

Volume 44 Issue 6

Editors: Carl Czajkowski, Mel Cowgill

NEXT MEETING Thursday, March 20, 2003 PLANT TOUR

Dayton T. Brown, Inc.

1175 Church Street, Bohemia, New York 11716

The tour will cover many of Dayton T. Brown, Inc.'s activities in their Engineering and Test Division, with an emphasis on the metallurgical aspects and the metallographic laboratory.

Tourists should plan on assembling at the plant at 6:00 pm and enjoying a pre-tour buffet dinner graciously provided by our hosts. This will be followed by a brief introductory talk, after which people will be divided into small groups of 5-10 persons. It is anticipated that the tours will be concluded around 8:00 - 8:30 pm.

In order to help with planning, people planning to attend should phone Ken Trelewicz at (631) 244-6238 or via email <u>ktrelewicz@daytontbrown.com</u>.

Please note that NO CAMERAS are permitted within Dayton T. Brown's facilities.

DIRECTIONS TO THE DAYTON T. BROWN, INC. FACILITY

Via LONG ISLAND EXPRESSWAY Take the LIE to Exit 59. Go south on Ocean Avenue. Bear left on Lakeland Avenue. Cross over Veteran's Highway. Continue South on Lakeland Avenue for two traffic lights to Church Street. Turn left onto Church Street and continue to Dayton T. Brown, Inc. (on north side of road).

Via SUNRISE HIGHWAY Take Sunrise Highway to Lakeland Avenue exit. Go north on Lakeland Avenue then turn right onto Church Street - this will be either the third or fourth traffic light, depending on whether you were travelling west or east, respectively, on Sunrise Highway. Continue on Church to Dayton T. Brown, Inc. (on north side of road).

The phone number at Dayton T. Brown is (631) 589-6300.



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OUR HOST THIS MONTH

DAYTON T. BROWN, INC. was founded by Dayton T. Brown, Sr. in 1950. It began in a 16,000-square foot building in Copiague, Long Island, equipped with a few pieces of World War II surplus equipment and subsequently developed into a 300,000 sq. ft. multi-divisional corporation in Bohemia. Today, the company, under the direction of the founder's son, Dayton T. Brown, Jr., includes four distinct business units whose operations are widely diversified:

MANUFACTURING DIVISION

This was DTB's first operational division and now has over fifty (50) years of experience providing precision sheet metal fabrication and contract manufacturing. Their products include covers, panels, doors, card cages, cabinets, frames, etc.

ENGINEERING & TESTING DIVISION

From its inception as an environmental testing laboratory, the Engineering & Testing Division has expanded its capabilities and services to accommodate short and long term design, engineering and test programs for military, government, aerospace and commercial and industrial clients.

TEST SYSTEMS DIVISION

The systems in this Division are used in development, production and overhaul facilities wherever accuracy, repeatability and durability are required in aerospace, automotive, off-highway, and industrial applications.

TECHNICAL INFORMATION DIVISION

This Division comprises a comprehensive team of subject matter experts, information developers and skilled managers, and is designed to provide comprehensive information development, management, and delivery services.

The Electronic Metallagram

The Metallagram is now available in PDF format and members can arrange to have the latest issue emailed directly to them - contact Biays Bowerman (phone (631) 344-2946; email bowerman@bnl.gov). It and some back copies can also be viewed at the Chapter's web site http://www.matscieng.sunysb.edu/asm.

