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CALENDAR OF EVENTS

For reservations call the IEEE office at 236-4609

(unless otherwise indicated)

COPY DEADLINE: NO LATER THAN THE 25th OF THE MONTH

FEB. 8	"Rider 26 - Interruptible Electric Power"	Industry Appls./ Industrial Electronics Soc.	Mr. Peter's Rest. 1018 Mt. Prospect Plaza Rand & Central Rds.	Social 5:30 PM Dinner 6:15 PM Meeting 7:15 PM
8	"Computer-Aided Design"	Power Engrng. Soc.	Carson Pirie Scott Wabash & Monroe Sts. Highland Rm., 8th Fl.	Social 11:30 AM Lunch 12:00 PM Meeting 12:30 PM
14	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	McDonald's Plaza NE corner McDonald Dr. at 22nd, Oak Brook	Meeting 7:30 PM
19-25	34th Annual National Engineers' Week	-	"Engineers: Partners for Progress"	
19	Valentine's Day Matinee & Dinner	Power Engrng. Soc. (joint with) Fox Valley Sub.	Marriott's Lincolnshire	
21	"EMP"	Electro. Compa. Soc. (For reser., Bob Hofmann, 979-3627)	A T & T Bell Labs. Naperville Rd. Naperville	Social 7:30 PM Meeting 7:45 PM
29	"Experiences in Power Applications"	Fox Valley Sub.	Wilton Manor 2200 N. Main St. at Geneva Rd., Wheaton	Social 6:00 PM Dinner 7:00 PM Meeting 8:00 PM
MAR 13	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	McDonald's Plaza NE corner McDonald Dr. at 22nd, Oak Brook	Meeting 7:30 PM
14	"Static Trip Conversion for L.V. Circuit Breakers"	Industry Appls./ Industrial Electronics Soc.	Mr. Peter's Rest. 1018 Mt. Prospect Plaza Rand & Central Rds.	Social 5:30 PM Dinner 6:15 PM Meeting 7:15 PM
14	"Protective Relay Applications"	Power Engrng. Soc.	Carson Pirie Scott Wabash & Monroe Sts. Highland Rm., 8th Fl.	Social 11:30 AM Lunch 12:00 PM Meeting 12:30 PM
17	Tour - Fermilab	Northwest Sub.	Fermilab Batavia	Tour 9:00 AM (Details in March issue)
19	"Modern Micro. Measurements" (Spkr: Dr. Stephan Adam, MTT Natl. Lecturer)	Antennas & Prop./ Micro. T&T Soc.	Louis Restaurant 351 E. Lake St. Addison	Social 5:30 PM Dinner 6:30 PM Meeting 7:30 PM
28	"Applica. Considera. for Variable Freq. AC Drives"	Fox Valley Sub.	Wilton Manor 2200 N. Main St. at Geneva Rd., Wheaton	Social 6:00 PM Dinner 7:00 PM Meeting 8:00 PM

RECOGNITION DINNER - The IEEE Chicago Section Annual Recognition Dinner will be held on Saturday - April 28, 1984. Complete details will be published in the March Scanfax.

ATTENTION OFFICERS OF IEEE CHICAGO SECTION SOCIETIES AND ASSOCIATED SUBSECTIONS - Once, each year, the Chicago Association of Technological Societies (CATS), of which the Chicago Section is a member, promotes an Annual Awards Dinner. The purpose of this dinner is to give special recognition to two or three individuals which have been proposed by the member societies as outstanding in their life work, in their contributions to their Societies and to society in general. In the past, IEEE members have appeared on this distinguished roster and we certainly should be able to propose candidates for the next Award Dinner which will occur May 9, 1984. Having your candidate receive this award also confers distinction on your own Society as well as showing your outstanding members that your Society appreciates them.

For a meaningful selection of the necessarily limited number of awardees, the Awards Jury must have the dossier showing your candidates' qualifications at an early date to give it proper consideration. The deadline for submissions is February 20. There is no limit on the number of candidates which may be submitted. You must know one or more members who should be considered for this honor.

Please submit your candidates' dossiers e-a-r-l-y and give IEEE a chance to be represented this year.

Call Eleanore at the IEEE office on 236-4609 for a copy of instructions for submitting candidates for the CATS Merit Award. Do it today!

"RIDER 26-INTERRUPTIBLE ELECTRIC POWER" - The U.S. Congress enacted PURPA (Public Utility Regulatory Policy Act) in 1978. This Act mainly covered utility/customer relationships in

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which the customer generates part of its electrical requirements. A part of the Act recommended that state Public Utility Commissions investigate the value of interruptible rates.

