



# ASCE

## ILLINOIS SECTION

# NEWSLETTER

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### ILLINOIS SECTION NEWSLETTER

Mailed to all ASCE-IS dues-paying members

American Society of Civil Engineers  
Illinois Section — Zone III — District 8

#### Editor—Dave Kendall

Rust Environment and Infrastructure  
3121 Butterfield Rd., Oak Brook, IL 60521  
(630) 574-2568 FAX: (630) 574-2007  
email: dave\_kendall@ccmail.rustei.com

#### Assistant Editor—Bob Israel

Louis Jones Enterprises, Inc.  
1 IBM Plaza, Suite 3501, Chicago, IL 60611  
(312) 923-0022 FAX: (312) 923-0138

#### News Coordinator—Bob Camillone

Material & Guideway Systems Company  
14409 Maycliff Dr., Orland Park, IL 60462  
Phone: (708) 349-2790

Pres. Allen Staron . . . . . (312) 902-7100  
Pres.-Elect Chris Burke . . . . . (847) 823-0500  
Sec. Richard Walther . . . . . (847) 272-7400  
Treas. John O'Holleran . . . . . (312) 930-9119

Send change of address notices to the Secretary,  
Illinois Section ASCE, 203 N. Wabash, Room  
1000, Chicago, IL 60601; or call (312) 263-1606,  
FAX: (312) 372-5673, or email at:  
isasce@popmail.mcs.net.

Web Site: <http://www.mcs.net/~isasce/>

**Submission deadline  
for the Dec. Newsletter  
is Nov. 11, 1996**

## Illinois Section's 80th Annual Meeting

The 80th Annual Meeting of the Illinois Section of ASCE was held Oct. 16, 1996 at the Congress Hotel in Chicago. In excess of 500 people attended the annual event, representing the public and private sectors and all the various civil engineering disciplines. The meeting was highlighted by the presentation of Life Membership to 28 prominent civil engineers within the Illinois Section and the presentation of the Section awards, which included the Public Involvement Award, Private Sector Employee Recognition Award, Public Sector Employer Recognition Award, Citizen Engineer of the Year, Young Government Civil Engineer of the Year, Young Civil Engineer of the Year, Government Civil Engineer of the Year, and Civil Engineer of the Year. The award ceremony culminated with the presentation of the Outstanding Civil Engineering Project of the Year Award, which until that dramatic moment, had not been announced to the civil engineering community.

The Section also honored individual volunteer efforts for participation in Section-level committees, technical groups, and the Section Board of Directors.

Those receiving Life Membership were honored for their long-term support of the Society. Fellows, Members or Affiliates who have reached the age of 65 years, and who have paid dues in any membership grade for a number of years, such that, when added to their age, the sum equals or exceeds 95, are qualified for Life Member status. The Illinois Section is especially proud of the Life Members honored at this year's annual dinner as each has made a mark within the civil



**Harry Lochner addresses the Annual Meeting after receiving the Civil Engineer of the Year Award.**

engineering community, are well known and are very deserving of the honor. The accomplishments of our Section's Life Members are diverse and speak of the quality and creativity of the civil engineering work that is being done within our Section. Those selected to receive Life Membership included: Carmen C. Adducci, Richard L. Anderson, Robert F. Callbeck, Eugene Chez, Robert Cooper, John S. Endicott, Leo Franz, Wayne R. Harker, John Holm, Robert W. Johnson, Jack D. Kennedy, Robert Krause, Raymond Krizek, Ya-Tai Lin, R. W. Lindley, Frank C. Little, Sadek W. Mansour, Edward Mattheussen, Robert G. Pakard, Richard Schmickie, John A. Scoville (posthumous), John Seidensticker, Ben Sosewitz, Otto Teske, John Variakojis, Thomas Vitulli, Roger Wilson, and Norbert Zepf.

Special recognition was given  
(Continued on Page 4)

# Highways: Design Opportunities Beyond Transportation

The builders of turn-of-the-century Chicago recognized the importance of "beauty" as an essential component of public building. Because of their foresight, Chicago is considered to be one of the most beautiful cities in the world today; indeed, some consider it to be the largest "livable city" in America. Daniel Burnham and Edward Bennett's "Plan of Chicago" became a reference point for the development of the city over time. Equally important to the "masterplan" was the notion that each individual public works project should be viewed as a part of the whole that helped define the image of the city. This thoughtfulness in the design of each project gives the city its overall cohesiveness and consistently high level of quality in its public works.

Until very recently, this legacy had been lost. The post-World War II era of public works was dominated by an overriding focus of speed, efficiency, and economy. This led to standardized designs that were highly functional, but often ignorant of the urban context. Large sections of American cities were laid waste by construction projects that were conceived only with regard for efficiency. Similarly, the character of many viable neighborhoods were destroyed by public works interventions that needlessly ignored the scale, character and quality of these areas.

