



ASCE

ILLINOIS SECTION

NEWSLETTER

Vol. 37 No. 8

American Society of Civil Engineers

July/Aug. 1996

IN THIS ISSUE

Orchestra Hall Renovation
Page 1-2

Minority Affairs Committee
Page 3

1996-1997 Section Officers
Page 4, 7

President's Notes
Page 5

ASCE Key Alert
Page 6

Section Activities
Page 8

ILLINOIS SECTION NEWSLETTER

Mailed to all ASCE-IS dues-paying members

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

Editor—M. Basar Civelek

Gandhi and Associates, Inc.
6035 N. Northwest Hwy., Chicago, IL 60631
(312) 774-5910 FAX: (312) 774-3815

Assistant Editor—Janice Schultz

5029 N. Major, Chicago, IL 60630
Phone and FAX: (312) 282-3304

News Coordinator—Bob Camillone

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

Pres. John Carrato (312) 565-0450
Pres.-Elect Allen Staron (312) 902-7100
Sec. Richard Walther (708) 272-7400
Treas. Christopher Burke (708) 823-0500

Send change of address notices to the Secretary,
Illinois Section ASCE, 203 N. Wabash, Room
1000, Chicago, IL 60601; or call (312) 263-1608,
FAX (312) 372-5673.

**Submission deadline
for the Sept. Newsletter
is Aug. 9, 1996**

Mini-Pile Foundations for Orchestra Hall Renovation and Expansion Project

*By William H. Walton, P.E., of GEI
Consultants, Inc., and Steven D.
Scherer, P.E., of TCDI*

Project Background

The current \$107 million expansion and renovation of Chicago's Orchestra Hall presented many design, construction and scheduling challenges. The project consists of raising the existing building three stories to improve acoustical qualities of the Hall, renovating the Chapin and Gore building at Adams and Wabash, and constructing a new eight-story support building. Most of the construction work in and around Orchestra Hall can only be performed during summer months when the orchestra is performing at Ravinia Park or is on tour. Construction of new deep foundations within the interior and outside Orchestra Hall presented two challenges during the first of three summer construction seasons.

Internal Support of Main Hall Improvements

Six new interior pile caps were required to support expanded balconies and acoustical walls, with column loads ranging from 90 to 150 kips. Original contract documents required 30 kip service load capacity, eight-inch diameter, 3/8-inch thick wall, concrete-filled pipe piles to be installed using drilled-in-place procedures. TCDI, the foundation contractor, proposed an alternate consisting of hydraulically pushed pipe piles. This approach eliminated the use of electrical or internal combustion driven drilling equipment, ventilation provisions and management of drill cuttings and fluids within a con-

strained basement with less than seven feet of headroom. The contractor successfully pushed 24 four-inch diameter, segmental steel pipe piles with an average wall thickness of 0.219 inches and minimum yield strength of 45,000 pounds per square inch (psi), approximately 80 feet through fill, soft clay and hardpan to top of rock. All of the piles were hydraulically advanced using the open-ended pile to a measured load resistance of 60 kips, which was twice the service load capacity of the pile. The need for pile load tests was eliminated since each pile was installed to a known capacity. Piles were then tremie backfilled with neat cement grout having a minimum 28-day unconfined compression strength of 4,500 psi. It took approximately 15 days to complete 24 pile installations during June 1995.

Exterior Support of New Building Frame Covering Orchestra Hall

Existing Orchestra Hall is bordered by alleys on the north and south. The width of the alleys ranged from 9 to 14 feet with less than 20 feet of overhead clearance in the south alley. Existing 12-inch-square timber grillages, old concrete and limestone foundations from predecessor buildings were encountered at the site.

After reviewing several deep foundation options, such as hand-dug caissons, pushed H-piles and auger cast piles, the contractors and structural engineer selected 210 kip service load capacity, drilled-in-place, rock-bearing, composite steel and cement grout mini-piles to support the new nine-story Main Hall

(Continued on Page 2)

Mini-Pile Foundations for Orchestra Hall Renovation

(Continued from Page 1)

roof structure with column loads ranging from 350 to 725 kips. Existing mini-pile technology could work well within limited alley geometry, satisfy low overhead requirements, easily core through masonry and timber obstructions, minimize loss of ground by using cased drilling techniques, and complete the work during an expedited work schedule. To eliminate pile eccentricity, bending moment and possible tension loads, the piles will be cast integrally into a continuous concrete pile cap with piles strategically located to support columns and allow drill rig accessibility.

