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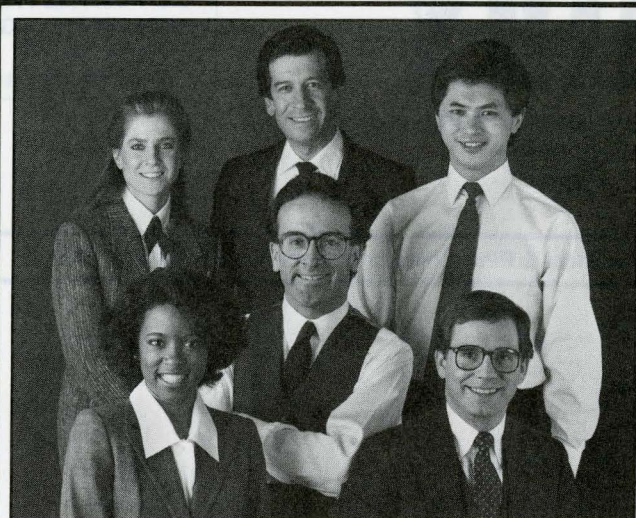
TIME SENSITIVE MATERIAL

CALENDAR OF EVENTS

For reservations call the IEEE office 649-2800
(unless otherwise indicated)

Copy Deadline for March Scanfax is January 30, 1990

Feb. 8 Thursday	LEOS	Advanced Photon Light Source at Argonne National Laboratory	Argonne National Labora- tory, 9700 S. Cass Ave. Ripples restaurant, 8025 S. Cass Avenue	Laboratory Tours: 4:30 PM Technical Presentation: 6:00 PM (No Charge) Dinner: 7:30 PM (\$13 per person, \$7 for students)
Feb. 13 Tuesday	Chicago Section	Executive Committee	Contemporary Controls 2500 Wisconsin Downers Grove, IL	Meeting: 7:15 PM
Feb. 14 Wednesday	Power Engineering Society	Station Blackout— Prairie Island Plant	Carson Pirie Scott Lower level Monroe & Wabash	Social: 11:30 AM Lunch: 12:00 PM Talk: 12:30 PM
Feb. 14 Wednesday	IAS/IES	Organize or Agonize— The Information Explosion	Allgauers 2855 Milwaukee Ave Northbrook, IL	Social: 5:30 PM Dinner: 6:30 PM Talk: 7:30 PM
Feb. 27 Tuesday	Computer Society	Transputer Applications	Wilton Manor 2200 N. Main Wheaton, IL	Social: 6:00 PM Dinner: 7:00 PM Talk: 8:00 PM
Feb. 28 Wednesday	Fox Valley	Cold Fusion— a one-year perspective	Wilton Manor 2200 N. Main Wheaton, IL	Social: 6:00 PM Dinner: 7:00 PM Talk: 8:00 PM



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Unless otherwise specified, Chicago Section IEEE neither endorses nor sanctions any positions or actions espoused in SCANFAX.

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Change of Address

Send change of address to Roseann Schulz, Member Services, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854-4150. Include your SCANFAX mailing label if possible. We cannot forward this information for you, so please do not send it to the local office or phone direct to: 1-800-678-4333.

NOMINATING COMMITTEE REPORT

The Chicago Section nominating committee chaired by Joe Feitler, met in November to develop a slate of officers for the executive committee for the 1990-1991 term. The following candidates are proposed:

POSITION	NAME
Chairman:	George Stout
Vice-Chairman:	John Truitt
Treasurer:	Barry Brusso
Secretary:	Len Cohen
Member Services:	Bob Tervin
Publications:	Jim Carroll
Professional Activities:	John Waters
Conferences:	George Thomas
Program:	Art Egan
Student Activities:	Reynaldo Jenkins
Finance:	OPEN
Special Events:	Henry Korman
Awards:	Carl Kannewurf

Nominations by petition will be accepted by the Section Executive Committee if accompanied by ten or more signatures of section IEEE members and submitted to the Section Secretary by the February Executive Committee Meeting on February 13, 1990 when nominations will be closed. The ballot for the election will appear in the April issue of Scanfax.

RECOGNITION DINNER

Saturday, April 28, 1990

Our Committee, headed by Henry Korman, will be asking for your support in soliciting contributions and in selling the tickets for this important event. For tickets and further information contact Joe Feitler at 708-505-9100, Ext. 277.

SCANFAX DEADLINES

ISSUE	COPY DUE	MAILED ON
FEB	DEC 26	JAN 15-90
MAR	JAN 30-90	FEB 15
APR	FEB 27	MAR 15
MAY	MAR 27	APR 15
JUNE	APR 24	MAY 15

**THESE ARE FIRM DEADLINES
FOR ADS AND COPY!!!**

CHICAGO SECTION AT IIT-WEST ENGINEER'S WEEK DURING FEBRUARY "Enlightening Images: Engineering for the 1900's"

Along with other local professional societies, we'll be in Bldg. M of COD in Glen Ellyn in late February.

