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Official Publication of the Chicago Section • Institute of Electrical & Electronics Engineers • JUNE 1992

TIME SENSITIVE MATERIAL

CALENDAR OF EVENTS

For reservations please call IEEE Office at (708) 963-3828 before the stated deadline
Copy Deadline for September SCANFAX is July 28, 1992

June 2 Tuesday	Chicago Section	Executive Committee	Motorola Center 1295 East Algonquin Rd. Schaumburg, Il.	Call for information (312)368-3828
June 2 Tuesday	IEEE Life Members	Technical Conference	Motorola Center 1295 East Algonquin Rd. Schaumburg, Il.	Call for information (708)576-8222
June 2-5 Tuesday-Friday	Consumer Electronics Society	International Conference on Consumer Electronics	Westin O'Hare 6100 River Rd. Rosemont, Il.	Call for Details (708)963-3828
June 14 thru 18 Sunday-Thursday	Communications Society	SUPERCOMM/ICC '92	McCormick Place 23rd & Lake Shore Drive Chicago, Il.	Call for details (708)248-5302
June 22 & 23 Wednesday & Thursday	The Lendman Group	IEEE Job Fair	Radisson Suite Hotel 5500 N. River Rd. Rosemont, Il.	Hours: 3:00 PM - 8:00 PM
June 22 & 23 Wednesday-Friday	American Automatic Control Council	1992 American Control Conference - Workshops	Westin Hotel 211 E. Chicago Ave. Chicago, Il.	Call for Details (805)893-3352
June 24 & 25 Wednesday & Thursday	Components, Hybrids MFG Technology -others-	CARTS Conference Passive-Capacitors, (See announcement herein)	Motorola Galvin Center 1295 East Algonquin Rd. Schaumburg, Il.	Call for Details (708)576-8222
June 24 thru 26 Wednesday-Friday	American Automatic Control Council	1992 American Control Conference	Westin Hotel 211 E. Chicago Ave. Chicago, Il.	Call for Details (805)893-3352
June 25 Thursday	LEOS/Communications Society	Ultra Long Distance Transmission Lines: Erbium-Fiber Amplifiers & Solitons	Jerry Sharko's 2225 Ogden Ave. Lisle, Il.	Social: 6:00PM Dinner: 7:00PM Meeting: 8:00PM
October 29 Thursday	Communications Society	Wireless Symposium	University of Illinois-Chicago 840 S. Wood St. Chicago, Il.	Call for details (708)713-1455

IEEE President to Address Chicago Section

Merrill W. Buckley, Jr., 1992 IEEE President, will attend the June meeting of the Section Executive Board. To accommodate Mr. Buckley's schedule, the meeting has been rescheduled to June 2, 1992 and the location has been changed to Motorola Center, 1295 East Algonquin Road, Schaumburg, IL. Dinner for board members will start at 6:30 pm. Contact John Truitt, our Section's Chairman at (312)368-3823 for further information.

John Truitt, Section Chairman

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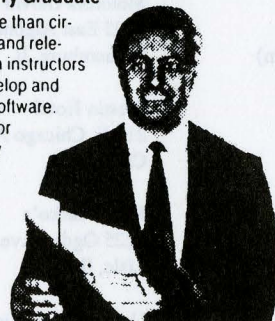
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Send change of address to Roseann Schulz, Member Services, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854-4150. Include your SCANFAX mailing label if possible or phone direct to: 1-800-678-4333. We cannot forward this information for you,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

SCANFAX DEADLINES

ISSUE	COPY DUE	MAILED ON
SEP	JULY 28	AUG 15
OCT	AUG 26	SEPT 15
NOV	SEPT 24	OCT 15
DEC	OCT 28	NOV 15
JAN 92	NOV 25	DEC 15
FEB	DEC 21	JAN 15
MAR	JAN 28	FEB 15
APR	FEB 25	MAR 15
MAY	MAR 25	APR 15
JUNE	APR 28	MAY 15

THESE ARE FIRM DEADLINES FOR ADS AND COPY!!!

