



ASCE

ILLINOIS SECTION

NEWSLETTER

Vol. 37 No. 6

American Society of Civil Engineers

April 1996

IN THIS ISSUE

*Award Program
Call for Nominations*
Page 1-2

President's Notes
Page 3

Editorial
Page 4

Newsbriefs
Page 5

Remote Bridge Monitoring
Page 6

Section Activities
Page 7, 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: (813) 726-2364

News Coordinator—Bob Camillone

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

Pres. John Carrato (312) 585-0450
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) 263-1606,
FAX (312) 372-5673.

**Submittal deadline
for the May/June Newsletter
is April 8, 1996**

1996 Awards Program Call for Nominations

The American Society of Civil Engineers (ASCE), founded in 1852, is the oldest and one of the most prestigious national engineering societies in the United States. ASCE is dedicated to the advancement of the science and profession of engineering to enhance the welfare of mankind. The Illinois Section, in keeping with the objectives of the ASCE, is soliciting nominations for its 1996 Awards Program to be held in October 1996. The Awards Program is held yearly to recognize local engineers and engineering firms who have been committed to the advancement of civil engineering and have contributed to the general improvement in the quality of life. Illinois Section Award recipients will represent the Section by becoming candidates for the 1997 ASCE National Awards Program.

Nominations are being sought for the following awards:

- Outstanding Civil Engineering Achievement
- Civil Engineer of the Year
- Young Engineer of the Year
- Government Civil Engineer of the Year
- Young Government Civil Engineer of the Year
- Citizen Engineer Award
- Public Involvement Award
- Employer Recognition Program for Exemplary Support of Government Civil Engineers in ASCE Activities
- Employer Recognition Program for Exemplary Support of Private Civil Engineers in ASCE Activities
- Excellence in Journalism Award

Persons wishing to submit a nomination should contact the

Awards Committee Chair Mr. Erik L. Gil at (847) 823-0500, FAX (847) 823-0520 for an application form. Nomination forms must be submitted in order to be considered for any of the awards. The nomination forms provide general guidance for completing a successful application. Nominations for all awards are due by August 2, 1996 and should be sent to Mr. Erik L. Gil, Christopher B. Burke Engineering, Ltd., 9575 West Higgins Road, Suite 600, Rosemont, Illinois 60018.

The Outstanding Civil Engineering Achievement

Recognizes projects which represent outstanding contributions to civil engineering progress and to society. The project must be complete as defined in the 1996 ASCE Official Register, p. 414. The following criteria will be given special weight in making the selection: Contribution to the well being of people and communities; resource-fulness in the planning and solution of design problems, the pioneering use of materials and methods; innovations in construction; consideration of impact on the environment; unusual aspects of a project or aesthetic values; and its contribution to the "quality of life." Small projects as well as large projects will be considered.

Civil Engineer of the Year

Recognizes outstanding professional contributions to society by exemplary professional conduct in a specific outstanding instance; established reputation for professional
(Continued on Page 2)

1996 Award Program Call for Nominations

(Continued from Page 1)

service; objective and lasting achievement in improving the conditions under which professional engineers serve in public and private practice; significant contribution toward improvement of employment conditions among civil engineers; significant contribution toward improving the professional aspects of civil engineering education; and/or professional guidance of qualified young persons who would seek civil engineering as a career. The criterion for the award are described on page 412 of the 1996 ASCE Official Register (Edmund Friedman Professional Recognition Award).

Young Civil Engineer of the Year

This award will be presented to a civil engineer, preferably registered, who is employed in the private sector and 35 years of age or less on February 1, 1996. The candidate will be judged to have attained significant professional achievement by the degree to which the candidate has shown service to the advancement of the profession, evidence of technical competence, high character and integrity, contribution to public service, and other evidence of merit that has advanced the Society's objectives. The criterion and description of the award are described on page 424 of the 1996 ASCE Official Register (Edmund Friedman Young Civil Engineer Award for Professional Achievement).

Government Civil Engineer of the Year

This award will be presented to a distinguished civil engineer, preferably registered, employed in public service; who is a citizen of the United States; and who has sustained outstanding civil engineering performance in the public sector, shown evidence of high character and professional integrity, and has been employed in public service as a civil engineer for a minimum of 15 years, of which five have been at the senior administrative level. For a description of the National Award see page 408 of the 1996 ASCE Official Register (Government Civil Engineer of the Year Award).