TCDI and GEI proposed rock-socketed mini-piles consisting of 7-inch diameter, 0.5-inch thick wall pipe meeting the American Petroleum Institute (API) of API 5CT N80 (minimum yield strength of 80,000 psi) filled with neat cement grout having a 28-day unconfined compressive strength of 6,000 psi. To gain acceptance of the design from Chicago Building Officials, a minimum of two 420 kip pile load tests were required. The Chicago Building Code does not specifically address mini-piles. Therefore, the contractor's geotechnical engineer, GEI, designed the piles in accordance with current steel and reinforced concrete design standards. AISC, Load Resistance Factor Design (1986) was selected to establish the ultimate capacity of the composite pile section with lateral support and ACI Code (318.89) to evaluate creep effects. Computed stresses in the steel and concrete were compared with allowable stresses offered in the Massachusetts Building Code, Section 1217.2 (1990) for "Small Diameter Ground Piles" to assure that actual stresses in the pile would not exceed recommended working stress design limits.

Results of two load tests were successful. The first load test performed adjacent to the south alley supported 420 kips with 0.95 inches of permanent deformation. The second load test in the north alley carried 420 kips and 550 kips with 0.1 inches of permanent deformation. Tell-tale data demonstrated that permanent pile deformations were located at the tip of the rock socketed pile. Computed elastic shortening of the composite pile was 0.65 inches for an assumed 100-foot-long pile loaded to 210 kips, while measured elastic and plastic movements at the design service loads were 0.72 and 0.65 inches during the load tests. Actual pile shortening will be less, since a portion of the design load will be resisted by the pile cap bearing on subgrade. Anticipated pile cap settlements should match those associated with a connected adjacent structure founded on belled caissons in hardpan.

Production piling began in the south alley in July and was completed in August before Orchestra Hall reopened for September events. North alley production piling began in October and was completed in November. A total of 91 piles, averaging 90 feet long, were installed for the project. Piles were typically socketed one or two feet into limestone. The rock-socketed pile tip was reinforced with one #18 size, 5-foot-long Grade 60 reinforcing bar to improve the bearing capacity of the saw-toothed cutting shoe. Mini-piles consisted of 10-foot-long sections with flush couple, machined tapered threads with milled ends.

The interior of all of the mini-piles were roller-bit cleaned and tremie filled with lean cement grout and then pressure grouted to 150 psi to assure penetration of the grout into rock fractures and fill the annular space created by drilling.

The project team involved with alternate piling selections were the architect and structural engineer, Skidmore Owings & Merrill, project geotechnical engineer, STS Consultants, Ltd.; construction manager, Turner Construction Co.; piling contractor, TCDI; and contractor's geotechnical engineer, GEI Consultants, Inc. All parties appreciate the interest, participation and timely reviews by the City of Chicago, Bureau of Inspections for permitting this first-time use of high-capacity pressure grouted mini-piles in the City of Chicago.

Newsletter Staff Needed

The ASCE Illinois Section needs dedicated ASCE members to volunteer for Newsletter staff assignments. Interest areas are news coordination, feature articles, Section Activities articles, advertising, newsbriefs, publication and editorship.

Articles, written by others, are compiled into a draft for subcontractor printing and mailing.

If interested, contact M. Basar Civelek at (312) 774-5910.

ENGINEERS

Job Search Data Base

Find your next promotion on our 3 1/2" disk listing over **1,150 Illinois** civil, environmental, structural, mechanical and electrical engineering firms. Names, addresses, phone/fax numbers and disciplines are in Word Perfect and ASCII format. Forward check for \$34.00 to:

MULTIDATA Publishing Inc.

