

## MAY 2003 AWARDS NIGHT

### WHEN:

Thursday, May 22, 2003

### SCHEDULE:

5:00 p.m. **Social Hour**

6:00 p.m. **All You Can Eat PIZZA, SALAD & BEVERAGE**

7:00 p.m. **Speaker Presentation: Chuck Gee**

7:30 p.m. **AWARDS PRESENTATION**

### WHERE:

**Giovanni's**

9353 Claremont Mesa Blvd., (858) 279-6700

### COST:

ASM Members & Guests - \$10

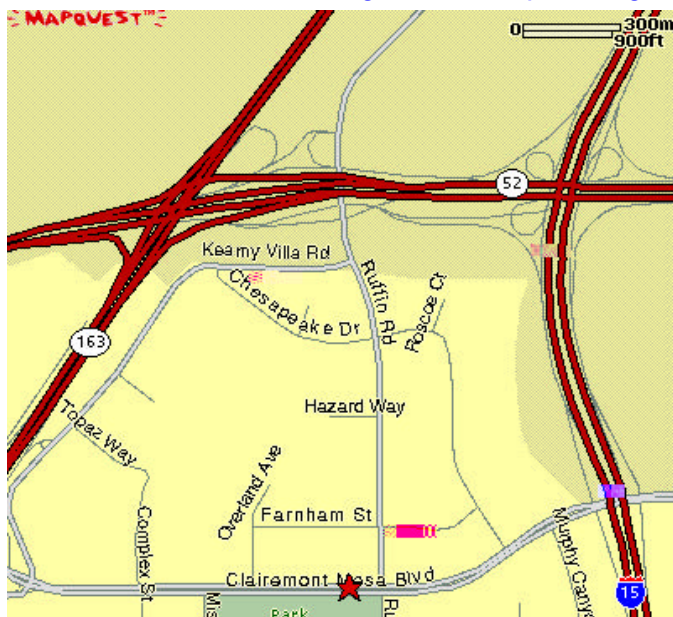
Students - \$5

Non-members - \$12

Award Recipients - FREE

### RESERVATIONS:

Call the Chapter Information Line at (619) 685-8848  
or send an e-mail to [sandiego@asmchapters.org](mailto:sandiego@asmchapters.org)



The Spring Educational Series, **CORROSION**, was a success! The chapter would like to thank once again the instructors who volunteered to lecture:

- **Dr. Jan Talbot**, Professor of Chemical Engineering & Materials Science, UCSD
- **Dr. Juan Carlos Nava**, Materials & Corrosion Consultant
- **Mr. Roger Benham**, President, Bencor Corrosion Specialists

## CHUCK GEE, General Manager

Bodycote Thermal Processing, San Diego

### ION NITRIDING

Plasma, or ion, nitriding is the most technologically advanced method for case hardening of steel components. The process is conducted in a heated vacuum chamber back-filled to a very low pressure with a gas mixture. A high voltage electrical charge forms plasma from the gas mixture and accelerates nitrogen ions through the plasma into the workpiece. This ion-bombardment process heats, cleans, and forms a hard, wear- and fatigue-resistant layer on finished or near net finished components. The advantages of plasma nitriding as compared to conventional surface hardening techniques will be presented, along with typical applications.

### BIO

Chuck Gee is the General Manager of Bodycote Thermal Processing San Diego and of Bodycote Thermal Processing Santa Fe Springs-Burke. He is a registered P.E. with a Bachelor of Science Degree in Metallurgical Engineering from California Polytechnic State University, San Luis Obispo. He also received a Masters in Business Administration from San Diego State University. With over 15 years experience in the field, his expertise includes heat treating, brazing, surface hardening, and materials selection.

## AWARDS

### MEMBERSHIP AWARDS

#### LIFE

George Rudzki  
Mervyn H. Horner

#### 25 YEAR

Robert B. Leholm  
Daniel W. Vomhof  
Barry L. Butler  
Michael T. O'Reilly

#### 15 YEAR

Mike Hellige  
Glen D. Stapleton  
Asa Yam

#### 5 YEAR

Richard J. Harms  
M. A. Melendrez

### HURLICH SCHOLARSHIP AWARD

Grace Chen  
UCSD

### SCIENCE FAIR WINNERS

Michael Zablit,  
All Hallows Academy  
(Jr. High)

Mabi Catro  
Preuss (Sr. High)

**Member Spotlight: JAMES CHAFEY**

Jim grew up on a county poorhouse farm in Pennsylvania. He attended Lehigh with borrowed money and earned a BS in Metallurgical Engineering. The military gave Jim a deferment during early WWII because he was a metallurgist at a foundry that supplied the U.S. Navy with steel, cast iron and brass valves. In mid-1944, the draft assigned him to the Manhattan Project at Los Alamos. As a full staff member, he participated significantly in the making of the atomic bombs that ended the war. After the war, he went to Columbia University and studied under Professor George Kehl, his supervisor at Los Alamos, and earned a M.S. in Metallurgical Engineering. After Columbia, Jim worked at Kennedcott Copper in Connecticut, where he developed melting and fabrication methods for titanium, zirconium and rhenium. In 1956, he came to San Diego to work on Atlas Missiles with Abe Hurlich at Convair Astronautics. Later, he went to General Atomics and solved metallurgical problems associated with gas-cooled nuclear power plants. When Jim retired in 1986, he continued consulting for several years and now enjoys bridge and travel. Jim has served as Chair of the SD chapter twice during the 60's and 70's and is a life-member of ASM.

**THE BEST METALLOGRAPHIC SUPPLIES**

\*Cutting \*Grinding/Polishing \*Mounting/Embedding  
\*Hardness Testing \*Image Analysis \*Consumables  
\*Semi-Automatic and Fully Automatic Preparation Systems

**Nancy Kacius**

Executive Account Representative  
310-320-6288, ext. 862

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



810 Sharon Drive | Westlake, OH 44145 | 888-STRUERS | Fax: 440.871.8188 | [info@struers.com](mailto:info@struers.com)

**CHUCK DRIESLER**

SALES ENGINEER  
9650 JERONIMO RD.  
IRVINE, CA 92618  
949 458-8885  
1-800 BUEHLER  
FAX 949 458-9208

[Chuck.Driesler@Buehler.com](mailto:Chuck.Driesler@Buehler.com)



**BUEHLER**

**APPARATUS AND SUPPLIES FOR MICROSTRUCTURAL ANALYSIS**

Buehler Ltd. • 41 Waukegan Rd. • P.O. Box One • Lake Bluff, Illinois 60044 USA  
Telex 210019 • Fax: 847 295-7979 • Telephone: 847 295-6500

**JACK WEST C.N.C  
PRECISION MACHINING**

*JACK WEST*

Owner/Partner

750 Design Court, Suite 102  
Chula Vista, CA 91911

Phone: (619) 421-1695      Cell: (619) 889-4292  
Fax: (619) 421-8690      Home: (619) 482-4292

**Bodycote**

**Heat Treating & Brazing**  
**plasma Nitriding & Metallurgical Coatings**

BODYCOTE THERMAL PROCESSING  
TEL 858 586 7272

7384 TRADE STREET  
FAX 858 586 7598

SAN DIEGO, CALIFORNIA 92121-2422  
[www.bodycote-na.com](http://www.bodycote-na.com)



ASM San Diego Chapter  
P.O. Box 86202  
San Diego, CA 92138-6202