



# Philadelphia Liberty Bell Chapter Newsletter

www.asm-philadelphia.com

Thursday, April 20 2006

## Sustaining Members Night

Spouses and guests are invited and welcome.

Williamson Restaurant, Easton Road, Horsham, PA



**Speaker: STEVE CHRISTINI, Christini Technologies, Inc.**

**Topic: Development & Marketing of "All Wheel Drive" in the Motorcycle & Bicycle Industry**

Steve Christini is the founder and President of Christini Technologies, Inc., the world's leading developer of All-Wheel Drive Mountain Bikes and shaft driven AWD Motorcycles.

Steve is from Towanda, Pennsylvania and was an active inventor and sportsman in his early years. He has been an enthusiast of mechanical inventions and has an eye for product development that started with modeling and design at an early age.

In 1990, he moved to Italy, where he discovered his love of mountain biking. After returning from Italy, he attended Villanova University where he pursued Mechanical Engineering and Business. While at Villanova, Steve developed the concept of a shaft drive All Wheel Drive bicycle, and made it his Senior Design project. He developed and built the first prototype on Villanova's Campus and was able to prove that AWD works on a 2-Wheel vehicle.

After graduating in 1995, Steve pursued a career at Air Products and Chemicals, Inc. where he worked in a variety of engineering roles until the summer of 1998. At that time,

he left the corporate world, and pursued the dream that began while at Villanova University. Development of the refined technology began in 1998 and Christini Technologies, Inc. was formed in 1999 after its initial financing. The first production two wheel drive mountain bike was sold in August of 2002. Currently the company has a partnership with Jeep bicycles to manufacture and distribute the AWD technology worldwide. Christini Technologies, Inc. also sells bikes in the US and currently exports to 15 countries under the Christini brand.

Christini has also developed and implemented this shaft drive technology into motorcycles. They are currently developing an aftermarket kit that enables riders to upgrade their motorcycles to All Wheel Drive, with the ultimate goal of partnering with a large OEM to make AWD a mainstream motorcycle technology.

In his spare time, Steve enjoys outdoor sports including Wakeboarding, Snowboarding, and biking.

**TOPIC: Development & Marketing of "All Wheel Drive" in the Motorcycle & Bicycle Industry**

### Technical Chairperson

Chris Constable  
Rex Heat Treat

### Meeting Sponsors:

Solar Atmospheres, Inc.  
Struers, Inc.  
Vacuum Furnace Systems, Inc.

### Dinner Menu

Soup du Jour  
Fresh Garden Salad  
Chicken Marsala  
Oven Browned Red Skin Potatoes  
String Beans Almondine  
Brownie Delight

### Social Hour

5:30 - 7:00 p.m.

### Dinner

7:00 p.m.

Price: Members & Guests: \$24.00;  
Retirees: \$15.00; Students: \$12.00

### Reservations are necessary -

**Please make your reservations online at [www.asm-philadelphia.com](http://www.asm-philadelphia.com)**

If you have a large group or do not have access to the website, you can make your reservation by contacting Rob DeKalb at 215-542-7600.

## ASM Philadelphia Sustaining Members (2005-2006)

Air Products & Chemicals Co.  
Ajax Electric Company  
Allied High Tech Products, Inc.  
Apollo Designs  
B & G Manufacturing Co. Inc.  
Bristol Steel Treating  
Buehler, Ltd.  
Carpenter Technology Corp.  
Clemex Corporation  
Conroy Engineering Co. Inc.  
Consulting Engineers, Inc.  
Craig Clauser Engineering Consulting Inc.  
Delaware Valley Utility Advisors  
DEPTCOR - NJ Dept. of Corrections  
Donovan Heat Treating Company

Dynatec Process Systems, Inc.  
ECRI-MSLB  
Edward A. Boll Co. Inc.  
Electro Science Laboratory  
EMSL Analytical Inc.  
Exelon PowerLabs  
Forensic Sciences Inc.  
Fredericks Company  
Handy & Harman Tube Company  
Hoeganaes Corporation  
Houghton International Inc.  
Inductotherm Corporation  
Laboratory Testing, Inc.  
Leco Corporation  
Lehigh Testing Laboratories Inc.