Young Government Civil Engineer of the Year

This award will be presented to a civil engineer, preferably registered, employed in public service for between five and 10 years; who is 35 years of age or less on December 31, 1995; who is a citizen of the United States; and who has shown excellent performance that has demonstrated leadership potential in the public sector and evidence of high character and professional integrity. The description of the National Award is included on page 409 of the 1996 ASCE Official Register.

Citizen Engineer Award

This award will be presented to a member who has made volunteer efforts that better our world in such areas as local or national legislation, education at all levels, non-profit volunteer organizations, community activities, etc. The nominees will be evaluated on the positive impact and overall contribution as a result of their effort, number of people involved or reached by their effort, originality, and level of effort.

Public Involvement Award

This award will be presented to an ASCE Illinois Section member group (two or more individuals) which has made volunteer efforts that better our world in such areas as local or national legislation, education at all levels, non-profit volunteer organizations, community activities, etc. The nominees will be evaluated on the positive impact and overall contribution as a result of their effort, number of people involved or reached by their effort, originality, and level of effort.

Government Employer Recognition Award

This award will be presented to a government employer who encourage their engineers to actively participate in ASCE. Special recognition will go to those organizations who exhibit exemplary support as

evidenced by; providing a model for involvement through agency-wide participation in local, regional, and national ASCE activities; allowing engineers time off to attend ASCE meetings and seminars; supporting and encouraging technical and professional growth; encouraging engineers to prepare articles for publication in ASCE professional and technical journals; and assisting in the payment of Society dues.

Private Employer Recognition Award

This award will be presented to a employer in the private sector who encourage their engineers to actively participate in ASCE. Special recognition will go to those organizations who exhibit exemplary support as evidenced by; providing a model for involvement through agency-wide participation in local, regional, and national ASCE activities; allowing engineers time off to attend ASCE meetings and seminars; supporting and encouraging technical and professional growth; encouraging engineers to prepare articles for publication in ASCE professional and technical journals; encourage participation in ASCE by younger members; and assisting in the payment of Society dues.

Excellence in Journalism Award

This award was founded in 1994 for the ASCE National Awards, and has been incorporated into the Illinois Section Awards program for 1996. This award is given annually to a reporter or reporters whose news coverage enhances public understanding of civil engineering issues, and the impact of civil engineers on this state (or nation). Only reporters from general (nontrade) print publications are eligible. The publications must be regional or local. News stories must be published in a) English; b) in Illinois; and c) between May 1, 1995 and April 30, 1996. The description of the National Award is included on page 418 of the 1996 ASCE Official Register.

PRESIDENT'S NOTES

In last month's column, I noted that ASCE National recently published "The American Society of Civil Engineers — ASCE 2000 — Working Drawings for the 21st Century." This document contains a strategic plan and outlines a strategy and an action plan for achieving each strategic objective. I am proud to say that two members of the Illinois Section are playing a major role in this effort. Steve Mitchell, a Past President of the Illinois Section, Past District 8 Director and Zone III Vice President, is one of the primary architects of the plan. And Andy Longinow, Past Chair of the Structural Division and Director for the Illinois Section and current Chair of the Structural Division (National), is involved with development of a pilot Academy (Structural Engineering).

Execution of this Strategic Plan will dramatically change the American Society of Civil Engineers.



ASCE National tells us that if the Strategic Plan is executed successfully, it should provide you with:

- more work due to increased public understanding of the need for a

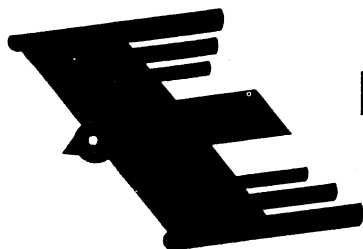
- well-maintained infrastructure;
- a better relationship with the global engineering community;
- more influence in all levels of government;
- a higher professional profile and a more respected reputation;
- improved access to leading-edge technology;
- better education for you and your co-workers; and
- a more responsive and less bureaucratic Society.

It almost sounds too good to be true, but I honestly believe we can make it happen. Your best opportunity to learn about the action plan being developed to implement the Strategic Plan is to read the ASCE News, a periodical you receive from National each month. The column entitled "Strategically Speaking" is intended to answer the most-frequently asked questions about the Strategic Plan.

Development and implementation of these strategies are in their early stages. Now is the time for members of the Illinois Section to provide input to this process. While excited about the Strategic Plan, the Illinois Section Board is not without concern about the impact on our Section. Specifically, we are concerned about the development of Institutes and Academies for disciplines within the Society.

