



# Milwaukee Section Newsletter

September 2010

[www.milwaukeeesae.com](http://www.milwaukeeesae.com)



**P&H Mining Equipment Inc.**  
A Joy Global Inc. Company



**Milwaukee, WI**  
**Wednesday September 29th, 2010**

***TOUR OF PRODUCTION/ASSEMBLY &  
TECHNICAL PRESENTATIONS***

**P&H Mining Equipment** is a leading supplier of equipment and service support to the global mining industry. Based in West Milwaukee, P&H designs, manufactures and supports a product line that includes electric mining shovels, blast hole drills, walking draglines, and soon, in-pit crushing-conveying systems for surface mining operations.

*\*\* Be sure to read the safety requirements on page 4 if you plan on taking the tour \*\**

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P&H products are applied in nine out of ten major mining operations worldwide for the production of minerals and energy sources that include copper, coal, iron ore, petroleum (oil sand), gold, phosphates and diamonds.

West Milwaukee serves as the home base of operations for P&H Mining Equipment, which employs 3,200 people worldwide, including 1,000 in the Milwaukee area. A broad range of service support for mining operations that invest in P&H equipment is provided by a global network of P&H MinePro Services employees.

P&H recently observed its 125th anniversary, having been founded on December 1, 1884 by industrial artisans Alonzo Pawling and Henry Harnischfeger who operated a small machine and pattern shop in the "Walker's Point" neighborhood on the South Side of Milwaukee. Their business began as a supplier of components and service support for large industrial firms in Old Milwaukee before Pawling and Harnischfeger began to design and build their own line of overhead bridge cranes in 1887.

A "bank panic" in 1893 caused Pawling & Harnischfeger to expand upon their industrial cranes line, and by the Roaring 20s, there emerged the first of a long line of best-in-class excavating equipment bearing the "P&H" trademark.

P&H is well positioned to serve the mining industry today and well into the future as our global economy transitions from meeting the needs of 6.8 billion minerals and energy consumers today to an estimated 8.5 billion consumers 30 years from now.

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## Biographies:



**Dave Cisler** manages P&H AC and DC drives and controls development in his role as Manager, Systems Engineering for P&H Mining Equipment. He applies over three decades of industrial equipment drives and controls engineering experience in that role. Dave earned his BSEE degree from Marquette.



**Joe Colwell** serves as Manager of Mechanical Systems engineering within the Product Engineering operations of P&H Mining Equipment. He applies nearly 20 years of mechanical systems engineering experience to the continuing evolution of industry-leading P&H excavators. Joe earned his BSME from Marquette University in 1991 and his MSME from Marquette in 2000.

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### --- EVENT AGENDA ---

<b>Registration &amp; Tour</b>	<b>4:30 pm (P&amp;H)</b>
<b>Dinner:</b>	<b>6:00 pm (Conejito's)</b>
<b>Presentation:</b>	<b>7:00 pm (Conejito's)</b>

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### --- DINNER ---

#### **DINNER PRICES:**

<b>SAE Members / spouses:</b>	<b>\$10.00</b>
<b>Retirees:</b>	<b>\$5.00</b>
<b>Guests / Non-members:</b>	<b>\$15.00</b>
<b>SAE Students w/ID</b>	<b>\$5.00</b>

## Directions to P&H

**P&H Mining Equipment:** 4400 W. National Ave., Milwaukee, WI 53214

### **From North (Green Bay)**

I-43 South;  
Exit #72D/Madison onto I-94 West;  
Left Exit #308B/Miller Park Way;  
Left on W. National Avenue  
Right on Old 43<sup>rd</sup> to Parking Lot

### **From South (Airport / Chicago)**

Follow I-94 West (Northbound);  
At the Marquette Interchange, continue on I-94 to  
Madison;  
Left Exit #308B/Miller Park Way;  
Left on W. National Avenue  
Right on Old 43<sup>rd</sup> to Parking Lot

### **From West (Madison)**

I-94 East;  
Right Exit #308B/Miller Park Way;  
Left on W. National Avenue  
Right on Old 43<sup>rd</sup> to Parking Lot

### **To Conejito's**

Turn **LEFT** out of the parking lots onto National Ave.;  
Turn **RIGHT** on Miller Park Way;  
**EXIT** Miller Park and turn **RIGHT**;  
Go past the parking lots and follow Canal St. to 6<sup>th</sup> St.  
Turn **RIGHT** and go 2 blocks past the roundabout.



