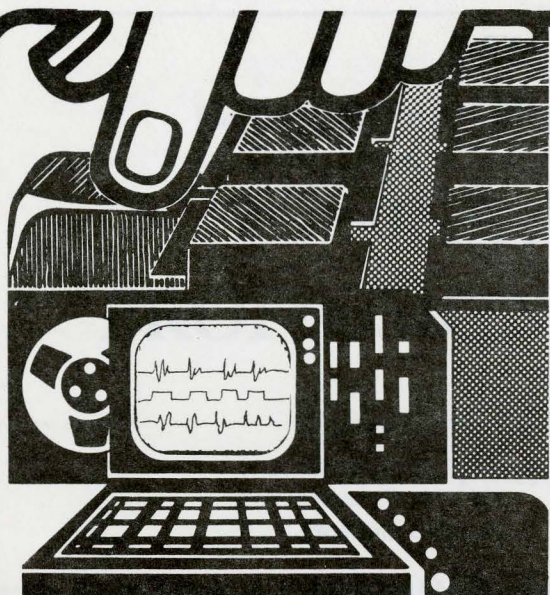
IEEE is a transnational organization of individuals dedicated to improving the understanding of electrical and electronics engineering today and its applications to the needs of society. IEEE is not for everyone; it is for those who qualify (there are several membership grades).

If you know of someone interested in the professional and personal advantages of membership, call Eleanore Burda at the Chicago Section office on 236-4611. She will eagerly mail a copy of the booklet to the interested party, which invites them to join 230,000 members worldwide.

IEEE 1985

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& APPLICATION



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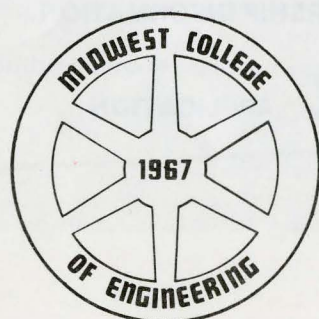
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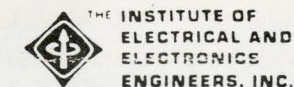


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INDUSTRY APPLICATIONS SOCIETY INDUSTRIAL ELECTRONICS SOCIETY CHICAGO CHAPTER & 1986 PROGRAM SCHEDULE

DINNER MEETINGS, 2ND WEDNESDAY EVENING

Meeting	Topic and Speaker
1/8/86	"Holography" — Joint with Instrument Society of America Prof. Jeong, Lake Forest College
2/12/86	"The National Electric Code — 1987 Proposed" Milt Robinson
3/12/86	"Reliability Considerations in Semiconductor Technology" Dr. Nausher Khor, Motorola Research
4/9/86	"Computer Security" Karen Resnick, DeVry
5/14/86	"Energy-Saving with Adjustable Frequency Drives" Andrew Gasiorowski, Allen-Bradely Co.

Schedule for all meetings:

5:30 Cash Bar
6:15 Dinner
7:15 Technical Program

Location:

Mr. Peters Restaurant
1018 Mt. Prospect Ave. (Rand & Central)
Mt. Prospect Shopping Plaza
Mt. Prospect, IL

Reservations: Please call the IEEE Office, 236-4609 to make dinner reservations by noon, the Monday prior to the meeting. The cost for dinner for IEEE members is \$12, for non-members, \$13. There is no charge for anyone wishing to attend only the technical program portion of the meetings.

JOINT CHICAGO CHAPTER OF IEEE ANTENNAS & PROPAGATION SOCIETY AND MICROWAVE THEORY & TECHNIQUES SOCIETY

ELECTROMAGNETIC IN SITU PROCESS TO RECOVER FUELS AND TO DECONTAMINATE HAZARDOUS WASTE SPILLS

BY: MR. JACK E. BRIDGES

Date: Monday, December 16, 1985

Place: Louis Restaurant, 351 E. Lake Street
Addison, Illinois
(First traffic light west of Route 83)

Time: Social 5:30 PM
Dinner 6:30 PM
Meeting 7:30 PM

Since the mid 1970's, IIT Research Institute has been developing an energy-efficient in situ radio-frequency heating process. Large blocks of oil shale or tar sand typically found in the Western United States have been implanted with closely-spaced electrodes and excited electromagnetically with high-frequency radio-frequency energy. This process has efficiently heated in-place large blocks of oil shale or tar sand to temperatures sufficiently high that the emplaced fuels can be recovered.

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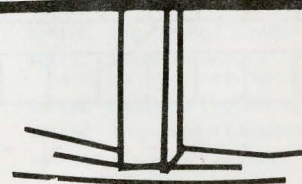
The Chicago Section is now offering a Placement Service for its members free of charge. The program is intended for those who are Member Grade and above and is a positive step to help our members who are unemployed. If interested in any of the applicants listed below call the IEEE office (236-4609) for 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.

B11 — Facility Mgr. - EE/ME/RPE - power, ltg. & control HVAC, mat'l. hndlg. & mech. systems.

B12 — Entry level posi. - exp. in hdwe., micro., digital analog, control sys. - look. for field serv., elec'n's engr.

If you are an IEEE member and unemployed, call or write for the necessary form. Direct your request to: IEEE Placement Service • 125 S. Clark Street - Room 1545 • Chicago, Illinois 60603.

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CAPTION: Bill Galle (left) and Henry Dwyer, Chairman IAS/IES Chicago Chapter discuss Quality and Productivity after the presentation.