LTK Engineering Services  
Magna-Tech P/M Laboratories  
Metlab  
National Basic Sensor  
Newage Testing Instruments, Inc.  
Penn Stainless Products  
Pressure Technology, Inc.  
Ramball Testlab, Inc.  
Rex Heat Treat  
A.L. Singmaster Personnel Svc.  
Solar Atmospheres, Inc.  
Solar Manufacturing Inc.  
SPS Technologies, Inc.  
Stork MMA Testing Labs  
Superior Tube Company

Tinius Olsen Testing Machine Co., Inc.  
Ugine Stainless & Alloys Inc.  
Vacuum Furnace Systems  
Robert Wooler Company

### Institutional Members

Drexel University  
Temple University  
University of Pennsylvania  
Villanova University  
William Tennent High School  
Williamson Trade School

## Chapter Officers 86th Year

Travis Nelson, Chairperson  
Materials Resources International

Howard Cheatham, Vice Chairperson  
SmartSense Consulting

David Von Rohr, Secretary  
Stork MMA Testing Laboratories

Tom Reid, Treasurer  
United Terex, Inc.

Robert DeKalb, Executive Secretary  
Robert Wooler Co.

Fred Klock, Exec. Treasurer  
SPS Technologies, Retired

## For more info about the ASM Liberty Bell Chapter...

Contact Chapter Chairperson Travis Nelson at  
215-631-7111 x103 or email him at  
tnelson@materialsresources.com

## Do you have news...

that should be shared with the other members  
of the "Liberty Bell" Chapter? If so, please  
send your info to Anna Whitehead at her  
email address:

aj.whitehead@att.net

Be sure to add the phrase "Item to add to the  
ASM Chapter newsletter" in the subject line.  
We'll be sure to include it in the next monthly

## Changes To Your Membership Information

Any Chapter Member who needs to make a change to their  
membership listing or to their company affiliation listing must call  
Membership Service, ASM International at 1-800-336-5152 or use  
the ASM website at www.asminternational.org. This will perma-  
nently update your information.

We depend on ASM International to receive our updated  
mailing list for this newsletter. So please do not send infor-  
mation to the return address on this newsletter.



## Chairperson's Message

April, 2006

Greetings, ASM International's Liberty Bell Chapter!

It's finally April. The Void is over. Baseball is back.

In its own unique way, our ASM Chapter will honor the  
Great American Pastime at the end of this month, as we  
tour the Battleship New Jersey and then watch the  
Camden Riversharks (an independent minor league base-  
ball team) in their Opening Night Game, followed by a fire-

works display over the Delaware River. (Only the fireworks will be over the river. You get  
to stay in your seat.) Just one short week later, we'll get together for Dinner, Drinks and  
Dancing at our annual Spring Fling, but first, we have our biggest night of the year. In  
addition to the technical talk, we'll be honoring our Sustaining Members with a mini-expo-  
sition and judging the graduate students' poster contest, with \$1000 in total prizes! In  
case you have trouble remembering all we have to do in April, I've heard that music can  
be helpful. This little ditty should help jog your memory. I think you'll know the tune: One,  
two, three, one, two three...

*Take me out to A - S - M - !*

*Sus - taining Members' Night!*

*First: Mini-Expo; Then: Technical Talk -*

*"All-Wheel Drive Bicycles"*

*(Ride them, Don't walk!)*

*But first judge, judge, judge poster con - test!*

*Three cash prizes for you grads!*

*Then a Ship - tour, ball game and fireworks*

*Twenty-one bucks? Not Bad!*

OK, so it isn't Shakespeare, but you get the point.

By the way, speaking of "sustaining" members (with a lower-case "s"), the Chapter  
could still use the support of anyone who's willing to be a meeting sponsor. Please  
contact Fred Klock if you can help.

Respectfully,

Travis M. Nelson

2005-06 ASM Liberty Bell Chapter Chairman

## Mission Statement

The Philadelphia "Liberty Bell" Chapter of ASM International supports the development and contin-  
uance of the materials industry in the Philadelphia area. Chapter activities strive to inform the local tech-  
nical community of new developments in materials, raise the visibility of the materials industry, provide edu-  
cational opportunities in materials technology, recruit new people and organizations into materials-related  
activities, and provide networking opportunities for members of the materials community. The Chapter  
works with ASM International to use our joint resources to accomplish this mission.

