

2001 Shot Peeners of the Year:

Dale Lombardo, Bill A. Miller and Dr. David Kirk

We are pleased to announce that we had three recipients for the 2001 Shot Peener of the Year award: Dale Lombardo, Bill Miller and Dr. David Kirk. Dale and Bill were chosen because of their outstanding work as heads of a SAE task group. This task group will quantify the requirements for any computer software program intended to graph and interpret intensity of the Almen strip arc height data points. Dr. Kirk is a leader in his industry in his role as chairman of the International Scientific Committee on Shot Peening.

Dale Lombardo: Dale works in the Metalworking Technology Laboratory of General Electric Aircraft Engines. His activities are focused on developing manufacturing process enhancements and on testing and evaluating machine capabilities. His primary area of expertise is the development, application and testing of sensors for process measurements, and analyzing the results. He has been involved with the shot peening process since 1993.

Dale received his BS and MS degrees in Mechanical Engineering with a focus on electro-mechanical controls and instrumentation from Rensselaer Polytechnic Institute in Troy, New York. After graduating from RPI, he joined General Electric's Corporate Research and Development Center in Niskayuna, New York where he was hired as a trainee in the highly selective Advanced Technology Development Program. After completing the ATDP, he transferred to GE Aircraft Engines in Cincinnati, Ohio, where he now lives with his wife Heather and two children.

Bill Miller: Bill Miller was born in 1949 in Long Beach, California. His father was working at Douglas Aircraft (Long Beach) at that time. Both parents worked at Boeing. Bill has a Mechanical Engineering degree from the University of Alabama. He is a Member of International Scientific Committee on Shot Peening. He is Vice-Chairman of Non-Conventional Machining and Surface Enhancement for NADCAP (North American Defense Contractors Accreditation Program).

Bill has been with The Boeing Company for 25 years as of January, 2002. Among other things, they make commercial airplanes whose parts require shot peening. He works in



Bill Miller, Jack Champaigne and Dale Lombardo at the shot peening workshop.

Boeing's Manufacturing Research & Development with the job title of Process Analyst. His duties include process improvement/development, specification review/writing, vendor support, new equipment procurement support, technology development and all around question-answerer. Previously, Bill has been employed at family-owned companies: Flying School and Fiberglass Company (boats, Hovercraft, race car bodies). He also was employed by Educators Manufacturing and worked in manufacturing, assembly, and shipping—the company made modular school furniture. He has been a truck driver, a warehouse manager, and a warehouse worker (unloading rail cars). He has worked at an auto wrecking yard and for a while worked for the Unemployment Office looking for work for other people.

He is a bit of a sports car nut (owns a Caterham 7 that he built from a kit). He enjoys a nice drive through the country; just ask Jack about their trip through the English countryside.

Dr. David Kirk: As a State Scholar, David Kirk read Industrial Metallurgy at Birmingham University, U.K., receiving his first degree in 1955. A Ph.D. was awarded in 1958 for his thesis "The Hot Working of Metals". Subsequent honors included Fellowship of the Institute of Metals and election as a Chartered Engineer. After a period as a Research Fellow at Birmingham University, Dr. Kirk joined the International Nickel Company as a Senior Research Metallurgist at their Birmingham research laboratories. In 1960 he joined Coventry University as a Senior Lecturer in Metallurgy and became Chairman of the School of Materials. His research interests at Coventry University initially centered on the measurement of residual stresses in industrial components using X-ray diffractometry. He set up Coventry Science Consultants Ltd. and was its Chairman until he closed the business shortly before his retirement from Coventry University in 1998. Interest in residual stresses led to research into shot peening and the setting up of the Shot Peening Research Laboratory at Coventry University. He was Chairman of the Fifth International Conference on Shot Peening, held at Oxford University in 1993, where he was elected as Chairman of the International Scientific Committee on Shot Peening. Since his retirement, Dr. Kirk has been an Honorary Research Fellow at Coventry University and still supervises their Shot Peening and X-ray Stress Analysis laboratories. He is currently writing a book to be entitled "The Science of Shot Peening".



Dr. David Kirk