The Illinois Section is unique in that we mirror National with our Technical Groups. The strength of our Section is built on the excellent programs provided by these Technical Groups. If an Academy of Structural Engineers and Institute of Geotechnical Engineering are formed, how will they impact us at the local level? Will local members within those disciplines remain within the Technical Groups that sit on our Board? What will the impact on the Section Dues and Society Allotments be? The Board will be asking these questions and so should you. Please be a part of this exciting process by providing input to members of our Board or to National. If you want more information about the Strategic Plan, please contact Linda Gall, Communications Manager, ASCE, 345 E. 47th St., New York, NY 10017; phone (212) 705-8541; fax (212) 421-1826; e-mail stratplan@ny.asce.org.

John Carrato



EarlyBird™

Municipal ProjectFinder

- Municipal project database exclusively focused on local government infrastructure work.
- Delivered on diskette, with easy-to-use pull-down menus. Search by location, project type, size, and keyword.
- 3-year time horizon permits long-range market planning, time to build important relationships in the public sector.
- Includes City/Agency Profile database with key officials, phone numbers, other information.



Demo Diskettes Available

Call Toll Free:

1-800-603-2759

Editorial

**By Glenn E. Schirmer, P.E.
Barton-Aschman Associates, Inc.
Past President, Illinois Section**

I read with great interest the insert that appeared in the February Newsletter entitled "Engineers Must Take Responsibility for Improving Image," by ASCE National President Charlie Parthum. As has been the case with many recent ASCE Presidents, Mr. Parthum makes a very good point, that few people realize how much civil engineers contribute to the growth, safety and quality of life in America and the world. He also appropriately points out the fact that we can't be a silent profession — we must improve our own image by speaking out about our contributions. I question, however, the apparent simplicity with which Mr. Parthum advises us to approach the problem.

At about the same time that I read the Parthum paper, I also read a paper in the January/February issue of ASCE's Journal of Management in Engineering, entitled "Fear Not: The Art of Risk Communication," by Christine Barr, a publication specialist at CH2M Hill. This paper points out that the public suffers from a distorted perception — one based on risk, not only of physical harm, but including moral/emotional issues. I believe that we need to face up to these perceptions if we are to truly swing public support to our side as Mr. Parthum suggests that we must.

Mr. Parthum notes that people don't know what we do — build roads, water treatment plants, airports and the like. I submit that the public knows what we do, but they have the perception that we only solve problems by building our way out of them. We need to demonstrate that we not only solve problems, but are capable of, and actually do, IDENTIFY secondary problems that we also solve as part of our projects.

Ms. Barr refers to primary outrage factors that lead to public perception of risk. They include coercion, industrial facilities, exotic facilities, memorable accidents, dreaded effects, potential catastrophes, new technologies or processes, control by others, unfairness, morally relevant issues, association with untrustworthy sources (most notably government), effect on vulnerable popu-

lations or future populations, substantial media attention, opportunity for collective action, and few benefits. How many times have any one of us encountered opposition to a project because of one or more of these factors? For example, a landfill project that neighbors oppose based on the fear of the unknown and negative media that peaks attention. Or a highway project that will run through both natural areas and residential areas, which is assumed to hinder air and water quality, generate noise, and bifurcate communities. In these cases, the cries of "you're poisoning our children" ring loud and are based more on the outrage factors than any scientific evidence. Even though we work hard to identify adverse impacts and to mitigate them, it is generally public perception that we are hired to "build" facilities and that we only pay lip service to the potential impacts.

Mr. Parthum suggests that involvement in education and public affairs

will allow us to talk about our profession with pride and knowledge, thereby influencing public perception. He also suggests media training. I think that this will do us far more good than working through schools and other organizations. Ms. Barr identifies four ways to neutralize public outrage: maintaining two-way communication, anticipating outrage, actually communicating the project risk, and planning risk communications. If we want to swing public support to our side, we must be more than technically competent engineers. We must become, or at least be actively involved as, communicators and media specialists. It's interesting that Christine Barr is not an engineer, but rather a publication specialist. If we pay attention to her advice, we stand a better chance of improving our business environment and influencing political issues. If you were interested in Charlie Parthum's paper, I encourage you to also read Christine Barr's article.

