

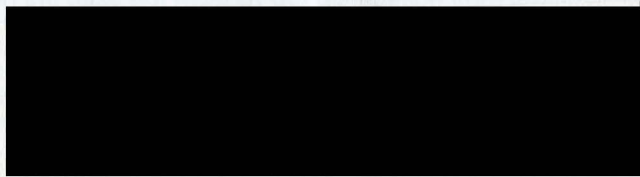


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TIME SENSITIVE MATERIAL

CALENDAR OF EVENTS

For reservations please call IEEE Office at (312) 649-2800 before stated deadline (Unless otherwise indicated)

Copy Deadline for November SCANFAX is September 25, 1990

Oct. 9 Tuesday	Chicago Section	Executive Committee	Contemporary Controls 2500 Wisconsin Downers Grove, IL	Meeting: 7:15 PM
Oct. 10 Wednesday	Power Engineering	Southwest Transit Traction Power Distribution System	Carson Pirie Scott Monroe & Wabash Chicago-Corporate Level	Social: 11:30 AM Lunch: 12:00 noon Meeting: 12:30 PM
Oct. 10 Wednesday	IAS/IES	Miniaturization and Safety Problems	Kathryn's 600 N. River Road Mt Prospect, IL	Social: 5:30 PM Dinner: 6:30 PM Meeting: 7:30 PM
Oct. 10 Wednesday	Communications	Personal Communications Networks	Sharko's Restaurant 2225 Ogden Avenue Lisle, IL	Social: 6:00 PM Dinner: 7:00 PM Meeting: 8:00 PM
Oct. 11 Thursday	LEOS	RIMS Cosmochemical Analysis: Universe Dating	Argonne National Lab 9700 S. Cass Ave Argonne, IL (south-west of I-55)	Check-in: by 5:00 PM Tour: 5:30 PM Talk: 6:00 PM Social: 7:30 PM Dinner: 8:00 PM
Oct. 15 Monday	Antennas and Propagation/ Microwave Theory	RF Properties and Applications Low/High Tc Superconductors	Atrium Restaurant 3223 Algonquin Road Rolling Meadows, IL	Social: 5:30 PM Dinner: 6:30 PM Meeting: 7:30 PM
Oct. 16 Tuesday	Engineering in Medicine and Biology; Computers	IEEE P1073 - The Medical Information Bus	Interactive Systems 1901 N Naper Blvd Naperville, IL	••Dinner: 6:00 PM Meeting: 7:30 PM •• see notice ••
Oct 18 Thursday	Reliability; Engineering Management & Prof. Comm.	Asset Allocation Models — Your Portfolio for the 1990's	Midway Motor Lodge 1600 E. Oakton Elk Grove Village, IL	Social: 6:00 PM Dinner: 7:00 PM Meeting: follows
Oct 24 Wednesday	Fox Valley Subsection; Computers	IBM PC Shareware for MS-DOS	Wilton Manor Schmale Road Wheaton, IL	Social: 6:00 PM Dinner: 7:00 PM Meeting: 8:00 PM

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James Carroll, Editor
Room 2H 211
AT&T Bell Labs
2000 N. Naperville Rd.
Naperville, IL 60566
(708) 979-8820 FAX (708) 979-8823

Bob Hofmann, Assoc. Editor
(708) 979-3627

Steven Hofmann, Copy Editor
(708) 979-4247

Ed Barrett, Advertising Director
171 Warwick Drive
Glendale Heights, IL 60139
(708) 517-1890

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MAY	MAR 26	APR 15
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THESE ARE FIRM DEADLINES
FOR ADS AND COPY!!!