But things are beginning to change. People now recognize that function, economy, efficiency and beauty are not necessarily mutually exclusive propositions. Businesses and residents have come to expect more than functional efficiency from public works projects. Improving the appearance of facilities not only integrates them with neighborhoods and business districts, but it also enhances their value. Recent projects in Chicago such as the Congress Parkway Reconstruction, Roosevelt Road Bridge, State Street Restoration, and the relocation of Lake Shore Drive at Soldier Field stand out as significant examples in which attention to principles of design and sensitivity to the urban context are of equal importance as function, economy, and efficiency.

This same notion of responsiveness to context is now guiding the

development of some suburban public projects. One such example is the Illinois Department of Transportation Stevenson Expressway Corridor project. IDOT is developing and designing architectural elements such as retaining walls, noise walls and other elements to convey the

historic nature of the adjacent I&M Canal. Through these efforts, the expressway can contribute to the architectural context of the community as well as being functional for the regional transportation system.

Wayne Swafford  
Transportation Group

## Share Your Experiences With Students

**vol-un-teer** (volen-tir') *n.* **Abbr.** **vol.**

1. A person who performs or gives his/her services of their own free will.

The mere thought will cause many to move on to the next article. For the brave of heart who continue on, kudos to you!

I have been chairing the student outreach program for close to a year now. I've had some spurts of progress, and some lags of activity, so this article is to motivate myself as well as the masses.

The Board of Directors of the Illinois Section is aware that many engineers are doing things that directly or indirectly expose school students (and teachers) to the civil engineering profession. We want to hear from you, and we want to do more. Our charge is to develop a list of persons willing to volunteer a few hours a year to talk to students in their schools. We now get a handful of requests to provide speakers for school events, but if we had the resources of persons willing to speak, we could solicit interest from schools rather than wait for them to contact us. The Illinois Section will

help to obtain materials for you to make that easier. Already in our Chicago office, we have a variety of short running videos available for loan that profile different aspects of civil engineering. Pamphlets, coloring books and other written materials are available to us with some advance notice. We want to help you make a presentation with impact.

Tell us about what you or a colleague is doing or has done. We'd like to profile an engineer each month with their contribution. Our intent is to make others aware of ways of helping. Maybe what you're doing wouldn't seem like an imposition to someone else. Maybe they'll say, "I can do that," and they will!

If you are interested in getting involved with students in the junior high ages, please send your name to the Student Outreach Committee, c/o ASCE, 203 N. Wabash, Suite 1000, Chicago, IL 60601. We all complain that engineers are the "stealth" profession, that we get no respect or recognition. Help us to change our image; it's for the benefit of society.

Paula C. Pienton

## Inspections Manager

CHAC, the Chicago Section 8 Housing Program, is seeking a qualified Inspections Manager. The ideal candidate will have a Bachelor's degree from an accredited four-year college or university. Quadel Certification as a Housing Quality Standard (HQS) Inspector or must be certified within six months after assuming the position. Demonstrate ability to manage large staff in the area of inspections and multiple projects. Extensive experience conducting housing inspections using the Department of Housing and Urban Development HQS as the standard. Construction, property management or related experience may be substituted. Experience in the use of computer technology for inspections records. Excellent oral and written communication skills. Ability to problem solve, good public relations skills. Must possess a valid Illinois Drivers License, automobile liability insurance, and a car for field work. Salary in mid-50's. Please mail or fax resume and cover letter to:

CHAC, Inc.

1000 S. Wabash, 2nd Floor, Chicago, Illinois 60605  
Attn: Carlyle F. H. Hooff, Director, Human Resources  
FAX (312) 294-0153

CHAC is an equal opportunity employer M/F/H.

# PRESIDENT'S NOTES

For all of the regular readers of the President's Notes, you have probably already noticed that a different picture is accompanying this article. Someone with a more mature look (less hair) is now writing this column. Since I will have the envious task of writing the President's Notes monthly and since, hopefully, there will be someone out there reading it (other than my wife and mom), I would like to take a few moments to introduce myself and give you an idea of what I hope the Illinois Section can accomplish over the next year.

By way of introduction, my name is Allen Staron, and I officially became President of the Illinois Section at the Annual Dinner Meeting on Oct. 16. I grew up in the suburbs of Chicago and received a B.S. degree in civil engineering from the University of Illinois at Urbana-Champaign. Since graduation I have worked for consulting engineering firms in Chicago focusing primarily on transportation engineering projects. I have been married to my wife, Paula, for more than 22 years and have been blessed with three children. Mark is a sophomore at U of I, Laura is a junior in high school, and Christopher is an eighth-grader; none have shown any desire to follow their father as a civil engineer.

