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**Volume 3, Issue 1**

**January 2004**



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# PFMA Inc. President's Report

After finishing a very good 2003, we at PFMA Inc. hope that everybody had a joyous holiday season. We wish you a very prosperous New Year.

This past October, PFMA Inc. held it's annual meeting at the Wintergreen Conference Center in Wisconsin Dells. This meeting brought together PFMA representatives from Canada and the United States. PFMA Inc. welcomed PFMA Canada, which was represented by Peter Davidson and Joseph Sebben; both are from the Kent Chapter. Peter and Joe gave a brief overview of their chapter and a look into the future on how they expect to grow. An area of interest to the rest of us was the "Lunch and Learn" sessions. These are seminars held over the noon hour in lieu of the normal evening meetings held in the states.

At the request of PFM Education & Scholastic Foundation, Jack Anick explained how the foundation was set up and how it could be beneficial to the chapters if used properly. When working through the Foundation-a 501C3 corporation-matching funds might be obtained from other 501C3 foundations. Currently the foundation is set up to handle the requests of the Milwaukee and Marshland Chapters. Work is being done to accommodate the other chapters that are now working with tech school foundations.

Chuck Roamer and Ken Kieck presented the proposed by-laws for PFMA INC. The good work done by this team made the review of the by-laws a very simple task. Only minor changes were requested and these have been made. The revised by-laws along with the minutes of the annual meeting should have been distributed.

The spring meeting for PFMA Inc. is scheduled for April 16-17th 2004.

Goals for 2004 are very simple:

1. Approve and implement the by-laws.
2. Work to increase membership in the active chapters.
3. Establish the Capitol and Tri State Chapters to a stand-alone status.
4. Look at starting a chapter in Minnesota or the Bay Area.

The help of the entire membership will be required to do this.

Please promote PFMA.

Have a Great Year!

James L. Lang, President, PFMA Inc.



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## PFMA Connection

Editor ..... Mike Klaus  
Sales Manager ..... Stefanie Dow

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Circulation this edition: 58,000

Messages

**President's Message – Milwaukee Area Chapter**

Happy New Year!

2003 was a very busy year. Our association has grown to over 300 members. We have reinstated our scholarship program and awarded over \$20,000 in scholarships. We have formed three new chapters in Madison, La Crosse and Canada. We have formed the PFMA Foundation with more information on this to follow.

I want to thank Ken Kieck for all the time and energy that he spent being the first president of this organization, getting it off the ground and to the point where we are today. Well done!

Congratulations to those of you who took on new responsibilities and challenges for the coming year with PFMA. Mary Parker-Witte (Great Lakes Roofing) will be taking over the Membership Committee. Pat Finger (Langer Roofing) was elected the Program Chairman to round up speakers. And we didn't let Ken Kieck (Journal Sentinel) go, as he will be taking care of arrangements for the Program Committee.

The following were re-elected to their positions:

- Treasurer: John Skadahl      Weasler Engineering (Retired, West Bend Company)
- Secretary: Sean McGlenn      Clasmann Corporation
- Education: Ted Kucharski      Full Power Electric
- Exposition: Mike Nelson      Crane Engineering Sales

Many of our vendor members contribute their time to PFMA. In return, please consider their services for your needs. See the November issue's 2004 Products & Services Directory, archived at the PFMA website for year-round viewing: [www.pfmainc.com](http://www.pfmainc.com).

Mark your calendars to attend the PFMA Milwaukee Expo coming to Wisconsin State Fair Park on April 7 & 8. Pre-register for a name badge at the website. Contact Stefanie Dow to confirm your booth space: [dow@execpc.com](mailto:dow@execpc.com); phone: 262-695-7479. We already have over 300 booths confirmed. See this issue for a list of exhibitors to date.

This organization is only as good as it's members. I invite each of you to renew your commitment to the chapter this year. Attend the monthly membership meetings. Network with your professional peers and our special guests. Volunteer on a one-time or ongoing basis.

Our Operating Committee meetings are held on the first Tuesday of the month at Klemmer's Banquet Center, 5:30 PM. All PFMA members are invited to attend.

As your new president, please feel free to contact me with any comments or questions.

E-mail: [Trandolph@wi.rr.com](mailto:Trandolph@wi.rr.com). I look forward to working with all of you to make this chapter even better during the coming year.

I wish you all joy and success in 2004.

Tom Randolph, President, PFMA Milwaukee Area Chapter

**President's Message – Central Wisconsin Chapter**

Happy New Year

With the beginning of another year, we need to focus on several important issues and functions in order to make it beneficial and interesting.

First and foremost, you should all have received your membership renewals. Please return the dues as early as possible. The annual fee is really a very worthwhile investment if you get even one helpful idea from our programs. Besides, there are "freebies" along the way such as Zag and Frank's desserts at our picnic.

Second, the more members we have, the better our programs - so promote PFMA to your business associates, especially within maintenance departments. We have a number of good programs coming up in the near future. Our next program takes place January 13 and will provide an overview of various communication protocols available for in-plant information collection, automation control functions and monitoring of field devices. See the Calendar of Events in this issue for time and location.

Be sure to mark your calendars to attend the PFMA Central Wisconsin Plant Engineering & Maintenance Expo coming to the Holiday Inn & Convention Center on Tuesday, March 23, 2004. Visit the PFMA website to pre-register to attend. To reserve your booth space, contact Stefanie Dow at (262) 695-5725.