P.O. Box 486

Arlington Hts. IL 60006-0486

Minority Affairs Committee Supports Engineering Institute

For a number of years the Illinois Section has supported efforts to promote engineering careers among minorities in the Chicago area through the Minority Affairs Committee. In recent years, the committee's primary effort has been to support the participation of minority high school students in a summer engineering institute at the University of Notre Dame. This year, the Minority Affairs Committee is again preparing to help a group of Chicago-area high school students get a first-hand look at engineering by sponsoring their participation in the three-week program.

The "What is Engineering?" summer institute offered at Notre Dame is intended to promote promising minority high school students' interest in engineering as a career. Specific goals of the program include familiarizing students with various engineering disciplines, the use of computers in engineering, the typical engineering work place, the importance of basic math and science skills, and typical college application and financial aid procedures. Technical activities included in the program include classroom instruction, laboratory exercises, and field visits to manufacturing or construction sites. All activities are directed by faculty of the College of Engineering at Notre Dame or practicing professional engineers from the area. In addition, the program provides students with an introduction to life on a college campus through social activities organized in the College of Engineering and the on-campus residence halls.

The six participants selected for the program this year are highly qualified young people representing high schools from throughout Chicago. Participants selected include: Pablo Alvarado and Gabriel Rivera (Roald Amundsen High School), Jamel Brown (Hyde Park Career Academy), Jori Kilpatrick (Whitney Young Magnet High School), Zulekna Pendleton (South Shore Community Academy), and Nathaniel St. Clair (Lindbloom Technical High School).

Historically, this program has been funded by contributions from the Section, Technical Groups, and private and governmental organiza-

tions. Last year, however, a decision was made to supplement the funding with the proceeds of a Section Golf Outing. This year, the Second Annual Illinois Section ASCE Golf Outing will serve as a major source of funding for this program and other Minority Affairs activities.

In addition to preparing for the Golf Outing, the Minority Affairs

Committee will be working to identify ways in which it can expand its efforts beyond the summer engineering institute at Notre Dame. Section members who wish to offer ideas and/or participate in the Minority Affairs Committee's efforts should contact Joe Johnson at (312) 831-3821.

Transportation Group Presents Lifetime Achievement Award to Harry Lochner

The Transportation Group is proud to present Mr. Harry W. Lochner the Lifetime Achievement Award. Mr. Lochner has been selected for his outstanding contributions for the planning and design of transportation improvements.

Mr. Lochner initiated his career as a Transportation Planner for the Cook County Highway Department. Realizing the tremendous impact automobiles were to have on travel in America, Mr. Lochner began his own firm in 1944 to advance his ideas for limited-access highways in urban areas. He completed comprehensive transportation plans for more than 30 cities across the U.S., some of which are still being referred to, such as "The Lochner Plan" for Atlanta or the "Louisville Plan," which was the first to integrate limited-access highways into its

transportation plan.

As an innovator, Harry W. Lochner designed the first "spiral" ramp, making high-speed exit from an expressway safer. He also designed the first major expressway in the Chicago area — the Edens Expressway — and has been involved in the planning and/or design of every Chicago area expressway since.

Harry W. Lochner has also positively influenced the development of thousands of young engineers who have worked with and for him during his long and successful professional career as both President and now Chairman of the Board of H.W. Lochner, Inc.

The Transportation Group is grateful to Mr. Lochner for his contributions to our profession and pleased to present to him the Lifetime Achievement Award.

Seminars Planned on ACI Building Code

Due to the overwhelming response to the 40 seminars held in the spring of this year, the American Concrete Institute and the Portland Cement Association have scheduled another round of one-day seminars in 23 cities this fall on the changes in the newly issued ACI 318-95 *Building Code Requirements for Structural Concrete and Commentary*. The Code was extensively revised in 1995, the first significant revision since 1989. The 318 Building Code is heavily referenced in many U.S. and international code setting bodies, including the Uniform Building Code, the National Building Code, and the Standard Building Code.

As part of the seminar, participants will receive complimentary copies of both the ACI 318-95 *Building Code*

Requirements for Structural Concrete and Commentary and PCA's *Notes on ACI 318-95* — a \$150 value.