CHAIRMAN'S COMMENTS AUGUST 25, 1990

I would like to thank Robert Schrage for the fine job he has done in running the Chicago Section this past year. I hope that I will be able to do as well this coming year, and with the help of many people, I do expect to do as well. I have several items that are of concern to me and I would like to be able to accomplish as many of them as possible. Our finances are diminishing; searching for alternate sources of revenue and financing, and monitoring expenses carefully is a necessity. Here are several of the items that I have in mind:

1. Start and finish our executive committee meetings on time.
2. Push Midcon; even though it is in Dallas this year, I would like to make all of us more aware of its importance to the Chicago Section. Midcon occurs in September, and after that date, we will be talking about Midcon '91 which will be in Chicago. Midcon has been an important source of revenue for the Chicago Section in the past, but recently our distribution from profits has decreased markedly. Midcon is an excellent electronics show that we can attend easily, and conveniently be kept up to date on electronic developments.
3. Generate more interest in the Chicago Section and provide as good programs this year as we have had in the past. I would like to explore other possibilities to make the Executive Committee meeting more informative and enjoyable, hence encourage more and better attendance.
4. Determine the interest in re-establishing the IEEE Treasure Hunt, which was a highly successful social activity back in the '60s.
5. I would like to see a training session for new chairpersons conducted early this fall as an all day Saturday event. This strengthens the section and allows Executive Committee meetings to run more smoothly. Several persons have been instrumental in the past in conducting these training sessions.
6. Be sensitive to the needs of the membership of the Chicago Section and take steps to provide for these needs.

George Stout, Chm. (708) 827-8509

An Open Letter To Our Chicago Section Members

As a long-time member of the IEEE Computer Society and as the current Chairman of our Engineering Management/Professional Communications Society, allow me to call your attention to the following:

IEEE's September 1990 issue of *The Institute* includes a major step for upgrading the information processing capabilities in Piscataway, NJ. (See bottom of page 2 of that issue). This formal "Request for Interest" cites an August 27, 1990 date when the Request for Quote ("RFQ") was to become available; a Bidders' Meeting was announced for September 18, 1990; several future dates followed. Since this advertisement did not appear in our August 1990 issue, several essential deadlines obviously will have elapsed before our IEEE members could act on this information. In addition, there is no reassuring statement that a given product from a duly qualified bidder need be compatible with the other bid items. No obvious request was included for professional outside advice to ensure that the bid items in the response can interact properly and thereby accomplish their intended purpose in a cost-effective manner.

The poor timing of this advertisement with respect to its announced deadlines, the seemingly incomplete descriptions of the desired scopes of work (i.e., the software products) should concern us since they will affect both the size of our future IEEE dues payments and the quality of the professional services provided to our members and Societies.

Please attend our Section Executive Committee meetings to voice your opinions (pro or con) and/or send your comments to IEEE Headquarters ASAP.

Joe Feitler LS0275669

Meeting of the IEEE Communications Society (Chicago Chapter)

AGENDA:

- Introduction of new officers and committee members

- Technical Presentation: **Personal Communications Networks**

DATE: Wednesday, October 10, 1990

GUEST SPEAKER: Joseph J. McCarthy, AT&T Bell Laboratories

PLACE: Sharko's Restaurant, 2225 Ogden Ave., Lisle

TIME/COST: Social: 6:00 PM - Cash Bar

Dinner: 7:00 PM - \$13.00

Speaker: 8:00 PM - FREE

RESERVATIONS: Call (312) 649-2800 to make reservation for Dinner and/or Meeting by Monday, October 8, 1990.

FURTHER INQUIRIES: For further questions call Ken Smolik at (708) 305-4396.

ABOUT THE TOPIC: The phrase "Personal Communications" invokes many different images to users, but all these images share certain fundamental characteristics. Many, if not all, of these characteristics can be provided through the interworking of existing and planned systems (PTSN, ISDN, Public Land Mobile Network, and the existing SS7 backbone networks). Mr. McCarthy will discuss a set of functional components which can be combined to form a network architecture for the Personal Communications Network.

ABOUT OUR SPEAKER: Joseph McCarthy is a Member of Technical Staff at AT&T Bell Laboratories in the Cellular Systems Engineering Department. He has been involved in various aspects of telecommunications including Electronic Switching Systems software development and RF propagation modeling in the mobile cellular environment. He currently is responsible for representing AT&T in various standards areas including the EIA/TIA, CCITT, and ETSI GSM.