## **- - - DINNER - - -**

**Conejito's Place – Mexican Food - 539 W. Virginia St., Milwaukee, WI (414)278-9106**

**Menu Choices (Choice must be made during registration to avoid long delays at the restaurant).**

1. 3 Chicken Enchiladas with Rice & Beans
2. 2 Steak & 2 Chopped Meat Combo Tacos
3. Dark Meat Chicken Mole with Rice, Beans, & Tortillas

## **Registration:**

Only pre-payments made with a **charge card** can be completed online via <http://www.milwaukeeesae.com>

Retirees, students and members without web access may register by phone on the SAE Registration Coordinator – Jim Ryan (262) 636-1634. MAX ATTENDANCE for this event is 150.

Registration deadline: **Monday September 27th, 12:00 p.m.**

**\*\* For appreciated security reasons, please share your company's name when registering \*\***

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# **P&H Tour Safety Requirements:**

We want to make sure that you have an enjoyable and safe visit.

*As a result, we need you to follow several safety requirements while you are on our property:*

1. Safety glasses with side shields **must be worn at all times** (even outside) P&H will provide.
2. **No** open toed or open backed shoes are allowed in the factory.
3. **No** photos allowed (Please leave your camera phone in the car, just to be safe).
4. This will be a walking tour.
5. You **must** stay within the marked aisles (only those with steel toed shoes can cross the yellow lines).
6. Ear plugs **are required** in the Heat Treat, Plate Processing and Large Weld buildings. P&H will provide. Signs are on the doors and your tour guide will remind you to put your ear plugs in.
7. We make large components. Be aware of moving fork trucks, overhead cranes, etc. It is the operator's job to watch out for you, but it is always advisable to be aware of your surroundings and stay out of the way.
8. If you happen to get any chips in the soles of your shoes, **DO NOT** use your fingers to remove them! Use a pen, nail file, etc., but not your fingers.
9. When you are in a welding area, **DO NOT** stare at the weld arcs.

## **Thank you**

Please help us in thanking P & H Managers: John Seibold, Dan Schlegel, Dan Buehl and Chris Kaiser for their generous contributions and leadership, as well as the many others from P & H assisting with this event.

*\*\*A special testimony: John Seibold had been a SAE Member, until a few years ago. His renewed interest and motivation for this event and for our Section, has prompted him to re-join. Thanks again!*

## *Upcoming SAE Programs:*

<i>September 2010</i>	
<b>SAE Virtual Career Fair</b> Individuals can register at <a href="http://www.sae.org/careers/virtual/index.htm">http://www.sae.org/careers/virtual/index.htm</a> Wednesday, September 15, 2010 7am-5pm PDT / 10am-8pm EDT / 2pm-Midnight GMT (Dale Wiza will present here)	<b>Small Engine Technology Conference</b> September 28-30, 2010 University of Linz, Linz, Austria Co-organized by JSAE and SAE International
<i>October 2010</i>	
<b>SAE 2010 Commercial Vehicle Engineering Congress</b> October 5-6, 2010 Donald E. Stephens Convention Center Rosemont, Illinois, USA (Dale Wiza will be conducting a resume clinic here on Wed., from 2-4 p.m.)	<b>SAE 2010 Brake Colloquium and Exhibition - 28th Annual</b> October 10-13, 2010 Sheraton Phoenix Downtown Hotel, Phoenix, Arizona, USA
<b>SAE Convergence 2010</b> October 19-20, 2010 Cobo Center, Detroit, Michigan, USA	<b>U.S. National Electric Vehicle Safety Standards Summit</b> October 21-22, 2010 Cobo Center, Detroit, Michigan, USA Hosted by SAE International and the National Fire Protection Association
<b>Briggs and Stratton (SAE Milwaukee Event)</b> Wednesday October 20, 2010 Briggs and Stratton, Milwaukee, WI	<b>SAE 2010 Powertrains, Fuels and Lubricants Meeting</b> October 25-27, 2010 San Diego, California, USA
<i>November 2010</i>	
<b>Student Night (SAE Milwaukee Event)</b> November 16, 2010 UW-Milwaukee, Milwaukee, WI	
<b><i>December 2010 – Enjoy the Holidays!!!</i></b>	