2003 SPRING "HANDS ON" COURSE OFFERING	
SCANNING ELECTRON MICROSCOPY	
Location: Stony Brook University	ty Dates : <u>either</u> the first four <u>or</u> the last four Saturdays in May (your choice)
Times: meet at 9 AM on first da	y; approx. 4 hours instruction per day Cost : \$500 per person/four sessions
Instructor: Dr James Quinn, Di	rector of the Materials Characterization Laboratory, SBU (631-632-6663)
Equipment: state-of-the-art LEC	0 1550 field emission scanning electron microscope
Enrollment limit : six (6) persor	s maximum CEUs : to be announced
Course Synopsis:	
 Principles of operation Image generation Vacuum Sample preparation Secondary electron gen Gun parameters Beam current Selecting a voltage Charging Stage motion Sample coating Good/bad samples Feature size Focus/magnification Brightness/contrast Stigmation 	 3) Elemental information Energy dispersive xray spectroscopy Picking a voltage Identifying elemental peaks Quantitative analysis X-ray mapping Simulations Excitation volume Thin films 4) Samples to be examined: YOURS plus prickly Au stigmation sample Au grid magnification standard Polymer fibers Thermal spray splats
Stony Brook U Engineering B	Faraday cup Faraday cup Assorted microchips Fracture surfaces Au/Cu/Al grids for X-ray maps Quantitative X-ray analysis (brass, stainless steel) hite Science & Engineering (631) 632-3234 (phone) (631) 632-8052 (fax)

WELCOME TO THE CHAPTER!

We're pleased to welcome into the Chapter *Marc Devine of Hitemco*. Marc, you and all new members are invited to dine free at a regular meeting of your choice. Please take us up on this offer, meet with other Chapter members, and start networking.

WANTED: NEW MEMBERS FOR THE EXECUTIVE COMMITTEE - ELECTIONS COMING UP.

Contact Henry White for information and nominations: (631) 632-3234 or hwhite@notes.cc.sunysb.edu.

The LIASM Executive Committee appreciates the support received from all our advertisers. Let's make every effort to direct our business to them, if at all possible.





(1) Tony Favale addressing the joint ASM-ANS meeting on the subject of free electron lasers; (r) a pre-dinner discussion on ... what? Ken and Jason Trelewicz await SBU grad student Brian Keyes's thoughts.

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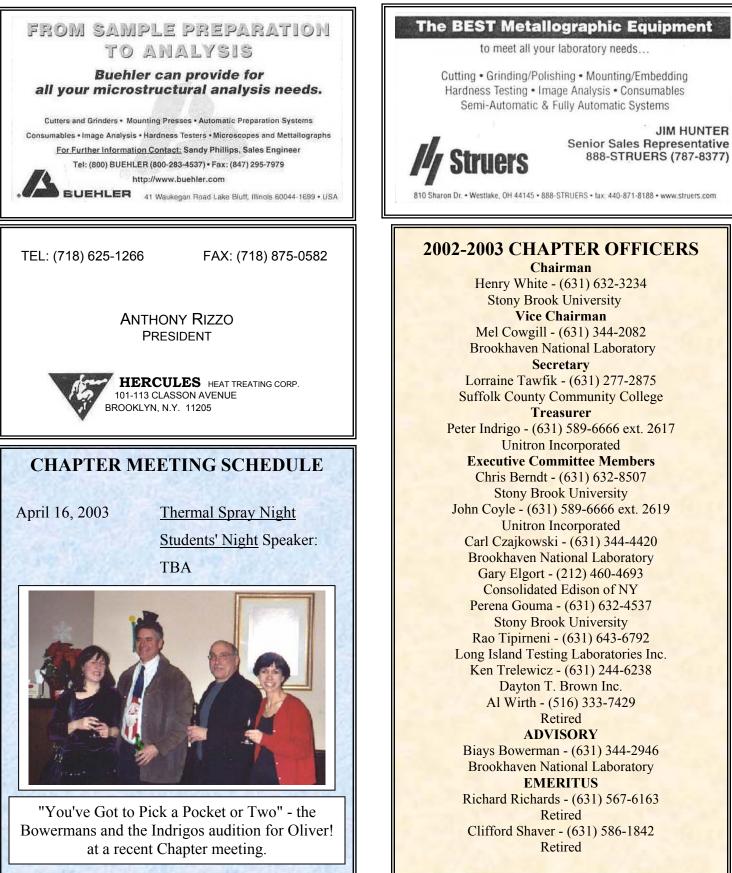
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