Quality and Productivity were the topics of discussion at the IAS/IES October 9 meeting. October was quality month and Mr. Bill Galle demonstrated with case studies the relationships between quality, costs and productivity. The data showed that quality products are produced at less cost and with better productivity than inferior products. He then explained some of the methods, including statistical, which enable process engineers and quality assurance technicians to maintain quality levels.

The discussion also focused on traditional methods of quality control which provide for inspection and testing by a QC group at specific points in the production cycle and contrasted that with newer methods. Today it is generally accepted that quality is the concern of all employees and that production monitors its own performance with a Quality Assurance group serving an auditing and record keeping function.

If you are interested in informative meetings such as this one support your local Societies by attending meetings. All meetings are regularly carried in the Scanfax calendar. For more information on any meeting contact the IEEE Office or a specific chapter chairman.

Marvin Camras, a Life Fellow of the SMPTE, has been inducted into the national Inventors Hall of Fame, an honor that has been bestowed on only 58 other inventors, including Edison, Bell, and the Wright brothers. Inventor of the magnetic recorder, he pioneered magnetic soundtracking for motion pictures, stereo, and videotape recording. Among his published works are "Magnetic Sound for Motion Pictures," in the January 1947 issue of the *SMPE Journal*, and "Magnetic Sound for 8-mm Projection," in the October 1947 issue. Camras is a Life Fellow of IEEE and member of Chicago Section for 47 years.



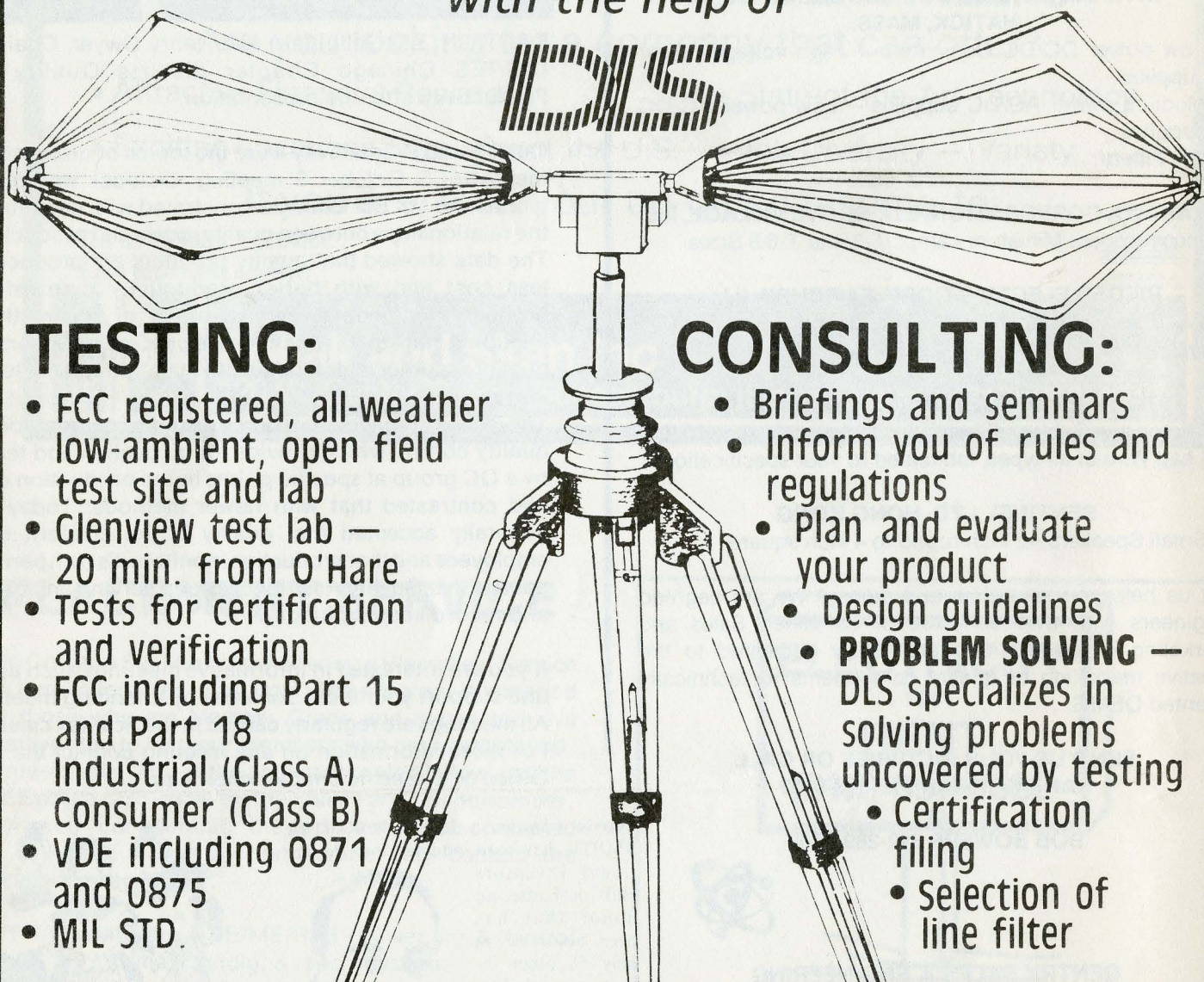
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