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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 Publication Date

JUNE 8-7/6	"C" Programming Language Course	Midwest College of Engineering	Midwest College of Engineering, 440 S. Finley Rd., Lombard	(For informa., Joan Younger, 627-6850)
10	"The Fiber Optics Field: Present & Future"	Antennas & Prop./ Micro. Theory & Techniques Soc.	Louis' Restaurant 351 E. Lake St. Addison, IL	Social 5:30 PM Dinner 6:30 PM Meeting 7:30 PM
11	Monthly Meeting ALL WELCOME	IEEE Executive Cte.	Allen-Bradley Co. 910 Pasquinelli Dr. Westmont, IL	Meeting 7:30 PM
23-26	ICC '85 - Intl. Conf. on Comms. for 1985	IEEE Comms. Soc. & Chicago Sec.	Palmer House State & Monroe Sts. Chicago, IL	(For informa., R.J. Jaeger, Jr., 979-2261)
JULY 2	Monthly Meeting	IEEE Executive Cte. R.S.V.P., Eleanore 236-4609	The Cypress Rest. 500 E. Ogden Ave. Hinsdale, IL	Meeting 7:30 PM
13-8/24	UNIX tm Fundamentals Course	Midwest College of Engineering	Midwest College of Engineering, 440 S. Finley Rd., Lombard	(For informa., Joan Younger, 627-6850)
AUG. 14	Monthly Meeting	IEEE Executive Cte.	Allen-Bradley Co. 910 Pasquinelli Dr. Westmont, IL	Meeting 7:30 PM

HAVE A NICE SUMMER



LOOK FOR US IN SEPTEMBER

Scholarship winners are (l-r), Kent Anderson, Daniel Springer and Daniel Hickey. At right, Rick Chan.

Service Award winners are (l-r), Robert Grubline, Rocco Gilio, Shaw Qualyoon and Kari Fujihara.

1985-86 RELIABILITY SOCIETY OFFICERS/EXECUTIVE COMMITTEE

The election of Officers and Executive Committee members for the Chicago Chapter of the IEEE Reliability Society was held recently at a Chapter business meeting. They are: Chairman - Paul Evans, Northrup Corporation; Past Chairman - Arun Hundiwal, TRW, Transportation Electronics Division; Vice Chairman - Michael Ero, Bell Laboratories; Secretary - Daniel Glab, Extel Corporation; Treasurer - Warren Foxwell, DeVry Institute of Technology; Program Chairman - Hugh Edfors, Rel Tek Engineering Associates; Membership Chairman - Jim Klouda, Elite Electronics Engineering Company; Public Relations Chairman - Rod Garcia, Electro-Dynamics. Congratulations and best wishes for the coming year.

ICC '85 - The International Conference on Communications for 1985 sponsored by the IEEE Communications Society and the Chicago Section is being held at the Palmer House in Chicago, June 23-26. This annual conference was last held in Chicago in 1977. Over 300 technical papers by the world's top telecommunications professionals will be presented over a three-day period. Also two one-day tutorials will be presented on Local Area Networks and Post Divestiture Switching Standards.

The opening session will be greeted by Governor Thompson of Illinois and the keynote address will be given by Edward Larkin, New York State PSC Commissioner. The International Award in Communications will be presented to F. T. Andrews of Bellcore at the Monday Awards Luncheon, and Thomas E. Bolger, Chairman and Chief Executive Officer of Bell Atlantic will give an address, "Divestiture: Retrospective." At the banquet on Tuesday, the Honorable Mark S. Fowler, Chairman of the FCC will give the address.

Advance programs and information can be obtained by calling R. J. Jaeger, Jr., General Chairman at 312/979-2261. A registration form is included in the program. Single day registration and tickets for the various functions can be obtained at the conference. The registration booth will be open: Sunday, June 23 (1:00 - 9:30 P.M.); Monday, June 24 (7:00 A.M. - 5:00 P.M.); Tuesday, June 25 (8:00 A.M. - 5:00 P.M.); Wednesday, June 26 (8:00 A.M. - 12 noon).

GET READY FOR MIDCON - Midcon, the largest electronics convention and exhibition in the midwest for the original equipment manufacturer, returns to O'Hare Exposition Center September 10-12. This year over 350 exhibitors in more than 700 display booths will show the latest in components, microelectronics, instrumentation, test equipment, control systems, production equipment, mechanical and electronic packaging and power sources as well as mini and micro-computer components.