Like many of you, my involvement in ASCE came because of encouragement and a gentle push from a supervisor. In 1988, Dave Novick offered my services to then Illinois



Section President Bill Cadigan to help in the formation of a Transportation Group within the Illinois Section. I and three other "volunteers" met for a couple of months to develop a direction for the Group. With a little financial backing from the Section, many hours by volunteers, and some excellent lunch and dinner speakers, the Transportation Group was born and survived. After serving as Chair

of the Transportation Group, I have held a variety of posts within the Illinois Section.

The point of the above personal history is to acknowledge the help of other people in my professional development activities. Without the support of my family and employers, it would have been difficult to be an active member of the Illinois Section.

My personal goals for the next year are to serve the Illinois Section well and continue the fine work of Past President John Carrato. It is an honor to be the Illinois Section President and follow in the footsteps of many distinguished professionals. More important than my personal goals are the Illinois Section's efforts to provide opportunities for our membership. The strength of the Illinois Section has been and will continue to be the work of our technical groups. It is important for the Section to maintain its technical focus and to provide timely information to members through the technical groups. Likewise, the Section needs to provide a forum for the discussion of professional issues and to become a leader in enhancing our profession. I challenge all ASCE members to work with me to reach these objectives in the coming year.

*Allen Staron*

## ***Strong Turnout for 2nd Annual Golf Outing***

For the second consecutive year, nearly 100 Illinois Section members and their guests participated in the Section's annual golf outing on August 21 at the Gleneagles Country Club in Lemont. The "best ball" format resulted in strong scores by many of the groups, with Louis and Walter Kap taking honors with a round of 61.

Proceeds from the golf outing provide support for the activities of the Section's Minority Affairs Committee. This summer the Minority Affairs Committee provided scholarships to five Chicago area high school students for a three-week engineering institute at the University of Notre Dame. The program is structured to provide high school students with a hands-on introduction to engineering through lectures, lab exercises and field trips. In

addition, the institute offers many of the students with their first experience of student life on a college campus.

The committee would like to thank all of those who supported and took part in this year's event. Corporate sponsors for the second annual golf outing included HNTB Corporation, UBM Engineering, O'Brien and Associates, Cowhey Gudmundson Leder, Consoer Townsend Envirodyne, the S/E Group, Christopher B. Burke Engineering, Civiltech Engineering, Rust Environment and Infrastructure, Alfred Benesch and Company, Wight and Company, Harry O. Hetter Associates, and Harza Environmental Services.

We hope that you will all plan to attend the Third Annual Golf Outing in August of 1997.

### **Project Engineer**

Immediate project design position available. Candidates shall have bachelor's degree in Civil Engineering, 3-5 years experience in design of municipal, commercial and industrial projects, and exposure to construction engineering. Additional skills considered a plus include knowledge of FEMA & DNR floodplain regulations, local storm water management procedures, and operation of CADD, spreadsheet and word processing software. Send resumes to:

Edwin Hancock Engineering  
9933 Roosevelt Road  
Westchester, IL 60154.

# Illinois Section's 80th Annual Dinner Meeting

(Continued from Page 1)

to those who have contributed their personal and professional time to the various activities of the Illinois Section through work on committees, technical groups and the Board of Directors. Certificates of Appreciation recognized: M. Basar Civelek, Newsletter Editor; Donald Pries, Annual Dinner Chair; Erik Gil, Awards Chair; Jim Knudsen, Awards Co-Chair; Chris Rops, Golf Outing Chair; Joe Johnson, Golf Outing Co-Chair; John O'Holleran, Financial Chair; Chris Rops, E-Week; William Macaitis, Illinois Engineering Council Delegate; Nick Textor, Membership Chair; Joe Johnson, Minority Affairs Chair; William Babcock, Nominations Chair and Past Presidents Council; Allen Staron, Planning Chair; Mike Trojian, Public Action Chair; Vince Wroblewski, Student Chapters Chair; and Paula Pionton, Student Outreach Chair.