ACI and PCA, in cooperation with local ACI chapters, will present one-day seminars on this topic. A few of the locations are Baltimore on Oct. 15; New York City on Oct. 16; Waterbury, CT on Oct. 17; **Chicago on Oct. 29** (at the Hickory Ridge Conference Center in Lisle); and Buffalo, NY on Dec. 4.

Registration fees are \$324, with a discounted rate of \$279 for ACI National members and employees of PCA member firms. To register, contact Jeanette Gill, Seminars Registrar, American Concrete Institute, PO Box 9094, Farmington Hills, MI 48333-9094; or call 810/848-3815, fax 810/848-3801.

Nominating Committee Sets Section's Slate of Officers

The Nominating Committee of the Illinois Section met on April 24 and recommended the following slate of officers for 1997. The nominations were presented to the Illinois Section Board of Directors at the May Board meeting. The nominations were approved by the Board, and the slate will be installed as officers at the Annual Dinner Meeting on Oct. 16, 1996.

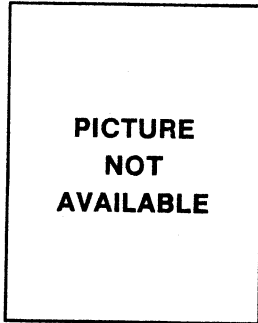
PRESIDENT — Allen Staron

Allen Staron is a registered Professional Engineer in Illinois and directs the Transportation Engineering Department for the Chicago office of Rust Environment & Infrastructure. Mr. Staron holds a BSCE degree from the University of Illinois at Urbana-Champaign and an MBA degree from DePaul University. His engineering experience includes highway design, transportation planning, transit design, airport engineering, roadway construction, and site development. His recent work includes the management of major public works projects for state and municipal agencies.

Mr. Staron has served the Illinois Section as President-Elect, Secretary, Director, and as the first chair of the Transportation Group; his professional activities include committee work for the Consulting Engineers Council of Illinois.

PRESIDENT-ELECT — Christopher Burke

Christopher B. Burke is a registered Professional Engineer in Illinois, Indiana, Wisconsin and Ohio. He is President of Christopher B. Burke, Ltd., with offices in Rosemont and Peoria, Illinois, and in Indianapolis and Ft. Wayne, Indiana. Over the past 10 years, Dr. Burke has been involved in a number of professional societies, including ASCE, where he has served as a director of the Illinois Section, is a past chair of its Student Affairs Committee and of the Urban Planning and Development Group, and is currently treasurer. At the National ASCE level, he is a past chair of the Surface Water Committee — Irrigation and Drainage Division, and a control member of the ASCE Task Committee on the Urban Hydrology Chapter of the Hydrology Manual. He also served as chair of the CECI Corps of Engineers Liaison Committee for both the Chicago and Rock Island Districts and is currently a CECI board member. Dr. Burke received the 1986 Young Civil Engineer of the Year Award from the ASCE Illinois Section, the Edmund Friedman Award from ASCE National, the Charles Ellet Award from the Western Society of Engineers, the Meritorious Services Award from the American Public Works Association, and the Civil Engineering Alumni Achievement Award from Purdue University.



PICTURE
NOT
AVAILABLE

SECRETARY — Richard Walther

Richard Walther will be completing the second year of a two-year term as Illinois Section secretary. He has previously served the Illinois Section as director, chair of the Structural Group, chair of the Section Awards Committee, and chair of the Structural Group's 1995 Lecture Series. He started in ASCE as president of the Student Chapter at Purdue University. He is a registered Professional and Structural Engineer in Illinois and is employed by Wiss, Janney, Elstner Associates, Inc. He holds bachelor and master of science degrees in civil engineering from Purdue. His professional experience includes instrumentation, testing and evaluation of steel bridge structures, with a special emphasis on fatigue and fracture problems. Following the Northridge Earthquake, he also conducted numerous investigations into the seismic performance of building structures.



TREASURER — John V. O'Holleran

John V. O'Holleran has over 18 years of extensive experience in transportation and municipal engineering. This experience includes preparation of environmental documentation for transportation projects, location studies, roadway design, traffic planning and design, airport design, storm-water design, and railroad and utility design. Mr. O'Holleran is a vice president at HNTB, responsible for the management and administration of the Transportation, Structural and Construction Services departments. He holds a bachelor's degree in civil engineering from the University of Illinois and is a registered Professional Engineer in Illinois and Wisconsin. Professional affiliations include ASCE, National Society of Professional Engineers, and the Consulting Engineering Council of Illinois.



