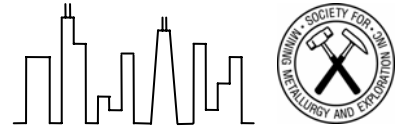


CHICAGO SECTION NEWSLETTER

January 2007



Newsletter of the Chicago Section of the Society for Mining, Metallurgy, and Exploration, Inc. - Founded Spring 1987 – www.chicagosme.org

MEETING: Thursday, February 1, 2007

Topic: *Engineers Without Borders: Who We Are and What We Do*

Guest Speaker: **Jessica Kaminsky, Engineers Without Borders**

Time: 5:30 PM Social Hour
6:30 PM Dinner *Please - We need advance reservations – check the menu below.*

Meeting Location: ***Greek Islands Restaurant***
300 E. 22nd St., Lombard, Illinois

Directions: *Northern and Northwest Suburbs:* Take Route 53 south/I-290 east to the North-South Tollway (I-355) going south. Exit at Roosevelt (Rt 38). Turn left on Roosevelt and proceed East to Highland Ave. Turn South (right) on Highland and proceed to 22nd St. Turn left on 22nd St. and Greek Islands is on your left about one-half block.

Western Suburbs: Take East-West Tollway I-88 east to Highland Ave. exit. Turn North (right) on Highland and proceed to 22nd St. (**past Butterfield Road**). Turn right on 22nd St. and Greek Islands is on your left about one-half block.

Downtown Chicago: Take I-290 west to East-West Tollway (I-88) west toward Aurora. Take East-West Tollway I-88 east to Highland Ave. exit. Turn North (right) on Highland and proceed to 22nd St. (**past Butterfield Road**). Turn right on 22nd St. and Greek Islands is on your left about one-half block.

Southwest Suburbs: Take I-55 to I-355 north one exit beyond I-88 and exit on Butterfield Road. Take Butterfield Road East to Highland Ave. Turn North (left) on Highland and proceed to 22nd St. Turn right on 22nd St. and Greek Islands is on your left about one-half block.

Southeast Suburbs: Take Tri-State Tollway (I-294) north to the East-West Tollway (I-88) exit. Take East-West Tollway I-88 east to Highland Ave. exit. Turn North (right) on Highland and proceed to 22nd St. (**past Butterfield Road**). Turn right on 22nd St. and Greek Islands is on your left about one-half block.

Menu: Service will be family style and consist of gyros, dolmades (stuffed grape leaves), lamb, moussaka, and chicken with Greek potatoes, rice, saganaki and taramosalata. All dinners will come with bread and butter or olive oil, a choice of pastries, and a choice of coffee, decaf and hot tea. A vegetarian plate is available on request.

Cost: \$32 for dinner/meeting for Members, \$35 for Non-Members
Science teachers or professors are considered guests of the Section and will get dinner free.
Students' dinners are \$5.

If you are coming, RSVP; PLEASE before Tuesday, January 30, 2006. Call or email **Agapito Associates, Inc.** at either **630-792-1520 (office)**, **630-240-8730 (Frank's cell)** or **frankatagapito@sbcglobal.net**

From the Chairman:

No Chairman's Corner was available this month.

From the Program Chairman Engineers Without Borders: Who We Are and What We Do

**Guest Speaker : Jessica Kaminsky,
Engineers Without Borders**

Synopsis

The Engineers Without Borders (EWB) motto is *Building a Better World One Community at a Time*. "Humanitarian" and "Engineering" are not two words that you see linked too often, but they should be. Every engineering project is actually a public works project, meant to benefit mankind. EWB is a non-profit humanitarian organization that partners with developing communities worldwide in order to improve their quality of life through the implementation of environmentally and economically sustainable engineering projects. This presentation will discuss the challenges facing EWB as an organization as well as those for specific projects.

Jessica Kaminsky is a civil engineer at CH2M HILL in Chicago. She holds a BSCE from Rice University in Houston, TX. She is currently the president of the Chicagoland Professional Chapter of Engineers Without Borders and has been involved in projects in Guatemala, Honduras, and Mexico.