Committee to evaluate localized Subsections:

The Chicago Section, at the May 12 meeting, appointed a committee to evaluate the concept, impact, and interactions with present Society Chapters and Subsections. Please participate, comment, or ask questions. Call Jack Sherman 708 576-8222. Jack is the Section's outgoing, and occasionally outspoken Member Services person.

NUMBER 19

SPRING 1992

AACC NEWSLETTER

AMERICAN AUTOMATIC CONTROL COUNCIL

1992 AMERICAN CONTROL CONFERENCE

Chicago, Illinois will be the site of the 1992 American Control Conference (ACC) on June 24-26 at the Westin Hotel. Held in cooperation with IFAC, the ACC attracts control engineers from around the world representing all aspects of controls applications and theory. The conference will be preceded by eight Tutorial Workshops on June 22 & 23.

The Westin Hotel is located on North Michigan Avenue along the renowned "Magnificent Mile" one of the most elegant shopping areas in the country. June is an excellent time of the year to visit Chicago with its many famous attractions which include the Art Institute, the Museum of Science and Industry, the Field Museum of Natural History, the Adler Planetarium, and the Shedd Aquarium.

CONFERENCE HIGHLIGHTS

The technical program reflects the rapid growth and strong interest in the field of control engineering, while providing a balance between control theory and a broad range of practical applications. The 1992 ACC contains both contributed papers and invited sessions, organized in up to fourteen parallel sessions over a three day period. The 816 papers were selected from a total of 1101 submitted papers, a record number. The program features strong representation in application areas such as aerospace, robotics, process control, and artificial intelligence and in theoretical areas such as estimation and robust control.

The technical program includes plenary lectures by three very distinguished control engineers. On Wednesday morning, Dr. William Powers of the Ford Motor Company will present a talk entitled, *Customers and Control*. Dr. Powers is Executive Director - Research Staff at Ford where he has held a number of key positions over the past 13 years. Dr. Powers has also served as the President of the American Automatic Control Council.

On Thursday morning, a new plenary will be inaugurated, the first Eckman Award Lecture. The Eckman Award is presented annually at the ACC to an outstanding young control engineer. This lecture features last year's winner, Dr. Carl Nett, an Associate Professor of Aerospace Engineering at the Georgia Institute of Technology. The talk is entitled *High Frequency Jet Engine Controls: Active Control of Unsteady Flow*.

The plenary lecture on Friday morning will be given by one of the pioneers in control and systems theory, Professor Elmer Gilbert, of the University of



Photo Courtesy of the Chicago Convention and Tourism Bureau.

Michigan. The title of his talk is *Linear Control Systems with Pointwise-in-Time Constraints: What Do We Do About Them?* Professor Gilbert is a leading researcher who has made seminal contributions in a number of areas including linear systems theory, nonlinear control systems, and organization.

On Wednesday evening, there will be a special session entitled, *Intelligent Control in Practice*, addressing the impact that Artificial Intelligence techniques are having on control engineering practice. Other conference attractions include the exhibits and social events.

WORKSHOPS

Eight tutorial workshops have been organized for the two days prior to the ACC, June 22 and 23.

Two Day Workshops (June 22 and 23):

- Applied Nonlinear Control
- DSP/RISC Applications in Control
- Liapunov Based Control
- Model Predictive Control

One Day Workshops (June 23):

- Adaptive Control
- Fuzzy Logic for Control Theory
- Applications /1 Robust Control
- Neural Networks in Control

For More Information Contact:

1992 ACC General Chairman
Dale E. Seborg
Dept of Chem & Nuclear Eng.
University of California
Santa Barbara, CA 93106
(805) 893-3352 Fax: (805) 893-4731
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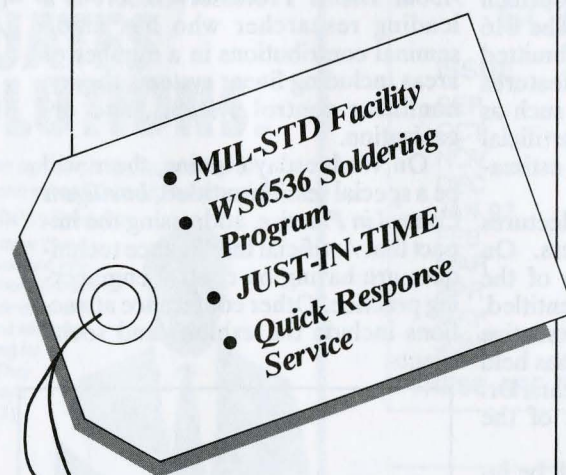
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WIRELESS SYMPOSIUM - Advance Registration Form

IEEE Chicago Chapter of the Communications Society

University of Illinois, Chicago October 29, 1992

Speakers will represent wireless industry and academia in the Chicago-land area. Topics include:

- Wireless Access Technologies
- U.S. Digital Cellular Standards
- International Digital Cellular Standards
- Cellular Networking
- Universal Wireless Network Integration and the Ameritech PCS Trial
- Authentication in Cellular Systems

Send Completed Form and Payment to:
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FAX: (708)979-3983

Registration Fees are \$95 for IEEE members and students and \$125 for non-members.

This charge includes admission for the one-day seminar and lunch.

No refunds for cancellations after October 1, 1992.

-----Cut here & return lower portion as indicated above-----

Name _____ Business Telephone Number _____

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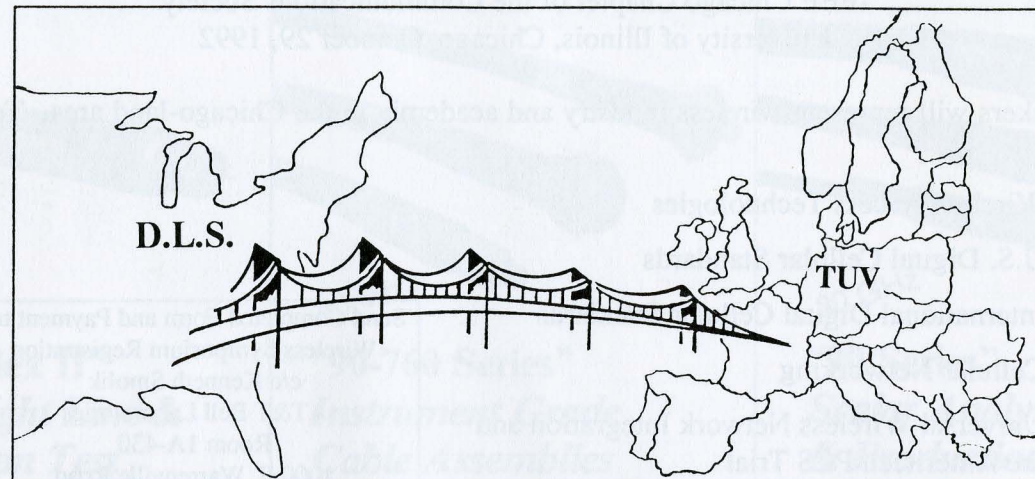
Make checks payable to the Chicago Chapter of the Communications Society. To register by credit card, please complete the following information:

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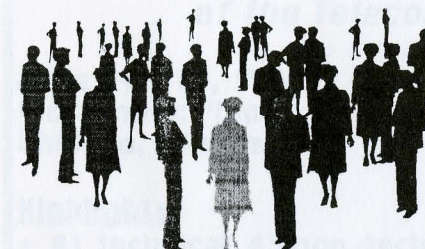
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Fox Valley Subsection



1992 - 1993
Program Questionnaire

What topics would you like to see presented next season?

Can you suggest a speaker or a company involved in that field?

What kind of tour would interest you?

Please circle the areas that interest you the most:

Automotive Electronics	Medical Electronics	Software Products	Consumer Products
Sftw/Hdwr Quality	Government Issues	Hardware Devices	Financial Investments

Other:

Are you happy with the Wilton Manor?