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Wednesday October 10, 1990

SPEAKER: Mr. Peter J. Boden
Senior Project Engineer
Underwriters Laboratories Inc.

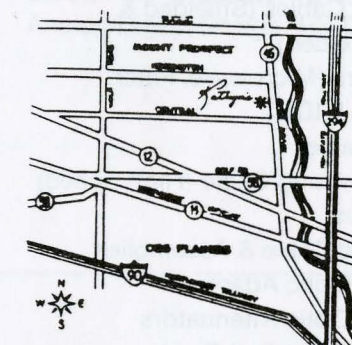
TOPIC: Surface Mount Technology
Can Miniaturization Lead to Safety Problems?

ABSTRACT: Advances in the electronics industry have lead to new design, assembly, and manufacturing techniques to miniature electronic components and circuitry. One such advancement is called surface mount technology (SMT). As with any newly developed technology, some safety concerns have arisen. Mr. Boden will discuss research UL is conducting in two areas: 1) SMT adhesive flammability, and 2) silver migration from surface mount component electrodes.

SPEAKER: Mr. Boden received his A.A.S. degree from Michigan Technological University, his B.S. degree from Northern Michigan University, and his M.S. degree in Biomedical Engineering from the Electrical Engineering/Computer Science Department at Northwestern University. He has been employed by UL for the past nine years and his present responsibilities include conducting electrical research and new technology development.

Location
Kathryn's Banquets
600 N. River Road (East of Wolf RD)
Mt. Prospect, IL.

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



Reservations

Please call the IEEE Message Center at 649-2800 as soon as possible to ensure Dinner seating. The cost of dinner is \$15.

IEEE Engineering in Medicine and Biology Society
and IEEE Computer Society

Tuesday, October 16, 1990

IEEE P1073 – The Medical Information Bus

The Medical Information Bus (MIB) is a proposed international standard to specify a Local Area Network (LAN) which is specifically designed for data communications services between medical devices and computers. The MIB serves a multi-vendor environment and conforms to the ISO-OSI (International Standards Organization - Open Systems Interconnection) architectural model; the MIB provides a logical association between a patient and those medical devices connected to (or monitoring) this patient. This effort is sponsored by the IEEE EMB Society as proposed standard P1073.

Our speaker, Alan Figler, serves as sub-chairman of the Applications Sub-Committee of the MIB working group; Baxter Healthcare Corporation has sponsored him as their technical representative for the past six years. Mr. Figler also runs a consulting business.

"Meet the Speaker" Dinner	6:00 PM at Old Peking Restaurant 1563 N Naper Blvd Naperville, IL	1/2 mile south of I-88 exit at Naperville Road; on west side, near large white water tower
(order from menu)		
Presentation	7:30 PM at Interactive Systems Corp. 1901 N Naper Blvd Naperville, IL (708) 505-9100	immediately north of I-88 exit at Naperville Road; on west side, look for big sign

For dinner/meeting reservations, please call IEEE Office at (312) 649-2800 by 10/12/90

Please call Lee Jurkowski at (708) 505-9100, x319 if you need more detailed directions.

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- Phase Matched Cable Assemblies
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- Power Limited Circuit Cable Class 2 or 3
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Telecom. Seeks Executive Position in
Marketing, Sales.

209 MSEE – 12 years of Solid Experience.
Consulting in HW/SW/Systems. Video, Data
Comm, Controls, ASICS, AI

210 BSEE – IIT Graduate, 10 Years Experience in Analog/Digital Design, RF Design and Test.

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IEEE POWER ENGINEERING SOCIETY



SPEAKER: Mr. Michael G. Kelly, P.E.
Associate, Envirodyne Engineers, Inc.

TOPIC: Southwest Transit Project

ABSTRACT: The Southwest Transit Project will approximately follow the Archer Avenue Corridor from Midway Airport on the southwest side of the City of Chicago to the Central Business District. The organization of the Southwest Transit Project, routing, substation location and construction, substation conversion capability, traction power distribution and present construction schedule will be discussed.

