A 21st Century Technology
As we start the new year in the Chicago Section, we have a renewed opportunity to improve in all sorts of areas. New Year's resolutions are always popular jokes this time of year, but here is one resolution that I hope all of you will help the Chicago Section Board keep: We will improve the participation of the members by making the section activities more meaningful and interesting.

In December we elected a nominating committee to put together a slate of officers and board members to propose for the next section year. They will be looking for qualified people who are willing to serve on the Board for at least one year or more. Nominations can also be made by any five members in good standing of the SAE Chicago Section. Their slate will also be included on the ballot for the May vote.

Let me once again urge you to volunteer your time to serve on the Section Board. In preparing to write this message, I reread Jim Buxton's editorial from last January and find some good points to reiterate. He pointed out that serving on the SAE section governing board could help develop some of your personal traits like “individual pleasantness, ‘good person’ stuff and respect for other people”. He called this a possible win, win situation you develop personally, have an opportunity to network with people in your own and complementing industries, and improve standards and education in the mobility engineering profession.

Jim King
Chairman, Chicago Section
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PARENTS-BRING YOUR YOUNGSTERS TO SEE ELECTRONIC HISTORY AT THE MOTOROLA ELECTRONIC MUSEUM ON TUESDAY, JANUARY 19, 1992. THE TOUR STARTS AT 2:30 P.M. SHARP. THE DIRECTIONS TO THE MOTOROLA MUSEUM ARE NEXT TO THE CENTERFOLD IN THIS ISSUE.
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Each year SAE Headquarters in Warrendale announces the Child Safety Seat Billboard Campaign. This year the National Child Passenger Safety Week will be held February 14-20, 1993. The purpose of the Child Safety Seat Billboard Campaign is to increase awareness of the law which requires that infants and small children be placed in safety seats while riding in vehicles. Every section/group was asked to purchase at least one billboard to be displayed during the month of February.

For the past several years, the Chicago Section chose not to purchase a billboard but, instead, chose to contact the Tollway Authority and asked if they would post “Buckle Up Baby” posters at each of the toll booths. They thought it was a good idea and have kept them displayed for many months. The number of persons viewing the posters on the toll roads far exceeds the number of persons looking at one billboard.

Many thank to Tom Owens (Past Chairman) who has made the arrangements for the posters

Would you or your colleagues like to write in the Chicago Section News about some new product you or people in your company have developed? Or would you prefer to write about people in your organization? Would you like to criticize the monthly dinner meeting programs? Send all letters to:

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The founders of Prototype Express, Tom Mueller and Dave Flynn, set up and managed the stereolithography operation at Baxter Healthcare, the first installation of rapid prototyping equipment, nearly five years ago. Dave has been active in the Stereolithography Users Group, most recently serving as Chairman. Tom has presented papers at more than a dozen technical conferences and authored several magazine articles on the use of rapid prototyping.

Prototype Express has pioneered the development of processes which use rapid prototyping in combination with conventional techniques to quickly and inexpensively create functional prototypes of injection molded, die cast, sand cast, and investment cast components. The company serves customers from a wide variety of industries including automotive, heavy equipment, electronic, computer, and medical.
Fuzzy technology is a relatively new form of artificial intelligence that applications, in various industries. During this presentation we will:

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* Learn about actual examples of where Fuzzy has been applied
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Robert Sciog graduated from Piedmont Technical College in 1983. Bob works in robotics and factory automation industries designing robots, writing applications work.

Bob is currently an Application Engineer for OMRON Electronics, Inc., in the United States.

ROBERT C. LENELL, JR., is Chief Engineer, Engine Electronics, for the Corporation. His responsibilities include the management of current programs, as well as management of advanced electronic/electrical systems.

Bob holds a BS in Electrical Engineering from Northwestern University, Evan Engineering from the University of Michigan Rackham School of Graduate worked in the automotive electronics field since 1974.
Robert C. Lenell, Jr.

CHAIRMAN

1-13

MOTOROLA TOUR
ELECTRONICS MUSEUM
JANUARY 19, 1993
(See Next Page for Map)

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"ATTITUDE ADJUSTMENT HOUR"

6:00 P.M. Dinner
7:00 P.M. MEETING

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During the SAE President's visit to the Chicago Section, the itinerary included a luncheon at the University of Illinois in Chicago where he met engineering management of local companies. In his talk to the group, President Aubin described the many benefits of SAE membership both for engineers and for industry.