Room ☐ Yes ☐ No Food ☐ Yes ☐ No Cost ☐ Yes ☐ No

Which weeknight is best for you to have our meetings?

About how many meetings did you attend in 1991-1992? If none, why?

Your Name (Optional): _____

Phone: _____ 5/6/92

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June 14 - 18, 1992
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Five days of

- exhibits • technical programs
- plenaries • social events

Highlights

- 81 technical, 43 non-technical sessions; 8 tutorials/workshops
- 20,000 attendees from around the globe
- Hundreds of exhibits featuring innovations of today and tomorrow
- Receptions, awards luncheon, dinners and banquets
- Four special tours of Chicago for participants, spouses
- Ameritech's "SuperSchool: Unlocking the Future of Education"

Featured speakers

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- **Theodor Irmer**
International Telecommunication Union
- **William D. Weiss**
Ameritech
- **George M.C. Fisher**
Motorola
- **George H. Heilmeier**
Bellcore
- **David T. Kearns**
U.S. Department of Education

For information on SUPERCOMM/ICC '92: (708) 248-5302

The Chicago Section's Tellers Committee chaired by George Stout met in late April 1992 to determine the election results for the Executive Committee for the 1992-1993 term, starting July 1, 1992. The slate was approved unanimously by the 65 ballots received (out of about 7000 eligible voters!).

OFFICIAL ELECTION RESULTS

OFFICE	NAME	OFFICE	NAME
Chairman:	Barry Brusso	Vice-Chairman:	Len Cohen
Treasurer:	Ed Capouch	Secretary:	Jack Sherman
Member Services:	Mary Leatherman	Publications:	Jim Carroll
Professional Activities:	John Waters	Conferences:	Tom Monte (See Note)
Program:	Bob Camillone	Student Activities:	Mary Hart
Finance:	Don Reynolds	Special Events:	Henry Korman
Awards:	Carl Kannewurf		

NOTE:

Mr. Monte withdrew his candidacy after our ballot went to press; the Chairman will announce his replacement at the next Section Executive Meeting on June 2, 1992.

IEEE CHICAGO SECTION – PLACEMENT SERVICE APPLICATION FORM

Prospective employers will receive the information on this form on request unless marked "CONFIDENTIAL" at the top of this form. Please notify us immediately if you accept employment to leave space for other search ads.

Each search ad will run in two consecutive monthly SCANFAX issues; find publication information on page 2 herein. The number of search ads per issue may be limited by space constraints.

Name _____ (please print) IEEE No. _____ Expir. Date _____

Address _____ IEEE Grade _____

City/State/ZIP _____ Phone (____) _____

Instructions

To better serve our membership, each submission must be complete and adhere to the following:

1. Identify educational qualifications, position being sought, professional experience, and pertinent qualifications.
2. Use industry standard acronyms and abbreviations.
3. Limit your text to the 100 spaces provided.

[illegible]

The IEEE and its Chicago Section waive any responsibility in determining the credibility, accuracy, or qualifications of applicants or employers.
Mail to: IEEE Placement Service, c/o Robert A. Schrage, Commonwealth Edison Co., P.O. Box 767 - SEED 836E, Chicago, IL 60690

IEEE CHICAGO SECTION – SCANFAX PLACEMENT SERVICE

The Chicago Section provides a free placement service for its *unemployed* members of Member Grade or above. If you want additional information about the applicants listed below, contact our section's business office.
(If marked "confidential", our office will inform this applicant about the prospective employer's inquiry).