PLACE: Carson Pirie Scott - Chicago (Monroe and Wabash)
Corporate (lower) Level

DATE: October 10, 1990

TIME: 11:30 Social, 12:00 Lunch, 12:30 Presentation

Reservations must be made by Monday 10/8/90, 12:00 p.m. Reservations may be made by calling the IEEE Chicago message center at 649-2800. Please leave name(s) and company name(s) for those wishing to attend.

Power and Life

RELIABILITY SOCIETY ENGINEERING MANAGEMENT SOCIETY/PROFESSIONAL COMMUNICATIONS SOCIETY IEEE CHICAGO CHAPTERS

SPEAKER: Mr. Keith Vander Veen
Senior Financial Consultant & Assistant Vice President
Merrill Lynch - Naperville, IL

TOPIC: Asset Allocation Models - How to position your portfolio for the 1990's

ABSTRACT: The professional engineer, like his counterpart elsewhere, needs to be conversant with the latest tools and methods to ensure investment with safety and with growth at minimum exposure to risk. This talk will walk you through ways of achieving your financial goals. It is targeted at professionals in various stages of their career.

BACKGROUND: Mr Vander Veen has broad experience in managing money for professional people, individuals, business people, and people planning retirement.

PLACE: Midway Motor Lodge at Route 83 and Oakton Blvd, Elk Grove Village, IL

DATE: October 18, 1990 (Thursday)

TIME: 6:00 PM Social Hour (Cash Bar) 7:00 PM Dinner (Choose from menu) Meeting to follow

Please make your reservations for this particular dinner/meeting with the IEEE Office at (312) 649-2800 by 10/11/90.

Your friends and co-workers will be welcome at this talk.

For additional information, contact Mike Ero, the Program Chairman, at (708) 979-1890.

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Updated August 26, 1990

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BROADCAST TECHNIQUES SOC CHMN

(VACANT)

LASERS AND ELECTRO-OPTICS SOCIETY

CHICAGO CHAPTER

TOPIC: R I M S Cosmochemical Analysis: Dating the Universe
DATE: Thursday, October 11, 1990
SPEAKER: Dr. Michael J. Pellin, Chemistry Division
LOCATION: Argonne National Laboratory, 9700 S. Cass Ave.

R I M S holds the promise of solving many longstanding cosmochemical problems. The laboratories which house high-resolution, intense, tunable lasers and a unique time-of-flight mass spectrometer will be open for a tour.

AGENDA: before 5:00 p.m. Check In at Argonne Visitors Reception Center
5:30 p.m. Tour of laboratories 7:30 p.m. Social/Business
6:00 p.m. Presentation 8:00 p.m. Dinner

REGISTRATION: All foreign nationals must contact Jan P. Hessler at (708) 972-3717 as soon as possible and before 5:00 p.m. Tuesday, October 2, 1990. Citizens of the United States must register with Jan P. Hessler by 5:00 p.m. on Tuesday, October 9, 1990.

R.S.V.P.: The Social and Dinner will be at Buckingham's, 501 Plainfield Rd., Willowbrook, Illinois. Entrees are Sirloin Beef Plate or Vegetable Platter, both at \$15.00/person. Dinner reservations should be made by calling the IEEE Chicago Message Center at (312) 649-2800 by 5:00 p.m. Tuesday, Oct. 9, 1990.

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

OCTOBER 1990 MEETING NOTICE

RADIO FREQUENCY PROPERTIES AND HIGH-POWER APPLICATIONS OF LOW-T_c AND HIGH-T_c SUPERCONDUCTORS

**PRESENTED BY
COURTLANDT BOHN, ARGONNE NATIONAL LABORATORY**

High-Q resonant cavities are desirable for a number of high-power rf applications. The low rf surface resistances of superconductors make these materials desirable for the construction of high-Q cavities. A description of the rf properties of both conventional and high-T_c superconductors and an illustration of some existing and potential high-power rf applications of these materials will be given.