DIRECTOR — Melcy Curth Pond

Melcy Curth Pond, P.E., received a B.S. in engineering from Purdue University and an M.S. in engineering from the University of Illinois. She began her career with the USDA-SCS, providing engineering assistance on the Upper Salt Creek Watershed and Little Calumet River Watershed flood control projects. She has over 20 years of experience in the planning, design and construction of water resources projects in both the public and private sectors. Ms. Pond is currently the water resources manager for Rust Environment & Infrastructure. She has served as treasurer, vice-chair and chair of the Environmental Engineering & Water Resources Group of the Illinois Section and has represented EE&WR on the Award Committee. Melcy is also active in CECI, IASFM and SAME.

(Continued on Page 7)

PRESIDENT'S NOTES

Your Illinois Section Board and Technical Groups have been busy this year. This month's column is devoted to updating you on our progress. The following list highlights some of our activities:

- The Committee for Public Action has been charged with developing a web page for the Illinois Section. We hope to be online this fall. Our page will be linked to ASCE National. We will also have an e-mail address.
- Our past president, Bill Babcock, has been able to recruit several Illinois Section members to serve on national committees, allowing us to have a greater impact on the direction that the Society takes.
- The first draft of the Illinois Section Manual of Operations has been completed and is currently being reviewed. The manual is intended to provide continuity from year to year as committee chairs, group officers, and Section officers change and to provide a means to monitor the performance of committees and groups to determine if they are meeting the needs of the membership.
- An ad-hoc committee was formed to propose amendments to the Section's constitution that would bring it in line with our current operating environment. The proposed changes were published in the last two newsletters for your review. We thank those of you who commented. We are addressing your comments and will be submitting the amended constitution to the ASCE Zone III Committee on Section and District Councils for their approval.
- The board made a concerted effort to provide more information to you regarding the operations of the Section, including publishing the Section budget for the first time in recent history.
- The board voted unanimously to pledge \$5,000 to the ASCE Building Foundation to help with the move of ASCE National to Washington, DC. Having a presence in the nation's capital should bode well for our profession.
- The Associate Member Forum sponsored the Zone III Younger Members Conference in March. It set a record for attendance and



was highly regarded by the attendees.

- The Structural Group sponsored and helped coordinate the Structures Congress in April. The event was very successful.
 - All of the Technical Groups provided strong programs, including dinner meetings and seminars.
- Finally, Jill Organ, a director and past chair of the Associate Member Forum, submitted her resignation from the board in May. She has her husband relocated to Milwaukee. The board extends a special thanks to Jill for her service. Her energetic personality and willingness to serve will be greatly missed. Our loss is the Wisconsin Southeast Branch's gain. Best wishes and good luck to Jill from the Illinois Section Board of Directors.

John Carrato

Mark Your Calendar!

**The Illinois Section
Annual Dinner Meeting
will be held**

Oct. 16, 1996

***Watch future
Newsletters for
more information.***

Nominations Sought for ASCE Honorary Membership

ASCE National is seeking nominations for the grade of Honorary Member. Since its inception in 1953, 450 individuals have been elected to the membership grade of Honorary Member. As defined by ASCE National, an Honorary Member shall be a person who shall have attained acknowledged eminence in some branch of engineering or in the arts and sciences related thereto, including the fields of engineering education and construction. Whether elected from the membership of the Society or from outside its rolls, Honorary Members shall be exempt from the payment of entrance fees and annual dues. The total number of Honorary Members elected in any year shall not exceed one for every 7,500 members. This last year only 10 individuals were elected to the grade of Honorary Member.

If you know of an individual who meets the standards for consideration of Honorary Membership, contact Richard A. Walther at (708) 272-7400 for a nomination form. Nomination forms must be returned to ASCE National by Oct. 1, 1996.

