



Notre Dame Chapter

The Link Newsletter

Notre Dame Chapter

A 5-Star Chapter



Visit us at:
WWW.ASM-ND.ORG

MEETING – APRIL 18, 2006

The Notre Dame Chapter's April general membership meeting will feature installation of next year's officers and special honors for those achieving membership milestones. We'll dine Polish style on Wedding Buffet specialties, and top the evening off with Rick Rateick's presentation on corrosion electrochemistry. Here are the details:

Officer installation: Jim Hendricks, Chairman; Randy Griffith, Vice Chairman; Tim Conrad, Secretary; and Rick Gordon, Treasurer. Board Members: Bob Merryfield, Sally Zwonitzer, Larry Lapp, Rick Rateick, Jim Chan, and Dave Coulston, all elected by unanimous ballot at the March membership meeting.

Honorees: Heather Waterson, De Puy, 5 years; Elson Fish, Polygon, 15 years; Nancy Norton and Tom Popovic, 25 years, and Neil Silver, Life Member. All five will not only receive awards, their dinner will be free.

Lecture: Chapter member Rick Rateick, a P.E. at Honeywell and an amateur industrial historian, will speak on "Corrosion Electrochemistry." Rick will present modern electrochemical theory in qualitative terms to support materials decision making. The fun part is how we got there. About 100 years ago, experiments showed measurable and repeatable results in pitting, galvanic, and crevice corrosion. Each corrosion type had its own rules of thumb, but eventually a modern all-encompassing theory emerged. Learn why it all works in an anecdotal and entertaining way. And Rick loves to take questions!

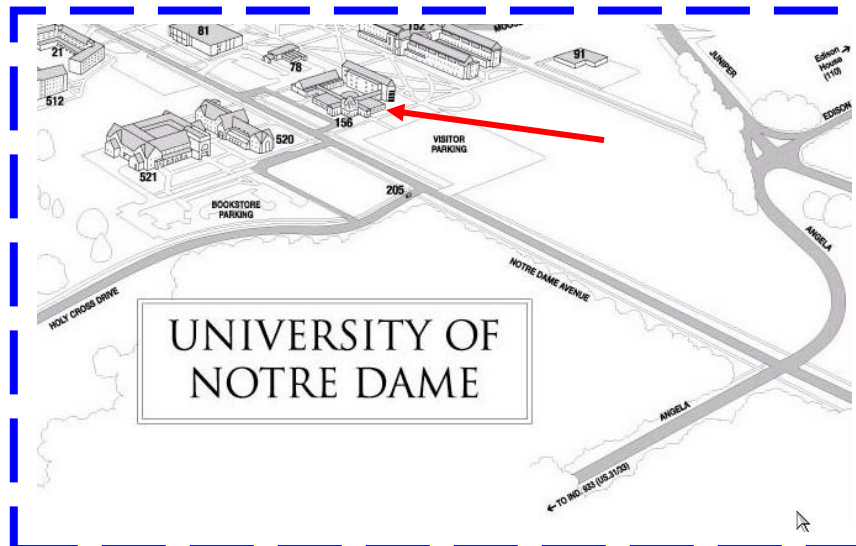
Date: April 18, 2006
Time: 6:00 p.m. (EST)
Location: Greenfield's Restaurant
Hesburgh Center
Notre Dame
Parking: Just South of the Hesburgh Center, cost is \$0.50
Price: \$20.00 per person

Dinner selections:

Hope Dyngus Day (Easter Monday, a traditional Polish holiday) hasn't worn you out, because all the festive goodies - kielbasa, sauerkraut, you name it - will be offered on the buffet table. Cash bar will be available. If you starve, you have only yourself to blame.

To make reservations:

Phone Jim Hendricks at 574-532-9237 (e-mail: James.Hendricks@amgeneral.com), or call Jon Oram at 574-236-5161 (e-mail: jono@steelwarehouse.net) by April 14.



Chapter Officers: Jon Oram – *Chairman* (574) 236-5161; Jim Hendricks – *Vice Chairman* (574) 532-9237; Lori Culver – *Secretary* (269) 923-3855, Walt Hornberger – *Treasurer* (269) 683-5208; Charles Parker – *Past Chairman* (574) 231-2810;
Board Members: Ed Cataldo, Jim Chan, Rick Gordon, Frank Metelka, Larry Lapp, Rick Rateick

May Social Event

"Take me out to the Ball Game"
--South Bend Silver Hawks--

Yes, we say May, but the date we are zeroing in on is June 2. We plan to get an "Upper Deck" room for members and families at a South Bend Silver Hawks baseball game. Depending on level of interest and turnout the cost including food would be in the \$25-35 range per person (it drops with increasing attendance.) So what you need to do is to phone (574-293-7511) or e-mail (llapp@ctscorp.com) Larry Lapp to indicate your level of enthusiasm. A complete writeup will be in the next "Link." Batter up!