No.	Description
273	PHD - R&D experience in Telecommunications, 3 yrs with CCS7 TUP/ISUP, support tools
274	MSEE - MSCS, software development, microprocessing, networking, UNIX, Shell, & testing.
275	BSEE - Plant manager, engineering background & problem solver. SPC, MRP, JIT, Quality circles, CPIM.
276	BSEET - DeVry graduate. Seeks engineering position. 2 yrs experience with Satellite RCVR EXP ORCAD, PIC MCU & Prototyping.
277	BSEE - Working on MSEE in Control & DSP Design/Development. Seeks position in component level design, signal processing, instrumentation, or project management.
278	BSEE - Certified quality Engineer. Surface mount assembly automation, SPC, ISO9000 documentation/procedures.
279	AAS - Electronics BSBA - 5yrs computer repair in house & field service seeks computer repair.
280	BSEET - Devry - Eng rel exc Hardware and analog skills PCB layout CAD prototyping
281	MSCE - MS - MGMT/Public service. Facilities eng'g/utility - 3 yrs. Power plant design - 2 yrs.
282	MSEE - seeks development, test, or technical sales position. 23 years experience in data communications, unix/c, testing, and planning.
283	MSEE - 18 years experience in C/unix/MSDOS/Windows/design PLL, DSP, Real Time, micro, modems, mux, CAD&ISDN.
284	BSEET - October 1991 Devry Graduate - Extensive background with PC's.
285	MSEE - Experienced in product design & development. Project management - sourcing products from overseas.
286	BS - Business with digital design, computer programming, project management & sales. Seeks project manager position.
287	BSEE - Seeks Electrical/electronic engineering hardware/ software design position. Data communications experience.

**TECHNICAL WRITING CONTEST FOR THE CHICAGO CHAPTER OF
THE ENGINEERING MANAGEMENT AND PROFESSIONAL COMMUNICATIONS SOCIETIES**

(SPONSORED BY THE IEEE PROFESSIONAL COMMUNICATIONS SOCIETY)

Submitted by Michael J. McAreavy, Knight Associates
(until recently a student at Illinois Institute of Technology)

SPEAKING WITHOUT WORDS

Nonverbal communication is one of the most underdeveloped tools utilized in the interview process. Nonverbal communication involves attitude, attire, promptness, eye and facial expressions, as well as a host of other intriguing elements.

In preparing to go out and conquer the world, remember, what's not said might be heard the most. The interviewer hears everything he or she sees.

An unbuttoned collar,
yells and hollers ...
incompleteness.

Eyes that wander about,
scream and shout ...
preoccupation.

Bouncing heels and cracking knuckles,
announces chuckles ...
apprehension.

However,

Being alert, responsive and sharp,
sings like a harp ...
confidence.

Being at the right place at the right time,
vocalizes and rhymes ...
responsibility.

A nod of affirmation or even a smile,
make pleasing sound
that can last quite a while.

So when the interview comes,
and it is time to sit,

remember,
it's not what you say ...
it's how you don't say it.

TECHNICAL WRITING CONTEST FOR THE CHICAGO CHAPTER OF THE ENGINEERING MANAGEMENT AND PROFESSIONAL COMMUNICATIONS SOCIETIES

(SPONSORED BY THE IEEE PROFESSIONAL COMMUNICATIONS SOCIETY)

Submitted by Angela M. Spoden,
(about to graduate from Illinois Institute of Technology)

NOW YOU NETWORK

I wish, I wish, I had a dime (OK, maybe a few dimes) for every student who has asked me, "Why should I join IEEE (or SWE or any other group)?" Perhaps even a dollar for everyone who has questioned the value of a presentation, conference, or workshop would make me a very rich woman indeed.

The answer to me is clear and simple. IEEE and its programs are not just another set of student activities on campus. It is more than a chance to meet other students and socialize. IEEE is a more professional and technical group that has played an important role in my education, and continues to enhance my awareness in many areas. Most of this growth and awareness has come from networking.

By my own simple definition, networking is the process of making contacts, getting information, and communicating knowledge in various areas. I cannot stress enough the important difference this has made in my undergraduate life and studies. Within my own university community, as well as in the IEEE sectional, regional, and national circles I have been nothing less than warmly embraced in my position and commended for being an active part in our IEEE network. (Thank you, Ray, IEEE Student Activities Chair, for the "warm fuzzies!" My list of thank you's could go on) One of the most important and valuable lessons I have learned from my IEEE experiences is that networking is a key to a student's success. It opens many doors not available to the average student. IEEE, again, is a fine example of a source of some key contacts within the field. IEEE is a worldwide link to people and knowledge that is always available. It is a constant source of technical, academic, and professional support and knowledge. A successful network helps students in areas ranging from graduate school selection, company information, technical knowledge, and professional awareness issues.