EE&WR to Offer Advanced FEQ Course

The Environmental Engineering and Water Resources Group (EE&WR) is co-sponsoring a three-day instructional seminar on Advanced Hydraulic Modeling Techniques Using the FEQ Unsteady Flow Model. The DuPage County Department of Environmental Concerns is co-sponsor of the seminar, which will be held May 29-31 in Lombard at the WMX Technologies Leadership Development Center. Dr. Delbert Franz will be the course instructor. Topics to be covered include: new features of FEQ and FEQUTL developed during the past two or three years, proper use of the CULVERT and EXPCON routines, convergence issues, bridge analysis with WSPRO, use of the USFVIEW and FEQXEDIT software and other items of interest to current FEQ users. Previous FEQ experience is strongly recommended for persons signing up for this course. The course fee of \$400 includes the latest FEQ software and documentation and lunch each day. To register, send check or money order for \$400 with name, address and phone number to: EE&WR, c/o Eric Loucks, Rust Environment & Infrastructure,

1501 Woodfield Rd., Suite 200 East, Schaumburg, IL 60173. Make checks payable to: ASCE EE&WR. For further information, call Eric at (847) 605-8800, or Rob Covey at (708) 682-6710.

DISTRICT MANAGER Civil/Geotechnical

PSI, a national leader in geotechnical and engineering services, seeks a District Manager for our growing Detroit area operations. We offer an exceptional opportunity for professional responsibility and technical growth.

We seek a geotechnical engineer to manage and mentor multiple locations. Qualifications include a BS/MS in Civil/Geotechnical Engineering, PE registration, 10+ years experience in geotechnical engineering and testing and strong Michigan market knowledge. P&L management skills a plus. Competitive compensation and benefits package available.

For immediate consideration, fax resume to Kathy Kozicki at (708) 691-1587; or mail to PSI, 510 E. 22nd St., Lombard, IL 60148. EOE M/F/D/V

PSI

Newsbriefs

ASCE Seminars

St. Louis, MO:

- Hydrology & Hydraulics Computer Workshop on April 29-30.

Chicago, IL:

- Loss Prevention on April 14
- EJCDC Design/Build Documents on May 22-23
- Municipal Storm Water Management on April 22-24
- Movement and Fate of Contaminants in Surface Water, Groundwater and soils on April 22-23

National Survey Service Elects President

Michael D. Raimondi has been elected as the new President of National Survey Service, Inc., succeeding Nicholas Raimondi. The firm of registered land surveyors has its offices in Chicago and provides services for airports, hospitals, highways, shopping centers and commercial/industrial enterprises. Nicholas Raimondi will remain active in the firm as its consultant.

Zemke Joins Alfred Benesch

Alfred Benesch & Company is pleased to announce that Ronald E. Zemke, P.E., has joined the firm as a Senior Project Engineer in the Chicago Division, bringing 34 years of civil engineering experience to the company.

Kennedy Project Gets ACPA Presidential Award

The Kennedy Expressway Project recently received the American Concrete Paving Association's Presidential Award for Distinguished Achievement, which acknowledges association members and groups that transcend conventional practice in concrete paving. The accomplishments of the project demonstrate how concrete can be used successfully to reconstruct transportation arteries vital to our nation's economy and way of life. The project involved multiple contracts over three years and the routing of more than 250,000 vehicles per day through the project.

ASCE Debuts Web Site

A new World Wide Web site provides civil engineers instant access to a wide array of professional and technical programs, products and services offered by ASCE. Accessible at <http://www.asce.org>, the web site provides engineers with one-stop shopping for complete, up-to-the-minute information about ASCE and general civil engineering topics, such as membership and member benefits, technical activities, publications, ASCE monthly publications *Civil Engineering* magazine and *ASCE News*, technical conferences and the annual convention, continuing education seminars, and policies and positions on key issues. Hopefully, it will be linked to most ASCE sections in the future. In coming months, the web site will expand to cover on-line registration for seminars and conferences, purchase of ASCE books and journals, information about careers, and an on-line career/employment database. For details, contact Virginia Crudo at vcrudo@ny.asce.org.

M.S. in operations and technology management

A weekend degree program for managers in technology-intensive organizations

This graduate management program is designed for experienced working professionals who require management skills and an integrated business perspective in order to advance their careers.

In 18 months of Saturday classes, you will learn how to:

- initiate change and innovation
- identify and solve problems
- effectively use technology
- lead teams of highly trained professionals
- manage complex situations
- improve operational effectiveness
- manage strategically

The OTM program is offered at the Great Lakes Naval Training Center in Lake County, Illinois.

