



Notre Dame Chapter

The Link Newsletter

A Five Star Chapter



October Meeting

A HISTORY OF COPPER AND WIRE DRAWING: THE PAST 11,000 YEARS AND BEYOND

October 16, 2007

The second meeting of the Notre Dame Chapter of ASM International for the 2007 – 2008 season will feature this presentation by Dr. Horace Pops.

Dr. Pops is president of Horace Pops Consulting, Inc., in Fort Wayne, IN. He was previously director, Metals Laboratory, at Superior Essex in Ft. Wayne, and is a prominent researcher in the nonferrous wire industry. This talk summarizes important developments that have occurred in the mining and subsequent manufacture of copper rod from 9000 BC until the present time. Continuous rod production is discussed from a metallurgical perspective. Likewise, a brief historical review is given of important wire drawing events dating back several thousand years. Finally, predictions concerning the future of the wire and cable industry are presented. It promises to be both educational and very entertaining. We hope to see you there!

To improve our delivery of the LINK, and reduce our postal costs, please provide a current e-mail address to the Chapter Secretary, John Ullman (john.ullman@honeywell.com)

Date: Tuesday October 16, 2007

Meeting Time: 6:00 PM Social, 6:30 PM Dinner, 7:30 PM Presentation

Meeting Location: Maxi's Food & Spirit Barn, 114 W. Ireland Rd., South Bend, IN (see directions on page 2 and maps on page 3).

Dinner Choices:

- 12 ounce New York Strip Dinner
- Twin Chicken Breast with Rice and Salad
- Lake Perch Dinner

Cost: \$20 (includes soft drink)

To Make Reservations: RSVP by October 12: Ph. (269) 982-2266 or mailto:david_coulston@leco.com (david_coulston@leco.com)

Materials Musings

This month's topic: *medical connections*



What was the profession of Europe's first serious metallurgist (Georgius Agricola)? No, he wasn't a farmer...he was a doctor!

What is a treatment for poison ivy rash? Zinc-rich calamine lotion.

Quick reactions between steel and the oils in your skin produce "smelly" chemicals like aldehydes. That "iron" smell you get from handling steel isn't iron at all...it's you!

Meeting Schedule for the 2007 to 2008 Year

The meeting schedule for the year can be found at the ND Chapter home page (note that we have a new domain name: our address is now <http://www.nd-asm.org>).

Next month's meeting will be held on November 13, 2007. The topic is: **The History of Stellite**. The dinner location is TBD, but most likely a restaurant in Elkhart or Goshen.

September Meeting Review

Our tour of Manufacturing Technology, Inc.'s South Bend facility was made enjoyable and informative by our tour guide, Dan Kuruzar. Dan showed us the wide range of products processed in MTI's contract welding operation and the huge friction welding machines that MTI offers to customers around the globe. Due to market forces, MTI's expertise, and their innovative outlook, MTI's scope and volume of business has expanded greatly since the Chapter's last visit just a few years ago. Thanks to our ex-Chapter Chair (Dan) for a successful opening meeting!