This type of link is especially important for students who are on the brink of potentially successful and rewarding careers in the field. The contacts, information, support, recognition, and true sense of professionalism conveyed by networking are invaluable not only for now, but for continued growth as a successful and responsible contributor.

Maybe the next question on many students' minds is, "How do I form an effective networking system? Where do I stand?" This is the easy part. All you need to do is to be an ACTIVE member of an organization which best suits your individual needs and goals. I use IEEE as an example. This could be a professional society, a club, or a team.

Start slowly, recognizing and appreciating people with different talents and abilities, and respecting their individualism. Make your own talents and abilities recognizable to those around you. Show them that you can also be a valuable contributor. Be a leader, a worker, and – most importantly – an effective and observant listener. Look for opportunities to meet people, talk to them, find out about their interests and concerns. If you have trouble, try looking to someone as a mentor and support for you. I, personally, have many mentors within my own circles. Ask them questions, show them that they are valuable to you. People with the same interests are best equipped to help you find your niche, and most of them are more than willing to get involved with eager students.

Of course, return the favor when you can. Offer opinions and information as often as you can. One of the most rewarding parts of my own experiences has to be the confidence in myself which grew from being a respected and valuable part of the IEEE Student Activities Committee network (family). It is certainly a truly GREAT feeling to be a part of a networking group in which success stories are an everyday occurrence.

Build your successes, and start as soon as you can! Don't only be a member, but become a valuable and active part of a network. I can encourage, advise, and point you in the right direction, but the rest is up to you. You are the key to unlocking your own successes. Focus on a goal, and network vigorously to achieve it. It can and will happen, so go for it!

CALL FOR PAPERS

TO MEMBERS OF:

Consumer Electronics, Reliability,
Circuits and Systems, Communications,
Dielectrics & Elec Insulation, Magnetics,
Industrial Applications, Industrial Electronics,
Vehicular Technology,
Components Hybrids, and Manufacturing Technology

Jack Sherman
IEEE Chicago Section
Members Services
1395 Highland Blvd
Hoffman Estates IL 60195
Work Phone : 708 576 8222
Home Phone: 708 885 4189
FAX: 708 576 8221

**This notice was inadvertently omitted from the May Scanfax.
We apologize for the short notice.**

We are inviting IEEE Life Members to a technical presentation and luncheon, followed by a guided tour of the Motorola Museum of Electronics, Tuesday June 2 1992. Attendance will be restricted to Life Members, and perhaps five guests.

TECHNICAL MEETINGS

- The technical meetings will begin at 10 AM and run to 11:15.
- Two tracks are planned, 3 papers each, 20 minutes each.
- Life members & members of the above societies have priority to submit or sponsor.
- People who are not members of those societies will receive alternate consideration.

The three papers selected for each track will be:

1. Something that was done more than 30 years ago;
2. Something that was done between 10 and 30 years ago;
3. Something new, that you would like our grandchildren to remember you for.

Taking note of the audience, your paper should attend to:

What you did. How you did it. Why you did it. Who financed it.
What you and others learned from what or how you did it.
So what - where is the meat of the topic today?

Please submit an abstract or plan, limited to 50 words, mailed or faxed to the above address by MAY 27. Notification will be MAY 29. Selected authors are invited to the lunch and the tour. All submitted papers will be distributed to the attendees. You are free to publish them with our thanks, hopefully in an IEEE publication.