Slightly belated but still important is our expression of thanks for a great presentation on New Concept Lighting by Orion Energy Systems and for the hospitality offered by Wausau Tile Company during our November Tour.

Finally, our congratulations go to the recipients of the Central Wisconsin Chapter Student Scholarship Awards presented through Mid-State Technical College and North Central Technical College. We have received personal thanks from all the recipients in the maintenance programs. They have indicated that these awards will provide much needed assistance allowing them to continue their studies. Take a moment to read the notes at our next chapter meeting. After all, scholarships are one of the major programs of PFMA.

Neil Stein, Vice President, Central Wisconsin Chapter

**President's Message – Marshland Chapter**

Happy New Year!

What a year it was. The Marshland Area Chapter was chartered by the PFMA Inc. in January of 2002. We started off the year by setting goals and to date we have achieved some with great success. We've had plant tours, golf outing and speakers that have had huge impact on the success of this chapter.

We started this chapter with \$2,000.00 in seed money, which we were able to repay within the year. We were also fortunate to grant three \$500.00 scholarships and one \$250.00 this past year. What an achievement! This was all made possible by assisting at the Milwaukee PFMA Expo and an increase in membership. Oh yes, who could forget the vendor sponsored golf outing fundraiser! What a great time that was.

Our 2004 meeting dates have been scheduled. Please check the PFMA Connection calendar of events for meeting dates. I am also very excited about our upcoming tours this year. We are waiting for confirmation on Heartland EPS, Miller Park and Ripon Good Cookies. We are also planning our 2004 golf outing.

As the president of this chapter, my role is to facilitate. None of the success of this chapter would have been achieved if it weren't for the board this chapter selected. Thanks to all and I'm looking forward to an exciting 2004.

Have a safe year!

Doug Prunty, President, PFMA Marshland Area Chapter

**Treasurer's Message – Tri-State Chapter**

The Tri-State Chapter has been meeting for the past few months. We our working on getting the word out to both men and women in the Southwest area of the state.

We have 4 paid members with many others working to get their membership to us.

We had a holiday party in December and have tours schedule for February and April, along with vendor schedule talks for March and April. January is set aside for a membership drive. May 26, 2004 is the Tri-State golf outing at Cedar Creek Country Club.

There looks to be a strong interest in the PFMA as long as the chapter pushes for education of maintenance people and that we continue to help students to move ahead with their education.

Carl Lange, Treasurer

**Advertising Opportunities  
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Featuring the Show Directory for the PFMA Central Wisconsin Expo  
Ad reservation deadline: January 9, 2004

**June, 2004**

PFMA Annual Membership Directory  
Ad reservation deadline: April 22, 2004

**September, 2004**

Ad reservation deadline: August 5, 2004

**November, 2004**

Featuring the 2005 Products & Services Directory  
Ad reservation Deadline: October 7, 2004

**January, 2005**

Featuring the Show Directory for the PFMA Milwaukee Expo  
Ad reservation deadline: December 2, 2004

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58,000, January issue

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**Message**

**Chairperson's Message – Kent Chapter, PFMA Canada**

As stated in our presentation during the Annual fall meeting, PFMA CANADA is honoured and pleased to be a recognized chapter of PFMA Inc. We have been busy during the past year determining the direction and guidelines of our organization, assembling a board of directors and still meeting our objectives with technical dinners and plant tours for 2003.

Our initial kick-off meeting in September was very successful as we presently have approximately 35 members in our organization. Our technical dinner held in October had a dual purpose as our technical dinner and elections for the Board of Directors. The elections surprised us as we were looking for seven officials and ended up with nine. The technical dinner featured Rick Nicholls who taught us that if we don't have proper communication in the work place we are not working efficiently. Most recently we were given a plant tour of the Chatham-Kent Health Alliance's new St. Joseph's Hospital Wing in November. The tour was both interesting and educational as our tour guide could explain every system-electrical or mechanical-with a great deal of knowledge.

We do not anticipate any slow down in our momentum for the new year and are working feverishly to ensure we still meet our objectives including another technical dinner January 20, 2004, and a member's social event for spouse appreciation on Valentine's day, February 14, 2004. We will also be concentrating our efforts on the organization of our Spring EXPO 2005 and the possibility of hosting the Annual Fall meeting in 2005. We hope to see an increase in prospective members and invite members from other chapters to participate in our scheduled events.

In closing I would like to thank everyone involved for helping us to establish this chapter of PFMA both locally and across the border and am looking forward to a challenging and fulfilling year in 2004. I wish everyone Happy Holidays and a great new year.

Steve Urry, Chairperson, PFMA Canada



PFMA Canada members investigate the depths of the heating and cooling systems of Chatham-Kent Health Alliance's new St. Joseph's Hospital Wing during a tour on November 25th.



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## Calendar of Upcoming Events

**Important reminder:** Important reminder: If you will be attending the dinner portion of the monthly membership meetings, please RSVP to your chapter: Milwaukee Area Chapter (MAC): John Skadahl, e-mail: skooter@nconnect.net; phone: 262-644-6287; Marshland Area Chapter: Jeff Zwicky, e-mail: jeffz@guentherupply.com; phone: 920-921-0821 x316; Central Wisconsin Chapter: Jim Lang, e-mail: lazepine@dwave.net; phone: 715-359-5682.

