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CALENDAR OF EVENTS

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

COPY DEADLINE: FIRST WEEK OF MONTH PRIOR TO PUBLICATION

MAY	7	Tour - Reynolds Metals Co.	Industry Appls./ Industrial Elec- tronics Soc.	4900 - 1st Ave. Brookfield	Tour	9:00 AM
	10	Monthly Meeting ALL WELCOME	IEEE Executive Cte.	McDonald's Plaza NE cor. McDonald Dr. at 22nd St., Oak Brook	Meeting	7:30 PM
	11	"Programmable Controllers for Power Plants"	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
	14	Tour - Edison System Power Sup. Ctr.	Fox Valley Sub.	1N423 Swift Rd. (btwn. St. Chas. Rd. & North Ave., Lombard	Tour	9:30 AM & 10:45 AM
	16	Panel Discussion - "Millimeter Waves"	Antennas & Prop./ Microwave Theory & Techniques Soc.	Louis Rest. 351 E. Lake St. Addison	Social Dinner Meeting	5:30 PM 6:30 PM 7:30 PM
	18	"The Use of 2400 BPS Digital Speed Land Mobile Radio"	Communications Soc.	To be determined	Social Dinner Meeting	5:30 PM 6:30 PM 7:30 PM
	18	Tour - Underwriters Laboratories Inc.	Northwest Sub.	Bldg. 6, Confer. Rms. A,B,C-333 Pfingsten Rd., Northbrook	Social Tour Meeting	5:30 PM 6:30 PM 8:30 PM
	24	Tour - Belden Corp.	Electro. Compa. Soc. (Call Bob Hofmann, 979-3627)	2000 S. Batavia Ave. Geneva	Tour/Mtg.	7:30 PM
	25	"Software Quality Assurance"	Fox Valley Sub.	Wilton Manor Geneva & Main Sts. Wheaton	Social Dinner Meeting	5:30 PM 6:30 PM 7:30 PM
JUNE	14	Monthly Meeting ALL WELCOME	IEEE Executive Cte.	McDonald's Plaza NE cor. McDonald Dr. at 22nd St., Oak Brook	Meeting	7:30 PM
	20	Tour - O'Hare Operations	Antennas & Prop./ Micro.Theory & Tech.	O'Hare Control Tower (Full particulars in June issue)	To be determined	

CHICAGO SECTION ELECTS OFFICERS AND EXECUTIVE COMMITTEE - The Chicago Section of the IEEE has elected their officers and members of the Executive Committee for the 1983-84 term. Voting was by ballot printed in the April issue of Scanfax. Officers elected are:

Chairman - William Everson
Commonwealth Edison Company
Vice Chairman - George Thomas
Contemporary Control Systems, Inc.
Treasurer - Henry Korman
Noble U.S.A.
Secretary - Norbert Orszula
Brown & Root, Inc.

Members of the Executive Committee elected by mail ballot are:

Frank Bellucia - Motorola, Inc.
Keith Klontz - McHenry Electric & Supply Company
Douglas Smith - Square D Company
George Stout - GPE Controls
Terence Sumner - Motorola, Inc.
John Tyner - Cleworth Publications
John Waters - Bussmann Mfg. Div., McGraw-Edison Co.
Howard Wolfman - Grayhill, Inc.

The Executive Committee also includes the chairmen of both the Fox Valley and Northwest Subsections and the chairmen of each of the active group or society chapters. According to the Chicago Section Bylaws, they are automatically members of the Executive Committee and do not have to be voted upon by the membership.

NAME JIM BEALL IEEE DIRECTOR - James H. Beall (SM '71), Senior Engineer, Plant Engineering, Teletype Corporation, Skokie, was recently elected to serve on the IEEE Executive Committee as Director of Standards Activities for 1983. He also becomes Chairman of the Standards Board.

The IEEE Standards Board, of which Beall has been a member for the past two years, is chartered to encourage, coordinate and supervise IEEE participation and cooperation with other organizations (including governmental bodies) on technical standards matters.