The Last Meeting:

Don Haas of Haas Global Mining Consulting in Highland Ranch, CO discussed **Valuing Mining and Mineral Projects, Properties, and Plants**. Don stated that financial valuations can be performed for a variety of purposes such as acquisitions and sales, taxes and insurance, financing or corporate re-structuring, and takings or probate proceedings. Consequently a variety of valuation methods are available that are used in different situations. Four valuation methods that Don illustrated were

Comparable Value, Salvage Value, Book Value, and Net Present Value. He listed the attributes of each method and discussed their limitations and strong points. For example, an obvious limitation of the comparable value when valuing mines and quarries is the fact that no two operations, even within a single company, are identical. Hence, Comparable Value is of questionable validity when valuing mines and quarries. Don indicated that the most comprehensive method is Net Present Value.



Don Haas at work



John Head, Continental Placer, Rich Budinger, Hanson Material Service, Mark Krumenacher, GZA, and Thomas Leidinger, recent SIU graduate.



Mario Orozco, Zurich Services Corp., **Don Haas**, and **Stephen Kan**, Weir International.

We had about 20 members and guests, including some infrequently seen members such as Dean Ennis, Peter Curley, and Doug Hermann.

By the Editor

Looking for Speakers for This Year:

The Chicago SME is in the process of scheduling speakers for this year. If you have a subject you are interested in hearing presented, know of someone you would like to have speak to our group, or would like to give a talk yourself, please contact our program chair, **Frank Kendorski** at 630-792-1520 or you can e-mail him at frank@agapito.com.

Staff Vacancy

Agapito Associates, Inc. (AAI), Lombard Office is seeking mining engineers, civil engineers, or geologists to fill a newly-created vacancy. Work involves new mine planning and development, geologic studies, remedial mine ground control, forensic investigations, and subsidence engineering. Travel and underground work required. AAI offers competitive salary and benefits, and is employee-owned. All inquiries will be held in the strictest confidence. Contact **Frank Kendorski** at 630-792-1520 or frank@agapito.com. www.agapito.com.

Contributed by Frank Kendorski

Vacancy: General Manager of a Mining Company in Quebec.

A headhunter is looking for candidates interested in a position as General Manager of a mining company in Quebec. Interested, qualified persons please email Section member Dave Dopp at dmdo@juno.com with your contact information. He will forward the names to the headhunter, Matt Skalski.

Contributed by the Editor

SUPPORT FOR CENTRAL GREAT LAKES MAPPING COALITION

The Illinois State Geological Survey, as a member of the Central Great Lakes Geologic Mapping Coalition (CGLGMC) (which includes the state geological surveys of Illinois, Indiana, Michigan, and Ohio, as well as the U.S. Geological Survey), has been working with our Congressional Delegations since 1999 to increase the geologic mapping effort, expand the geologic map coverage, and develop more geologic map products in Illinois and the other CGLGMC states. They are asking that users of their maps and mapping services write a letter to your Congressman and Senators in support of the Coalition's request of Congress for \$5 million for 1:24,000-scale, 3-D geologic mapping in those four states. The ISGS would receive about \$1M of that amount. The CGLGMC currently receives \$500,000/yr, which is split between the four states and the USGS. At this minuscule funding level, it will take several hundred years to complete the geologic mapping required for today's needs.

ISGS published maps are available on line at:

<http://www.isgs.uiuc.edu/online-maps/geomapping/geomapping.htm>

If you would be willing to write letters, ISGS will send you a digital draft letter to customize and send to your Congressman and our Senators. (ISGS will supply addresses as well.) ISGS needs to mobilize as much local stakeholder support as possible this budget season in order to increase their appropriation. ISGS efforts to gain political support and to increase their funding for geologic mapping are now entering its 8th year. The Coalition has have political support; however, financial support will only come if there is visible support from stakeholders, that is, consultants and other geological professionals who use the geologic maps and expertise from ISGS to make decisions. A letter from you is extremely important for the growth of ISGS' geologic mapping program in Illinois.

Note from the Editor: I have already sent the letters. The contact person at ISGS is Steve Wald at Wald@isgs.uiuc.edu.

UPCOMING MEETINGS & EVENTS

For your schedules:

University of Florida's Geotechnical Instrumentation Course, March 18-20, 2007, Hilton St. Petersburg Bayfront Hotel, St. Petersburg, Florida.

