

From the Desk of... Jack Champaigne

○ 1998 Shot Peening and Blast Cleaning Workshop

The 8th annual workshop was held in Atlanta, GA and was a success thanks to Dan Dickey of DeLong Equipment. Dan arranged a tour of the Delta Airlines facility with Neal Wright and Alan Shearer. Delta was holding a large open house and this enabled us to get a much larger tour than we normally would have received. And then, to top this off, Dan brought everyone back to DeLong for a tour of their shop and some real fine southern hospitality and a BBQ cookout.

And let me include thanks to the 21 exhibitors for the trade show. The attendees appreciated having access to the product and service information. This year we had 144 students (up from 120 last year). Check the web page and this newsletter to see who attended.

○ ICSP-7

ICSP-7 will be held in September of 1999 in Warsaw, Poland and Prof. Aleksander Nakonieczny is still requesting abstracts for presentations. Commercial display booths will also be available. This conference is held every three years. Make your plans now to attend, check your passport expiration dates. For more information see his web site at <http://www.shotpeening.com>.

○ Pete Bailey joins EI

Pete Bailey retired from General Electric in May and joined Electronics Inc. to offer on-site shot peening training. His many years of peening jet engine components and his background in 3M roto-flap peening has been especially helpful. We plan to expand the training program to include equipment audits and shot peening process review.

○ Upcoming Meetings

Next SAE AMEC meeting is at Asilimor Conference Center in Monterey, CA February 7, 8 and 9. I'll be presenting draft 6 of revisions to AMS 2430 Shot Peening specification. If you care to comment on this document call me for an advance copy.

Next SAE FD&E and Surface Enhancement Division meeting will be in Troy, MI on April 19, 20 and 21 at Chrysler Technical Center. This committee is custodian for all of the "J" specifications relating to shot peening and abrasive blast cleaning (See HS-84 Handbook on Shot Peening). The following documents are presently being reviewed: J442 Almen Strip, Holder and Gage, J443 Procedure for Using Standard Shot Peening Test Strip, J2277 Shot Peening Coverage, J2441 Shot Peening. Other future SAE FD&E meetings: Fall 1999 @ Purdue University, Lafayette, IN; Spring 2000 @ Waterloo, IA; Fall 2000 @ University of Toledo, Toledo, OH; Spring 2001 @ Detroit, MI; Fall of 1999 or 2000 possible alternate location North Dakota State, Fargo, ND.

○ Seasons Greetings to all of our readers and advertisers.

Thank you for your continued support of our newsletters, workshops and web page. May 1999 be a prosperous year to you all.

JACK CHAMPAIGNE

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Patents Granted

In the Metal Finishing Field

Printed copies of patents are furnished by the Patent and Trademark Office for \$3.00 each. Address orders to: Commissioner of Patents and Trademarks, Washington, DC 20231

Abrasive Throwing Wheel

US Patent 5,759,091 June 2, 1998

W.R. MacMillan, Tilghman Wheelabrator Ltd., Altrincham, UK

A blade for use in an abrasive throwing wheel assembly, the blade comprising a rectangular body defining a tip, a radial inner end and a pair of parallel lateral edges.

Precision Deep Peening with Mechanical Indicator

US Patent 5,771,729 June 30, 1998

P.G. Bailey and D.D. Dunkman
GE Company, Cincinnati, OH

An apparatus for producing compressive stress in a component surface comprising means to control positioning of a contact area of the component surface; at least one indenter element fixtured to contact the component surface and cause an indentation at the contact area; measurement means to measure force of the at least one indenter element as the at least one indenter element contacts the contact area; and control means to control force of the at least one indenter element at the contact area.