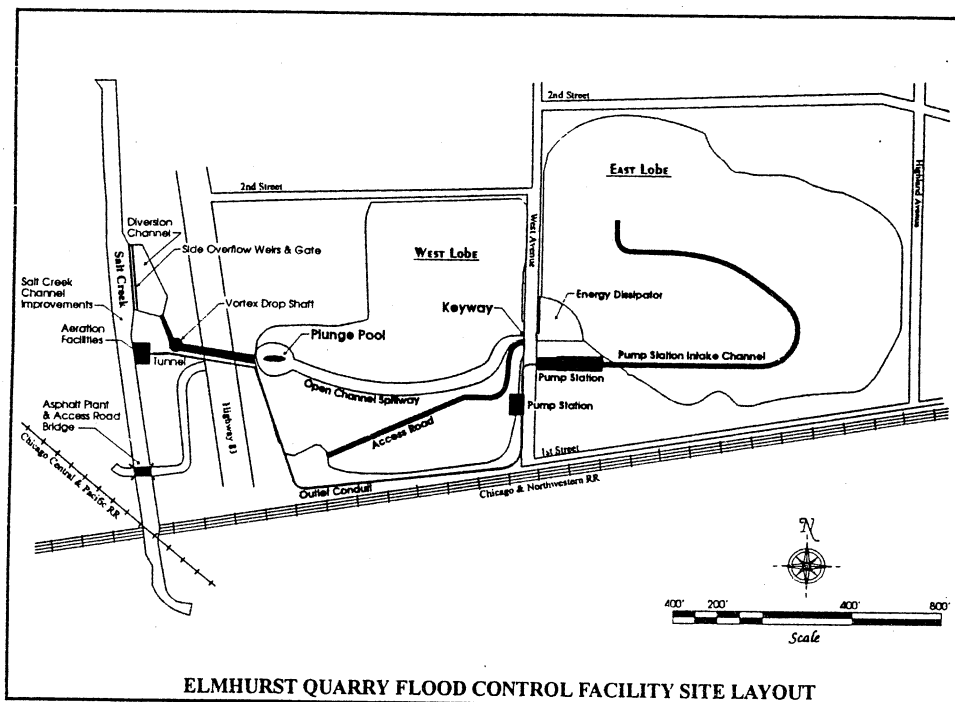
Certificates of Appreciation were also granted to outgoing Group Chairs and IS-ASCE Board Members, including: Jeffrey Smetters, Structural Group; Monica Krepfl, Geotechnical Group; John Zimmerman, Urban Planning & Development Group; David Kendall, Environmental Engineering & Water Resources Group; Angela Wilkins, Transportation Group; Frederick Parkinson, Management Group; Barry Erlandson, Associate Member Forum; Michael Sutton, Director; Jamil Bou-Saab, Director; Chris Rops, Director; Jill Organ, Director; Suheil S. Nammari, Director; Jeffrey Budiman, Director; Christopher Burke, Treasurer; Richard Walther, Secretary; William Babcock, Past President; Allen Staron, President-Elect; and John Carrato, President.

The evening concluded with the induction of the new 1997 Group Officers, Directors, and Board Officers. Many thanks go to Don and Barb Pries for their time and effort in organizing this enjoyable and memorable event.

## Section Awards included:

### Outstanding Civil Engineering Achievement of the Year: Elmhurst Quarry Flood Control Facility

The Elmhurst Quarry Flood Control Facility (roughly \$18 million construction cost) diverts flood waters from Salt Creek into an open-



pit, 200-foot deep, 8,300 acre-feet abandoned dolomite rock quarry and then, after creek levels subside, pumps the diverted flood waters back to Salt Creek. Various previous studies for flood control reservoir at the Elmhurst Quarry had been done prior to the August 1987 flood event, which hit the Salt Creek watershed and other areas in Chicagoland causing over \$200 million in damages. After careful planning and analysis on a watershed-wide basis, the Stormwater Management Division of DuPage County recommended a watershed flood control plan at a minimum cost to the residents of DuPage County, including construction of the Elmhurst Quarry Flood Control Facility.

A side-overflow weir (actually a fixed, broad-crested weir; an adjustable crest stop log weir; and one 7" x 7" sluice gate) diverts flood waters off of Salt Creek. The diverted flood waters are directed into a vortex drop shaft and then into a tunnel cut through rock under a busy six-lane highway (IL Route 83) separating the creek from the quarry. The waters exit the tunnel into a riprap-lined plunge pool and down an open channel in the west lobe of the old quarry, all of which is set over a capped construction debris landfill. The water is directed through a tall tunnel (called the "keyway") that is cut into the rock highwall separating the east and west lobes

of the quarry, and down onto the floor of the east lobe, filling the quarry. After the flood waters recede in Salt Creek, two pumping stations, utilizing submersible pumps, slowly pump the water through a buried pipeline back into Salt Creek. Prior to their discharge into Salt Creek, the flood waters spill down a stepped, non-mechanical cascade aeration structure where oxygen is put back into the water. Water level, water quality, and other sensors monitor the creek and quarry at different locations and radio their data to a central SCADA computer system located at the quarry site, as well as the county office building, to allow county engineers to monitor and control the system.

This project claims the following list of accomplishments:

- It is an example to the public of the benefits that a multi-disciplined engineering team (county staff, Black & Veatch, RUST, and Woodward-Clyde) working together can provide. Input from the following engineering disciplines were used in the project: general civil, geotechnical, structural, electrical, rock mechanical/structural, environmental/landfill, traffic/transportation, and instrumentation.

- It is one of the largest, non-federally funded, off-line flood control reservoirs in the U.S.