DATE: Monday, October 15, 1990
PLACE: The Atrium Restaurant {1st exit north of I90 off Rt. 53;
3223 Algonquin Road {1/4 mile east on Rt. 62,
Rolling Meadows, Illinois {Algonquin Road
TIME: * Social - 5:30 PM * Dinner - 6:30 PM * Meeting - 7:30 PM

Please make your reservation by noon on Friday, October 12, by calling (312) 649-2800. The dinner cost is \$21.00 and is optional. A reservation is required, even if you plan to attend the meeting only. Non-IEEE members are welcome.



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.



FOX VALLEY SUBSECTION

in a Joint Meeting with

THE IEEE COMPUTER SOCIETY

TOPIC: IBM PC Shareware for MSDOS

DATE: Wednesday, October 24th, 1990

SPEAKER: Gary Elfring

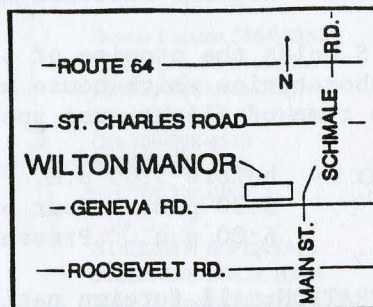
PLACE: Wilton Manor, Schmale Rd., Wheaton

TIME/COST: Social: 6:00 p.m. - Cash Bar

Dinner: 7:00 p.m. - \$12.00

Speaker: 8:00 p.m. - *Free*

RESERVATIONS: Call (312) 649-2800 to make reservations for Dinner and/or Meeting, by **Friday, October 19th 1990.**



INTRODUCTION: Lots of high-quality *shareware* exists for the IBM PC and its clones. An average shareware program is as good as — or even better than — its commercial counterpart; furthermore, you can test shareware software before buying, just like "test driving" before buying it. This talk will introduce you to the world of shareware: the available types, several outstanding examples, various sources for them, and protection against viruses.

SPECIAL NOTE: A limited number of free copies of the *Shareware Source Book* will be there if you come early. After the talk, attendees will be able to duplicate numerous programs onto pre-formatted 5 1/4 inch, DSDD diskettes. Also, if you desire, you are invited to bring your PC to help speed things along, especially if it has both 5 1/4" and 3 1/2" floppy drives. *You must bring your own pre-formatted diskettes for copying.*

TECHNICAL QUESTIONS: Direct questions about our topic or speaker to Joe Feitler at (708) 505-9100 x277.

ABSTRACT: Mr. Elfring will first introduce shareware and talk about the Association of Shareware Professionals. He will then describe sources for shareware such as user groups and Bulletin Board Systems (BBS). Next, he'll describe what's available in shareware, including system utilities, communications, business programs, word processing, and printing & fonts. The talk will conclude with a question and answer period, and a diskette copying session.

ABOUT OUR SPEAKER: Gary Elfring is the President of Elfring Soft Fonts, Wasco, IL, a vendor of a wide variety of "soft" fonts and control utilities for LaserJet™ and DeskJet™ printers. Gary has taught a series of nationwide seminars for McGraw Hill and *Electronics* magazine in assembly language programming, C programming, and microprocessor applications; he is the author of two books, *Microcomputer Assembly Language Programming* (Van Nostrand Reinhold) and *The Soft Font Manual*. He has also published many magazine articles which have appeared in *Byte*, *Computer Language*, *PC Tech Journal*, and *Programmer's Journal*.

Here's an advance reminder for your 1991 calendar:

The **1991 Chicago Section Recognition Dinner** is scheduled for Saturday, April 27, 1991 at the new Embassy Suites Hotel (at Higgins and Mannheim Roads in Rosemont, IL. Your Recognition Dinner Committee is already working hard to make this another successful and enjoyable Chicago Section event.

Henry Korman, Recognition Dinner Chairman