**Table Top Displays** are now available at PFMA MAC meetings. Please contact Al Tredo at phone: 414-788-8912 or e-mail: atredo@lselectric.com for details and dates remaining. The cost is \$75 per table. Two table top displays are featured at all regularly scheduled membership dinner meetings.

### 2004

#### January

- 01/05/04** Central Wisconsin Chapter- Board Meeting at Wings Restaurant, Mosinee, 6:00 PM.
- 01/13/04** Central Wisconsin Chapter- Dinner Meeting at Blue Top Restaurant, Stevens Point, 7:00 PM. Dinner Seminar.
- 01/20/04** Milwaukee Area Chapter-Orion Tour in Plymouth, piggybacked with Toro Parts Distribution Center- dinner will follow at a local venue.
- 01/20/04** PFMA Canada- Technical Dinner Meeting.
- 01/21/04** Marshland Chapter membership meeting.
- 01/26/04** Central Wisconsin Chapter- Board Meeting at Wings Restaurant, 6:00 PM.
- 01/27/04** MAC Operating Committee Meeting, 5:30 PM, Klemmer's Williamsburg Inn.

#### February

- 02/10/04** Central Wisconsin Chapter- VIP Night, Stevens Point Country Club. 6:00-7:00 PM Dinner.
- 02/14/04** PFMA Canada- Members Social, Spouse Appreciation Night.
- 02/17/04** MAC Membership Meeting, 5:30 PM. Location: Klemmer's Williamsburg Inn. Speaker: Paul E. Feuerstein, Feuerstein Engineering. Topic: Vibration Puzzle.
- 02/18/04** Marshland Chapter Membership Meeting.
- 02/24/04** MAC Operating Committee Meeting, 5:30 PM. Location: Klemmer's Williamsburg Inn.

#### March

- 03/01/04** Central Wisconsin Chapter- Board Meeting, Wings Restaurant, Mosinee, 6:00 PM.
- 03/16/04** MAC Membership Meeting, 5:30 PM. Location: Klemmer's Williamsburg Inn. Speaker: Trane Company. Topic: Earthwise Energy.
- 03/16/04** PFMA Canada- Technical Dinner Meeting.
- 03/23/04** PFMA Central Wisconsin Expo, Holiday Inn & Convention Center, Stevens Point Wisconsin. Show Hours: 9:30 AM - 5:00 PM.
- 03/24/04** Marshland Chapter Membership Meeting.
- 03/29/04** Central Wisconsin Chapter- Board Meeting at Wings Restaurant, Mosinee, 6:00 PM.
- 03/30/04** PFMA Operating Committee Meeting, 5:30 PM. Location: Klemmer's Williamsburg Inn.

#### April

- 04/07/04 &** PFMA Milwaukee Expo, Wisconsin Exposition Center at State Fair Park. Show Hours 11 AM - 7 PM each day.
- 04/08/04**
- 04/13/04** Central Wisconsin Chapter Regular Meeting, 5:30 PM Tour.
- 04/20/04** MAC Membership Meeting, 5:30 PM. Location: Klemmer's Williamsburg Inn. Annual Scholarship Presentation. Speaker TBA.
- 04/25/04** Marshland Chapter Membership Meeting.
- 04/26/04** Central Wisconsin Chapter Board Meeting at Wings Restaurant, Mosinee, 6:00 PM.
- 04/27/04** MAC Operating Committee Meeting, 5:30 PM. Location: Klemmer's Williamsburg Inn.

#### May

- 05/11/04** Central Wisconsin Chapter Regular Meeting, Wings Restaurant, Mosinee, 7:00 PM. Dinner Seminar.
- 05/18/04** MAC Membership Meeting, 5:30 PM. Location: Klemmer's Williamsburg Inn. Wisconsin Manufacturing Extension Partnership. Speaker: Keith Lodahl. Topic: Planned Predictive Maintenance.
- 05/18/04** PFMA Canada- Plant Tour.
- 05/19/04** Marshland Chapter Membership Meeting.
- 05/25/04** MAC Operating Committee Meeting, 5:30 PM. Location: Klemmer's Williamsburg Inn.
- 05/24/04** Central Wisconsin Chapter Board Meeting at Zag's place.

#### June

- 06/04/04** PFMA Canada- 2nd Annual Golf Tournament.
- 06/07/04** Central Wisconsin Chapter Golf Outing, The Ridges, Wisconsin Rapids, WI. 11:00 AM Shot Gun Start.
- 06/18/04** Marshland Chapter Golf Outing.

#### July

- 07/13/04** Central Wisconsin Chapter Membership Picnic.

#### August

- 08/30/04** Central Wisconsin Chapter Board Meeting, Wings Restaurant, Mosinee, 6:00 PM.

#### September

- 09/14/04** Central Wisconsin Chapter Regular Meeting, Wings Restaurant, Mosinee, 7:00 PM. Dinner Seminar.
- 09/21/04** PFMA Canada- Lunch & Learn.
- 09/27/04** Central Wisconsin Chapter Board Meeting, Wings Restaurant, Mosinee, 6:00 PM.

#### October

- 10/12/04** Central Wisconsin Chapter Regular Meeting, 5:30 PM. Tour TBA.
- 10/19/04** PFMA Canada- Plant Tour.
- 10/25/04** Central Wisconsin Chapter Board Meeting, Wings Restaurant, Mosinee, 6:00 PM.