On Thursday (2/22) for curious adults and technology professionals at 7 PM: Exhibits, followed by "Lasers — New Light of the Century" by Dr. T. H. Jeong of Lake Forest College's Physics Dept. on holograms

About 450 Junior High students will see exhibits and demos on Friday (2/23). Then we'll welcome High School students on Saturday (2/24).

Admission is free, but parents and students (and others interested) have to pre-register with Ruth Sweetser at (708) 790-4365 ASAP. Call Joe Feitler at (708) 505-9100, x277 for more info or if you want to help represent IEEE at Engineers' Week 1990 at IIT-West.

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The IEEE Chicago Computer Society Chapter invite you and your friends to our next meeting

TOPIC: TRANSPUTER APPLICATIONS

DATE: Tuesday, February 27, 1990

SPEAKER: Ed Barrett – SGS-Thomson Microelectronics (INMOS)

PLACE: Wilton Manor, Main Street & Geneva Road, Wheaton, IL

TIME: 6:00 P.M. - Social Hour (Cash Bar)
7:00 PM - Dinner (\$14.00; RESERVATIONS REQUIRED)
8:00 PM - Talk (FREE)

RESERVATIONS:

Call IEEE Message Center at (312) 649-2800 before noon of February 23, 1990 for
your dinner reservations (please specify if you want a vegetarian meal)

NOTE:

If we do not have twenty (20) dinner reservations, we cannot get this meeting room
without extra charge!

QUESTIONS: Call Joe Feitler at (708) 505-9100, x 277

ABSTRACT

An OSCAR for a microprocessor? Concurrency? Multiprocessing? Parallel Pro-
cessing? Redundancy and Fault Tolerance? Explore the topics and the application
of the TRANSPUTER, a novel micro architecture for multiprocessing.

It is becoming increasingly clear that semiconductor technology alone cannot
provide the performance which the users are demanding from microprocessors
involving embedded controllers attached to Workstations. The next real perfor-
mance gains will have to come from improved system architecture; some flavor of
parallel processing will be necessary to overcome the sequential nature of today's
typical processors. We will also discuss RISC and CISC machines briefly to obtain a
historical perspective on where we are today.

We plan to demonstrate the performance gains available from the parallel process-
ing architecture. If you are really curious, the OSCAR-winning "Tin Toy" by PIXAR
used the TRANSPUTER for generating its animation images.

ABOUT OUR SPEAKER

Ed Barrett, a Senior Field Engineer with INMOS, is a Senior Member of IEEE and
has been an active member of the Chicago Section for many years. He served as
our 1987/8 Section Chairman after holding Section Officer and Committee Chair-
man assignments.

PLEASE TELL YOUR FRIENDS AND CO-WORKERS
ABOUT THIS INTERESTING MEETING

Join/Rejoin IEEE



THE INSTITUTE OF
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FOX VALLEY SUBSECTION



TOPIC: Cold Fusion: A View from One Year's Perspective

DATE: Wednesday, February 28, 1990

SPEAKER: Dr. John M. Carpenter

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 Monday, February 26, 1990.**

TECHNICAL
QUESTIONS: Direct questions about our topic or speaker to Jim Fancher at (312) 294-8085.

ABSTRACT: In February 1989, two electrochemists at the University of Utah stunned the scientific world by announcing to the media the creation of a nuclear fusion reaction - the combining of light elements, with attendant energy release, that is the basis for the hydrogen bomb - in a small, relatively low-temperature laboratory experiment. A year later the phenomenon has its believers and its skeptics, but still no conclusive evidence that it is a real effect. Dr. Carpenter will discuss the current status of such research and will illustrate the factors which make it difficult for such experiments to provide unambiguous results to reward hopeful researchers. The lessons to be drawn from this experience should provide sobering thought for engineers in R & D fields well-removed from the energy scene.

ABOUT OUR
SPEAKER: Dr. Carpenter is a Senior Physicist at Argonne National Laboratory. He is Technical Director of the IPNS (Intense Pulsed Neutron Source) project, which recently earned him the University of Chicago's Distinguished Service Award. More to the point, he was a participant in Argonne's efforts to replicate the 1989 experiments which claimed to have produced small-scale nuclear fusion. Dr. Carpenter's broad experience uniquely qualifies him to identify the pitfalls inherent in research, such as this, which crosses disciplinary boundaries.

IEEE POWER ENGINEERING SOCIETY



SPEAKER: Mr. Gary Paryz, P.E.
Fluor Daniel, Inc.

TOPIC: STATION BLACK-OUT AND THE PRAIRIE ISLAND
NUCLEAR GENERATING PLANT

ABSTRACT: This presentation will discuss the regulatory requirements associated with the Station Blackout issue, and the program established by Northern States Power's Prairie Island Nuclear Generating Plant to address them. Included in this presentation will be a discussion of Prairie Island's emergency diesel-generator (EDG) procurement process and their plan to upgrade their existing electrical distribution system, in addition to improving on-site emergency AC power reliability. Many design concerns regarding the interface between the existing plant and the new EDG facility will also be addressed.