Jim has been active in other areas of IEEE, both in the Chicago Section and nationally for a number of years, including the Industry Applications Society and was its President in 1980. At Teletype, Jim has project responsibility for circuit board electro-chemical installations and research MOS facility installation involving exotic new technologies. He also has continuing engineering responsibility for all electrical operation, maintenance and energy conservation at the Skokie location. He received the BSEE degree (power option) from Clemson University in 1953.

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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.

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Professional Activity

UPDATE

ACADEMIES CALLED ON TO IDENTIFY TECHNOLOGIES FOR DEVELOPMENT - Congress is working to assist high technology industries. A novel approach has been proposed recently in bills introduced in both the House and Senate in which "economically strategic technologies" would be identified and assisted. The technologies at issue are those "which offer great potential economic benefit but whose development is endangered by the targeted R&D efforts of our competitors." The bills are S. 428 (February 3) sponsored by Sens. Paul Tsongas, Don Riegle and Slade Gorton (referred to the Commerce Committee) and H.R. 1243 (February 3) sponsored by Rep. George Brown (referred to the Science & Technology Committee). IEEE members having an interest in the legislation should write their congressional representative.

The legislation calls on the National Academy of Sciences, the National Academy of Engineering, and the Institute of Medicine to draw upon the experience of their members representing both private industry and academics to identify economically strategic technologies. For each one chosen, a technology development program would be recommended that would identify the industry, university and government resources needed to maximize the potential for successful development of a particular technology. The legislation would, in effect, produce an appropriate partnership for development of each targeted technology. The bill would also provide budgetary authority so the President could implement technology development programs quickly.

GREG STONE NEW CHAIRMAN OF VTS - Greg Stone is the new Chairman of the IEEE Chicago Section Vehicular Technology Society. He may be contacted at Sachs-Freeman Associates, 2970 Maria Avenue, (Suite 107), Northbrook 60062, (564-1070).

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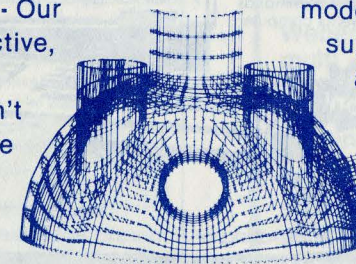
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UPDATE ON FORMATION OF NEW CHAPTERS

In the December issue of Scanfax, we provided a listing of Chapters that are not currently active in the Chicago Section. As a result of that listing there has been activity during the last few months to organize the following groups:

PROFESSIONAL COMMUNICATIONS - ENGINEERING MANAGEMENT:

Petitions are being circulated to form a Joint Chapter for these Societies. If you have any questions concerning the Chapter or wish to lend a hand, call Maggie Jones at Bell Labs at 979-6194.

CIRCUITS AND SYSTEMS:

Ken Hohhof at Wescom (985-9000, extension 2281) is looking for volunteers to help organize a Chapter or work with the Communications Society on a possible Joint Chapter.

ENGINEERING IN MEDINE AND BIOLOGY:

Henry Thompson (386-4948) and Jim Martucci of Travenol Labs (546-6311, extension 2269) are working on revitalizing this Chapter. Among the possibilities are combining to form a Joint Chapter with Sonics and Ultrasonics, Systems, Man and Cybernetics, etc. The primary missing ingredient is individuals willing to help. Please call Henry or Jim with your suggestions.

If you have any questions concerning these or any other inactive Societies in the Section, please call me at 450-5207.

Bill Everson

W. E. Everson, Vice Chairman

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WHEN AND WHERE IN 1983

April 11-15	Los Angeles, CA
May 16-20	Atlanta, GA
June 13-17	Chicago, IL
July 11-15	Boston, MA
August 15-19	Denver, CO
September 12-16	San Jose, CA

For more information and a free brochure detailing the overall course and hotel locations, simply call our office or fill out the information request below and mail as soon as possible. Enrollment in an individual segment of the course is permitted and course fee discounts are available for company group attendance. Make your registration early as enrollment will be limited!