The course director is John Dunnycliff. For full course information and arrangements and for registration, please visit <http://www.doce-conferences.ufl.edu/geotech/>.

NEWS TO USE

Kennecott Gets Eagle Permits

The Michigan Department of Environmental Quality (MDEQ) has advised Rio Tinto subsidiary **Kennecott Eagle Minerals** that it will announce its proposed approval of the Eagle nickel-copper mine in Marquette County, Michigan.

Under Michigan law a proposed approval for a hard-rock mine by the State goes out for a period of public consultation before the State issues a final decision on permitting. During the consultation period, the State will also be considering public comments on permits for air and water discharges.

The permitting process, the first under Michigan's new nonferrous-metal mining law, has delayed Eagle by about a year compared with original plans. Kennecott is now working to a late-2007 schedule to begin construction of the mine, with production startup planned in 2009.

Eagle, discovered in 2002, is a massive to semi-massive magmatic sulphide deposit with an indicated resource of 3.6 million tonnes grading 3.8% nickel and 3% copper, with 0.8 gram platinum, 0.5 gram palladium and 0.3 gram gold per tonne. Another 500,000 tonnes of inferred material grades 2.2% nickel and 2.2% copper plus 0.4 gram platinum and 0.3 gram palladium per tonne, and an inferred low-grade resource in the peridotite host rock contains 8.1 million tonnes grading 0.5% nickel and 0.4% copper.

Kennecott had no plans to build a mill at Eagle because permitting one in an area used heavily for recreation would have been overly difficult. (The mill and the resultant potential environmental problems with tailings and acid runoff were the principal problems at Crandon.) Instead, it will have the ore custom-milled, probably at **Xstrata's** (formerly Falconbridge's) Kidd Creek operation in Timmins, Ont.

The mine is anticipated to produce 2,000 tonnes per day and employ about 120 people when in production. Kennecott plans to develop via a decline and have limited surface facilities. Wasterock will all be returned to the mine as backfill.

Extracted from The Northern Miner, January 10, 2007, and modified by the Editor.

New MSHA Rules

On Friday, September 8, 2006, MSHA published a proposed rule in the *Federal Register* to amend its civil penalty regulations. This proposed rule increases penalty amounts and implements new requirements of the Mine Improvement and New Emergency Response (MINER) Act of 2006. The proposal will also revise procedures for proposing civil monetary penalties to improve the efficiency and effectiveness of the civil penalty process. The text of the new rule can be found at the following link:

<http://www.msha.gov/REGS/FEDREG/PROPOSED/2006PROP/06-7512.PDF>

Contributed by Rick Ackermann

IDNR Happenings

The IDNR Reclamation Awards Program

The purpose of the program is to recognize outstanding achievements in reclamation and increase public awareness of the mining industry's efforts to protect the environment. Applications for the IDNR Reclamation Award Program are available at the Office of Mines and Mineral's web page at

<http://www.dnr.state.il.us/mines/lrd/forms/LRDAWARD.pdf>

More information or hard copies of the forms can be obtained from Linda Hiltabrand of the IDNR at 815-481-2201. Two completed application packages are due on or before October 1, 2007.

Linda says, "We were quite disappointed that no one applied last year. I'm sure there are some worthy reclamation projects out there!"

MSHA Spring Thaw - State Grants Safety Conference, March 6-7, 2007

The MSHA Spring Thaw - State Grants Safety Conference will be held March 6-7 at Starved Rock Lodge in Utica. This conference is for mine operators, supervisors, safety representatives and associated contractors. The \$30 conference fee includes coffee, soft drinks, continental breakfast, lunch and an evening reception. Registrations are due to Mary Jane Summers by **Feb. 6**. Call 618/439-9111 ext. 228 for registration and further information.