IEEE JOB FAIR

Monday, June 22, 1992 and Tuesday, June 23, 1992

3:00 p.m. to 8:00 p.m. each day

- For list of participating companies, see the employment section of THE CHICAGO TRIBUNE on Sunday, June 21, 1992

Radisson Suite Hotel - O'Hare
5500 North River Road
Rosemont, IL

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AL HORST responded to our invitation to tell us a story:

Upon seeing my name in the congratulatory listing of those members advancing to SENIOR status in the May issue of SCANFAX, I was foolish enough to ask Jack about the significance of the double asterisk following my name. His explanation was something to the effect that I was doubly qualified for the senior listing--first because I met the IEEE requirements, and second, because of my four score plus age. Well, I finally figured out that he had set me up to see if I could come up with a paragraph or two describing my career in electronics during the intervening years starting in 1934.

I graduated from college with a degree in Physics in 1932 and fully expected to become a high school teacher. THE depression rescued me from that and having a ham radio license since 1927 and an abiding interest in electronics, I suppose it was natural that I would look to that field as a means of life sustenance. Operadio Mfg. Co. (now DUKANE CORPORATION) provided such a temporary opportunity and I retired from there 44 years later--guess I didn't like daily commuting to the big city.

Work became more interesting with the advent of WWII and I was assigned to work on underwater acoustic devices which the company was producing for the U.S. Navy. Eventually, this led to a series of development contracts for NASA to produce high impact pingers which were used to recover rockets after water entry upon their return. These were also used by the Navy in the recovery of air-dropped practice mines. FAA became aware of this and in the late 1960's I found myself heading up the development work of a similar device to be mounted on the aircraft flight data recorder. Crash survival, operation to 20,000 feet water depth, 30 days operation and battery renewal at two year intervals all provided interesting challenges in a package approximately 1.3 " x 4".

FAA later issued a requirement for this device to be carried on the cockpit voice recorder and many thousands of 37kHz beacons later this little device led to the recovery of numerous submerged aircraft, both fixed and rotary wing, after their water crashes around the globe.

I still have an active interest in the development of more sophisticated underwater acoustic devices and continue my association the SEACOM DIVISION of DUKANE as a consultant.

Oh yes, my wife, Miriam and I are looking forward to our 50th anniversary this summer and we have one son who is a branch chief at BRL, Aberdeen MD.

Now that I have disclosed the innermost secrets of my past 50 years-- it's election year, remember-- how about some of you more prestigious SENIORS come forth with a little history of your career and private life.

AL HORST LS IEEE W9HC

EDITOR'S NOTE: SEND YOUR COMMENTS OR HISTORIES TO JIM CARROLL, SCANFAX EDITOR, SEE PAGE 2.

FUTURE 1992 IEEE VIDEOCONFERENCE SCHEDULE

DATE	TOPIC	KEY PRESENTER	AFFILIATION
Sept 30, 1992	EMERGING TECHNOLOGIES – WILL YOUR COMPANY BE READY?	Leo Young Staff Specialist	Advanced Concepts U.S. Department of Defense
Oct 29, 1992	HOW WILL WE BROADCAST HDTV?	Jules A. Bellisio Exec. Director	Video Syst. & Signal Proc. Dept Bellcore
Dec 3, 1992	GETTING RID OF INTERFERENCE	Hugh W. Denny Director	Electromagn Envir. Effects Lab Georgia Inst. of Technology

JOINT MEETING OF THE IEEE LEOS AND COMMUNICATIONS SOCIETY

Topic: Ultra Long Distance Transmission Using Erbium-Fiber Amplifiers and Solitons

Date: Thursday June 25, 1992

Speaker: L.F. Mollenauer
AT&T Bell Laboratories

ABSTRACT: Ultra long distance fiber optic transmission systems using inexpensive, broad-band, erbium-fiber optical amplifiers to replace expensive, rate-limiting, electronic regenerators are now under development. The highest bit rates are obtained in such an all-optical system by using the special, non-dispersive pulses known as solitons. Indeed, we have demonstrated error free (measured BER $\leq 10^{-10}$) soliton transmission over paths greater than 15,000km at 5Gbps, and the same over more than 12,000 km at 10Gbps. The latter result, based on a two channel (2x5Gbps) wavelength division multiplexing (WDM), is possible because solitons of different optical frequencies (unlike other pulses) are transparent to each other. As promising as it is, however, this result represents only the beginning: single-channel bit rates (for trans-oceanic paths) are soon expected to reach, or even exceed, 10Gbps, while remaining fully compatible with extensive WDM.

