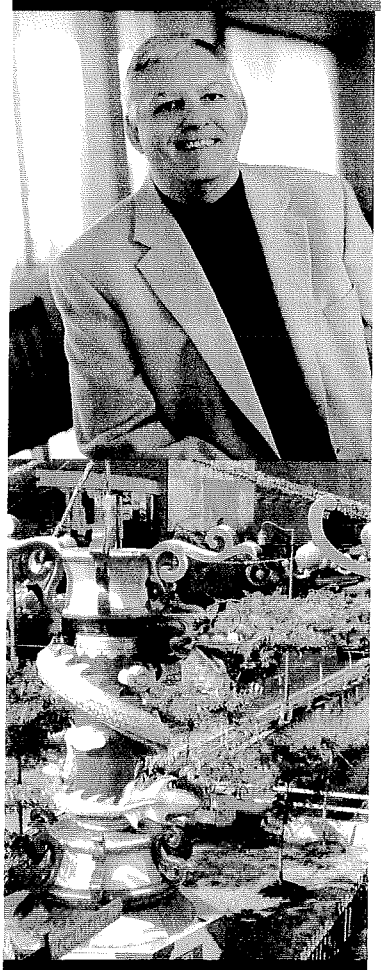
The Parting Shot

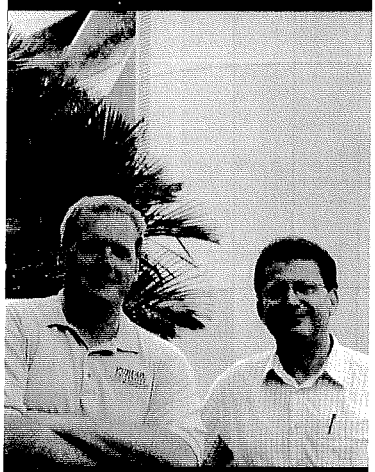
Jack Champaigne

Globe Trotting:

From California to Japan to Singapore



Singapore's Chinatown



Dave Barkley and Dr. Shaker Meguid in front of Nanyang Technological University

SAE Meeting in California

I recently attended a meeting of The Aerospace Engineering and Materials Committee in Monterey, California. This committee is custodian of many SAE specifications including all of the AMS specifications dealing with shot peening. I served as sponsor for revisions to AMS 2430. I had stated at an earlier meeting that I could make some minor changes quickly and probably get it published in six weeks. I worked on this project diligently—for six years and 14 ballots. As the project evolved it was suggested that we strive to make it acceptable to the users of MIL-S-13165 which had recently been converted to an AMS document. Upon final approval and publication I was instructed to write the cancellation notice for AMS-S-13165 with the additional annotation regarding its "Technical Equivalence". Well, AMS 2430 wasn't technically equivalent. In the meantime I have received numerous phone calls and emails regarding audits and AMS-S-13165. Small details, overlooked for years, suddenly became very important. Issues like the Almen holder thickness. The drawing shows its thickness to be ¾-inch. Once you re-grind the surface a few thousandths of an inch to get it flat again it isn't ¾-inch thick which results in an audit finding. There should have been a tolerance to allow for re-grinding. I assume that there must not be very many audits of 13165 and if there are, then the auditors hadn't, until recently, paid much attention to detail. We couldn't just cancel 13165 and leave those people at the mercy of the (new) auditors. We decided to revise 13165 and at the same time make it non-current. This status means it's not cancelled but not recommended for new designs. So, hopefully by the time you read this we will have a ballot at the SAE web site that will solve some problems.

New Japanese Distributor

Tom Brickley, General Manager of Electronics Inc., went to Japan in March to visit customers and meet with Dr. Yoshihiro Watanabe, President of Toyo Seiko, and our new authorized distributor of peening accessories for shot peening in Japan. Toyo Seiko is a major manufacturer of cut wire media and offers various testing for material properties. Toyo Seiko will be able to offer large quantities of Almen strips and gages and will also provide calibration services for the gages.

Education Opportunities in Singapore

Congratulations to Dr. Shaker Meguid of the University of Toronto, Canada. He has recently accepted a position as professor of Engineering, Mechanics and Design at Nanyang Technological University in Singapore. He was the leader of the Task Force that developed the curriculum in aerospace which will includes shot peening. First classes will commence in July of this year.

Our Senior Engineer, Dave Barkley, was in Singapore recently to visit with our distributor GT Baiker. Located at the southern tip of Malaysia, Singapore is an aerospace haven and GT Baiker provides quality services for the region's metal finishing industries. Dave met with David Lim, Lim Chen Kwee and George Tan with GT Baiker and discussed the vast opportunities to expand our efforts in the area.

Dave also met with Dr. Meguid. His conversations with Meguid included discussions about the shot peening classes in the University's curriculum and a desire to promote more educational opportunities in the SE Asia area. Dr. Meguid has agreed to co-sponsor a Singapore shot peening workshop with Electronics Inc. on February 6-8, 2006. Our previous workshops in Asia had been quite successful and we look forward to continuing our efforts in this region by enlarging the workshop to multiple classrooms so we can accommodate hands-on training with flapper peening and Almen gage calibrations.