

ASM International  
Philadelphia "Liberty Bell" Chapter  
**Newsletter**



www.asm-philadelphia.com

Thursday, April 19, 2001

## Sustaining Members Night

*Spouses and guests are invited and welcome.*

*Williamson Restaurant, Easton Road, Horsham, PA*



**Speaker:**  
DR. ALBERT SACCO, JR.  
*Center for Advanced Microgravity Materials Processing at  
Northeastern University*

**Topic:** *Microgravity Materials Experimentation  
and the Integration into the Space Shuttle Program*

Dr. Albert J. Sacco, Jr. is the George A. Snell Chaired Professor and Director of the Center for Advanced Microgravity Materials Processing at Northeastern University. Professor Sacco is a member of the United States of America Astronaut Space Shuttle Program and as a Payload Specialist was aboard shuttle flight STS-73. He has participated in fifty-two hours of low gravity aircraft flight (KC-35) where he evaluated equipment, procedures and experimentation of low gravity materials development and analysis. His topic will be on his involvement of Microgravity Materials Experimentation and the Integration into the Space Shuttle Program.

Dr. Sacco graduated (with honors) from Northeastern University in 1973 receiving a BS degree in Chemical

Engineering. He attended Massachusetts Institute of Technology where he received a PH.D. in Chemical Engineering in 1977. Among his many awards and achievements, Professor Sacco received the NASA Space Flight Medal and the Certificate of Achievement from NASA. He is a lifetime member of the Association of Space Explorers, USA; and a member of several professional societies including the American Institute of Chemical Engineers. Dr. Sacco has authored over 120 publications in the fields of carbon filament initiation and growth, catalyst deactivation, zeolite synthesis and microgravity materials processing.

### Technical Chairperson

Phil DeHennis  
Solar Atmospheres, Inc.

### Dinner Menu

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

### Social Hour

6:00-7:00 p.m.

### Dinner

7:00 p.m., Price: \$17.00  
Student/retirees: \$7.00

### Sponsors:

Rex Heat Treat Co.  
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## Chapter Officers 82nd Year

Bob Hill, Chairperson  
Solar Atmospheres Inc.

John Janiszewski, Acting Chairperson  
LTK Engineering Services

Don Jordan, Secretary  
MMA Laboratories

Scott Scheirer, Treasurer  
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Robert DeKalb, Executive Secretary  
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## We Thank These Companies for Their Support

### Meeting sponsors for the 2000-2001 year are:

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Vacuum Furnace Systems*

## Do you have news...

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

[dvua2@cs.com](mailto:dvua2@cs.com)

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 Chapter newsletter.



## Chairperson's Message

April, 2001

I write this as we emerge from winter into spring. As the days get longer and the air gets warmer, it seems appropriate that the Liberty Bell Chapter shifts gears, too. This month, our program will be less purely technical and more personal as Dr. Albert Sacco of NASA and Northeastern

University will take materials processing into outer space with his presentation.

The sustaining members' night program this month provides a great illustration of several of the benefits of ASM membership. ASM membership allows you to network with fellow practitioners of materials science. The sustaining members' exhibition before the meeting provides one of the year's best opportunities for this networking. Second, ASM membership provides a place to obtain technical information; again, the exhibition provides many member companies a chance to distribute their information. And, our technical presentation this month also provides a view of the frontiers of materials science- literally. Finally, ASM provides opportunities for fun and entertainment. While I have not heard Dr. Sacco before, I understand that his talk is highly entertaining as well as informative.

Before I close, let me recognize our sustaining members committee for their hard work in preparing this month's program. Phil DeHennis (chair), Bill Henry, and Brian Wert have worked since last year's April meeting on not just this program, but our annual sustaining member's lunch and keeping the sustaining members list up to date. The Liberty Bell Chapter has a long tradition of strong sustaining member support, and these committee members have done a great job of keeping that tradition alive.

I hope to see all of you at this month's meeting!

John Janiszewski  
2001-2002 Chairperson

## SUSTAINING MEMBERS SPOTLIGHT. . .

**Allied High Tech Products, Inc.** has been serving the metallurgical industry since 1983, providing products for Metallographic, SEM, and TEM sample preparation.

Allied manufactures its own state-of-the-art equipment including the MultiPrep™ Polishing System, and TechCut™ Sectioning Saw, as well as cut-off and slow-speed saws, mounting presses and automatic grinders/polishers. Recently, the prestigious Carl Zeiss Company chose Allied to be the only National Distributor for their **complete** line of Zeiss materials microscopes. Another highly regarded equipment line offered by Allied is the Mitutoyo family of Micro, Macro and Rockwell Hardness Testers.

In addition to equipment, Allied offers Micro-Vision™ image analysis/archiving software which generates reports using Microsoft Word and Excel.