#### November

- 11/09/04** Central Wisconsin Chapter Regular Meeting, Wings Restaurant, Mosinee, 7:00 PM. Election of Officers. Dinner Seminar.
- 11/16/04** PFMA Canada- Technical Dinner Meeting.
- 11/29/04** Central Wisconsin Chapter Board Meeting, Wings Restaurant, Mosinee, 6:00 PM.

#### December

- 12/14/03** Central Wisconsin Chapter Members Christmas Party, TBA.

PFMA Canada is planning to produce Expo 2005, which will be held April, 2005. Please visit the PFMA website for updates and additions to the calendar: [www.pfmainc.com](http://www.pfmainc.com).

To add items to the calendar, please contact Stefanie Dow at: [dow@execpc.com](mailto:dow@execpc.com).

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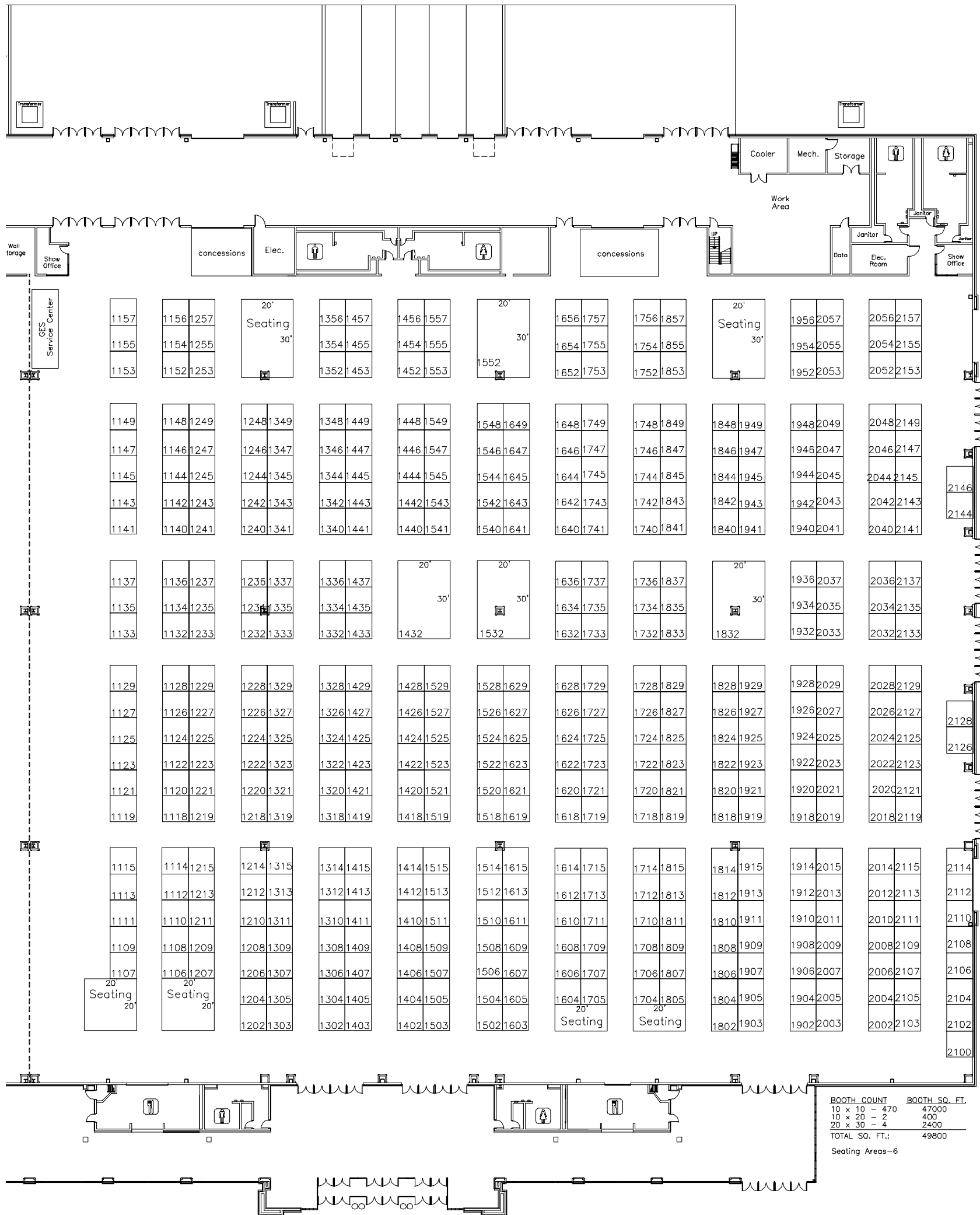
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**PFMA 2004 EXPO**



**For a complete listing of Exhibitors, see pages 10 – 11.  
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**PFMA Expo Show Hours**

**Wednesday  
April 7, 2004  
Show Hours**

**11:00 a.m. – 7:00 p.m.**

**Thursday,  
April 8, 2004  
Show Hours**

**11:00 a.m. – 7:00 p.m.**

Booth space still available at the 2004 Plant Engineering & Maintenance Expo.  
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Reserve your booth space now!

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**Admission and Pre-Registration Form**

To receive your name badge prior to the show, please mail to: PFMA, 5105 Scott Lane, West Bend, WI 53095 or fax to: 920-261-1839. Advance name badge requests must be received by: March 15, 2004.

