



Advice & Counsel

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Industry Stalwarts

Dear Readers,

2009 marks the 100th anniversary of AESF Foundation [formerly American Electroplaters & Surface Finishers Society (AESF) and previous to that American Electroplaters Society (AES) and previous to that the National Electroplaters Society (NES)].

In making a historical journey through the history of this magnificent organization, I have come across articles providing a rare glimpse into the backgrounds of some of the individuals in our industry that had a major impact on how things were done or why.

Over the past year, I have made an attempt at covering some of these individuals, using text previously printed in past issues of *Plating* or *Plating & Surface Finishing* magazine. Readers submitted names for inclusion in future articles. Unfortunately, I have little background information on many of these persons. I am therefore concluding this series with what I know is an incomplete effort. If any reader has anecdotal or historical information on these and other individuals who have contributed their careers and lives to metal finishing, please send me the information and I will publish it in a future update.

The individuals we have dedicated our articles to have been covered in no particular intended order. In some cases, I am assuming, based on apparent age that the individuals are no longer with us. Forgive me and let me know if you are still out there.

I end this series of articles with:

Burton G. Daw

Burton G. Daw, former President of Lasalco, Incorporated (St. Louis, MO), was born in Buchanan, Michigan in 1888, but spent his childhood in Chicago. A sickly child, he never went through the third to the seventh grade in school and when old enough worked on farms in Michigan to build his strength. Here he developed a



liking for farming that brought him to Michigan State College, then Michigan Agricultural College, for a "short horn" course in dairying and horticulture.

In 1910, Mr. Daw moved to the State of Washington, 60 miles north of Wenatchee and the same distance from a railroad, planting apple trees of the Delicious variety on 80 acres on the banks of the Columbia River.

In 1913, in Berlamont, he planted the first orchard in Michigan from which a full carload of Delicious apples were shipped. Then followed a period of ranching in Colorado and farming in Michigan and tending a service station in Chicago where he learned about DC electricity.

On December 16, 1917 Mr. Daw entered the metal finishing industry. He started work for Hanson-Van Winkle-Munning Company, in Chicago. Because of his draft status he was put on the road, and five years later he became Branch Manager of the Cleveland office.

Lasalco claimed him in 1927, first as salesman, then as Sales Manager, in 1930. Eight years later, in 1938, when Mr. Terrio died, he made arrangements to buy a controlling interest in the company and became its President.

Mr. Daw's many contributions to the plating industry were in the field of equipment. He was instrumental in bringing to the market the first plating barrel with individual motor drive, Bakelite® cylinder and hand lifting device as standard equipment.

Mr. Daw's studies of the tumbling action in barrels led to an understanding of how to choose plating loads of proper size in order to obtain uniformity of plate from piece to piece and on the same piece. In 1930, he designed and sold the first full-automatic machine for chromium plating exclusively and proved that agitation and moving cathodes helped chromium to cover better, contrary to the opinion widely held at the time. He also developed many special pieces of equipment for unusual plating applications.

A long time member of the American Electroplaters' Society, Mr. Daw was a very popular speaker on plating subjects and was often called to lecture at meetings all over the country. He was also a member of the Engineering Society of St. Louis.

Mr. Daw's hobbies covered both earth and water. In Ladue, a suburb of St. Louis, where he lived with wife and daughter, he remained a farmer at heart, gardening his side yard with the help of a small tractor. Mr. Daw also enjoyed cruising the Inland Waterways in a 26-foot, single-motor cabin cruiser, belonging to the Coast Guard Auxiliary.

I have not been able to find out as much as I would like about the following historical figures, but wish to mention them in the hopes that someone reading this will send me more information:

George B. Hogaboom



Mr. Hogaboom was the first president of the American Electroplaters Society and

co-author of *Principles of Electroplating and Electroforming*, the venerable and still timely tome co-authored with plating pioneer Dr. William Blum. The book was first published in 1924 and is still a referenced source located in most every library dedicated to the subject of electroplating.

Charles H. Proctor



Mr. Proctor was the key person in organizing a bunch of plating foremen into meeting and sharing information on a regular basis in 1909. It was through his efforts that the National Association of Electroplaters was founded in 1909, and he was the first president of this organizational "seed." The NAE eventually became the AESF Foundation over the course of the next 100 years.

Mr. Art Logozzo



Art perfected the science and mystery of hard chromium plating. His talents allowed some of the most complex parts ever seen to have a sharp cutting edge. What set Art apart from many others was his desire to share his knowledge with his contemporaries. Art wrote numerous articles and illustrated lectures on the subject for AESF.

Mr. A. Kenneth Graham

Mr. Graham oversaw and contributed to the production of the first book on the design of a metal finishing facility, as editor-in-Chief of *Electroplating Engineering Handbook*. He was President of Graham,



Savage and Associates, of Jenkintown, PA. He was Executive Secretary of the AES for six years and was the 1959 Winner of the AES Scientific Achievement Award.