Midcon is sponsored by the IEEE Regions Four and Five, Chicago and Dallas Sections and the Electronic Representatives Association. As one of the major sponsors of Midcon, Chicago Section is already hard at work promoting and preparing for this huge event. Additional Chicago Section members are urged to participate. A major advantage is being able to make new industry friends and work with existing ones while helping to make Midcon a success for IEEE. There is still plenty of room to help the Attendance Committee, which is co-chaired by Ron Rutkowski and Les Demonte. Want to work with them? Call Helen Schubert at 312/337-5076. It won't take much of your time!

SCANFAX, (Publication) number (ISSN 0018-1297), June 1985 Volume 37, Number 10 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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HONOR THREE FELLOWS AT RECOGNITION DINNER - The Grand Ballroom of the Drake Oak Brook Hotel was filled to capacity April 27 as Chicago Section electrical and electronic engineers gathered to honor their outstanding members.

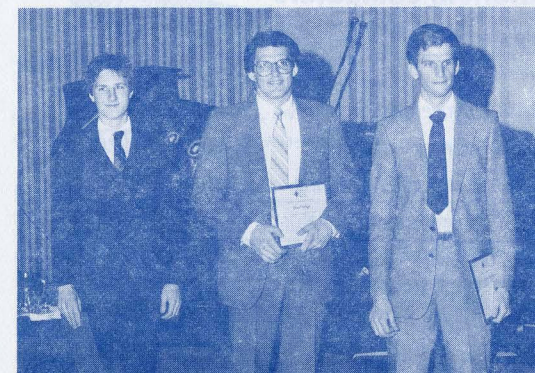
This year, three members were elected to the grade of Fellow. Section Chairman George Thomas, Contemporary Control Systems, Inc., presented framed Fellow certificates to the following: Professor Daniel Graupe, Department of Electrical & Computer Engineering, Illinois Institute of Technology, IIT Center, "For contributions to adaptive filtering and its application to stimulation of paraplegics and in prosthetics;" Professor Tadao Murata, Department of Electrical Engineering & Computer Science, University of Illinois at Chicago, "For contributions to circuit-system theory, in particular its applications to Petri nets and related system models;" and Professor Martin A. Plonus, Department of Electrical Engineering & Computer Science, Northwestern University, Technological Institute, "For contributions to the understanding of electro-magnetic propagation through turbulent atmosphere and to engineering education."

A special award was made to John Waters, Bussmann Manufacturing Division, Chairman, Professional Activities Committee. (See article in this issue.) Section Chairman George Thomas also presented a special recognition award to Christine Ziola, Zenith Electronics Corporation for her efforts as Chairperson of the Recognition Dinner for the past two years.

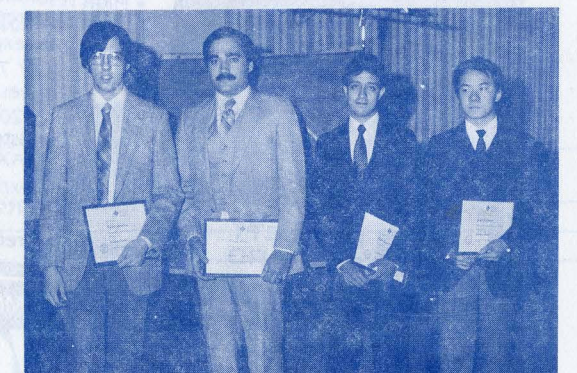
Student Activities Committee Chairman Andy Gasiorowski, Allen-Bradley Company, recognized outstanding students for their service and contributions to student chapters and presented scholarship awards to additional outstanding students. Receiving service awards were Karl Fujihara, University of Illinois at Chicago; Shah Quaiyoom, Illinois Institute of Technology; Rocco Gilio, DeVry Institute; and Robert Grumbine, Northwestern University. Scholarship recipients were Nick Chan, University of Illinois at Chicago; Daniel Hickey, Illinois Institute of Technology; Daniel Springer, DeVry Institute; and Kent Anderson, Northwestern University.



Section Chairman George Thomas (r), presents Fellow certificates to (l-r), Professors Daniel Graupe, Tadao Murata and Martin A. Plonus.



Scholarship winners are (l-r), Kent Anderson, Daniel Springer and Daniel Hickey. Not shown, Nick Chan.