Following his presentation, Ms. Margaret Bain, Chicago Section Membership Chairperson, discussed the benefits of belonging to the Chicago Section.

Her presentation, in part, follows:

The Chicago Section is managed by dedicated volunteers committed to making our Section one of the very best.

Our mission statement reads: "The purpose of the Chicago Section is to meet the professional needs of its members and to support the community through technical training, education, and other section activities."

Following are some of the things the Chicago Section helps to provide:

The opportunity to socialize or network, opportunities for professional growth, leadership development, and technical recognition, the opportunity to keep in touch with state-of-the-art, and the opportunity to expand membership.

One of the activities we work hard on is to provide top quality technical programs for our members--between 9 and 11 a year--on a wide variety of subjects. For example, last year we had sessions on:

GM's Ultralight Vehicle; GM's Electric Vehicle-the Impact; Ford's 4.6L Modular Engine; Roller Coaster Engineering; the World's Largest Dozer; Heat Management of the Freedom Space Station; Alternate Fuels Development; Big Foot (the vehicle with the 8-foot tires) which was part of Family Night; the Corvette.

This year we have sessions on Patents--What Every Engineer Should Know; Supercharging
for Fuel Economy and Emissions; Fuzzy Logic; Natural Gas as a Vehicular Fuel; Application of Plastics to Engines; Cotton Harvesting; and the Navistar 7.3T/HEUI Diesel Engine.

Once a year we have a joint meeting with IEEE. This year's session will be on Hybrid Electric Vehicle Technology.

Another activity we have going is the World of Motion where we work with 4th to 6th graders. Volunteer engineers go to schools to demonstrate what engineers do and that math and science can be fun.

We work with college students' chapters to encourage students to join SAE, to attend technical sessions, and to participate in them. We have Student Chapters in Prairie State College, Purdue University-Calumet, University of Illinois-Chicago, Northwestern University, Moraine Valley Community College, Triton College, and College of DuPage.

These are examples of some of the activities in our Section.

Our Section is managed by a team of experienced and newly recruited members. We know that the continued strength and quality of our programs depends on continually recruiting new members. This is where you can be a tremendous help. The Chicago Section needs your help in two ways.

First, encourage the engineers in your company to become SAE members. Ask them if they are a member. If not, ask them if they would fill out an application and hand them one. This is exactly how I became a member—through my boss.

SAE International gives sponsors a coupon for $5 for each new member you recruit. They also keep a running list crediting you with all new members you bring on board.

Chicago Section gives new members a free dinner at one of the monthly technical sessions.

The second way you can support our Section is to encourage your engineers to become an active member. (An active member is one who contributes time and energy to the Section.) Getting new members involved brings vitality and fresh ideas into our programs. Who knows, they may become a future Section Officer! And Active Members are more inclined to continue their membership.

I became involved when I was asked to assist the Secretary by taking some of the board meeting minutes. That was a good way to break in. For the next two years I served as Program Activities Vice Chairman—first for Transportation Equipment and then for Powerplants. In this position, you are responsible for a technical session. I had the freedom to choose a topic, find a speaker, make the arrangements for the technical session, recruit sponsors, even to choose the dinner menu. At the same time, I was given the support I needed for the publicity and for setting things up.

Being responsible for a technical session is an exceptionally rewarding experience. It develops leadership skills and involves a lot of networking and making personal contacts. There are many more rewards to being an active member rather than just a member.

SAE needs more active members to serve, for example, on the Membership Committee. Carson Eddy could use people to help with Student Activities, Gene Wallace needs many volunteers for the World of Motion. We would have no trouble finding ways to use the services of members.

In closing, we appreciate your past support and for being here this afternoon. We ask that you continue your support by encouraging engineers in your company to become active SAE members. Help us to keep our Section, the Chicago Section, one of the very best in SAE.
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During the November Chicago Section dinner meeting, President Aubin presented Rey Barkstrom with a plaque from Warrendale and another from the Chicago Section for the many years he has served the Section.

The three gentlemen snacking at the November meeting are (from the left) Ken Wolfgram, Regional Coordinator; Bill Warren, responsible for Section programs; and Steve Underwood, speaker for the evening.
SAE President Aubin was presented with a Bulls sweatshirt by Chicago Section Chairman, Jim King, in appreciation for his contribution to the day's activities.

The well attended November meeting found the speaker's presentation very informative.
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