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FOX VALLEY MEETINGS FOR MAY - Facility tour: Commonwealth Edison System Power Supply Center - Saturday, May 14. From the Center in Lombard, a small group of Edison personnel monitor and control the flow of electrical power throughout Edison's 11,525-square-mile service territory in the northern quarter of Illinois. They establish, minute by minute, the levels of generation at each of Edison's units and stations; arrange purchases of power from neighboring utilities, to remedy shortfalls or to obtain more economical sources; and when the occasion arises, they deal with the crises created by unanticipated outages of generation, transmission lines, or major load centers. Through their scheduling and purchasing activities they minimize the costs of power to each of Edison's three million customers. The facility which houses this 24-hour, seven-day activity is a unique, semi-hardened, heavily computerized office located centrally in Fox Valley Subsection's territory.

There is no charge to tour this nerve center with those responsible, but since the facility is not large, there is a limit to not more than two tour groups of 20 persons each. The first group is scheduled for a 9:30 AM start and once this group is full, those reserving will be assigned to a group starting at 10:45 AM. The tour will take a little over one hour. Call Eleanore Burda at the IEEE office on 236-4609 for reservations **prior to May 13**. You will be informed by her at that time which group is available.

AND ...

At Fox Valley Subsection's May 25 meeting, Messrs. Charles P. Hollocker and John J. Greene will present a "mini-tutorial" on "Software Quality Assurance" (SQA). SQA is a new and evolving discipline whose primary objective is to improve and maintain product quality. Traditionally, the

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SQA approach has been associated with the application of standards to the underlying process. More recently, led by the combined efforts of government, industry, academia and professional societies, this approach has come to include the rigorous implementation of sound, proven software engineering practices aspart of a full-fledged quality program. Moreover, the scope and importance of the field are likely to multiply as increased computer use focuses public attention on the legal and economic issues relating to the quality of software products.

The talk will be based on a paper presented at COMPSAC '82.

NORTHWEST SUBSECTION TO TOUR UL ON MAY 18

A tour of Underwriters Laboratories Inc. located in Northbrook, Illinois will be featured at the May 18 meeting of the Northwest Subsection.

The tour will encompass laboratories where various types of electrical products from home appliances to explosion-proof industrial control equipment and non-electrical products are tested for safety. Following the tour, UL will present slides on their new Fire Equipment Services Group.

Place: Underwriters Laboratories Inc.
Building 6-Conference Rooms A,B,C
333 Pfingsten Road
Northbrook, Illinois

Time: 5:30 P.M. Social - complimentary refreshments courtesy of UL.

6:30 P.M. Laboratory tour.

7:30 P.M. Slide presentation.

8:30 P.M. Meeting - Northwest Subsection/Election of officers.

Reservations are required. Call Eleanore Burda at 236-4609 **on or before May 13.**

For information call Len Cohen, Northwest Subsection Chairman at 272-8800, ext. 2692.

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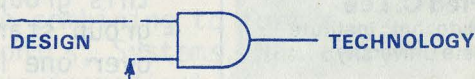
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PANELISTS TO DISCUSS USAGE OF MILLIMETER WAVES

On May 16, the Antennas & Propagation/Microwave Theory & Techniques Society will present "Millimeter Waves-Components, Applications & Instrumentation." Areas of millimeter wave sources, both solid state and tube will be discussed as well as transmission media and components, detectors and receivers, applications and instrumentation. Audience participation will be encouraged.

The panelists have extensive experience in the millimeter area: Robert M. Knox, President and Co-founder of Epsilon-Lambda Electronics Corp.; Dr. Gunther Doehler, Manager of Tube Research & Development in the Advance Technology & Engineering Department at Northrup Defense Systems Division; Clarence Arnow, President and Founder of Micro-Now Instrument Co.; Kenneth Brandt, Senior Engineer at IIT Research Institute; Naresh Deo, Research Engineer at Epsilon-Lambda Electronics Corp. Election of officers will take place at this meeting. See Calendar of Events for meeting location and time.