Section Announces 1996 Golf Outing

The Illinois Section ASCE announces its Second Annual Golf Outing, to be held Wednesday, Aug. 21, 1996 at Gleneagles Country Club, 13700 McCarthy Rd., Lemont, Illinois. There will be a shotgun start beginning at 7:30 a.m. (arrive by 7 a.m.). We will play best-ball format — select the best shot out of the foursome and each member of the group hits from that location. Additional description of the rules will be given at the course.

The registration fee is \$95. The proceeds of the golf outing will be used to benefit the Section's minority student affairs program, which introduces minority students to engineering career opportunities by sending them to a three-week camp at the University of Notre Dame.

Deadline for entry is Monday, Aug. 12, 1996. For reservations, call Barb Pries at (312) 263-1606. See the flyer enclosed in this mailing for details.

ASCE KEY ALERT

Urge Senators to Support Transportation Trust Fund Bill

The overwhelming passage of H.R. 842, the Truth in Budgeting Act, in the U.S. House of Representatives on April 17, 1996 sets the stage for Senate consideration of a companion bill, S. 729, the Trust Fund Restoration Act. The excellent letters written by those ASCE Key Contacts who responded to our March 28, 1996 Key Alert on H.R. 842 boosted congressional support for the measure. The vote on final passage of H.R. 842 was 284-143, a resounding victory. It is now time to turn our attention to the U.S. Senate, where support for S. 729 needs to be strengthened to force a vote on the Senate floor. S. 729 currently has only eight co-sponsors.

The reasons for supporting S. 729 are identical to those outlined in the March Key Alert on H.R. 842. Despite enormous and well-documented national infrastructure needs — \$212 billion for highways, \$78 billion for bridges, \$50 billion for airports, \$18 billion for transit and \$3 billion for inland waterways — more than \$31 billion has been allowed to accumulate in the Highway, Airport and Airway, Inland Waterway, and Harbor Maintenance Trust Funds. All four trust funds are financed by dedicated user fees, such as the federal motor fuel tax in the case of the Highway Trust Fund. By law these funds can only be used on infrastructure improvements.

However, the current "unified" budget process has encouraged congressional and administration budget leaders to succumb to the temptation of using these large, unexpended cash balances to mask the true size of the federal budget deficit. Because this budget gimmick only masks the true size of the annual budget deficit, these transportation user fees are actually being used indirectly to support other categories of federal spending. Such a ploy breaks faith with transportation users who have paid into these four trust funds over the past 30 years in the belief that their taxes would support needed infrastructure investments. S. 729, like H.R. 842, would move these transportation trust funds "off-budget," which would eliminate the incentive to allow large cash balances to accrue. Civil engineers know first-hand about the nation's

declining investment in vital public works infrastructure projects. It is time to speak out loudly against this shameful and frankly dishonest abuse of the transportation trust

funds. **Immediate action requested! Please write letters today to both of your U.S. Senators and urge them to co-sponsor and support S. 729, the Trust Fund Restoration Act.**

Newsbriefs

Ownership Transfer: Options and Strategies

Not being prepared for ownership transfer can be crippling. Ownership transition involves dealing with strategic business planning, together with psychological, financial, tax and legal implications. To answer the growing need for guidance, Paul M. Lurie and Lowell V. Getz have collaborated to write *Ownership Transfer: Options and Strategies*, the only definitive source of advice to help instruct today's architectural and engineering firms through ownership transition.

For more information on ordering *Ownership Transfer: Options and Strategies*, contact the American Consulting Engineers Council, 1015 Fifteenth St., NW, Suite 802, Washington, DC 20005; or call (202) 347-7474, fax (202) 898-0068, e-mail <http://www.acec.org>.

HNTB Promotes John O'Holleran

HNTB Corporation is proud to announce the appointment of John V. O'Holleran, P.E., as a vice president of the firm. Mr. O'Holleran has more than 18 years of extensive experience in transportation and municipal engineering. This experience includes preparation of environmental documentation for transportation projects, location studies, roadway design, traffic planning and design, airport design, stormwater design, and railroad and utility design. He is responsible for the management and administration of the Transportation, Structural and Construction Services departments. He holds a bachelor's degree in civil engineering from the University of Illinois and is a registered Professional Engineer in Illinois and Wisconsin. Professional affiliations include ASCE, NSPE and CECI. Congratulations to Mr. O'Holleran.