"Our Lab's for You," has always been an invitation for customers to send their samples to Allied's laboratory technicians who develop specialized processes for them, and provide product demonstrations and training if needed. Allied's line of consumable products include a wide range of Diamond, SiC and Al2O3 blades; hot and cold mounting materials; Diamond Lapping Film; Polishing Cloths; and Polycrystalline or Monocrystalline Diamond Suspensions/Compounds. Allied's 2001 catalog is available by mail, or on-line at [www.alliedhightech.com](http://www.alliedhightech.com) in both print and CD-ROM versions. If you would like a sample of any product Allied offers, or a demonstration of their equipment, please contact the newest member of the Liberty Bell Chapter - Edward Hirsch at (800) 675-1118.

Allied High Tech Products is proud to be involved with the Liberty Bell Chapter of ASM and looks forward to a long and productive relationship with its members.

## SUSTAINING MEMBER NIGHT and MINI-EXPO

The Philadelphia "Liberty Bell" Chapter of ASM International will once again hold a Mini-exposition. The expo will be held on Thursday, April 19, 2001 at Williamson's Restaurant in Horsham, PA. **ALL** Sustaining Members are encouraged to display their products and services. We need your response by April 17th. Below is a Reservation Form to be sent in to confirm your reservation. Those members who do not already have a Sustaining Membership can apply and take advantage of the opportunity to display also.

**RESERVATION:**  Yes, I will attend (free) as my company representative.

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

Address: \_\_\_\_\_

\_\_\_\_\_

Contact: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax/email: \_\_\_\_\_

Additional members who will attend (\$17 member; \$7 retired or student).

Please send me information on become a Sustaining Member.

**DISPLAYS & EXHIBITS:** Set up starts at 3:00 pm.

Yes, we will display our products & services. ( 5:30 - 7:00 pm).

We will need a half-table (4 ft).

We will need a full table (8 ft).

We plan to bring our own booth which is \_\_\_\_\_ feet long.

We will need a 115V outlet / (bring own extension cords).

We prefer to be located away from the following competitors:

\_\_\_\_\_

**RETURN BY:** April 17, 2001

**TO:** Philip DeHennis Phone: 215-721-1502  
 fax: 215-723-6460; email: [pdehennis@solaratm.com](mailto:pdehennis@solaratm.com)  
 1969 Clearview Rd. Souderton, PA 18964

## GOLF OUTING

Coming up on May 23rd is our annual golf outing at Pinecrest Country Club. Make your reservations by contacting Glenn Derstine at Laboratory Testing at 800-219-9095.



## CARPENTER TECHNOLOGY PLANT TOUR/READING PHILLIES OUTING - JUNE 6th, 4-6 PM

*Reading Phillies VS N. Britain Wildcats  
 Starting Time 7:05 p.m.*

Set aside the late afternoon and evening of June 6th (Wednesday) for an exciting plant tour of Carpenter Technology followed by an evening game (7:05 starting time). Cartech's plant tour is scheduled to include the new VIM melting facility, plus the VAR/ESR area, plus the GFM/Rotary forges and their brand new 4500 ton forging press. We have reserved 40 seats for the Reading Phillies game. They are coming off an exciting first place finish last year and promise to offer more excitement for us in June. Call Roger Jones for a reservation and details at 215-721-1502 or e-mail him at [raj@solaratm.com](mailto:raj@solaratm.com).

## WELCOME

The Philadelphia Chapter of ASM and all its members welcome the following new members or transferred in members to the chapter in January, 2001.

- |                       |                                     |
|-----------------------|-------------------------------------|
| Gordon Chen           | Parsons Power                       |
| Keith Finkral         | College of New Jersey               |
| Robert B. Henstenburg | ETC                                 |
| Robert A. Horton      | Lockheed Martin<br>Missiles & Space |
| Rick Kane             | Rhodia                              |
| Jon Kyle Mac          | Leod                                |
| Arthur Mattia         | Action Manufacturing Co.            |
| Michael J. Murray     | Lehigh University                   |
| Sarah E. Phillips     | Naval Surface Warfare<br>Center     |
| Susan T. Roettger     | University of Pittsburg             |
| Robert L. Schulz, Jr. | Schultz Engineered<br>Products      |
| Neal A. Sondergaard   | NSWC                                |
| Joseph J. Strum PE    | Hamon Research Cottrell             |
| Pierre V. Valembos    | IDS Uniphase Corp.                  |
- On behalf of the Philadelphia Chapter, I want to welcome the above new/transferred in members, and encourage you to come out to meetings, network, and get involved with our Chapter of Excellence Award winning Chapter.
- Al Singmaster  
 Membership Chair

## CAREERS SECTION ADDED TO WEBSITE

ASM - Liberty Bell Chapter is pleased to announce a new service to its membership. A careers section has been added to our website at [www.asm-philadelphia.com/asmcareer.html](http://www.asm-philadelphia.com/asmcareer.html). Check it out!! You can look for a position, students can advertise their interest in internships or coops, and employees can advertise their need to local members and affiliates.

This Careers section has been designed and added to our website by our Webmaster, Russ Risko of Ad-Speak. . . We appreciate this new section and hope our members, sustaining member companies and local students find it useful.

Please post up to 50 words, including any links to resumes or company information.

Again, see it at [www.asm-philadelphia.com/asmcareer.html](http://www.asm-philadelphia.com/asmcareer.html).

## ADVERTISERS IN THE ASM YEARBOOK

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