## Upcoming Events...

4-20-06	Thursday	<b>Sustaining Members Night</b> Topic: Development & Marketing of All-Wheel Drive in the Motorcycle & Bicycle Industry Williamson Restaurant, Horsham, PA	5:30 pm
4-28-06	Friday	<b>Tour Battleship New Jersey/Opening Night Game Camden River Sharks Baseball</b> Camden, New Jersey	4:00 pm
5-6-06	Saturday	<b>Spring Dinner Dance</b> Old York Road Country Club	6:00 pm
5-18-06	Thursday	<b>Honors &amp; Past Chairperson's Night</b> Dedicated to All Past Chairpersons, Williamson Restaurant, Horsham, PA	6:00 pm
6-5-06	Monday	<b>Golf Outing</b> Limekiln Golf Club; Shotgun start at 8:00 am	

## Two for One : one: Tour Battleship New Jersey Two: Opening Night Game Camden River Sharks Baseball w/ Fireworks

Make one trip across the Delaware River and get two great events. The Professional Development Committee is pleased to announce a tour of the historic Battleship New Jersey, followed immediately by opening night of the Camden River Sharks baseball team on Friday, April 28. The tour starts at 4:00 pm and will last approximately 2 hours. The game starts at 7:05 pm and the stadium is within walking distance of the Battleship. Further, the game will be followed by an exciting fireworks display. Because the Chapter has already made reservations, it is important to get an accurate number of attendees ASAP. Please notify Don Jordan at [dfj@solaratm.com](mailto:dfj@solaratm.com) or 215-721-1502 x 206. The price of the tour is \$11 and the game \$10. Travel is easy; the location is directly across the Delaware River from Philadelphia. A great afternoon and night out, with fellowship, all for only \$21. See you in the spring!!!

## C.F. Burns Memorial Poster Contest

The Liberty Bell Chapter will be holding its 5th annual poster contest for graduate students during our Sustaining Members Night on April 20, 2006. This will be the third year the contest is sponsored by Solar Atmospheres, Inc. Prize money will be \$500 for 1st Place, \$300 for 2nd Place and \$200 for 3rd Place. Due to limited space, we are asking students to pre-register. Space will be awarded on a first come, first serve basis. Please register your name and poster tile with Don Jordan at [dfj@solaratm.com](mailto:dfj@solaratm.com). Good luck to everyone!

## THE 19th ANNUAL GOLF OUTING

Hosted By The Greater Philadelphia Section of ASNT  
will be a joint outing with the Liberty Bell Chapter of ASM International

**MARK YOUR CALENDARS:  
WIN A SET OF GOLF CLUBS!!**

**CLOSEST TO THE PIN, LONGEST DRIVE, PUTTING CONTEST**

**Monday, June 6, 2005**

Registration - 7:00 a.m. • Golf - 8:00 a.m. (Shotgun Start) • Buffet - 1:30 p.m.

at the LIMEKILN GOLF CLUB - 1776 Limekiln Pike, Ambler, PA

The 19th Annual Golf Tournament has been scheduled and reservations are now being taken. The cost of this outing is only \$95.00, if paid by May 25, 2006, \$100.00 if paid after May 25, 2006. Price includes golf fees, golf cart, buffet, refreshments, and prizes.

Hole Sponsors are being sought for this event at all holes. The cost of becoming a Hole Sponsor is only \$85.00. A "Sponsor Sign" is included in the cost and will be displayed at your hole.

### Golf Outing Reservation, Limekiln Golf Club, Monday, June 6, 2005

RSVP: Golf/Hole Sponsor by Monday, May 23, 2005

Cost: \$95.00 - Golf & Buffet \_\_\_\_\_ (Number) \$85.00 - Hole Sponsor \_\_\_\_\_

Foursome:

Name: \_\_\_\_\_ Name: \_\_\_\_\_

Name: \_\_\_\_\_ Name: \_\_\_\_\_

Amount Enclosed: \_\_\_\_\_ Checks Payable to "Greater Philadelphia Section of ASNT"

**NOTE: Payment required by May 25, 2006 for discount. No refunds for Golf & Buffet after May 29, 2006.**

Return to:  
Anthony Gatti - Kingsbury, Inc.  
10385 Drummond Road  
Philadelphia, PA 19154

Golf Committee:  
Vince Roding (610) 461-6238  
Fred Klock (215) 659-8424  
Anthony Gatti (215) 824-4000

Directions to Limekiln Golf Club: Limekiln Golf Club is located in Horsham Township, Pennsylvania, on Limekiln Pike (Rt.#152), 1/2 mile north of Horsham Rd.(Rt.#463). Heading north, the driveway is on the right side of Limekiln Pike, across from Whitmarsh Memorial Park.