### **October 16<sup>th</sup> Section Meeting – Briggs and Stratton**

The SAE Milwaukee Section meeting for October will be held at Briggs & Stratton Corporation's Corporate Office Auditorium at 12301 W. Wirth Street, Wauwatosa, Wisconsin 53222. The meeting date will be Wednesday, October 20, 2010. Registration and tour of the museum will be from 4:30 to 6:00 PM. Dinner will be buffet style from 6:00 to 6:45 PM. Presentations will start at 7:00 PM.

Presentations will be given on the development of the new OHV lawnmower engine models for 2011, the new single cylinder Vanguard engine models that have just gone into production, the new professional series V-Twin engines with Electronic Fuel Management and cyclonic air cleaners that have just gone into production and a brief presentation on the Engine Application Center.

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## Job Postings



### **Mequon, WI - HB Performance Systems Inc**

#### **NVH Specialist**

This key position at HB is intended to expand our product development capability as well as improve the quality and performance of all HB manufactured or purchased products.

Primary role is to support product design engineers in predictively avoiding NVH issues early in the development process. Secondary role is to lead response and solution creation options when unexpected NVH issues surface. Functionally, this role also has responsibility to continuously assess, evaluate, and benchmark existing versus available NVH equipment, tools, and software as part of the ongoing management task of developing and managing an HB NVH technology roadmap and budget.

This position would require both a Bachelors and Masters Degree in Mechanical Engineering, or another related field. Demonstrated experience and understanding of hydraulic braking system NVH and noise abatement. Hands on experience with NVH lab testing equipment, data acquisition, and noise analysis equipment, software and simulation tools. Ability to perform complex analysis and to effectively communicate findings to customers and colleagues at all levels. At least 7 years of engineering experience with mobile rotating equipment. Must possess or attain DOT Motorcycle license within 1 yr.

Interested and qualified applicants should apply online via the career opportunities portal at [www.hbpsi.com](http://www.hbpsi.com)

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#### **Southern, WI - Technologist**

Our retained, Southern WI client is in need of 2 Staff Engineers - Technologists

A Technologist combines proficiency in multiple engineering disciplines with an understanding of emerging or changing markets, to lead us to new innovative, technical solutions that create customer satisfaction and build loyalty. This is with creating and leading strategies and applying new knowledge about customers, R & D, and about choosing solutions, manufacturing procedures and equipment.

Requires: Customer Engagement, Lead technical aspects of EOC/VOC activity, Prepare and present highly technical and complex product demonstrations to diverse groups including executive management, internal and external, Connect customer needs and technology to create viable value propositions for products and services, Research and evaluate new designs, materials, equipment, processes, and engineering software, Approve project plans, Marketing and Costing, Lead Product & Process Design, Testing and Requirements.

Additional Skills of: QA, ISO, Lean, Training, Systems Engineering, Advanced design engineering skills such as electro-mechanical simulations, probabilistic modeling, Solid engineering skills in electronics, testing, equipment usage, math, heat transfer, temperature sensing, electrical theory, fluids, material properties.

Bachelor's degree in engineering and related experience (7 –10 years). Master's degree preferred, PhD a plus. This position requires protracted periods of significant travel. Salary \$100-105k + 25% bonus. Will provide relocation funds.