- Good planning, engineering and

*(Continued on Page 5)*

(Continued from Page 4)  
 construction (contractors: McNally Tunneling, Mellon Stuart, and T&W Edmier) resulted in a relatively low cost for this facility of about \$7,500 per acre-foot of storage (10 other recent Chicagoland flood control reservoirs averaged about \$20,000 per acre-foot of storage).

- It provides the following benefits to the communities of Addison, Villa Park, Elmhurst and Oak Brook in DuPage County along the Lower Salt Creek Watershed, as well as portions of western Cook County: reduced business property damage, reduced residential property damage, less loss and delay in emergency services, fewer and shorter road closings, reduced sewer backups, reduction of flood insurance premiums, reduced interruption of municipal services, and reduced cost of local flood control projects to area residents.

- It has successfully operated by diverting flood flows away from people and their property during a May 29, 1996 storm event.

- It has been praised by both the engineering side and the political side as providing for the well-being of area residents.

- Besides flood control, it will also be possible to use the reservoir as a treatment facility for improving Salt Creek water quality and as a pumped storage hydroelectric facility.

**Outstanding Civil Engineering Achievement of the Year, Honorable Mention: Weekend Replacement of Mass Transit Bridges**

Commuter service to thousands of people on the Evanston Line of the Chicago Transit Authority's mass transit system must remain in operation at all times on normal business days. This makes major rehabilitation work on any of the line's 95-year-old viaducts very difficult, if not impossible.

The original scheme for the viaduct replacement called for an extensive temporary two-track structure to be built along side the existing four-span viaduct and carry the electrified transit system while the viaduct was to be rebuilt. After further investigation, a method was developed to construct a new 94-foot single span, two-track, steel through girder structure on false work parallel to the existing viaduct and adjacent to

another railroad bridge. A new sub-structure was designed to be constructed and set behind the existing unreinforced concrete abutments. The new structure would then be rolled into place on a single weekend. This was shown to increase vertical clearance, be more cost effective and less disruptive to commuter traffic. The success of this design led the CTA to reevaluate their decision to rehabilitate another severely deteriorated viaduct and also replace this viaduct with the weekend roll-in procedure. The second viaduct was not originally considered for replacement due to the tight area constraints and the presence of a station platform at the end of the viaduct.

The construction schedule and procedure for the weekend roll-in were closely scrutinized by the CTA and Meridian. Then at the start of the 55-hour window for construction, the concrete viaduct was demolished completely. New 42-ton precast concrete abutment seats were set onto preconstructed caissons. Each of the new abutments was set onto two four-foot-diameter, 90-foot-deep belled caissons that were placed outside the limits of the track so as to not interfere with commuter service. Precast abutment backwalls that were match-cast to their respective abutment seats were then set into place. Once the abutments were set, the new 180-ton superstructure was rolled into place and set onto new electrically isolated bearings. The roll-in procedure took about 20 minutes. Construction of these two structures began in the spring of 1994 and was completed in early 1995. Both bridges were successfully rolled into place without any disruption to commuter service and at greater savings over traditional replacement methods.

**Outstanding Civil Engineering Achievement of the Year, Honorable Mention: Advanced Photon Source Argonne National Laboratory**

The Advanced Photon Source (APS) project consisted of three components: the Campus Development, the Control Laboratory/Office Building and Conference Center, and the User Residential Facility.

Knight provided master planning, architectural and engineering design, and construction administration services for all facilities of the APS campus — a complex where 2,000 scientists each year can conduct frontier science utilizing America's most powerful light source. The 80-acre site includes 720,000 square feet of facility devoted to applied and basic research. To a large degree, the form of the buildings as well as their disposition in the campus development plan was driven by the unique characteristics of synchrotron radiation research and a commitment to minimizing disruption of the important natural features of the site. Wooded areas, wetlands and even Indian burial grounds were preserved to allow technology and nature to complement each other.

The administrative center of the APS is a 197,000-square-foot facility that houses three primary, interconnected functions: technical and administrative offices for APS management and permanent staff, laboratories and a conference center. The 40 laboratory modules are organized to provide super blocks of wet chemistry and electronics laboratory space for flexibility. This \$25 million facility was funded by the U.S. Department of Energy, executed as a design/build project, and occupied in March of 1996. Also planned is a 150,000-square-foot residential hall.



The new Section Board of Directors is introduced at the Annual Meeting.

