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(Publication number)
(ISSN 0018-9227)

SCANFAX, 125 S. CLARK ST., CHICAGO, IL 60603

Official Publication of the Chicago Section • Institute of Electrical & Electronics Engineers • May 1982

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 11	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	Brown & Root Offices 701 E. 22nd St. Lombard	Meeting	7:30 PM
12	"Stepper Motors"	Indus. Appls./In- Dustl. Electronics & Control Instr.Soc.	Nielsen's Village 7330 W. North Ave. Elmwood Park	Social Dinner Meeting	5:30 PM 6:15 PM 7:15 PM
12	"Lighting Systems"	Power Engrng. Soc.	Carson Pirie Scott Wabash & Monroe Sts. Highland Rm.2, 8th Fl.	Social Lunch Meeting	11:30 AM 12:00 PM 12:30 PM
15	Superconductivity- Energy Saver/ Doubler Project	Fox Valley Sub.	Fermi National Lab. Kirk & Pine Rds. Batavia	Meeting followed by tour	10:00 AM
17	"Microwave Communication Technology"	Antennas & Prop./ MTTS (j/w Electron Dev. & Comms. Soc.)	Louis Restaurant 351 E. Lake St. Addison	Social Dinner Meeting	5:30 PM 6:30 PM 7:30 PM
17	"History of Two-Way Radio"	Vehicular Tech. Soc. (For reserva., Phil Petersen, 576-3058)	Mr. Peters Banquets 1018 Mt. Prospect Rd. Rand & Central Rds.	Social Dinner Meeting	6:00 PM 6:45 PM 7:30 PM
26	"No. 5 ESS"	Communications Soc. (j/w Fox Val. Sub.)	Wilton Manor Geneva Rd. & Main St. Wheaton	Social Dinner Meeting	5:30 PM 6:30 PM 7:30 PM
26	"Household Burglary & Fire Alarm Systems"	Northwest Sub.	Mr. Peters Banquets 1018 Mt. Prospect Plaza Rand & Central Rds.	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
JUNE 8	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	Brown & Root Offices 701 E. 22nd St. Lombard	Meeting	7:30 PM

IAS/IECI PRESENTING "STEPPER MOTORS"

On May 12, Kerry Connelly, Sales Engineer with Bodine Electric will be guest speaker for the Industry Applications/Industrial Electronics & Control Instrumentation Society. He will explain how "Stepper Motors" work, give examples of applications, and there will also be a hardware demonstration. See above Calendar of Events for meeting location and time.

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 1982-83 term. Voting was by ballot printed in the April issue of Scanfax. Officers elected are:

Chairman	- Howard Wolfman A. B. Dick Company
Vice Chairman	- William Everson Commonwealth Edison Company
Treasurer	- Robert Scheman A.T.& T. Long Lines
Secretary	- George Thomas Contemporary Control Systems, Inc.

Members of the Executive Committee elected by mail ballot are:

John Anich	- Sargent & Lundy
Joseph Feitler	- S.P.R., Inc.
Henry Korman	- Noble U.S.A.
Bert Orszula	- Brown & Root, Inc.
George Stout	- G.P.E. Controls
John Tyner	- Cleworth Publications
John Waters	- Bussmann Mfg.Div., McGraw-Edison Co.
William Wiltse	- Allen-Bradley Company

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.

PROTECT YOUR PROPERTY!

The featured speaker at the May 26 meeting of the Northwest Subsection will be Tom Hayes, Sales and Marketing Manager of Reliable LP/CO2 Systems of Alsip. His talk will give a brief history of the fire detection and security field and bring the audience up-to-date to the latest state-of-the-art. He will concentrate on the application of the devices that are currently being used in residential applications.

Tom Hayes has been involved in fire detection and protection for the past 15 years. He is a member of the National Fire Protection Association and has been active on the 72E Committee for Detection Devices and is Secretary of a Subcommittee for Fire Protection in Nuclear Power Plants. He is Past President of the National Independent Fire Alarm Distributors. He has been involved in engineering and sales of fire alarm systems for commercial applications as well as heavy duty industrial applications and for use of releasing halon 1301 systems, carbon dioxide systems foam fire protection and water deluge.

Mr. Hayes is not only familiar with the codes and requirements for detection systems, but has first-hand application knowledge and design experience with fire detection and protection. He is also Chairman of the Fire Detection Institute, a non-profit research group. See Calendar of Events for meeting location and time.

SCANFAX, (Publication number) (ISSN 0018-9227), May 1982 Volume 34, Number 9, 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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Professional Activity

UPDATE

EMPLOYEE PATENT RIGHTS

Legislation is proposed in the U.S. House of Representatives (HR 4732) and in the State of Illinois at Springfield (HR 1206) to protect the patent rights of the engineer who develops an invention unrelated to his employers business.

HR 1206 proposed by Rep. Brummer and entitled The Employee Patent Acts: restricts employment agreements requiring an employee to assign any of employee's rights in an investigation to the employer to those where employer had an input by wages, trade secrets or material ALSO requires employee disclosure to employer.