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## 2004 PFMA Expo Exhibitors

Company Name	Booth Number	Company Name	Booth Number	Company Name	Booth Number
A Filling Inc.	2113, 2115	Clasmann Corporation	1754	Gaudian Industrial Sales Inc.	1956, 2057
Able Technology	2005, 2007	Climate Sales, Inc.	2119	GE Supply	1310, 1312
Advance Chemical Co.	1118, 1219	CMS & CMR	1302, 1403	Geis Building Products Inc.	1557
Advance Hydraulics Inc.	1155, 1157	Combustion Systems of Wisconsin	1546	General Communications Inc.	1733
Advance Thermotec	2103	Controlled Environment Equipment	2036	Great Lakes Commercial Sales, Inc.	1621
Advanced Induserve Supply	1757	Cope Plastics Inc.	1752	Great Lakes Roofing Corp.	1108
Advanced Waste Services	1424	Copps Industries	1408	Grunau Company	1545
Aerial Work Platforms	1136, 1237	Corporate Express	1352, 1453	Harley-Davidson	1527, 1529
Affiliated Steam Equipment Co.	1613, 1615	Courtney Industrial Battery Inc.	1240, 1341	Hassel Material Handling Co.	1412
Air Quality Controllers	1342, 1344	CPR Services Inc.	2028	Hastings Air-Energy Control	2133, 2135
Air Strata Marketing	1110	Crane Engineering Sales Inc.	1604, 1606, 1608	Heiden Plumbing	1610
Air Supply Systems Inc.	1307, 1309	Crane Pro Services	1609	Hein Electric Supply Company	1528, 1629
Airway Sales Inc.	1304	Critter Control Inc.	1311	High Voltage Maintenance	1306
American Bolt Corp.	1407, 1409	Crown Equipment Company	1914, 2015	Holming Company	2041
American Millwork & Hardware	2144	Custom Restoration, Inc.	1128, 1229	Holton Brothers, Inc.	1805
Anderson Pump & Process	1948, 2049	D&B Industrial Floor Coatings, Inc.	1902, 2003	Hot Water Products	1449
Aqua Pure of Wisconsin Inc.	1523	D E Riley Corp./Riley Valve Services	1821	Hotsy Cleaning Systems Inc.	1107
Asphalt Contractors, Inc.	1705	Dillett Mechanical	1314	Hunzinger Construction Company	1808
Association for Facilities Engineering	1106	Dist-Tron, Inc.	1611	Hydraulic Component Services Inc.	1208
Auer Steel	1711	Donald A. Loss Associates Inc.	1540, 1641	Hydraulic Service & Mfg. Inc.	1415
Automatic Fire Protection, Inc.	2002	Doral Corporation	1114, 1215	Illingworth Corporation	1141
Badger Electric Motor Inc.	2014	E H Wolf & Sons Inc.	2108	Industrial Equipment & Service Inc.	1318, 1320
Badger Material Handling	1853, 1855, 1857	Eagle Enterprises Ltd.	1413	Industrial Erecting	1114, 1215
Badger Valve & Fitting Corp.	1845	Eagle Technology Inc.	1427	Ingersoll Rand Equipment Sales	1432
Badgerland Commercial Roofing Inc.	1525	Earth Tool Co., LLC	1610	Ingersoll Rand Air Center	1432
Balestrieri Environmental & Dev. Inc.	1919	Emerson Process Management	2104	Ingersoll Rand Security & Safety	1432
Batteries Plus	1429	EMS Industrial	1718, 1819	In-Place Machining Company	1548
Bird Ladder & Equipment Co.	1627	Enerpac	1614, 1715	InPro Corporation	1509
Brabazon Pumpe Company, Ltd.	1336, 1437	Enviro Clean Technologies of WI	1511	ITT Flygt Corporation	1502, 1603
C & H Distributors	2112, 2114	Environmental Systems Inc.	1605	J & W Instruments Inc.	2127
C L Thompson Company	1813	FABCO Rents	2153, 2155, 2157	J L Business Interiors Inc.	1714
Carrier Commercial Systems & Services	1713	Falk Renew	1425	J T Roofing	1411
Centec Security Systems Inc.	1746, 1748	Fastenal Company	1620, 1622	J Walter Inc.	1841
Centimark Corporation	1423	Filtration Solutions Inc.	1942, 1944, 1946	J.F. Cook Co. Inc.	1226
Central-1 Security Inc.	1735	FJA Christiansen Roofing Co.	1518, 1619	J.M. Brennan, Inc.	1319
Central States Caster	1506, 1508	Floorcare USA	1710	Jacobus Environmental Services	1422
Central Supply Co.	1802	Furlong Industrial Systems Inc.	1818, 1820	JAMAR Electric Supply	1541
Chem-Tech International Inc.	1119	G W S Supply Inc.	1245, 1247	JB Distributing Co. Inc.	1555
Chemtreat Inc.	1410	Garland Co. Inc.	1133	Jensen Equipment/ Milw. Electric Tool	1418, 1420, 1519, 1521

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## 2004 PFMA Expo Exhibitors