For additional information, applications, or a schedule of Open Houses, contact the program director, Professor Joel Goldhar, 312-906-6526.

Courses offered include:

- Information Technology in Business
- Probability and Statistics for Business Decisions
- Product Development and Management
- Project Management
- Logistics
- Effective Leadership and the Management of Change
- Total Quality Management
- Marketing and Innovation Management
- Economic and Financial Analysis
- Organizational Behavior and Design
- Managerial Accounting
- Strategic Management of the Total Enterprise
- Modeling and Simulation for Business Decisions

Stuart School of Business
Illinois Institute of Technology

BIRL Installs First Global Remote Bridge Monitoring System

A Federal Highway Association study has shown that 42% of the 542,000 bridges in the U.S. are either structurally or functionally deficient. Similarly, 40% of the total square footage of U.S. bridges are 15 to 35 years old — prime candidates for major rehabilitation. Nowhere near the level of funding required to repair these bridges is expected to be available anytime soon. It is imperative, therefore, that a method be found to evaluate the condition of these bridges and, where a problem is discovered, continuously monitor their condition in order to detect

further degradation long before failure occurs.

The Basic Industrial Research Laboratory (BIRL, from Evanston, Illinois) has installed what is believed to be the first global remote monitoring system on a highway bridge in the world. The SoMat Model 2100 Field Computer System (from SoMat Corporation of Champaign, Illinois) was installed on a rolling bascule bridge over Sturgeon Bay in Door County, Wisconsin. It allows engineers located at the BIRL to closely monitor crack propagation and other conditions on the bridge, which is near the

end of its design life. The system is intended to serve as the prototype for a new method to monitor the condition of aging bridges in order to insure public safety and allocate scarce rehabilitation and replacement funds in an optimal manner.

58th American Power Conference Set for April 9-11

The American Power Conference held every April in Chicago, is co-sponsored by the American Society of Civil Engineers. The conference offers a number of paper sessions, activities and exhibits of interest to civil engineers. This year's civil sessions include: chimney and stack examination and repair; structural betterment; cooling systems design and impacts; ash and other waste product utilization; sustainable energy systems; structural design; and electroprocessing of contaminated soils. In addition, there are numerous other sessions on generation, environmental, transmission, and other topics of interest to civil engineers, along with an extensive exhibit hall. A joint ASCE-IEEE luncheon will feature a talk on competition by a prominent utility executive.

This year's American Power Conference will be held April 9-11, 1996 at the Chicago Marriott Downtown Hotel. This national conference welcomes the involvement and ideas of Illinois civil engineers in planning the 1997 meeting. To obtain the 1996 conference program, or to get involved in future meetings, please contact Dr. Robert W. Porter, Director, American Power Conference, Illinois Institute of Technology, (312) 567-3202, FAX (312) 567-3892.

Water Resources Engineer

We seek high quality engineers with hydrologic and hydraulic systems modeling and design experience. Candidates should have strong academic credentials at the Master's level and a keen interest in professional growth and development. Our firm provides a challenging state of the art consulting environment, with high academic standards of achievement and benefits to match. Submit cover letter and resume to: Environmental S/E, Inc., 751 Roosevelt Rd., #110, Glen Ellyn, IL 60137, Attn: M.J. McJilton.



Building
for the
21st century

FOUNDATION

February 8, 1996

Illinois Section

Attn: John L. Carrato, President
203 N. Wabash Ave., Room 1000
Chicago, IL 60601

Dear Mr. Carrato:

The ASCE Foundation office has told me of your gift to our **Building For The 21st Century** Campaign and I want to extend my personal thanks for your commitment to our profession and your generosity to the Society.

The implementation of our new long-range strategic plan, on which so many have worked for more than three years, will mean great changes for civil engineering. From the tools and materials used to educate engineers, to the organization and management of the Society, from the standards of practice to the development of emerging technologies, the future of civil engineering will be profoundly influenced by the re-structuring and re-positioning of the Society now under way.

The creation of our new international headquarters is an indispensable part of our effort to make the Society more responsive to the changing needs of the profession. The new facility will be more efficient and effective in helping us to achieve our goals and it will be fitting as the headquarters of our oldest professional engineering organization.

Your gift will help the Society and its membership realize an important dream. On behalf of the leadership of the Campaign and of the whole Society, let me thank you for your gift.