Com Ed Rider 26 is the local implementation of that recommendation and many utilities around the country have similar rates available. Rider 26 allows the customer (mainly industrial) to designate a part of its demand as interruptible and receive a lower rate on this part. Com Ed can then request the customer to shed this portion of his load for specified times at specified intervals.

At the Industry Applications Society/Industrial Electronics Society dinner meeting on February 8, George Austin of Commonwealth Edison will explain the Rider and Mickey McGuire of Weldy/Lamont Associates, Inc. will explain various strategies used by individuals to benefit from this Rider.

SCANFAX, (Publication) number (ISSN 0018-9227). February 1984 Volume 36, Number 6 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.

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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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MEMBERSHIP SURVEY

In May, 1984 the IEEE will be sponsoring a Section's Congress. This meeting is intended to provide for discussion and information exchange by the sections throughout the world. As a part of this activity, we are soliciting information from you on your feeling about the Institute, how IEEE can improve its services to you and how we can attract our professional colleagues who are not currently members.

MEMBERSHIP SURVEY

Please return to Mr. W. E. Everson, Commonwealth Edison Company, P. O. Box 767 - 36 FN West, Chicago, Illinois 60690 before February 5, 1984.

Information about Interviewee (Please check one of the following):
(Optional)

Name _____	Former Member _____
Address _____	Current Member _____
Phone (Day) _____	Non-Member _____

Do you hold a position or office as an IEEE volunteer? Yes ____ No ____
If Yes, currently ____ or formerly ____.
Have you attended meetings lately? Yes ____ No ____

QUESTION 1: What benefits are you not getting from your IEEE membership that you expected when you joined or if you are not a member, what benefits do you consider most important in influencing you to join IEEE?

QUESTION 2: Among the present IEEE benefits, which do you value the most?

QUESTION 3: How do you think the IEEE can improve itself in the way it is organized and the way it operates?

QUESTION 4: In considering your future needs, what new or improved service would help you most?

-Av-

AN ADVISORY FROM THE COMPTON GROUP: HOW TO TELL IF IT'S TIME TO MOVE OUT— AND BE EXCITED AGAIN

- | | |
|---|--|
| ☐ Your contributions go unrecognized. | ☐ You spend more time "putting out fires" than in finding innovative solutions. |
| ☐ Professional development is not encouraged. | ☐ Your environment lacks professionalism. |
| ☐ There is no discernible management plan for your future growth. | ☐ Your input is less frequently sought. You're becoming "lost in the crowd." |
| ☐ Your company has become more a follower than a leader. | ☐ Internal politics intrude upon your work and the organization's functioning. |
| ☐ You feel you have "been there before" in facing a new project. | ☐ Every workday seems interminable, leaving you without enthusiasm, zest and cheer. |
| ☐ Your support staff is unqualified or insufficient, forcing too many details on your shoulders. | ☐ You feel your work—and possibly your personal life—is suffering. |

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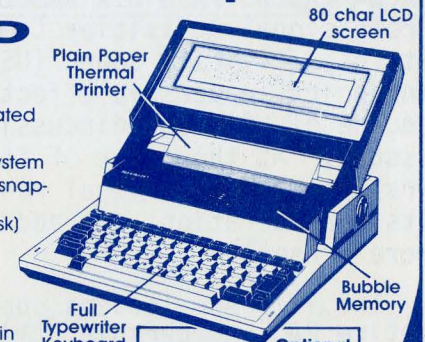
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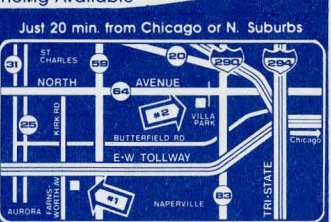


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UPDATE

PACE LEADERS PASS SIX RESOLUTIONS TO GO TO MEMBERSHIP-AT-LARGE - The 1983 National Professional Activities Committees for Engineers (PACE) Conference of the IEEE United States Activities Board (USAB) held September 2-5 included: a day-long workshop on enhancing leadership effectiveness, presentations on USAB challenges in the second decade of USAB and discussions of USAB political involvement as well as manpower issues. At the close of its meeting, held over the Labor Day weekend, the PACE leaders also passed several resolutions to be submitted to the entire PACE membership for its consideration. In addition, several USAB Awards for Professional Activities were presented.