Driving Directions to Maxi's Barn

From the 20/31 Bypass

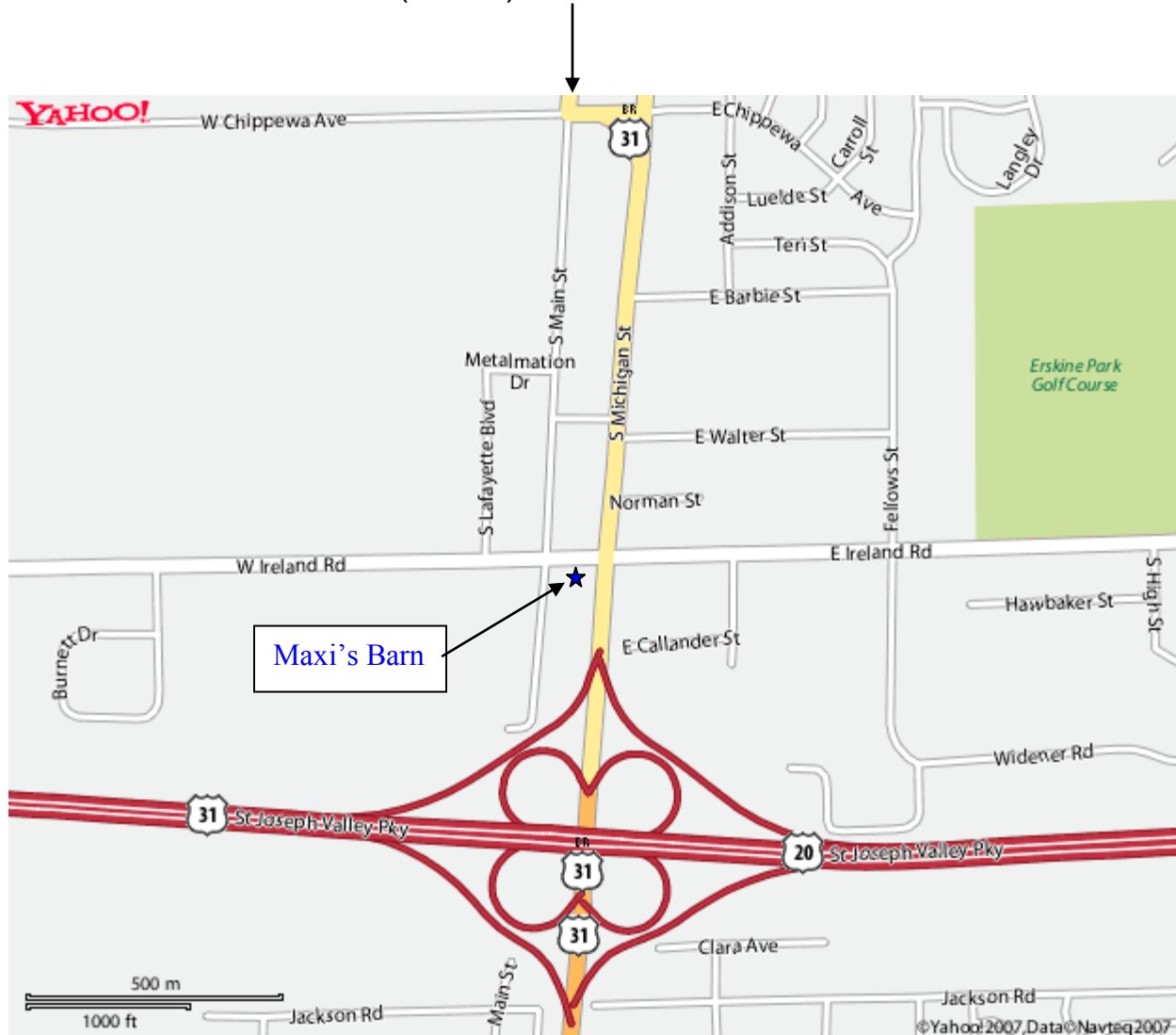
1. Take Business Route 31 (S. Michigan St.) north about 300 yards to Ireland Rd.
2. Turn west (left) on Ireland Rd. and immediately left into Maxi's parking lot.

From Downtown South Bend

1. Take South Main St. (Bus. Route 31) south.
2. Jog east on Chippewa Ave 1 block to South Michigan St. and then continue south to Ireland Rd.
3. Turn right onto Ireland Rd. and immediately left into Maxi's parking lot.

(See Map on Next Page)

South Main (BR 31) From Downtown South Bend



Chapter Officers: Randal Griffith – *Chairman* (574) 231-2807; Dave Coulston - *Vice Chairman* (269) 982-2266; John Ullman – *Secretary* (574) 231-2859, Rick Gordon – *Treasurer* (574) 272-9209; Jim Hendricks – *Past Chairman*, Al Miller – *Student Advisor*; **Board Members:** Walt Hornberger, Bob Merryfield, Rick Rateick, Tim Conrad