BACKGROUND: The speaker Gary Paryz, received his Bachelor's Degree in Electrical Engineering from the Illinois Institute of Technology in May, 1974. He has since held a variety of positions with consulting engineering and engineering construction firms serving the power, steel and water treatment industries. Mr. Paryz is presently with Fluor Daniel, Inc. as the Lead Electrical Engineer for the Prairie Island Station Blackout Program. He is a Registered Professional Engineer in the states of Illinois, Minnesota, and Iowa.

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

DATE: February 14, 1990

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

Reservations must be made by Monday 2/12/90, 12:00 PM. 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



IEEE
Vehicular Technology Society
Land Transportation Division



The American Society of
Mechanical Engineers
Rail Transportation Division

JOINT RAILROAD CONFERENCE

CHICAGO, ILLINOIS is the site of the 1990 JOINT RAILROAD CONFERENCE co-sponsored by the Rail Transportation Division, American Society of Mechanical Engineers (ASME) and the Land Transportation Division, Institute of Electrical and Electronics Engineers (IEEE). This three day conference will be held at the Palmer House Hotel in Chicago on April 17 thru 19, 1990. The conference will include over twenty papers of interest to the railroad/rapid transit industries, particularly in the electrical and mechanical engineering disciplines. Also, for the first time some civil engineering topics related to track and structures will be included with the cooperation of the American Society of Civil Engineers. A field trip to visit the Electro-Motive Division, General Motors' locomotive assembly plant on Tuesday, April 17, 1990 is also part of the conference schedule.

For registration information write to:

1990 ASME/IEEE Joint Railroad Conference
3140 S. Federal Street
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Attn: John Punwani

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JOINT MEETING WITH ENGINEERING MANAGEMENT SOCIETY

Wednesday February 14, 1990

Special Valentine Night /W Spouse

ORGANIZE OR AGONIZE:
HOW TO COPE WITH THE CONTINUING INFORMATION EXPLOSION

Meeting Topic

One of the most repeated topics of conversation in all companies is the time pressure that everyone feels in trying to juggle all the things we must. **Ken Keller Partner/Owner**, The Carroll- Keller Group Ltd. will show us a system called the **Priority Management TIME: TEXT Program** designed to maximize time and priorities achieved. Mr. Keller comes to us with a 14 year business background for an international wine company, including a tenure as President of U.S. Operations.

We extend a personal invitation to you and your spouse to join us for an enjoyable and informative evening.

Location

Allgauer's Hotel & Restaurant
2855 Milwaukee Ave
Northbrook, IL.

Time

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

Reservations

Please call the Message Center at 649-2800 by January 7th to ensure Dinner seating. The cost of dinner is \$14.



CHICAGO CHAPTER



Entree choices are Roast Sirloin of Beef, Baked Chicken, or Broiled Fresh Fish. Advance dinner reservations should be made by calling the IEEE Chicago Message Center at (312) 649-2800 by 5:00 PM on Tuesday February 6, 1990. For additional information, contact Jan Hessler at ANL, (708) 972-3717.

**IEEE**

We feel this is a positive step to help our members who are out of work. The program is intended for those who are at **Member Grade and above**.

IEEE Placement Service
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Chicago, IL 60690

IMPORTANT MESSAGE FROM THE EDITOR TO ALL CHAPTER AND SECTION CHAIR, CHAPTER AND SECTION PUBLICITY, AND CHAPTER AND SECTION PROGRAM PEOPLE

The 1990 SCANFAX budget has been cut by the executive committee due to lack of income from MIDCON. We will no longer have a full page available for each different IEEE event. Starting immediately, I must have 1/2 page sized meeting announcements. They can be in a smaller typefont than previously used, if you wish. If I have to cut a full-sized meeting notice, you might not like the way I cut it, so please submit 1/2 page sized announcements. If you wish to also submit a full-sized announcement, and if space is available, I will use the full-page version whenever it is possible. Your help is greatly appreciated by myself and the executive committee.

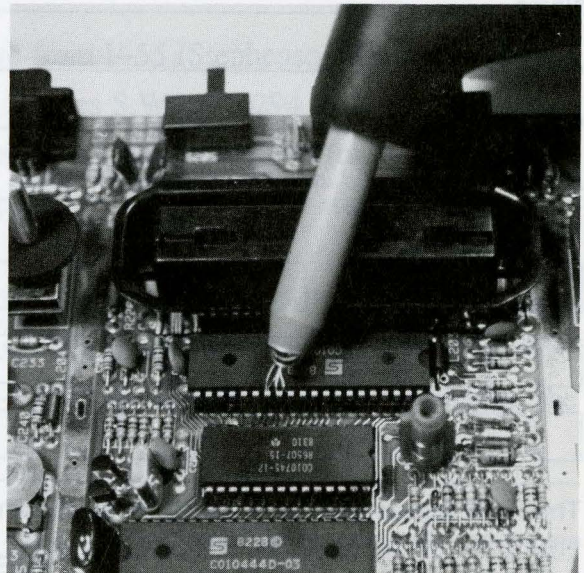
Bob Hofmann - SCANFAX Editor

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