The Intellectual Property Seminar

This complete overview of the ways of *Using Patents, Trademarks and Other Forms of Intellectual Property to Protect Your Technology* will be presented by William C. Rowland, J.D., of Burns, Doane, Swecker and Mathis.

Date: July 15-16, 1996

Place: Radisson Hotel, Chicago

Info: ASME Continuing Education at (800) 843-2763.

ASCE Committee Seeks Funding Shift

ASCE's Committee on Society Objectives, Programs and Organization (COSOPO) recommends a funding shift in the FY'97 budget to add \$270,000 for new section/branch programs. Contact any Illinois Section board member if you would like more information or have comments on this recommendation.

Memo Pads Exclusively For ASCE Fellows

Now you can display the prestige that accompanies being a Fellow of ASCE. Fellows can now purchase custom-designed memo pads depicting the ASCE logo and their Fellow grade status.

The tablets, printed in two colors, include name, address, and telephone and fax numbers. Sized at 5.5" x 8.5", they are available in quantities of 10 (100 sheets per pad) at a cost of \$30.50 (includes shipping and handling).

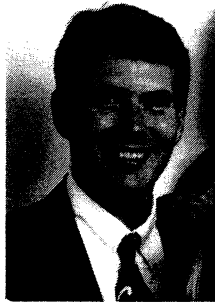
For more information on this product, contact Pearl Rodriguez at ASCE Headquarters at (800) 548-2723 ext. 8595, or e-mail at PYU@NY.ASCE.ORG.

Nominating Committee Sets Section's Slate of Officers

(Continued from Page 4)

DIRECTOR — Charles J. Stenzel

Charles J. Stenzel is an associate with JBM Engineers and Planners in Schaumburg. Mr. Stenzel has bachelor and master of science degrees in civil engineering from the University of Illinois at Urbana-Champaign. He is a registered Professional Engineer in Illinois. His professional experience includes the design and management of numerous transportation projects, including the preparation of combined location/design reports, environmental class of action determination documents, contract plans, and specifications. In the past he has served as chairman of the Transportation Group. He recently served as chair of the group's Education Liaison Committee, which provides volunteers to speak during career days at Chicago Public High Schools.



DIRECTOR — Vincent C. Wroblewski, Jr.

Vincent C. Wroblewski, Jr. is a registered Professional Engineer and has served as the director of engineering for the Village of Schaumburg since 1978. Mr. Wroblewski is a 1969 graduate of the University of Illinois, where he earned his Bachelor of Science Degree in Civil Engineering. After graduation, he worked for Consoer, Townsend & Associates before accepting a position with the Village of Schaumburg in 1972. In his position as director of engineering, he is responsible for the review, design and construction of a variety of construction projects, including connection to the Lake Michigan Water System, completion of an interchange with I-290 and a highway extension south of the Woodfield Regional Center, and the construction of a 5.5- and a 6.5-million-gallon standpipe. Mr. Wroblewski is a past chair of ASCE's Urban Planning and Development Group and was the Section's Government Civil Engineer of the Year in 1994. He is currently the Section's Student Chapter Committee chair.



Invest *in*

A\$CE

SPONSORED APPLICATION
MUST BE POSTMARKED BY
JULY 31ST

Sign On A Colleague, And We All Profit

And this year you can cash in with A\$CE Money towards dues, publications, seminars, and conferences.

There's no better investment you can make than to sponsor a colleague in ASCE's 1995/1996 Membership Drive. Why? Because *we all profit.*

You will profit when you earn *A\$CE Money* for sponsoring colleagues. You can receive your choice of prizes *or* up to \$75 in credits towards dues, publications, seminars, or conferences. The more members you recruit, the more *A\$CE Money* you get.

Your colleagues will profit professionally and financially from the benefits of membership. And, as ASCE grows, it will become an even stronger advocate for the interests of civil engineers *everywhere.*

To invest in ASCE and help build a better future for civil engineers, call Membership Development at **800-548-2723 (ASCE).**

ASCE

SECTION ACTIVITIES

Environmental Engineering & Water Resources Group

Meetings of the EE&WR Group are held the second Tuesday of each month.