The 127 PACE leaders supported the following resolutions to be considered by the entire PACE membership: 1) that a Task Force be created to address the issue of how engineers who wish to form their own businesses may be assisted by the IEEE; 2) "that inasmuch as the USAB was constituted specifically for measures serving U.S. members, no actions of the USAB may be overruled by the Board of Directors or by any other member or instrumentality;" 3) "that the Chairman of the USAB and Vice President for Professional Activities be selected from members with demonstrated USAB or PACE experience;" and 4) "that inasmuch as IEEE provides substantial financial support for and sends delegates to AAES, but has not received the anticipated benefits of this support, be it resolved that: IEEE fulfill any present firm financial commitment to AAES and then cease financial support; and IEEE cease sending delegates to AAES when the termination of financial support compels us to do so."

GALVIN OF MOTOROLA TO RECEIVE '84 WASHINGTON AWARD - Robert W. Galvin, Chairman and CEO, Motorola, Inc., has been elected to receive the 61st Washington Award, a national prestigious engineering honor. The Award will be presented to Mr. Galvin at a banquet on February 21 in the Americana-Congress Hotel, Chicago, during National Engineers' Week. He was selected for his commitment to excellence, vision and leadership in the electronics industry, in the education of youth and in the understanding of the private enterprise system. The event is arranged by The Western Society of Engineers in behalf of WSE and six other national engineering societies who comprise the Washington Award Commission.

Mr. Galvin was awarded the Medal of Honor, Electronic Industries Association in 1970 and Decision Maker of the Year 1973 by the Chicago Association of Commerce and Industry and the American Statistical Association. He was instrumental in directing and guiding Motorola, Inc. from a consumer electronics and two-way radio manufacturing company to a multi-national corporation. Mr. Galvin has been President of the Electronic Industries Association, Director of Junior Achievement of Chicago, Chairman of Board of Trustees, Illinois Institute of Technology, Chairman of the Industry Policy Advisory Committee to the U.S. and member of the President's Commission on International Trade and Investment.

Tickets to the banquet can be obtained from The Western Society of Engineers at 176 West Adams Street, Chicago, (372-3760).

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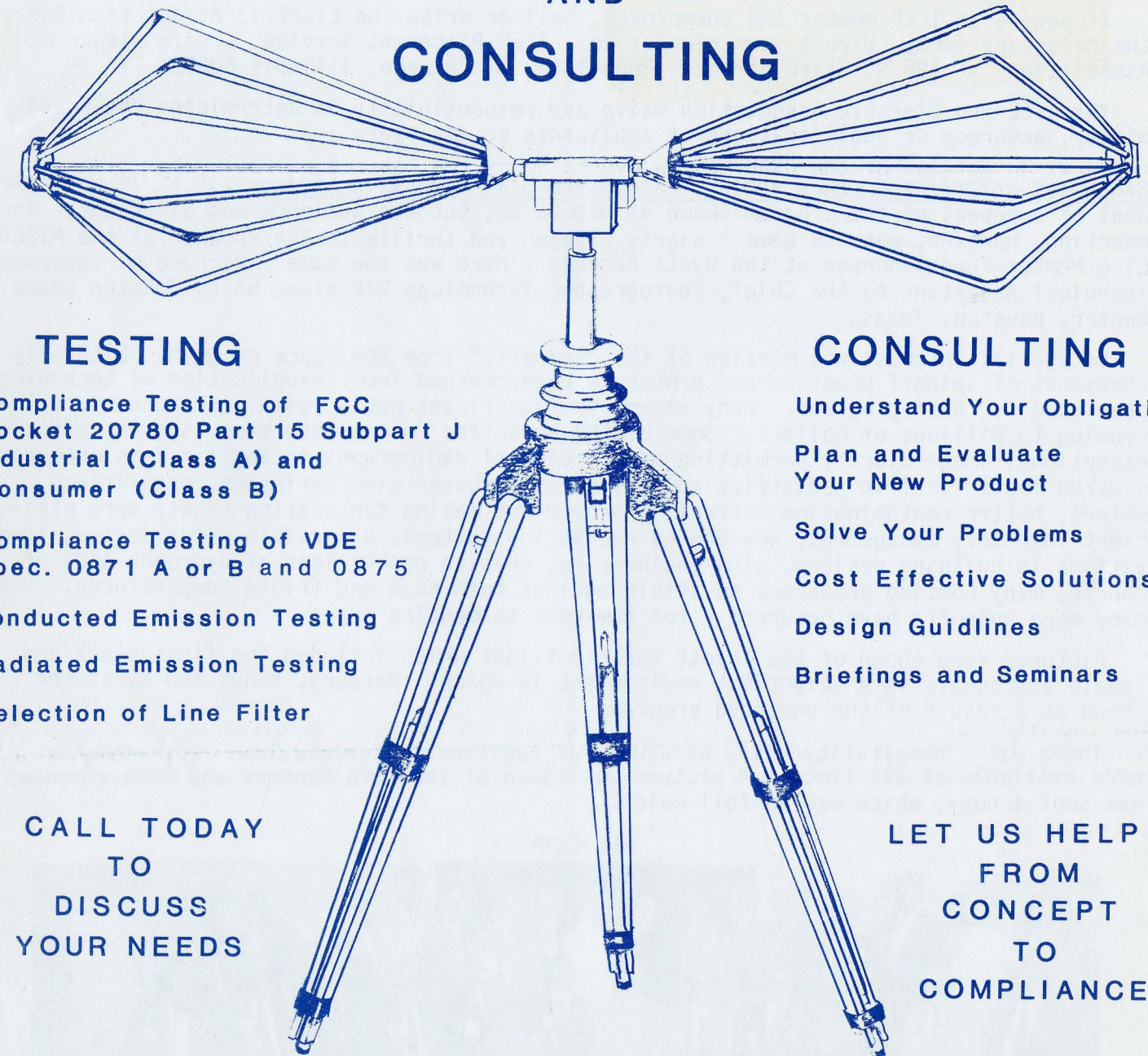
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IEEE CHICAGO SECTION PLACEMENT SERVICE - As mentioned in the January issue of Scanfax, the Chicago Section is now offering a placement service for its members free of charge. The program is intended for those who are Member Grade and above and is a positive step to help our members who are unemployed. If interested in any of the applicants listed below, call the IEEE office (236-4609) for their name and phone number. If marked "confidential" the applicant will be contacted by the IEEE so he may contact the employer.