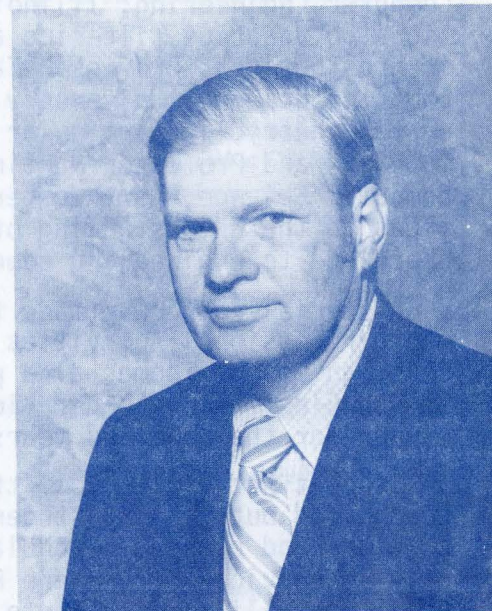
Service Award winners are (l-r), Robert Grumbine, Rocco Gilio, Shah Quaiyoom and Karl Fujihara.

JOHN WATERS RECEIVES PACE AWARD - The Regional Professional Activities plaque was awarded to John E. Waters at the Chicago Section Recognition Dinner on April 27, 1985 at the Drake Oak Brook Hotel.

The IEEE-USAB Regional Professional Activities Award recognizes those individuals selected by their respective Regions, with the endorsement of their respective Regional Directors, for their leadership efforts in advancing the professional aims of IEEE on a national, regional, or local basis. Only one recipient per Region per year is selected. The award consists of an engraved plaque with the citation, "...for exercise of outstanding leadership and dedicated effort in activities that fostered the advance of the professional aims of IEEE..."

Mr. Waters has served as PACE Chairman of the Chicago Section for several years. He is also the Chicago Section's representative to the Illinois Engineering Council.

He has chaired professional activities sessions at two major conferences and has also given several presentations on energy issues. Mr. Waters is a Senior Sales Engineer for Bussmann.



COMPUTER ENGINEERING 1985 SUMMER SHORT COURSES

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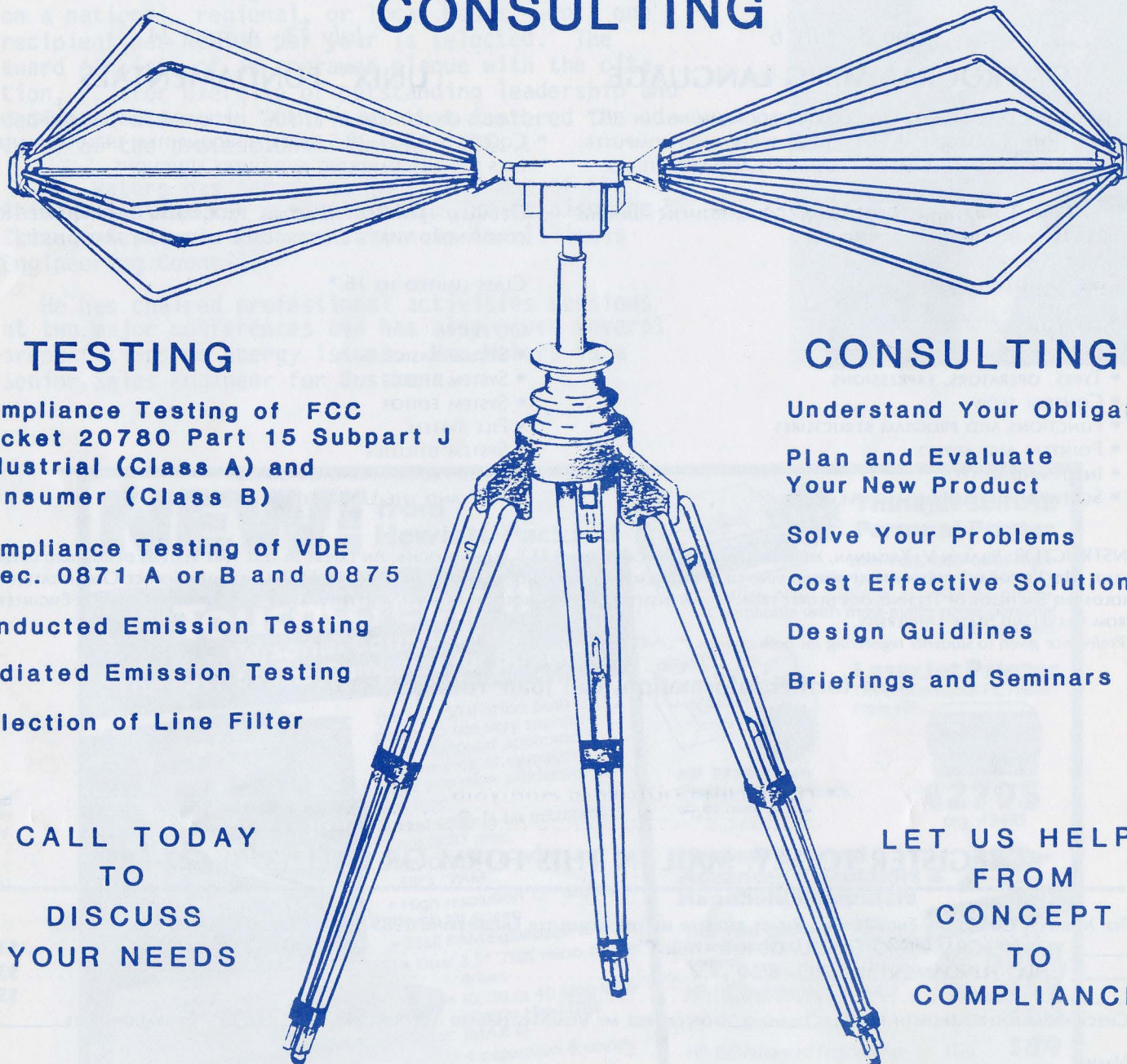
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Professional Activity