Sincerely yours,

A handwritten signature in cursive script that reads "Chuck".

C.R. "Chuck" Pennoni
General Chair

Building For The 21st Century Campaign

Michigan's DOT Begins Metric Conversion

To comply with federal policy, the Michigan Department of Transportation (MDOT) selected Alfred Benesch & Company to metricate a variety of MDOT bridge standards. The standards metricated were:

- Bridge Standard Plans and Special Details;
- Bridge Design Guides;
- Road Standard Plans;
- Bridge Design Manual (Chapter 8); and
- Prestressed I-Beam Sheet.

Benesch converted the standards to the metric system per MDOT's requirements and in accordance with current industry practices. During this process, several contacts were made with organizations such as the Concrete Reinforcing Steel Institute, the American Institute of Steel Construction, the American Concrete Institute, the American Association of State Highway and Transportation Officials, and various prestressed beam manufacturers, steel fabricators as well as MDOT's Materials and Technology, Design and Construction Divisions.

More than 95 percent of the products used in construction today will undergo no physical change during the metric transition. Only the dimensions of the product will be

identified in metric units. This is called "soft conversion." The remaining products must undergo a physical change to be efficiently used in metric construction. This is called "hard conversion."

One challenge of this project was assessing the elements for hard conversion or soft conversion. The

Minority Affairs Committee Meeting

The Minority Affairs Committee will meet Wednesday, April 17, at 5:15 p.m. to organize its support for the Summer Engineering Program at the University of Notre Dame and to plan additional activities for the summer and fall of this year. The meeting will be held at the offices of Harza Engineering Company, Sears Tower, 233 S. Wacker Dr., Chicago. All interested parties are encouraged to attend. Those interested in participating in the committee's activities, but unable to attend, should contact Joe Johnson at (312) 831-3821 for more information.

SECTION ACTIVITIES

Geotechnical Group

(Continued from Page 8)

This year's topic is "Current Topics in Tunneling," and four very outstanding, nationally recognized speakers have been scheduled. The lectures are being held from 6:30 to 9:00 p.m. on Tuesday evenings at Kent College of Law, IIT, 565 W. Adams St. (one block west of Union Station), Chicago, Illinois. The cost is still \$125. Full-fee registrants will receive a copy of the symposium proceedings. Single session attendance is \$40 and does not include a copy of the proceedings. Proceeds from this series will fund the annual Geotechnical Group scholarship. The dates, speakers and topics are as follows:

February 27 — G. Wayne Clough, Ph.D., Georgia Tech University, "Innovative Tunnel Projects in San Francisco."

March 12 — Bryan Sweeney, Ph.D.,

standard practice for converting an item is based on the American Society of Testing and Materials, other industry standards and cost implications.

As international standards are developed for more products, American products will be hard converted to those sizes to enhance their export potential.

Dual dimensions should not be used on metric projects. When English measurements are present, readers use them and ignore the metric measurements.

2nd Annual Golf Outing

Everyone had so much fun last year that we decided to do it again! Get ready for IS—ASCE's second annual golf outing, to be held again at Glen Eagles Country Club in Lemont. Proceeds for the golf outing support the minority student program, which sends high school students to engineer's camp for two weeks. The date is **August 21**, so mark your calendars and line up your foursomes.

Structural Group

The main event of the month is the Structures Congress April 15-18. There will not be any dinner meeting in April.

Haley & Aldrich, Cambridge, MA, "Boston Central Artery Project."

March 26 — Wally Baker, Ph.D., Geobase, Inc., Crofton, MD, "Land Subsidence and Grouting for Tunnel Project in London, England."

April 16 — Jim Gould, Ph.D., Muesser-Rutledge, New York City, "Tunnel Disputes in Washington, D.C. and Los Angeles."

Please note: There will be no dinner meetings in March or April due to the 1996 Lecture Series.

May Dinner Meeting

The May dinner meeting will feature guest speaker and former Geotechnical Group Chair Steve Scherer with TCDI, Inc. speaking about Orchestra Hall renovations. Also, Dr. Ray Krizek from N.U., member of the Geotechnical Group at the National level of ASCE, will discuss proposed reorganization of the Group.

CIVIL ENGINEER

Singh & Associates, Inc., a growing transportation engineering firm located in Chicago's Loop, is seeking a qualified and experienced professional for highway drainage studies, geometrics and traffic signal projects. Familiarity with IDOT/ISTHA procedures and hydrologic/hydraulic computer modeling is a must. Working knowledge of Microstation V-5 is helpful.