AA - Senior electronics engr. analog/digital circuit/system design - reliab.
AB - Electronics-microcomputers-communications-administration-documentation
AC - Components engr. & QA/QC mgr., vndr. eval., stds. & proc., fail. amal., far east expert
AD - Cellular phone & two-way radio tech./inst., 8 mo. experience, no FCC license
AE - Technical PR: photography, case history, brochure, news release prep.

If you're an IEEE member and unemployed, call or write the Electric Association for the necessary form. Direct your request to: IEEE Placement Service • c/o Electric Association • 125 S. Clark Street - Room 1545 • Chicago, Illinois 60603.

The IEEE and Electric Association waive any responsibility in determining the credibility, accuracy or qualifications of applicants or employers.

EXCLUSIVE SLIDES FROM SPACE PROGRAM FASCINATED LIFE MEMBERS AT MIDCON/83 - It was somewhat of a repeat of the program shown at MIDCON/82, but the audience was different. The reaction, however, was the same - highly pleased and thrilled! The speaker at the MIDCON/Life Member Fund luncheon at the Hyatt Regency O'Hare was the same - Richard W. Underwood, Technical Assistant to the Chief, Photographic Technology Division, NASA, Johnson Space Center, Houston, Texas.

Of special interest was mention of the "spinoffs" from the space program. Literally thousands of spinoff products and processes have emerged from reapplication of technology developed for NASA programs. Many amount to significant public gain with economic values running to millions of dollars. Some of the spinoffs: micro-dose x-ray systems offering exceptional image clarity permitting use of digital radiography in applications once considered impractical in pediatrics and obstetrics. Laser wire strippers, capacitance meters, better contamination control, improved ice making for skating rinks, more efficient inventory management, new energy recovering systems, a portable x-ray device, innovations in building designs, wind engineering, on-site productions of hydrogen and, of course, many coating processes to shield against both heat and frigid temperatures. Many, many more spinoffs have occurred - too numerous to mention here.

Pictures were shown of the latest shuttle flight which included the first black and female astronauts in a weightless environment in space. Mercury, Venus and Mars were shown as a result of the unmanned program.

There was a hospitality suite as usual for registration/relaxation. Refreshments were available at all times. A picture was taken of the Life Members and each attendee was sent a copy, which was in full color.

MIDCON/83



IEEE Life Members sitting (left to right): Karl Kramer, Earle Wild, Francis A. Cox, Julius Solomon, Rod Rodriguez, Stephen Bushman, R.S. Johnson, Harvard L. Hull, Earl I. Anderson, Willard C. Rykert, R.A. Erikson, Ordean Kiltie. Standing (left to right): Jack Manley, Robert H. Bryan, William Muckenhirn, Richard Wessling, William Russ, Wayne Mitchell, E.W. Keranen, L.J. Weber, Ray L. Osborn, Les LeVesconte, Irwin Lietzke, Merton Paddleford, Ed Dervishian, T. Stahl, George R. Carlson, Louis F. Mayle, Joseph J. Gershon, Hans E. Nissel.