Company Name	Booth Number	Company Name	Booth Number	Company Name	Booth Number
Johnson Controls Inc.	1419, 1421	Novaspect, Inc.	2106	T & A Industrial Dist.	1815
Johnstone Supply	1520	Onyx Special Services, Inc.	1623	Tartan Supply Co.	1704, 1706
KEI Kujawa Enterprises Inc.	1844, 1846, 1847	Operating Engineers Local 139	1321	Technitrol, Inc.	1526
K I Pumps & Systems Inc.	1402, 1503	Operating Engineers Local 317	1510	Tennant Company	1708
K R West Co. Inc.	1755	Overhead Material Handling, Inc.	1426	The Price Erecting Company	1741
Kafko	2110	Packerland Rent-A-Mat Inc.	1543	Thuemling Industrial Products Inc.	1210
KISS-Klatt Industrial Sales & Svc.	2019	Palmer Company Inc.	1224	TMI Coatings	1913
Klatt Equipment Inc.	1632, 1634	Parker Coatings Inc.	1442	TOTO USA, Inc.	1628
Kluber Lubrication North America	1206	Parking Lot Maintenance	1328	Town & Country Electric	1456
L & S Electric Inc.	1512, 1514	PARSS Corp.	1756	Trane Company	1652, 1753
L W Allen Inc.	1809, 1811	Pavlic Vending Service Inc.	2102	Trester Hoist & Equipment	1406
LaForce Inc.	1910, 1912	PBBS Equipment Corp.	1918	Trico Mfg. Corp.	1214
Lakewood Filters, Inc.	1123	PFMA Capitol Area Chapter	TBA	UMISCO Inc.	1204
Langer Roofing & Sheet Metal Inc.	1505, 1507	PFMA Milwaukee Area Chapter	TBA	United Rentals	1552
LIFTCO Inc.	1428	Pioneer Roofing Inc.	1446	United Scale & Engineering	1345
Marshall Erecting Company	2126, 2128	Piper Plastics, Inc.	2009	UW Washington County	TBA
Martin Petersen Company Inc.	1235	Poblocki Paving Corporation	1354, 1356, 1455, 1457	VFW	TBA
Masonry Restoration Inc.	1504	Power/mation	1313, 1315	Viking Communications	1308
MEE Material Handling LLC	1934, 1936, 2037	Poweramp Equipment	1720	Watertech of America	1849
Metal Express	1654	Prime Coat Corporation	1513	Waukesha County Technical College	TBA
Metal Surgery Milwaukee LTD	1727, 1729	Primex Wireless, Inc.	1405	WI Industrial Machine Service	1414, 1515
Metro Caster LLC	1246	Pro Industrial Controls Inc.	1649	WI Tech College System Foundation	1332, 1334
Midland Plastics Inc.	1618, 1719	Process Equipment Sales	1607	Wild, Inc.	1644
Midwest Electrical Testing & Maint Co.	1920	Professional Supply Company	2100	Winding Roofing Company Inc.	1305
Midwest Finishing Systems Inc.	1134	Progressive Automation Control	1647	Wisco Lift Inc.	1443
Midwest Mechanical Maintenance	1903	Quality Door & Hardware	1740	Wisconsin Compressed Air Corp.	1452, 1454
Milwaukee Area Technical College	TBA	RDM & Associates Inc.	1207, 1209	Wisconsin Control Corporation	1322, 1324
Milwaukee Hammer Company	1404	Rinderle Door Company	1832	Wisconsin Focus on Energy	1129
Milwaukee High Lift	1253, 1255	Ritter Technology	1522, 1524	Wisconsin Lift Truck Corporation	1724, 1726, 1728, 1825, 1827, 1829
Milwaukee School of Engineering	TBA	Rydlyme Sales & Service	1646	Wisconsin Lifting Specialists Inc.	1433, 1435
Modular Piping Supply	2149	Safway Steel Products	1744	Wisconsin Pipe Trades	1810, 1812
Moore Oil Company Inc.	2018	Salamone Supplies	1905, 1907	Wisconsin Steam Cleaner Sales	1202, 1303
MSI General Corporation	1921	Salentine Pump & Equipment	1804	Wolter Hydraulics & Power Systems	1722
Multi-Vac/M&W Shops	1156, 1257	San-A-Care	1444	Yale Equipment & Services Inc.	1532
Munson Inc.	2040	Service Painting Corporation	1807	Zien Service, Inc.	1346, 1348
N.E.S.	1848, 1949	Speedy Metals	1640	Zorn-Cochrane Compressor & Equipment Inc.	1636, 1737
National Utilities Company Inc.	1232, 1234, 1236	Storage Battery Systems	1732, 1833		
Nelson Electric Supply Co. Inc.	1111, 1113, 1115	Superior Landscape Maintenance	1656		
Noffke Roofing Co. Inc.	1211	System Service Ltd.	1228		

Current listing as of December 17, 2003

*Lift trucks (new & used) • Resource Assessments • Rentals  
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## The Skill Source Report – Jan., 2004

*By Paul E. Feuerstein, Feuerstein Engineering; PFMA Member*

Here's what it takes to make the Skill Source function? The efforts of people within an organization. People sometimes think they're helping.

An elevator analogy: The Skill Source gets you to the proper floor for you to sell your wares. We all think we know which floor you might want. Some people will even tell you where to get off. Who do they think they are? Wouldn't it be nice if first they'd just listen to you, hear you out, before telling you what they think and you probably didn't ask for their opinion.

Did we ever think about a baseball analogy? Sure, we probably got dumped, but now we're "free agents." Players, however, don't write resumes, but people pay to watch them. On resumes: Most resumes tell! Might a better approach be to sell?

Oh! Then there's a flywheel analogy (they are in gyroscopes). They come in many sizes for many uses; it's a spinning disk or wheel, used in kids toy tops (remember them, well I didn't write a resume for a while either), machinery and guidance systems. We all have our personal flywheel. PFMA has a group one, the Skill Source also has a group one. All of our flywheels need a nudge now and then to keep going and on course. So, if we at PFMA gave our flywheels a daily nudge, we'd all be pushing in one direction for the same cause, building inertia, momentum.