Please send resume to:

Singh & Associates, Inc.
Suite 322
300 W. Adams St.
Chicago, IL 60606

SECTION ACTIVITIES

Transportation Group

April Dinner Meeting

Mr. James Slifer, Director of Highways, Illinois Department of Transportation, Springfield, will present an overview of the state's ongoing and upcoming transportation program. He will also brief us regarding the High Speed Rail Program and the status of ongoing studies and anticipated schedule.

Date: Wednesday, April 17, 1996

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

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

Cost: \$20 plus cash bar

RSVP: Jack Tone at (312) 787-8150/Fax (312) 782-1684, or Dean Kiesling at (312) 946-7121/Fax (312) 946-7199 by Friday, April 12.

Environmental Engineering & Water Resources Group

EE&WR is in the process of planning two three-day seminars dealing with hydraulic computer models. The first is an advanced FEQ class to be offered at the end of May (see article elsewhere in this Newsletter). The second will be a three-day introductory short course on the U.S. Army Corps of Engineers HEC-RAS (River Analysis System) model. Registrations are currently being accepted for advanced FEQ, while the HEC-RAS class is tentatively planned to coincide with the release of Version 1.5 later this year. Watch this column for future announcement of EE&WR's low-cost version of the HEC-RAS short course.

All interested Illinois Section members are encouraged to participate in EE&WR seminar and conference planning activities, which include arrangements for WRPMD's 25th special conference scheduled for June 6-11, 1998. Meetings of the EE&WR Group are held the second Tuesday of each month.

Date: April 9, 1996

Time: 5:30 p.m.

Place: River Center
Main floor conference room
111 N. Canal St., Chicago

RSVP: Dave Kendall at (708) 574-7707

Associate Member Forum

April (yes, we know it's in May) Meeting

On April 17, 1986, in the small northern Illinois village of Wadsworth, man once again began tearing up the landscape, cutting down and burning the vegetation, and re-routing water ways. However, instead of destroying the wilderness habitat, they were rebuilding it back to its natural form — a wetland. Dr. Donald L. Hey, Director of Wetlands Research, Inc. and Senior Vice President of the Wetlands Initiative, will present the background of the Des Plaines River Wetlands Demonstration Project and discuss its results and impacts to water quality, flood control and wildlife habitation thus far.

Date: May 1, 1996

Time: 5:30 p.m.

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

RSVP: Joe Neal at (312) 565-0450

Urban Planning and Development Group

Concerned about important issues confronting the civil engineering profession in today's market? Come visit our next meeting to discuss these items with civil engineers involved in government, construction, consulting and other disciplines. Please contact John Zimmermann at (847) 823-1688 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: April 18, 1996

Time: 8:15 a.m.

Place: Denny's Restaurant
Oakbrook Terrace, IL

Management Group

For information on the Management Group and its activities, contact Fred Parkinson at (312) 782-8150.

AdComm Meeting

Date: Thursday, April 18, 1996

Time: 5:15 p.m.

Place: Collins Engineers Inc.
165 N. Canal St., Suite 975
Chicago, IL

American Power Conference

For 1996, *The Civil Works Track* offers a compliment of six sessions with common topic linkage to other represented engineering disciplines. The *MGT Committee on Energy* seeks more members.

Date: April 9-11, 1996

Place: Chicago Marriott Downtown

Info: Ed Alsamsam at (312) 269-2055; Bob Porter at (312) 567-3202 has brochures and registrations.

Key Financial, Marketing and Human Relations Practices Seminar

Date: May 2, 1996

Place: Chicago, IL

Info: ASCE Continuing Education at (800) 548-2723.

Niche Marketing by Barry Koren

STEP 3: FORM A CLEAR, CUTTING MESSAGE. One that identifies your position in the market and your clients' mind. One that gets through despite all the competitor noise. Find the message from questions and dialogue. Take a shot at it with statements about the provided service. If it's not right, keep changing it until it mutually works. Once the message is formulated, strengthen it with cosmetic changes to names, pricing and packaging of the offered services. Develop it into a valuable resource.

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.

In Progress — 1996

Geotechnical Lecture Series

The Geotechnical Group, together with IIT, jointly sponsors a geotechnical lecture series every two years.

(Continued on Page 7)