UPDATE

CONGRESS GETS BILL TO STANDARDIZE NUCLEAR POWER PLANT DESIGN - The draft bill of the Nuclear Regulatory Commission proposing a standardized design for nuclear power plants was recently introduced by Sen. Alan Simpson. S. 836, introduced (on April 2) at the request of the NRC, was referred to the Senate Committee on Environment & Public Works.

According to the NRC Chairman, Nunzio Palladino, it is now possible, because the nuclear industry has matured, "to describe and evaluate standardized plant designs on a generic basis, essentially complete designs prior to plant construction, and proposed plant sites without plant design details." The present bill, which incorporates some consensus positions reached in hearings during the 98th Congress, now focuses on reforms to the licensing process that facilitate design standardization, early site approval, and single-stage licensing for nuclear power plants.

New language in the bill authorizes NRC to issue a site permit or a facility design approval even though no application for a construction permit or a combined Construction Permit & Operating License has been filed. Public participation is assured in these stages.

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-ADV-

"**THE FIBER OPTICS FIELD: PRESENT AND FUTURE**" will be the topic of the joint Chicago Chapter of the Antennas & Propagation/Microwave Theory & Techniques Societies on June 10, 1985. Speaker Dr. Bruce E. Briley will give a summary of the science of fiber optics, followed by a discussion of the state of the art, perceived trends and future possibilities.

Dr. Bruce E. Briley received the B.S., M.S. and Ph.D. degrees from the University of Illinois, Urbana-Champaign. Between 1963 and 1966 he was employed by Auto Electric Research Laboratory in Northlake. He has been a member of the technical staff at Bell Telephone Laboratories since 1966. He is an Adjunct Professor of the Illinois Institute of Technology. He has served as a member of the governing board of the IEEE Computer Society. Dr. Briley holds 17 patents and is the author of "Introduction to Telephone Switching" published by Addison Wesley. Currently, his second book, "Introduction to Fiber Optics System Design," is under preparation.