What's the proposition in all of this, you say? We're not a baseball organization, elevators have their ups and downs, but flywheels only go one way! The proposition? Your ideas and thoughts! (feuereng@execpc.com). The Skill Source flywheel may benefit - wrong - YOU will benefit, if the flywheel gets your nudge, both buyers and sellers of SKILLS.

Thanks for hearing me out.

Paul E. Feuerstein



**Bill Duter, Treasurer, PFMA Capitol Chapter and Ada Duffey, President, Milwaukee Lead/Asbestos Abatement Center, November 12, 2003.**

## Industry Articles

### What's all the noise about?

*By Michael Whitney, Power/mation*

It seems that lately I have run into numerous problems created by those wonderful, problem-solving products-namely AC, variable speed motor controls and servos. The problems show up as electrical noise which cause sensors, PLC's and other electronic devices to do "strange things".... Like not work! Thus begins the task of finding out why not!

#### What Happens?

The servo or AC motor control does not do the conversion from AC to DC and back to AC "cleanly". The first section of the AC drive is a rectifier, which converts the AC to DC and also creates power distortions on the AC line. The output of the drive converts the DC back to AC using high frequency switching devices, which also create distortions that are sent to the motor through the motor power cables or "antenna". The longer the wire, the bigger the antenna and the more apparent the noise problem will be.

If there are any logic, sensor or control wires anywhere near unshielded AC variable frequency motor control wires, you will have big problems.

#### Help... What do I do?

Here are a few tips.

- Put an output filter between the drive and motor
- Shield the motor power cables and keep them as short as possible to a solid earth ground
- Separate the power and logic cables as much as possible
- Make sure you have an excellent earth ground and use it.

There are several publications that give excellent tips on how to solve these problems. Send me an email and I will be happy to forward one to you.

E-mail: mikewhitney@charter.net.



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## Free Technical Seminars

### EXPO Seminar Schedule - 2004 April 7 Afternoon Session

#### Conference Room 1

**Time:** 1:00 PM - 2:00 PM  
**Title:** **Roof Preventative and Moisture Scans**  
**Presenter:** Ben Rucka & Bill Moody - J.T. Roofing  
**Description:** Ben and Bill will lead a discussion that will answer the following questions: What is preventative maintenance and how can it be applied to your roof? How can we expect to get the longest possible service life out of our new roofing system? Can we make cost effective repairs to our existing roofing system? What are roof moisture scans, and how are they used (and abused).

#### Conference Room 2

**Time:** 1:00 PM-2:00 PM  
**Title:** **How a CMMS can make a Maintenance Manager's life easier**  
**Presenter:** Eric Jaeger - Eagle Technology  
**Description:** A well-implemented Computerized Maintenance Management System can improve the efficiency of a maintenance department. Documenting the proper procedures eliminates mistakes and improves the effectiveness of the maintenance delivered. Tracking costs per asset help support replacement purchases. Scheduling information can help in defining resources needed to complete maintenance.

#### Conference Room 3

**Time:** 1:00 PM-2:00 PM  
**Title:** **Understanding Your Dust Collection Application**  
**Presenter:** Kevin Summ - Controlled Environment Equipment Corp.  
**Description:** Dust, fume and particulate collection can be a very difficult task. Learn how to analyze your air pollutants, select the proper equipment and improve the overall air-quality at your facility. In addition, we will cover some of the new air-quality requirements and technology changes in the industry.

#### Conference Room 4

**Time:** 1:00 PM-2:00 PM  
**Title:** **Hydraulic Filtration**  
**Presenter:** David Goss - Filtration Solutions, Inc.  
**Description:** This seminar will introduce you to basic hydraulic filtration and terminology with an overview of Beta ratings. We will also discuss reading a hydraulic oil analysis test report for best results.

### EXPO Seminar Schedule - 2004 April 8 Afternoon Session

#### Conference Room 1

**Time:** 1:00 PM  
**Title:** **International Association of Electrical Inspectors Meeting**  
**Presenter:** SE Wisconsin Chapter of the IAEI  
**Description:** Regular meeting of state and local members

#### Conference Room 2

**Time:** 1:00 PM-2:00 PM  
**Title:** **The World Wide Web and Your Maintenance Program**  
**Presenter:** Scott Ladwig - Midwest Electrical Testing  
**Description:** Attend this seminar and learn how to use a web site to host your maintenance program, archives and drawings.

#### Conference Room 3

**Time:** 1:00 PM-2:00 PM  
**Title:** **Practical Energy Management**  
**Presenter:** John Nicole - Wisconsin Focus on Energy  
**Description:** Practical Energy Management (PEM) is a template for an energy program that you can use to quickly and easily manage your organization's energy costs. Attend this seminar and learn which PEM template package will work for your particular application and DO your energy management.

#### Conference Room 4

**Time:** 1:00 PM-2:00 PM  
**Title:** **ASHRAE Air Filtration Test Standard 52.2**  
**Presenter:** David Goss - Filtration Solutions, Inc.  
**Description:** This seminar will explain the test standard and how to use it to assist in selecting air filtration product types for a specific filtration need or result being sought.