**Civil Engineer of the Year  
Harry W. Lochner**

An engineering pioneer whose experience and achievements span most of this century, Mr. Lochner is the Chairman of H.W. Lochner, Inc., Consulting Engineers and Planners. The firm's headquarters are in Chicago, with offices in 12 other U.S. cities. A graduate of the University of Illinois, Mr. Lochner started his career as Transportation planner for Cook County, Illinois. His first major assignment was to plan Chicago's first expressway, the Edens. There were no similar examples of putting new expressways through built-up urban environments. He earned national recognition as the pioneer/innovator of the "spiral" ramp in 1942. Prior to the Edens, high-speed rural highways had circular exit ramps; the larger their radius, the faster the ramp speed. Yet large/fast ramps required more real estate. Smaller ramps, such as Connecticut's Merritt Parkway, were less safe. As the average speed of automobiles increased, even wider ramps seemed desirable. Mr. Lochner suggested to the Federal Public Roads Administration's Chief of Design that a spiral be used. Start with a wide radius (high speed) and tighten as speed decreases. It worked and has often been used where restrained by environmental concerns.

Mr. Lochner's "Louisville Plan," developed in 1943, was the first comprehensive planning study in the U.S. that incorporated limited-access expressways into the urban environment.

During 1945 and 1946, Mr. Lochner developed the "Lochner Plan" for Atlanta, which was the country's first major-city comprehensive transportation plan with limited-access highway and transit. From 1944 to 1966, Mr. Lochner developed similar comprehensive transportation plans for over 30 cities.

**Government Civil Engineer  
of the Year  
Gregory W. Wilcox**

Gregory W. Wilcox is currently Director of the DuPage County Department of Environmental Concerns, where he has made many significant contributions in the field of environmental engineering, particularly wastewater treatment technology. These include development of design criteria for two phase

anaerobic digestion, disinfection processes, and installation of the first panel aeration system in the U.S. In the field of stormwater management, Greg was instrumental in creating countywide stormwater management legislation and implementing the first countywide program. In conjunction with this, a comprehensive Stormwater Management Plan and Countywide Ordinance were established. Under Greg's direction, the Elmhurst Quarry, Wood Dale/Itasca Reservoir, Louis' Reservoir and Addison Dam and Pump Station were constructed, providing \$130 million in flood control benefits for the 1987 historical event alone. Under his direction, the county developed a comprehensive wetland protection program, which resulted in the county being the first in the country to receive U.S. Army Corps of Engineers Section 404 permitting delegation.

**Young Civil Engineer of the Year  
Jill M. Organ**

Ms. Organ is a civil engineer with Milwaukee County in their Architecture and Engineering Division. She previously worked at the Metropolitan Water Reclamation District of Greater Chicago (1994-1996) and HNTB Corporation (1988-1994). Her experience includes site development and design, wastewater facilities and water distribution analysis and design, infiltration and inflow analysis, environmental assessments and aircraft apron design.

Ms. Organ recently relocated to Milwaukee and resigned her position as a Director on the Illinois Section Board. As a director, she was responsible for establishing policy and conducting business for the Illinois Section. She acted as a board liaison for the Minority Affairs and Newsletter Committees, served on the Nominating Committee, and initiated recent proposed amendments to the ASCE Illinois Section Constitution and Bylaws. She also served the Section as News Coordinator for the Newsletter, and Associate Member Forum Chair and Secretary, where she initiated an aggressive recruitment program and arranged technical seminars.

**Young Government Civil Engineer  
of the Year  
Elias M. Gordon**

Elias M. Gordon is a Resident Engineer for the Illinois Department of Transportation (IDOT) Division of



**New Section President Allen Staron (right) presents Past President John Carrato with a Certificate of Appreciation for his services to the Section.**

Highways, based in Schaumburg. While employed by IDOT, he has been involved in the oversight of road and bridge projects, with special emphasis on bridge and underground work. Since 1993, he has served as Resident Engineer on the reconstruction/rehabilitation of five bridges in the Palos Park area, all located within a mile of each other. The three-contract, \$6 million series of projects, which included the 1996 rehabilitation of 123rd Street in Palos Park, posed major traffic challenges, due to the need to completely close adjacent bridges, sever neighborhoods, and detour traffic with minimal disruption to motorists and residents. Construction challenges included accelerated schedules, numerous utility conflicts, and unanticipated site conditions, complicated by the need to maintain and protect the unique pastoral setting of the Palos Park area, while keeping everybody informed of ongoing construction progress.

**Citizen Engineer of the Year  
Co-Recipient Phillip J. Minga**

Phillip Minga is a Lead Civil Engineer with Parsons Brinckerhoff Quade and Douglas, Inc. in Chicago. He has been involved with many civil engineering projects in the state, including the Elgin-O'Hare Expressway, a feasibility study for HOV Lanes on the Eisenhower Expressway, and construction services on the MWRDGC's Deep Tunnel in South Holland, Illinois. Phil serves as a lieutenant and paramedic on the Flossmoore Volunteer Fire

Department, where he is on call 24 hours a day, 365 days a year, as available outside of his full-time job at Parsons Brinckerhoff, and participates in weekly training. He spend an average of 10 hours per week in his duties with the fire department, not including continuing education requirements to maintain certification as a paramedic.