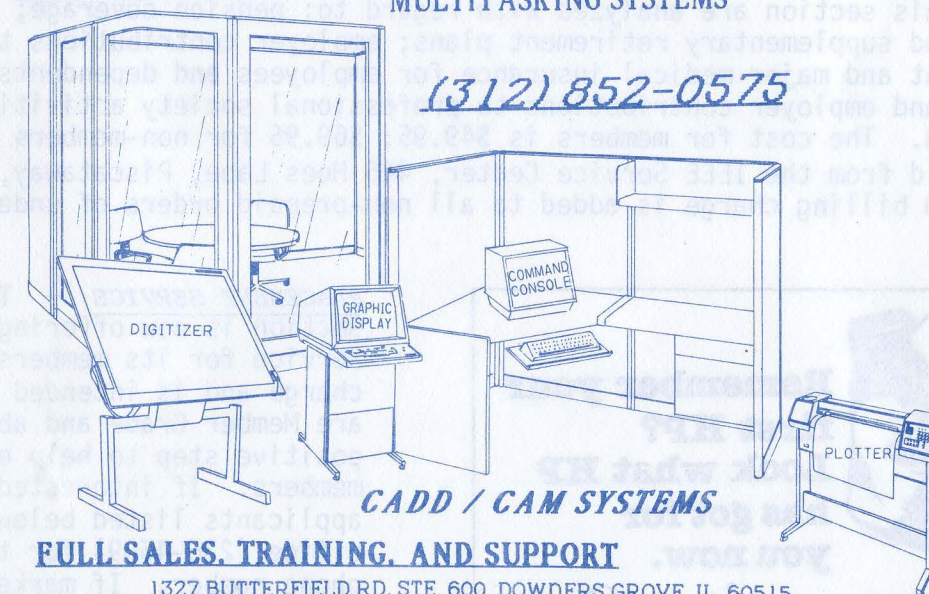
Election of officers will be held at this, the last meeting of the 1984-85 schedule. Dinner is optional. A reservation is helpful even if you plan to attend the talk only. Non-members are welcome. See Calendar of Events for meeting location and time.

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IEEE INFOCOM-86 will be held April 7-10, 1986 at the Sheraton Bal Harbor Hotel in Miami, Florida. Contact Bart Stuck, General Chairperson, Viatel Corporation, 344 Raritan Center Parkway, Edison, New Jersey 08837, (201) 225-1188. Complete papers accepted through August 15, 1985. Contact Bezalel Gavish, Technical Program Chairperson, Graduate School of Management, University of Rochester, Rochester, New York 14627, (716) 275-5865. For additional information, contact the IEEE Computer Society, 1109 Spring Street, Suite 300, Silver Spring, Maryland 20901, (301) 589-8142.

The 1986 theme is Computers and Communications Integration: Design, Analysis and Management. Once again, the conference is jointly sponsored by the IEEE Computer and Communications Societies.

IEEE U.S. MEMBERSHIP SALARY & FRINGE BENEFIT SURVEY REPORT - The IEEE plans publication of its 1985 IEEE U.S. Membership Salary & Fringe Benefit Survey report on May 11, 1985. The report is being prepared under the direction and guidance of the IEEE United States Activities Board (USAB) Survey Task Force.

The Survey report is based on information gathered from a questionnaire mailed in early January 1985 to a N-6 sample of the IEEE U.S. membership - Fellows, Senior Members, Members and Associates. No students, retirees or unemployed persons were included in the Survey. Thirty thousand questionnaires were mailed out via first class mail. Data abstracted from the returns can be applied to the full non-student membership of over 170,000 with a 95% degree of confidence. The high response rate in prior years has given the Survey's results a notable degree of credibility with industry, government and academe. Survey questionnaire design, processing, analysis of responses and the final report have been prepared by Abbot, Langer & Associates under contract to the IEEE.

The Survey will contain the most up-to-date information available on salaries and fringe benefits of electrical, electronics, and computer engineers and scientists in the U.S. The printed report incorporates essential data on IEEE members' salaries as they relate to job function, supervisory responsibility, type of employer, company size, years of experience, level of education, geographic area, level of responsibility, plus many other variables. The Survey displays 25 variables thru numerous tables, graphs and charts, such as: Income vs. engineering experience by highest degree earned; Income vs. geographical region and area by industry or service of employer; Income vs. years with present employer by organization job function; and Income vs. professional and supervisory level of responsibility.

The Survey report will also contain an entire section on fringe benefits. Responses in this section are analyzed with regard to: pension coverage; vesting requirements and supplementary retirement plans; employer contributions to life, health, accident and major medical insurance for employees and dependents. Vacation benefits and employer contributions to professional society activities will also be covered. The cost for members is \$49.95; \$69.95 for non-members and can be ordered postpaid from the IEEE Service Center, 445 Hoes Lane, Piscataway, New Jersey 08854. A \$2.00 billing charge is added to all non-prepaid orders of under \$100.00.



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- B6 - Process control/communications-HW/SW design-project mgmt. exper.
- B7 - JC electronic design-control systems and active networks.
- B8 - Software engineer-proc. control, microproc. applica., SW develop./maint.

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