Social:	6:00 p.m.	Cash Bar
Dinner:	7:00 p.m.	\$14 per person, \$7 for students
Technical Presentation:	8:00 p.m.	No Charge

Entree choices are Breast of Capon or Orange Roughy. Advanced dinner reservations should be made by calling the IEEE Chicago Message Center at (708) 963-3828 by 5:00 p.m. on Tuesday June 23, 1992. For additional information, contact Bob Novotny at (708) 713-5419.

C.A.R.T.S. COMES TO CHICAGO JUNE 24 - 25 1992

For those of you who have followed the passive electronic component conferences, concerned that they are not held in the Midwest, hoping for a technical version of Midcon, strapped by cutbacks in travel allowances, turned away by high priced tutorials, and hoping to hear a few things you can use immediately, here is an opportunity for 60 or 70 of you.

Brochures are being mailed to members we suspect are interested. If you don't get one by the time you get this Scanfax, call 708 576 8222.

C.A.R.T.S is the Capacitor and Resistor Technology Seminars, which for the last few years has included Magnetics - coils and transformers. It comes here in association with the CHMT Society, and of course, the Chicago chapter. If you other Societies want to associate, please call. We have selected 15 papers from the carts 92 March meeting in Tuscon and are twisting some arms and patting some backs to get them here.

The conference will be at the Motorola Galvin Center, Schaumburg. The cost will be less than \$100 a day. There is no charge for parking. If you miss having the trade exhibits, tell us and we will try that next year. Attendees who represent suppliers may distribute literature.

IEEE CHICAGO SECTION 1992 RECOGNITION DINNER

MAY 2, 1992
WOODFIELD HILTON, ARLINGTON HEIGHTS, IL

LIST OF CONTRIBUTORS

Allen-Bradley Company	Elite Engineering Company	Newark Electronics
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Cherry Electric Products	Matsushita Television Company	Dr. Frank Splitt – Northern Telecom
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Contemporary Control Systems Inc.	Methode Electronics	Tellabs, Inc.
DeVry Institute of Technology – Lombard	Motorola Inc.	United Chemi-Con, Inc

1992 IEEE CHICAGO SECTION CHAIRMAN'S AWARD FOR LONG-TIME CORPORATE SUPPORT TO THE ELECTRICAL AND ELECTRONIC PROFESSION

Andrew Corporation Commonwealth Edison Company Fluor Daniel, Inc. S & C Electric Sargent & Lundy Engineers

1992 IEEE CHICAGO SECTION CHAIRMAN'S AWARD FOR FOR OVER TWENTY YEARS OF OUTSTANDING SERVICE TO OUR SECTION

Henry Korman — Past Section Chairman and Special Events Chairman

IEEE FELLOW AWARDS FOR 1992

Dr. Der-Tsai Lee — Northwestern University Dr. Albert H. Rubinstein — Northwestern University

IEEE REGION 4 – 1991 OUTSTANDING ELECTRICAL ENGINEER AWARD

Dr. Richard B. Dyott — Andrew Corporation

1992 CHICAGO SECTION STUDENT AWARDS

	SCHOLARSHIP	SERVICE	FACULTY ADVISOR
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TECHNICAL WRITING CONTEST – SPONSORED BY THE IEEE PROFESSIONAL COMMUNICATIONS SOCIETY, ITS CHICAGO CHAPTER, AND THE STUDENT ACTIVITIES COMMITTEE OF THE CHICAGO SECTION

Angela M. Spoden	First Place	"Now You Network"
Michael McAreavy	Second Place	"Speaking Without Words"

CHICAGO NON-PUBLIC SCHOOL SCIENCE EXPOSITION SPECIAL AWARD PRESENTED BY IEEE CHICAGO SECTION

Erica Anderson "Photovoltaic Cells"