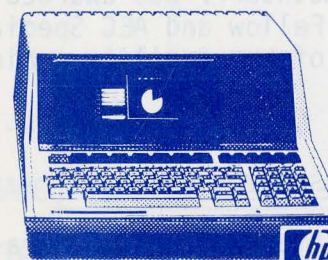
The following is an excerpt from the IEEE Position Statement on HR 4732: The Institute of Electrical and Electronics Engineers, the largest technical society in the world, is concerned that the agreements which many corporations require their employees to sign as a condition of employment are contrary to the best interests of this country. It is believed that these agreements often discourage employees from engaging in the type of creative activity that leads to inventions and advances in technology and that they have contributed to the decline of innovation in the United States relative to that of other industrialized countries such as Japan and West Germany. Therefore, the IEEE/USAB Patent Task Force supports enactment of HR 4732 to set Federal standards for permissible employee pre-invention assignment agreements.

You are encouraged to contact your representatives and urge them to vote in favor of this legislation. More information is available on HR 4732 by writing your P.A.C. Chairman, John Waters at IEEE, 125 South Clark Street - Room 1545, Chicago 60603.

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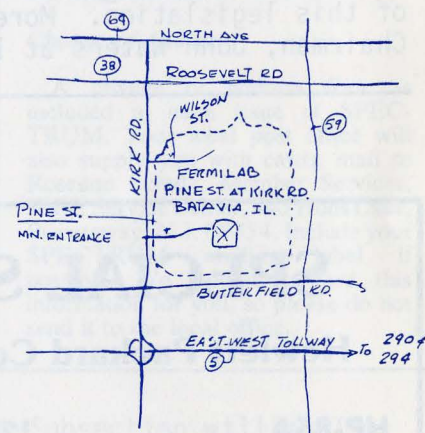
On May 17, the Antennas & Propagation/Microwave Theory & Techniques Society (joint with Electron Devices and Communications Societies) will present the national lecture, "Microwave Communication Technology." Communications represent the largest microwave market segment, worldwide. Analog terrestrial microwave links carry more than half of the long-distance communications in the U.S. and in most other countries. The talk is intended to concentrate on technological developments in response to the prevailing operational requirements and competitive pressures. Other areas of progress in microwave communication technology to be highlighted are: the ongoing expansion into the mm-wave range, the growing point-to-multipoint transmission requirements, the beginning of commercial spread-spectrum transmission applications, and last - but not least - the continuing progress in the development of analog microwave transmission equipment.

Guest speaker will be Ferdo Ivanek, Manager, Microwave Radio & Multiplex Development at the Farinon Electric Operation of the Harris Corporation, San Carlos (California). He is a Senior member of the IEEE and served as Chairman of the Santa Clara Valley Chapter of MTTs and is currently Chairman of the Microwave Systems Committee. He also serves on the IEEE Solid-State Circuits Council as representative of the Communications Society. His active participation in the CCIR includes the first chairmanship of the Study Group 9 Working Group on Radio-Relay Systems for Developing Countries. Mr. Ivanek has published over 40 articles and one book chapter, and holds one patent. Deadline for reservations is May 14. See Calendar of Events for meeting location and time.

SUPERCONDUCTIVITY - ENERGY SAVER/DOUBLER PROJECT

More than 1,000 Niobium-Titanium alloy magnets strung out over a four mile ring and maintained at cryogenic temperatures of -450°F will constitute the world's first large scale application of superconductivity.

Dr. Alfred D. McInturff will discuss the important role of superconductivity in high energy physics research applications in addition to Energy Saver/Doubler Project for the Fox Valley Subsection on May 15. Dr. McInturff is a physicist at Fermi Lab. He has authored a book on "Metallurgy of Niobium-Titanium Conductors" and holds two patents concerning superconductivity. He has published 60 papers on elementary particle physics and high magnetic field technology. Before he joined Fermi Lab, he was Senior Research Engineer in Atomics International, Division North American Aviation. He received his post doctorate, Ph.D. and M.S. from Vanderbilt University and his B.S. from Oklahoma State University. Dr. McInturff was awarded Vanderbilt's tuition scholarship, and honored as advanced AEC Fellow and AEC Special Fellow. The talk will begin at 10:00 A.M. followed by a tour of the facility, which will take approximately two hours.



TALK ON "NO. 5 ESS" AT COMMUNICATIONS SOCIETY & FOX VALLEY SUBSECTION MEETING

Dr. Jerry W. Johnson, Head of the Advanced Technology Department at Bell Laboratories will speak on "No. 5 ESS" at a joint dinner meeting on May 26 sponsored by the Communications Society and the Fox Valley Subsection. The No. 5 Electronic Switching System (ESS) is a digital time division switching system designed to be applicable across the entire size range of local offices in the Bell System. The talk will cover the No. 5 ESS distributed system architecture, the modular hardware design, and the functionally partitioned software design. Also No. 5 ESS's role in the evolution of the Bell System network towards a completely integrated services digital network will be discussed. For more information about the talk, call Narisa Chu at 979-3999. The Communications Society will introduce their newly elected officers at this meeting.



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The first NMOS VLSI design course to be held in the Chicago area is scheduled to begin on June 30, 1982. The instructor will be Dr. Jacob Abraham of the Department of Electrical Engineering & Coordinated Science Laboratory of the University of Illinois at Urbana.

For additional information on courses, seminars or silicon services, return the form below or call:

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*INTRODUCTION TO VLSI SYSTEMS BY CARVER MEAD AND LYNN CONWAY • 1980.

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