April Educational Seminar

There are two additional pages in this e-mail detailing the seminar – scope, cost, logistics, and location. Check it out, but remember:

Cost of Seminar = **\$185**

Students under age 29 = **\$95.**

Student scholarships are available.

Contact: Rick Gordon 574-273-1470 or e-mail
rgordon@baoanusa.com

Next Board Meeting
Tuesday, May 2, 6:00 P.M.
Mister Moo's Restaurant
3101 Lincolnway West, South Bend
(574) 233-6722

Last Meeting – March 21, 2006

Our March general meeting featured a tour of Lock Joint Tube following an overview given by Terri Schmeltz, Sales Manager. To produce welded tubing, the coiled sheet steel is formed into a round cross-section, welded, weld flash removed, and shaped to final geometry (rectangle, square, etc.) before being cut to length and packaged. Of special interest was the mechanism for nearly continuous production and the "mini-labs" that allow operators to properly judge weld quality at initial setup. The tour was followed by enthusiastic questions that spilled over into the dinner at nearby Maxi's Barn. After dinner, our Chairman introduced our esteemed Past Chairmen - Jim Cooke, Joe Eads, Walt Hornberger, Charlie Parker, Gene Pendl, and Rick Rateick - to much applause.

Chairman Oram thanked LJT employees Joe McGee, Dave DiTommaso, and ASM-ND's own Dave Haghiri, who served as plant tour guides. They were presented with the last of our official and ceremonial chapter coffee cups. We hope we'll get to see Dave again! The membership approved the list of Officer and Board nominees, who were elected unanimously. Next year's leadership will include Jim Hendricks, Chairman; Randy Griffith, Vice-Chairman; Tim Conrad, Secretary; Rick Gordon, Treasurer, and Board members Jim Chan, Dave Coulston, Larry Lapp, Bob Merryfield, Rick Rateick, and Sally Zwonitzer. Thanks to all who agreed to serve. Installation of officers will be in April and they all should attend the May Executive Board Meeting, time and place to be determined.

A drawing was held for tickets to the Spanish Gourmet Dinner at IVY Tech on 3/31, won by Matt Guisbert and Jim Chan. The next meeting will be at Greenfield's at Notre Dame with corrosion electrochemistry the topic du jour. After everyone was reminded of the upcoming seminar, the meeting was adjourned.

Invitation: ASM Notre Dame Chapter Scholarship

Deadline to send in Scholarship applications is April 29, 2006

The ASM Notre Dame Chapter offers annual undergraduate scholarships to children of chapter members, for study in materials or materials-related fields. The scholarship is for one year and is renewable. The minimum scholarship is \$500. We encourage all qualified children of chapter members to apply. The application is at <http://www.asm-nd.org>

To improve our delivery of the LINK to you, and reduce our postal costs, please provide a current e-mail address to the Chapter Secretary, Lori Culver, at Lori_C_Culver@Whirlpool.com

Chapter Officers: Jon Oram – *Chairman* (574) 236-5161; Jim Hendricks – *Vice Chairman* (574) 532-9237; Lori Culver – *Secretary* (269) 923-3855, Walt Hornberger – *Treasurer* (269) 683-5208; Charles Parker – *Past Chairman* (574) 231-2810;
Board Members: Ed Cataldo, Jim Chan, Rick Gordon, Frank Metelka, Larry Lapp, Rick Rateick

Material Characterization Techniques

A full-day seminar presented by

John Giles, Honeywell Aerospace

Nick Bulloss, Honeywell Aerospace

Sponsored by ASM International, Notre Dame Chapter

<p>Course Date: April 19, 2006 9:00 a.m. to 4:00 pm</p> <p>Course Location: Ivy Tech State College 220 Dean Johnson Blvd. Room 2152 South Bend, Indiana 46601-3415</p> <p>Course Cost: \$185 Full-time students* \$95</p>	<p>Course topics:</p> <ol style="list-style-type: none"> 1. General Principles of Analysis 2. Proper Sequence of Techniques 3. Do's & Don'ts of Sample Acquisition/Handling 4. Analytical Techniques, including: SEM/EDS, WDS, EPMA, EBDS, TEM, AES, ESCA/XPS, SIMS, XRD, XRF, FTIR, SAM, AFM
--	--

Who should attend:

Anyone concerned with characterization of materials. Anyone in material development or failure analysis. Managers who have staff performing material characterization. Technicians working in materials labs desiring exposure to other techniques they don't usually use.