**Citizen Engineer of the Year  
Co-Recipient Martin J. Joyce**

Martin J. Joyce is the Civil Section Manager for the Chicago office of HDR Engineering, Inc. A 20-year veteran and vice president of the company, he serves as project man-

ager for a variety of transportation projects ranging from preliminary engineering through final plans and construction inspection. His professional experience includes such wide-ranging projects as the Second Taxiway Bridge at O'Hare Airport, Southwest Transit Project, and the Environmental Impact Statement for the Extension of the North-South Tollway from I-55 to I-80. Since 1993, Mr. Joyce has been a member of the school board of Community Consolidated School District 64 serving Park Ridge and a portion of Niles. In 1995, he was elected board president by fellow board members.

**Public Sector Employer  
Recognition Award**

**Metropolitan Water Reclamation  
District of Greater Chicago**

The District is regarded for its outstanding engineering achievements and its leading role in urban stormwater and wastewater management. These accomplishments are a direct result of the District's encouragement of professional development and its support of employee involvement in professional society activities for its 150 engineers.

**Private Sector Employer  
Recognition Award**

**Wiss, Janney, Elstner Associates**

Wiss, Janney, Elstner Associates, Inc. (WJE) strongly encourages and supports employee participation in professional organizations. This includes the publication of papers, presentation of talks, attendance at professional/ technical seminars, and participation on technical committees. WJE believes these activities are a significant measure of the stature of a professional organization.

**Public Involvement Award  
Associate Member Forum**

The Associate Member Forum's (AMF) membership has been very active in the past few years with a variety of education programs, outreach efforts and public services to the community. During the 1995-1996 year, the AMF Group has donated their time and energy to improving the lives of others through activities such as:

- Habitat for Humanity
- Future Cities Competition
- Science Olympiad
- Christmas in April
- Big Brothers/Big Sisters Bowl for Kids Sake
- ASCE Zone III Younger Members Conference
- P.E. Exam Review Course
- Satellite Broadcast.

**Group Scholarship Awards**

**Geotechnical Group:** Jeffrey A. Adams, University of Illinois at Chicago.

**Structural Group:** Darren A. Milanowicz, University of Illinois at Chicago.

**Environmental Engineering & Water Resources Group:** Dan Carlson, Northwestern University.

**Urban Planning & Development Group:** Mike Kuczynski, University of Illinois at Chicago.

# SECTION ACTIVITIES

## Structural Group

**November Dinner Meeting**

Mr. Robert E. Woodworth Jr., Director of Architecture for the Chicago Department of Aviation, will be the featured speaker at the Structural Group's November dinner meeting. Mr. Woodworth will discuss ongoing projects, with a hint at what the future may hold. The discussion will include the new Midway Terminal Development, Rehabilitation of the Elevated Parking Structure and New Transportation Center, the Airport Transit System, and the New International Terminal. Please join us for an interesting discussion about the many exciting projects related to the Chicago airport system.

**Date:** Wednesday, Nov. 13, 1996

**Time:** 5:30 p.m. social  
6:00 p.m. dinner  
7:00 p.m. program

**Place:** Como Inn  
546 N. Milwaukee, Chicago

**Cost:** \$25

**RSVP:** Barb Pries at (312) 263-1606.

**December Dinner Meeting**

The City of Chicago has recently adopted a facade inspection ordinance for high rise buildings. Mr. Jake Ribar, Senior Principal Masonry Engineer with Construction Technology Laboratories, will discuss inspection and evaluation of masonry facades. The evening's presentation will include masonry behavior, when to inspect, what to look for, and what is important and what is not. Mr. Ribar has almost 50 years of masonry

experience, from construction through research. Please join us for what will prove to be an interesting presentation and discussion on this timely topic.

**Date:** Wednesday, Dec. 4, 1996

**Time:** 5:30 p.m. social  
6:00 p.m. dinner  
7:00 p.m. program

**Place:** Como Inn  
546 N. Milwaukee, Chicago

**Cost:** \$25

**RSVP:** Barb Pries at (312) 263-1606.

## Transportation Group

**November Dinner Meeting**

Ms. Dianne O'Keefe, Bureau Chief of Design for District One of the Illinois Department of Transportation in Schaumburg, will present an overview of the latest issues and innovations in IDOT's design process and in current District One projects. In her new position, Dianne is supervising a wide variety of design projects for IDOT, including reconstruction of the Stevenson Expressway.

**Date:** Wednesday, Nov. 13, 1996

**Time:** 5:30 p.m. cash bar  
6:30 p.m. dinner  
program to follow

**Place:** Sharko's  
1 W Roosevelt, Villa Park

**Cost:** \$25 plus cash bar

**RSVP:** Jack Tone at (312) 803-6538/FAX (312) 782-1684, or Dean Kiesling at (312) 946-7121/FAX (312) 746-7199 by Monday, Nov. 11, 1996.