## Spring Dinner Dance

The Spring Dinner Dance is scheduled for Saturday, May 6th at 6:00 pm at the Old York Road Country Club. This annual event is always the highlight of our social program for the year. It is an evening of wonderful food and beverages with dancing until late into the evening. The cost is \$50.00 per person, please contact Jamie Jones at 215-721-1502x205 or [jaj@solaratm.com](mailto:jaj@solaratm.com).



## Materials Camp 2006

Materials Camp 2006 will run from July 10-14th at Drexel University. Applications for our Materials Camp are now available online at <http://www.asm-philadelphia.com/asm.html/materialscamp.html> or just click the link on any page of our Chapter website. Please pass this on to any High School students and teachers that you know.

## Welcome New Members

Ana E. Diaz	Professional Engineer
Paul Finestone	Hull Vac Pump Corp.
Don Robson	Robson Industries
Tom Schultz	L & L Special Furnace Co. Inc.
Terry D. Souder, Jr.	
Ed A. Wetzel	Prof. Corrosion Svc. LLC.
Patrick. Mullaney	Ugine Stainless & Alloy Inc.
Ronald Bautista	Synthes USA
Bradley L. Beach	Burpee Matls. Technology
Robert J. Doty	Burpee Matls. Technology

## American Women in Metals Industries - First Annual Table Top Trade Show - April 28, 2006

The Association of Women in the Metal Industries (AWMI - which ASM has a partnership arrangement with) is conducting their first Northeast Regional Table Top Vendor Trade show at the Sheraton Suites, 422 Delaware Ave. Wilmington DE on 4-28-06. This will be a great opportunity to meet/network with fabricators, metals sales people, service centers, and metals processing representatives. For further information, contact Ann Zanders at 973-236-1664 x355 or email her at [azanders@vdm.com](mailto:azanders@vdm.com).

## Support Our Chapter by Advertising

The Liberty Bell Chapter advertising committee is putting together the 2006-2007 chapter yearbook. If you would like more information about advertising, please contact Mike Drakeley at 215-721-1502x203 or [mjd@solaratm.com](mailto:mjd@solaratm.com).

## In Memoriam

### Ernie Schlegel

Our chapter, earlier this year, lost a very loyal local ASM member and a very frequent attendee of our monthly meetings. Ernie Schlegel was born in 1926, and joined ASM in 1969 entitling Ernie with Lifetime ASM benefits.

Ernie was a Machine Shop Supervisor at the Budd Company and it is believed that Ernie taught for many many years at the Montgomery County Community college. We will miss his presence

## Advertisers in the 2005-2006 ASM Yearbook

Air Products & Chemicals, Inc.  
Allied High Tech Products, Inc.  
Apollo Designs  
Benedict-Miller LLC  
Bennett Heat Treating & Brazing Co., Inc.  
Buehler Ltd.  
Castle Metals  
Consarc  
Consulting Engineers & Scientists, Inc.  
Craig Clauser Engineering Consulting Inc.  
Delaware Valley Utility Advisors  
Drexel Univ., Dept. of Mat. Eng.  
Electron Energy Corp.  
Evans Heat Treating Co.  
Extec- Excel Technologies Inc.  
Forensic Sciences, Inc.  
Hoeganaes Corporation  
Houghton International Inc.  
Inductotherm Corporation  
Industrial Metal Treating  
Earle M. Jorgensen Co.  
L&L Special Furnace Co., Inc.  
Laboratory Testing, Inc.  
Leco Corporation  
Materials Resources International  
Micron, Inc.  
Newage Industries, Inc.  
Penn Stainless Products  
Pressure Technology, Inc.  
Ramball Test Lab, Inc.  
Rex Heat Treat  
A.L. Singmaster Personnel Svcs.  
Solar Atmospheres, Inc.  
Solar Manufacturing Inc.  
SPS Technologies, Inc.  
Stork -MMA Testing Labs  
Struers, Inc.  
Superior Tube Company  
Tinius Olsen Testing Mach. Co., Inc.  
Vacuum Furnace Systems, Corp.  
Villanova University, Dept. of Mech. Eng.  
Westmoreland Mech. Testing Machine  
Williamson Restaurant  
Robert Wooler Company