IAAP Teachers Workshop, July 16-18

The PIE Committee was in Peoria Nov., 2-3 for the IL Science Teachers Association convention to promote the upcoming IAAP teachers workshop will be held July 16-18 at the Cliffbreakers Resort in Rockford. **Please encourage teachers from your community to register.** Information plus teacher and sponsor registration forms may be found at:

<http://www.iaap-aggregates.org/workshop.htm>

Contributed by Linda Hiltabrand, IDNR

IDNR Changes E-Mail Address Format

The State has changed the format of the IDNR email addresses. The old ones will work for about a year, but you might want to change your listings now. The format below will allow you to reach any employee.

firstname.lastname@illinois.gov

For example to e-mail Linda Hiltabrand of the IDNR in Peru the new address is:

linda.hiltabrand@illinois.gov

The office address for Peru is now:

IDNR-Office of Mines & Minerals

1825 Baker Lane, Suite A

Peru, IL 61354

815/223-9422; cell: 815/481-2201

Information Provided by Linda Hiltabrand

Blast from the Past

The photos below are from our March 1992 Meeting. How many can you name?

Answers: photo 1: unknown, Joe Reilly, Lyndon Dean, and Walt Leszczyszyn;

photo 2; Madan Singh (cutoff, at left), Art Pincomb, John Head, and Al Shapiro; and



photo 3: unknown, Kip Smith, Joe Reilly, Pete Curley, and unknown.

Agapito gets Frozen at Valmeyer

On January 9, **Frank Kendorski** and **Doug Hambley** traveled to Valmeyer, Illinois to inspect the roof of the rooms and cross-cuts at the Rock City Storage Facility operated by the City of Valmeyer. The request for the inspection came to Agapito Associates, because Frank had done a roof support study for the City in 2004 prior to the commissioning of the storage facilities.

Frank and Doug met the City Administrator at his office on the morning of January 10 and proceeded to tour the underground facility (a former limestone mine) with him and two employees of the City who maintain it. The highlight of our visit was the inspection of the freezer facility, where frozen pizza is stored on shelves to a height of about 25 feet above the floor. The temperature in the freezer rooms is a tropical -10°F. Luckily, your

intrepid inspection team had been warned to bring warm clothes!.



Frank freezing his butt at Rock City!



Doug taking note of the cold!!



Pizza anyone??



A bolted back outside the freezer.



A typical pillar.

2006-2007 Chicago Section SME Officers

Chairman	H. John Head Continental Placer, Inc. Wheaton, IL 630-407-0800 x 103 Fax 630-407-0799 jhead@continentalplacer.com	Program Chairman	Frank Kendorski Agapito Associates, Inc. Lombard, IL 630-792-1520 Fax 630-792-1580 frank@agapito.com
Vice-Chairman	Gord Stevens Civil & Engineering Consultants, Inc. Downers Grove, IL 630-963-6026 Fax 630-963-6027 gstevens@cecinc.com	Newsletter Editor	Doug Hambley Self employed Wheaton, IL 630-221-9882 Fax 630-456-4051 dfhambley@comcast.net
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Treasurer	Brad Renwick Civil & Engineering Consultants, Inc. Downers Grove, IL 630-963-6026 Fax 630-963-6027 brenwick@cecinc.com	SME Section Representative :	John Magyar International Mining Services Belvidere, IL 815-547-9211 Fax 815-547-8552 imsjjm@aol.com
Membership	vacant	GEM Coordinator	Anne Leslie Raimonde Drilling, Inc. Chicago, IL

SME Chicago Section Membership Dues Form - NOTE: You do not need to be a national member to join the local section. To become a member of SME at the national level, please join at www.smenet.org or get an application from Gordie Stevens.

NAME: _____

AFFILIATION: _____

ADDRESS: _____

E-MAIL: _____ @ _____

DAYTIME TEL. NUMBER: _____

SPONSOR'S NAME: _____

STUDENT _____ **RETIRED** _____

Make Check for \$20.00 (\$10.00 for Student or Retired) out to "Chicago Section – SME" and mail to: Brad Renwick, Treasurer, Chicago Section of SME, Civil & Environmental Consultants., 3041 Woodcreek Drive. Suite 210, Downers Grove, IL 60515

NEXT MEETING
Thursday, February 1, 2006

Engineers Without Borders: Who We Are and What We Do

Jessica Kaminsky,

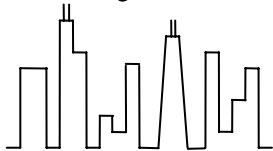
At
Greek Islands

Located at
300 E. 22nd St, Lombard, IL.

Doug Hambley
Newsletter Editor, Chicago Section SME
1404 Childs St.
Wheaton, IL 60187

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