Plans for an HEC-RAS short course are proceeding with a tentative schedule now focused on the first week of October. Mr. Richard Hayes of the COE will be the instructor. An announcement will be made in the September newsletter.

An FEQ short course is being planned for this year in late fall. 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 (708) 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 Group chairperson if you are interested in participating in the planning of this national conference. We will be needing volunteers shortly. Arrangements for a conference of this size and importance must be finalized well in advance.

The next EE&WR Group meeting will be:

Date: July 9, 1996
Time: 5:30 p.m.
Place: River Center
Main floor conference room
111 N. Canal St., Chicago
RSVP: Dave Kendall at (708) 574-2568

Associate Member Forum

July Activity

It's time again for the annual AMF Canoe Outing. Join us for this always eventful and relaxing outing. We will be floating down the Fox River at the same great location as last year. Please reserve your canoe by July 8, 1996. Space is limited, so call now. The cost is \$17 per person, with two people per canoe.

Date: July 13, 1996
Time: 9:30 a.m.
Place: Lower Fox River
near Wedron, Illinois
Cost: \$17 per person
RSVP: Clif Galitz at (708) 434-7060 ext. 1251

August Activity

If it's August, it must be baseball! That's right, this year we have a change of venue for the annual baseball outing. It's the Kane County Cougars out in the burbs. The stadium may be newer, but the fun is still the same. We have a limited number of tickets, so reserve yours now.

Date: Aug. 24, 1996
Time: 7 p.m.
Place: Kane County Stadium
Geneva, Illinois
Cost: \$10
RSVP: Kim Proia at (708) 250-9595
by Aug. 17, 1996

Structural Group

September Meeting

Mr. Clyde N. Baker, Jr., of STS Consultants will discuss soil-structure interaction problems with combined foundation systems. This is a joint dinner meeting with the ASCE Geotechnical Group and the Structural Engineers Association of Illinois. See the Geotechnical Group notice for more information.

Date: Sept. 10, 1996
Time: 6:30 p.m.
Place: Como Inn
546 N. Milwaukee, Chicago
RSVP: Barb Pries at (312) 263-1606

Executive Committee Meeting

The ASCE Structural Group is recruiting candidates for the 1996-97 Executive Committee. The committee meets monthly to plan group activities, including dinner meetings, awards, scholarships, continuing education courses and other activities of interest to structural engineers. If you would like to join the Executive Committee, please contact Jeff Smetters at (312) 648-1700.

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 preceding Thursday.

September Dinner Meeting

The September dinner meeting will be a joint meeting held with the Structural Group and the Structural Engineers of Illinois. The guest speaker will be Mr. Clyde N. Bakers, Jr. of STS Consultants Ltd., speaking about soil-structure interaction problems with combined foundation systems. One of several case histories that Mr. Baker will discuss is a 12-story office building and parking garage south of the Loop.

Date: Sept. 10, 1996

October Dinner Meeting

See the next newsletter for information about October's meeting.

Date: Oct. 8, 1996

Management Group

The Administration Committee meets on the third Thursday of each month and needs a few more dedicated ASCE members to help plan programs. Contact Fred Parkinson at (312) 782-8150. MGT interest segments are:

Education — Mentoring with pre-college student programs; facilitating continuing education.

Professional Activities — Continuing education efforts and ASCE awards participation.

Program — *Management Express Luncheons*; co-sponsor with other ASCE groups and affiliates.

Construction — A program and topical seminar resource.

Energy — A power resource; help with *American Power Conference* facilitation.

Marketing — Communications, publications and recruitment. The group is prepared to help associate or affiliate members of ASCE upgrade to regular member status. Contact Bob Camillone at (708) 349-2790.

Niche Marketing by Barry Koren

STEP 5: MANAGE DELIVERY OF SERVICES. Don't take delivery for granted. You need people and systems that are friendly to clients and potential clients. For each niche, find out if the services received are mutually satisfactory. If there are surprises, customize again so that your services match client needs.