# SECTION ACTIVITIES

## Younger Member Group

### November Dinner Meeting

Mr. Byron T. Danley, P.E., S.E., Senior Associate of Teng & Associates, Inc., will present the structural topic "I-355 South Extension: Des Plaines River Valley Crossing." Stemming from his experience as project manager of Teng's design of two bridge alternates to span the Des Plaines River, Mr. Danley will share the process of selecting the two final alternates and provide the features of the two designs.

**Date:** Nov. 13, 1996

**Time:** 5:30 p.m.

**Place:** Alfred Benesch & Company  
Boulevard Towers South  
205 N. Michigan, Chicago

**RSVP:** Ryan Issel at (312) 707-8770

**Cost:** \$12.00 (includes dinner)

The Younger Member Group is geared toward civil engineers aged 35 and under. Featured speakers at our meetings come from all areas of civil engineering. The group prides itself on offering diverse meetings once a month, offering social and networking opportunities and introducing younger engineers to other Illinois Section ASCE specialty divisions. We welcome everyone to our meetings and activities, regardless of age or position.

## Urban Planning & Development Group

Concerned about important issues confronting the civil engineering profession? Visit our next meeting to discuss these items with fellow civil engineers involved in government, private practice, construction, consulting and other disciplines. Please contact John Zimmermann at (847) 698-6400 for further information.

### Group Meetings

Group meetings are held every third Thursday of the month. The back room at Denny's restaurant has been reserved for the Group. Our next scheduled meeting is:

**Date:** Nov. 21, 1996

**Time:** 7:30 a.m.

**Place:** Denny's Restaurant  
Oakbrook Terrace

## Geotechnical Group

Geotechnical Group meetings are held **every second Tuesday of the month**, September through May.

**Time:** 5:30 p.m. social

6:30 p.m. dinner

7:30 p.m. presentation

**Place:** Como Inn

546 N. Milwaukee, Chicago

**Cost:** \$25 with reservations, \$30 at the door, \$10 for students with reservations, \$15 for faculty with reservations.

**RSVP:** Ms. Pat Moser at (708) 717-4263 by noon on the Thursday preceding the meeting.

### November Dinner Meeting

Mr. Jeff Schuh, P.E., with Patrick Engineering in Lisle, will discuss "Site Characterization for a Brownfields Site in Chicago — A Recent Case History." The site is a former railyard located on Goose Island in Chicago. Mr. Schuh will discuss the types of contaminants found at the site and describe the process that resulted in "no further action" status.

**Date:** Nov. 12, 1996

### December Dinner Meeting

The group is tentatively scheduled to make a return afternoon site visit to the Museum of Science and Industry to observe slurry wall and tie-back construction. Dinner meeting to follow, with a presentation by several project design team members.

**Date:** Dec. 10, 1996

## Environmental Engineering & Water Resources Group

The November meeting of the EE&WR will mark the start of a new year. New ideas and new people are welcomed to first meeting, to be held on Nov. 12, 1996.

An FEQ short course is being planned for this spring. The location, date, etc. are now being established. If you wish to have your name placed on a contact list when plans are finalized, call Dave Kendall at (630) 574-2568. A formal announcement of the course will also be included in future newsletters.

Plans for the WRPMD 25th special

conference scheduled for June 6-11, 1998 are proceeding. Call the EE&WR Group chairperson if you are interested in participating in the planning of this national conference. The November meeting will focus on planning activities for the conference.

The next EE&WR Group meeting will be:

**Date:** Nov. 12, 1996

**Time:** 5:30 p.m.

**Place:** River Center

Main floor conference room  
111 N. Canal St., Chicago

**Info:** Dave Moughton at (312) 353-6400

## Management Group

For information on the Management Group and its activities, contact Jeff O'Connor at (312) 454-1060.

### Administration Committee Meeting

This next AdComm meeting will be immediately after the November luncheon meeting. See below for details.

### Management Express Luncheon

Firms are stating the need to improve marketing tools, including how firms dialogue with clients and prospective clients on wants, information gathering and reaching resolution to win contracts.

Our presentation is **The Three Key Steps of Negotiation** by Barry Koren, AIA, from the Koren Network.

**Date:** Thursday, Nov. 21, 1996

**Time:** 11:30 a.m. social

12:00 p.m. lunch

12:30 p.m. speaker

**Place:** Chicago Bar Association

321 S. Plymouth Ct., Chicago  
(Jackson and Dearborn)

**Cost:** \$12.00 — pay in dining room

**RSVP:** Mark Schultz at (312) 782-8150.

## ***We're on the Net!***

The Illinois Section ASCE is on the Net! Please visit us at:

<http://www.mcs.net/~isasce/>

or email us at:

[isasce@popmail.mcs.net](mailto:isasce@popmail.mcs.net)

*Section Activities  
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