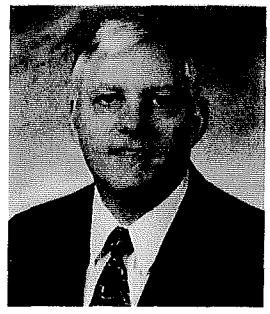
The Parting Shot Jack Champaigne



What do you need?

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What do you need to grow your business or expand your career? Training? Information? Certification? Networking? New markets? You can't help but notice as you read this **Shot Peener** that there are many opportunities. The following are just a few of the resources that can help us take advantage of the growth in our industry.

Be sure to mark your calendar for the first week in September, 2005 for the 9th International Conference on Shot Peening to be held in Paris. The organizer is Dr. Niku-Lari (Dr. Niku-Lari was chosen as one of the 2003 Shot Peeners of the Year - see the article on page 16) and the conference chairman is Volker Schulze. I have heard of several papers being prepared for this conference and I believe it will be the best conference in the series. Some of the paper topics include: Advances in Laser Shock Peening, Low Plasticity Burnishing, and finally, Non-Destructive Inspection of Peened Components in Large Volume Production.

The highly successful European Shot Peening Workshop held in Denmark last year is followed this year by a much bigger agenda and more industrial exhibits in Göteborg, Sweden. The keynote address will be presented by Per Olaf Karlsson, chairman of SPORT, the Shot Peening Operators Resource Team, a leading promoter of shot peening in the Nordic countries. Even though we hold an annual workshop in the United States, we had attendees from the U.S. at the European workshop. The reason? U.S. companies want the exposure to European trends and the networking opportunities with European companies.

Do you need information on the early history of shot peening? You can find several articles on our web site after clicking on "Learning on-line". The early days go back to the 1930's and 1940's, primarily in the automotive sector and then into aircraft power plants. The Almen gage, invented by J. O. Almen in 1942 was superseded by the #2 Almen gage design by General Motors in November of 1943, eight months before Almen's patent was issued. The media used in the "old days" was cut-wire shot and also cast iron shot, a popular material used in the foundries for cleaning of castings. You can trace the evolution of these materials and other process changes with these interesting articles and you might notice that only recently the concept of peening to achieve a particular stress profile has become popular, primarily in Europe and now increasingly in the U.S. (This concept will be covered in the Sweden workshop.)

The 2004 U.S. Shot Peening and Blast Cleaning Workshop will be held in Dearborn, Michigan. Dearborn is in the heart of the United States' automotive sector and should attract a large number of design engineers. We'll be very close to Greenfield Village, home of the Ford Museum and Edison Laboratories, a great tourist attraction.

Historically, we have focused our presentation materials on topics to educate operators and inspectors. This year, we plan to offer special presentations for product design engineers to show them the steps to consider if adopting shot peening for the first time or to a new component.

The Level I, II and III Shot Peening Exams will be offered at the 2004 Göteborg and Detroit workshops. Many workshop attendees are working toward obtaining certificates in all three exam levels. The exams are an excellent way to further your education in shot peening processes and prove your competence and expertise to employers. FAA employees receive education credits for successfully completing the workshop exams.

Special congratulations to Dr. Niku-Lari and Paul Prevey—they are co-recipients of the Shot Peener of The Year Award. Dr. Niku-Lari is a great scholar and a good friend. Niku-Lari was the impetus that started the International Scientific Committee on Shot Peening with an organizing meeting in Las Vegas, USA. The first conference was in Paris in 1981 under his direction.

I've known Paul Prevey for over 15 years and have come to see him as the world's foremost authority on x-ray diffraction stress analysis, particularly as it applies to peening and burnishing. Paul's company, Lambda Research, recently celebrated its 25th anniversary.

It's companies like Lambda Research, Malyn Industrial Ceramics, Progressive Technologies, Positron Systems, Independent Fabrication, Clemco Industries and CryoBlast that continue to expand the boundaries for us all. It is their continual striving for improvement that develops the market and demand for shot peening and blast cleaning. Don't miss their stories in this issue of **The Shot Peener**.

And finally, if someone from **The Shot Peener** contacts you for a story, consider it to be your lucky day. We look forward to another great year of sharing articles on success and innovation with you.