

From the desk of... Jack Champaigne

○ **Ricochet Club.** We are starting to get more traffic on our web site for the "Ricochet Club". This is a special email program that allows you to send one message to many people at one time. You can "bounce" your questions and ideas off of the other members. It's free. All you have to do is visit the web page and register your name as a member. Another feature of the web page, "Letters-on-Line", offers an additional way of corresponding with the shot peening community. You can post your message on one of eight forums and then wait for someone to respond. Unlike the Ricochet Club, these messages are archived and available for a long time. Multiple responses are common so you can collect various ideas from different viewpoints. Again, this service is free. All you need to do is register your name in advance so you have the "privilege" to post messages. You can visit the web site and read all of the previous messages without registering as a member.

○ **Visitors.** We were pleased to host visitors from Brazil in our Mishawaka office last month. Gilberto Alves Dos Santos from Hotwork Leyland in Sao Paulo Brasil wanted to visit the MagnaValve factory. He had purchased a shot peening machine from Febratec, our distributor in Brazil, and wanted to know more about the process and new market opportunities. If you need contract shot peening in this region, you should contact Gilberto at gilberto@hotworkleyland.com.br for more information.

○ **Travel Agenda.** Pete Bailey and I will be speaking to the Japan Society for Shot Peening in Tokyo on March 13 on "New Technologies and Best Practices of Shot Peening in the USA". Then, in September, I'll be participating in Dr. Sharma's Shot Peening and Blast Cleaning Conference in Bhopal, India and if my schedule permits, I'll then go on to Beijing for their aviation conference. In my spare time, I also plan to offer a seminar/workshop in Australia and New Zealand later this year and then in February of 2002, go down to Brazil (hopefully during Carnival). Please contact me if you would like to co-host a seminar in your country.

○ **2001 Buyer's Guide.** The 2001 edition of the Buyer's Guide should reach you before this issue of the newsletter. If you did not get a copy, call Pam or visit our web site. The Buyer's Guide is available on-line and is updated at the end of each month. We will also be offering all of the back issues of The Shot Peener (15 years) at the web site and you can download these for free or purchase them on CD for \$50 US. The files are in pdf format and range in size from 4M to 15M.

○ **Fatigue Design and Evaluation.** The next meeting of the Surface Enhancement Division of the Fatigue Design and Evaluation Committee will be held in the Detroit area on April 3rd and 4th. Several shot peening specifications will be reviewed and we will get an update from Purdue University's Shot Peening Center. Dale Lombardo will share his progress on Computer Generated Almen Saturation Curves.

○ **AMS 2430.** The aerospace specification AMS 2430 "Shot Peening" is out for ballot. For more information visit www.SAE.org.

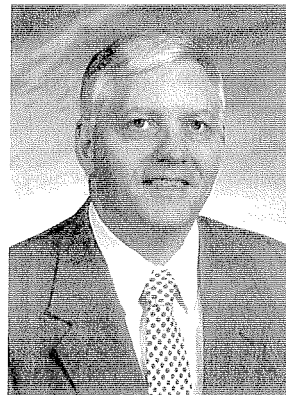
○ **Performance Review Institute, PRI,** an affiliate of SAE, has formed a task group to develop a standard practice for shot peening audits. For more information, contact Wendy Grubbs at (724)772-1616.

○ **Almen Strips On-Line.** The world's largest supplier of Almen strips (hint: Electronics Inc.) has built up their inventory in anticipation of large demand for web-based purchasing. You can order strips on-line with credit cards through our secure server connection or fax your order directly to EI. All orders can be shipped within 48 hours via UPS. Other shipping can be arranged upon request.

Foreign customers can still order from any one of our 22 distributors around the world.

○ **New Employee.** Did I mention that Jeremy Morrison, son of Bob Morrison at Wheelabrator in LaGrange, Georgia, is now working at EI? Jeremy is in sales and customer service. Please give Jeremy a call and give him a hard time. Pam tries to pick on him but needs your help. (You're welcome Jeremy. Glad you're here. Keep up to the good work. And special thanks to Bob. You did a good job on this young man.)

○ **ICSP8.** Be sure to mark your calendar for the 8th International Conference on Shot Peening to be held September 16-20, 2002 in Garmisch-Partenkirchen, Germany. Professor Lothar Wagner is chairman. For more information, visit www.shotpeening.org, the official web site of the International Conference on Shot Peening.



Letters to the Editor

Jack Champaigne
Editor of The Shot Peener

Dear Mr. Champaigne:

I have recently had some semi-elliptic leaf springs made. The spec demands shot peening. The company who made them appear to have shot blasted rather than shot peened them. Many of the indentations are irregular and seem sharp.

Am I right in thinking that shot blasting with egg chilled iron grit would actually introduce stress raisers rather than improve the fatigue life?

How can I be sure the job has been done right? Is it too late to rectify or would re-peening with the correct material save the day? What size and type of peening medium would leaf spring makers generally use? Steel is probably silico-manganese, 3/16" thick x 1.75" x 3' approx.

Would one normally blast only the side in tension on bump (rather than rebound)?

gus@nirvanah.fsnet.co.uk
Automotive industry, England

Dear Gus:

You are right about shot peening being done with round shot instead of grit. You mention that a spec requests shot peening. Can you get additional information? Normally a spec will list shot type, hardness and size plus Almen intensity and % coverage. Peening is usually only done on the tension side.

Best Regards,
Jack Champaigne