Contact: Dale Wiza

Professional Engineering Placements, o 414-427-1700, [dale@engineeringplacements.com](mailto:dale@engineeringplacements.com)

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## Milwaukee Section 2010-2011 Governing Board

### CHAIRMAN:

James Ryan  
Modine Manufacturing Company  
email: [j.w.ryan@na.modine.com](mailto:j.w.ryan@na.modine.com)  
Work: (262) 636-1634

### VICE CHAIRMAN:

*OPEN POSITION*

### SECRETARY:

Doug Kautzer  
Briggs & Stratton Corp.  
P: 414-259-5733  
E-Mail: [Kautzer.Douglas@basco.com](mailto:Kautzer.Douglas@basco.com)

### TREASURER:

Bernard Krauska  
DRS Technologies  
email: [Krauska@execpc.com](mailto:Krauska@execpc.com)  
Phone: (262) 442-7754

### PAST CHAIRMAN:

Joe Sagat  
Modine Manufacturing Company  
email: [j.g.saga@na.modine.com](mailto:j.g.saga@na.modine.com)  
Work: (262) 636-1362

### HISTORIAN:

Wayne Richter  
Business Development  
email: [richterway@sbcglobal.com](mailto:richterway@sbcglobal.com)  
Phone: 262-770-0252

### AWIM / EDUCATION:

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### WEBMASTER:

Cara Kazda  
Cummins Filtration  
email: [cara.r.kazda@cummins.com](mailto:cara.r.kazda@cummins.com)

### MEMBERSHIP/ COMPANY REP:

Tony Grant  
Hamlin  
email: [tony.grant@hamlin.com](mailto:tony.grant@hamlin.com)  
Work: (920) 988-6895

### COLLEGIATE RELATIONS:

Mike Krauski  
UW-Milwaukee  
email: [krauski@uwm.edu](mailto:krauski@uwm.edu)

### CAREER DEVELOPMENT:

Dale Wiza  
Professional Engineering Placements, Inc.  
email: [dale@engineeringplacements.com](mailto:dale@engineeringplacements.com)  
Work: 414-807-9663

### SENIOR ADVISORS:

Amy Adams  
Kohler – Engine Division

Kurt Person  
HB Performance Systems

### NEWSLETTER EDITOR:

*OPEN POSITION*

### STUDENT REPRESENTATIVE:

Marquette University: *OPEN POSITION*  
UW-Milwaukee: Mitch Crawford  
MSOE: Alex Zelhofer

Dear Members and Section Friends,

The summer temperatures are cooling down but the SAE Milwaukee Section activity is ramping up. I look forward to another successful year of exciting programs as P&H Mining Equipment hosts our September kickoff event. The October Section meeting will be held at Briggs & Stratton, followed by the November student night meeting at UW-Milwaukee.

I'm proud of several accomplishments the Section completed last year. The website ([www.milwaukeeae.com](http://www.milwaukeeae.com)) was launched and is well maintained by SAE board member Cara Kazda with help from Ken Cook Co. Please visit the website to access the latest newsletter, browse event pictures, or register for events. We also executed our commitment to provide a printed newsletter mailing for every event. This effort was made possible by the generous service donation from Ken Cook Co. Their service has improved our section communication resulting in higher meeting attendance. It also offset a large printing expense which will enable us to provide increased student grants for their collegiate design competitions.

The Company Rep. program was also revived last year led by great efforts from Tony Grant and Wayne Richter. The program helps raise employee awareness within their respective companies. Please contact Tony or Wayne to find out how you can become a company rep. We will continue the momentum into this year

Please recognize Doug Kautzer of Briggs & Stratton for joining the governing board. Doug has organized the June Sprints event for several years and will now serve on the board as secretary.

I am confident that your governing board will continue the momentum into another productive year.

Best regards,

Jim Ryan  
Chairman – Milwaukee Section

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## Meeting Sponsorship



**P&H Mining Equipment Inc.**  
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