What you will learn:

- **The purpose of this class is to provide an overview of various material characterization techniques, concentrating in the areas of electron optics, surface analysis and atomic scale probes including**
 - Description and overview of techniques
 - Sample requirements
 - Examples of data output
 - Pro's & Con's of individual techniques
 - Practical examples of use

About the instructors

John Giles is an Engineering Group Leader with Honeywell International. He has a BS in Materials Science & Engineering from the University of Florida and has over 19 years experience in working with aerospace materials and materials characterization techniques. Areas of expertise include electron microscopy, failure analysis, corrosion, materials characterization techniques, materials selection, applications engineering and precision cleaning processes.

Nick Bulloss is a Metallography Laboratory Manager in the Honeywell Engineering Test Services Organization. Nick has a PhD and BSc in Geology and an MSc in Geochemistry. Nick has worked in material characterization for 15 years, including the chemical and structural characterization of geological, medical, fiber optic and aerospace materials. Nick specializes in electron optic and x-ray microanalytical methods including scanning electron microscopy, EDX, WDX, electron microprobe analysis and electron backscatter diffraction (EBSD).

Registration form:

Send to: C. Richard Gordon, Baoan International Investment Co., Ltd., 15452 Bryanton Ct., Granger, IN 46530

Phone: 574-273-1470, e-mail: rgordon@baoanusa.com

Please register me for the Material Characterization Techniques Course, sponsored by ASM International, Notre Dame Chapter.

Please make checks payable to: ASM Notre Dame Chapter

Name:		Company:		
Address:		E-mail:		
City:	State	Zip	Course Fee:	\$

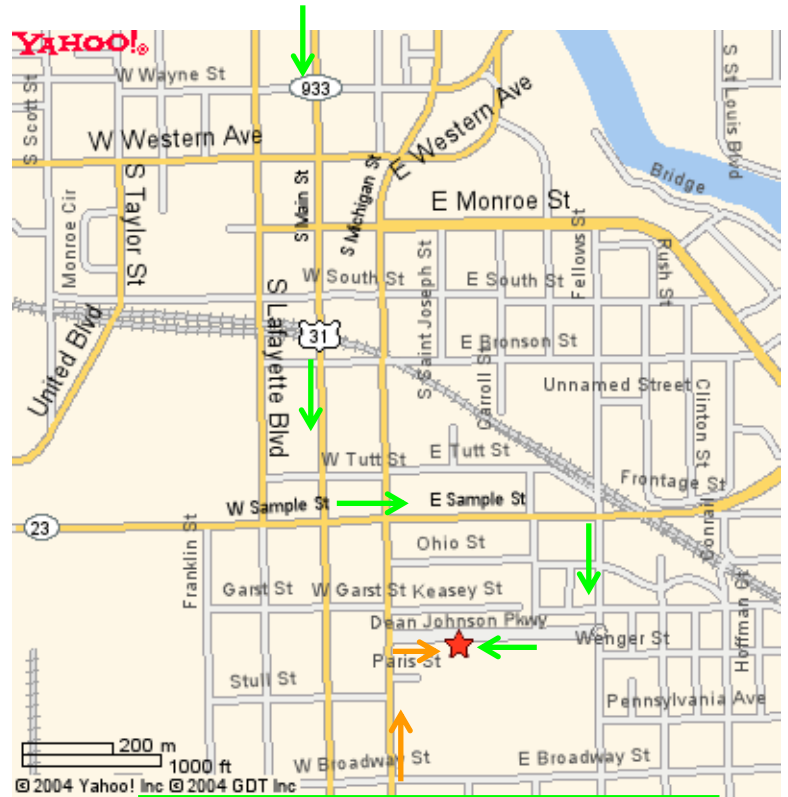
Fee: \$185

*Full-time students (with ID, under 29 years of age) \$95

Chapter Officers: Jon Oram – *Chairman* (574) 236-5161; Jim Hendricks – *Vice Chairman* (574) 532-9237; Lori Culver – *Secretary* (269) 923-3855; Walt Hornberger – *Treasurer* (269) 683-5208; Charles Parker – *Past Chairman* (574) 231-2810;

Board Members: Ed Cataldo, Jim Chan, Rick Gordon, Frank Metelka, Larry Lapp, Rick Rateick

Directions to Ivy Tech State College:



From the South, follow business 31 to Dean Johnson Blvd. Turn right and right again into the parking lot.

From the Indiana East-West Toll Road, I 80 / I 90. Take exit 77. Follow US 933 also business 31 south, to Sample Street. Left (east) to Fellows St. Right (south) to Dean Johnson Blvd. Right (west) and then left into the parking lot.