#### Meeting Notice

Milwaukee chapter of the Fluid Power Society

Presentation by Enerpac

Millau Viaduct, Worlds Highest Bridge

Enerpac will showcase the hydraulic system for lifting the temporary piers and pushing the bridge decks. Check out the website: [http://www.enerpac.com/html/Projects/Millau/Millau\\_Highest\\_Bridge.html](http://www.enerpac.com/html/Projects/Millau/Millau_Highest_Bridge.html) for more information.

Thursday, January 15, 2004 at 6:30 p.m.

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**Seminars**

**EXPO Seminar Schedule - 2004, April 6 & 7 -Morning Session**

**Conference Room 4**  
**Time:** 8:00 AM Start  
**Title:** **AFE's Certified Plant Maintenance Manager Program**  
**Presenter:** Darren Eskind - J E Merit Constructors, Inc. Darren Eskind is a Manager of Maintenance, Quality and Training for JE Merit Constructors, Inc., a wholly owned subsidiary of Jacobs Engineering Group, Inc.  
**Description:** AFE's Certified Plant Maintenance Manager (CPMM) program has been created to help you gain recognition as one who has mastered the skills and has the drive to learn new ones. Each of the sessions will review the general principles for a maintenance management discipline as addressed on the exam, with an opportunity to work through sample questions with instructors. Sessions are designed to be interactive; questions are encouraged. **Eligibility:** To be eligible to sit for the CPMM exam, you must currently be employed as a maintenance professional and have least two or more years experience in the maintenance management field; or you must have five or more years experience in plant engineering, facilities engineering, maintenance management, or related and/or equivalent employment. Eligibility is confirmed by submitting an application to AFE.  
**Review Session:** April 6, 2004  
 4 hour Exam: April 7, 2004 proctored by Jerry Olson  
**Contact:** Allison Reis, AFE's Certification Coordinator, at 513-489-2473 x17 for further information, review booklets and program charges.



**PFMA Canada members check out the control panels for the utility services for the Hospital.**



**Ada Duffey, President of Milwaukee Lead & Asbestos Abatement Center addressing PFMA Capitol Chapter November 12, 2003.**

**EXPO Seminar Schedule - 2004, April 7 & 8 Morning Session**

**Conference Room 1 & 2**  
**Time:** 8:00 AM-12:00 PM  
**Title:** **National Electrical Code Seminar**  
**Presenter:** Joe Hertel - Wisconsin Department of Commerce Supervisor

**The Expo and The NEC**

Are you up-to-date on the changes in the NEC? Are you trying to pass one of the Wisconsin Electrician Certification Tests? These and other electrical questions will be addressed at the two code sessions that will be offered at the Plant Engineering and Maintenance Expo at the State Fair Park on April 7 & 8, 2004. These sessions will be held at the Exposition Center from 8:00am - 12:00noon both days. Each session will be a different topic. The presenter will be the renowned code expert, Joseph A. Hertel, Program Manager Wisconsin Department of Commerce. Watch for future mailings of check our website: [www.pfmainc.com](http://www.pfmainc.com). CEU's will be awarded for those who need them for re-certification. Sign up early, seating is limited.

For more information contact Ted Kucharski at 262-594-5118.  
 EXPO Seminar Schedule - 2004, April 7 & 8 Morning Session

**Conference Room 3**  
**Time:** 8:00 AM-12:00 PM  
**Title:** **Fluid Power Society's Industrial Hydraulic Mechanic Certification Test and Training**  
**Presenter:** Allen Neu and other guest speakers - Fluid Power Society

**Hydraulic Training and Review for Maintenance People and Managers**  
**FLUID POWER SOCIETY'S INDUSTRIAL HYDRAULIC MECHANIC CERTIFICATION TEST REVIEW AND TRAINING**

The Industrial Hydraulic Mechanic Certification is a valuable tool to guarantee the competence and professionalism of the mechanics, technicians, and supervisors working in the Fluid Power Industry. Whether you are a hydraulic mechanic, technician, maintenance supervisor, or manager, certification provides an important way for you to stand out from the rest of your competition. When customers and employers are faced with a choice between similarly qualified employees, the certified people are usually the winners. Improve your chances for personal and business success in the hydraulic maintenance field by becoming a certified Industrial Hydraulic Mechanic.

The Milwaukee Chapter of the Fluid Power Society is offering a review of the Mechanics Certification Test. The review will cover the following topics;

- Preventive Maintenance
- Fluid Filtration
- Component assembly and repair
- Troubleshooting

The 4-hour session will run, from 8:00 to 12:00 Wednesday and again on Thursday. All topics will be covered briefly, and then selected areas will be explored in more detail. The sessions will be flexible enough to cover areas of interest to the attendees. A short pretest will be used to identify areas that need to be covered.

Cost for the seminar is \$50 for either day. A complete 16-hour review session for the mechanics test and the test itself is tentatively scheduled for late April. Anyone taking the review at the PFMA show can apply the \$50 fee to the cost of the review training and test in April. Contact Jeff Bitant at 414-277-7196 for registration information.

**Seminars Location:**  
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Check the session(s) you will be attending @ \$50 each:

**National Electrical Code Seminar**  
 April 7, 2004      8:00 AM-12:00 PM

**National Electrical Code Seminar**  
 April 8, 2004      8:00 AM-12:00 PM

**Hydraulic Training & Review**  
 April 7, 2004      8:00 AM-12:00 PM

**Hydraulic Training & Review**  
 April 8, 2004      8:00 AM-12:00 PM



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