Mr. Richard G. Baker, CEF-SE



Mr. Baker, was a researcher for the Corrosion Engineering and Metal Finishing Group at Bell Laboratories, Murray Hill, NJ. Dick specialized in electrodeposited finishes for electronic components, and was active in evaluating the properties of gold and also of lower-priced, reliable substitutes. Several of his papers, including one Gold Medal Award Winner, appeared in *P&SF*. Mr. Baker served on numerous occasions as an instructor of AESF's Intensive Training Course in Surface Finishing. Mr. Baker, along with industry consultant Harry Litsch, were responsible for developing the "AESF Electroplating for Electronic Applications" training course.

Mr. Jack Dini



Jack worked several decades for Lawrence Livermore Laboratories in northern

California. Jack researched and wrote a large volume of papers and texts covering a wide range of metal finishing related subjects, but especially important were articles and texts related to improved methods for the preparation of exotic substrates for accepting electroplated deposits. Jack is still with us today as a regular columnist in *P&SF*, and I frequently receive (cherished) correspondence from him.

Al Weisberg



Aside from presiding, as President, over one of the premier sources of precious metals plating chemicals and equipment (Technic Inc.), Dr. Weisberg's hobby was the history of metal finishing. Al would travel the world and spend days in libraries researching the origins of galvanic cells, rectifiers, plating barrels and other "dry" subjects. He then would turn his work into the most fascinating lectures given to AESF branches throughout the world. For example, did you know that Galvani did NOT discover the galvanic cell? It was his wife. Al was an inspiration to numerous lecturer wanna-be's including this author.

Dr. James H. Lindsay



Jim worked at General Motors Research for several decades, researching and writing numerous articles on better methods of corrosion protection for automotive hardware. A recipient of the AESF Scientific Achievement Award, he is now semi-retired but is challenged with editing and putting together the journal you are reading . . . and having fun doing it.

Mr. William H. Safranek



Bill Safranek worked numerous years at Battelle Memorial Institute researching the physical properties of electrodeposits. An AESF Past President, serving numerous years as AESF Technical Editor and recipient of the AESF Scientific Achievement Award, Mr. Safranek also wrote several articles and a book that I refer to quite frequently, *The Properties of Electrodeposited Metals and Alloys*.

Dr. Don Swalheim



Dr. Swalheim worked for DuPont, developing cyanide based electroplating processes. After his retirement, Dr. Swalheim developed the AESF Intensive Training Course in Surface Finishing and became its most famous and beloved instructor. Don also helped to train future instructors, including me.

Mr. Mort Schwartz



Mort is a past nominee for the AESF Scientific Achievement Award. He is a retired AESF instructor and one of the most

highly rated ones. The very good news is that Mort is 90 and still "kicking."

This list could go on and on, but allow me to end this series with the complete list of AESF Scientific Achievement Award winners, whose combined efforts have advanced the field of electroplating from infancy to the indispensable technology that it is today:

Dr. William Blum.....	1958
Dr. A. Kenneth Graham	1959
Dr. Charles L. Faust	1960
Dr. Abner Brenner.....	1961
Dr. W Andrew Wesley.....	1962
R.A.F. Hammond	1963
None Selected	1964
Dr. Harold J. Read.....	1965
Dr. Henry B. Linford.....	1966
Dr. Henry Brown.....	1967
Prof. Dr. Hellmuth Fischer.....	1968
Arthur H. DuRose	1969
Dr. Jesse E. Stareck.....	1970
Dr. T.P. Hoar.....	1971
Dr. Otto Kardos.....	1972
Dr. George Dubpernell.....	1973
Dr. Ernst Raub.....	1974
Fielding Ogburn	1975
Dr. Joseph B. Kushner	1976
Dr. Burton B. Knapp	1977
Dr. Frederick A. Lowenheim	1978
William H. Safranek, CEF	1979
Dr. Joseph Edwards.....	1980
Dr. Rolf Weil	1981
Fred Pearlstein, CEF	1982
Dr. Harold J. Wiesner.....	1983
Dr. Yutaka Okinaka	1984
Jack Dini	1985
Dr. Simon Wernick.....	1986
Dr. Morton Antler	1987
Dr. J.P. Hoare	1988
Dr. Huk Y. Cheh.....	1989
Dr. Tadao Hayashi.....	1990
Dr. Lubomyr Romankiw	1991
Dr. Christoph J. Raub.....	1992
Dr. David Lashmore.....	1993
Dr. David Gabe	1994
Dr. Juan Hajdu	1995
Dr. James H. Lindsay	1996
Christian E. Johnson	1997
Dr. George A. DiBari	1998
Dr. Ralph White	1999
Dr. Dieter Landolt.....	2000
Dr. Sc. Vladimir Kudryavtsev.....	2001
Dr. Branko Popov	2002
No Selection	2003
Dr. Howard W. Pickering.....	2004
No Selection.....	2005
No Selection.....	2006
Dr. E. Jennings Taylor.....	2007
Dr. Eric W. Brooman.....	2008
Dr. Donald Snyder	2009

Government Advisory Committee (GAC) Contributors

As of 1/1/10 - 2/15/10

\$100 and Above

Gilbert & Jones

Walter Guns

Leif Harland

Milt Stevenson Jr.

\$25 and Above

Jack W. Dini

Victor Fraulo

Mark Sano

Robert Sica

Scott Smith

