Institute for Sustainability Launched by AIChE

The American Institute of Chemical Engineers (AIChE), New York, NY, has started the Institute for Sustainability (IfS), following final ratification of its charter by the organization's board of directors.

IfS was formed to promote the societal, economic and environmental benefits of sustainability and green engineering in the chemical sciences. IfS will serve the efforts of engineers and scientists in industry, academia, and government working in the emerging field of sustainability.

AIChE is one of the first professional engineering societies in the U.S. to provide a forum for the engineering community to discuss and advance solutions for sustainability development efforts.

As part of its mission, IfS will:

- Provide multidisciplinary scientific and technical rigor to sustainability discussions
- Encourage the incorporation of sustainability concepts in engineering education
- Advance sustainability research and development
- Facilitate the development of measurement tools and frameworks to guide the design of more sustainable products and processes

IfS is planning workshops and conferences across the U.S. to promote the discussion of implementation of sustainable manufacturing processes and best practices for energy conservation. The forum will also be used to promote added business value through the promulgation of advanced environmental, health and safety practices.

Companies and individuals interested in participating are invited to contact the institute at 800/242-4363. More information is available at www.aiche.org.

ITSA Moves Its Offices To Fairport Harbor, OH

The International Thermal Spray Association (ITSA) and *Spraytime* magazine have moved to a larger location at 208 Third Street, Fairport Harbor, OH 44077. The move to a new 650 ft^2 facility was necessary to accommodate growth over the past five years, the announcement said.

The ITSA and *Spraytime* have been renting office space and services from ASM International since December 1998. The announcement said that ITSA fully expects to maintain its relationship with ASM International, and will continue to include ASM news and features in *Spraytime*.

For more information, visit the ITSA Web site at www.thermalspray.org, or the magazine Web site at www.spraytime.com.

Test Your Plating I.Q. #400

By Dr. James H. Lindsay, AESF Fellow

AESF History

1. What was the original name of the AESF? When and where was it incorporated?
2. What was the first branch and when was it formed?
3. What was the first journal title? What were the other three up to the present? (Hint: For the last one, see front cover of this issue.)
4. Who founded the organization?
5. In its 50th year, 1959, where did AESF have its Headquarters? Name the subsequent locations and years of occupancy.

Answers on page 18

Company News

❏ Electroplating Technologies, Ltd (ETL), Philadelphia, PA, was recently awarded a US Patent No. 6,780,302 B2. The patent describes a process for use in a continuous electrochemical treating line for treating at least one surface of a continuous web moving through an electrolytic solution contained within a tank.

ETL has named the process HydroJet™ and is seeking registration of the trademark from the U.S. Patent & Trademark Office.

The process features very close anode to cathode distances, such as a "plating gap" of 3mm or less. The process injects high concentration electrolyte into the plating gap to assure the highest rate of deposition. Also, the hydraulic stream impacts the surface of the sheet and/or strip material being plated. The jet impacting the strip removes the composite barrier layer (CBL) made up of hydrogen bubbles, a thermal heat zone and a micro-ion depletion area. The CBL naturally impedes the rate of plating or any other electrochemical process. Its continual removal enhances the rate of deposition, thereby allowing the highest efficiency possible.

ETL has partnerships underway with several companies to optimize the process in commercial plating lines, as well as other electrochemical processes.

❏ The Dow Oxygenated Solvents business is expanding its presence on the Internet with a new Web site—www.dowsolvents.com.

The site is designed to provide formulators with quick and easy access to the information needed to specify Dow Oxygenated Solvents and intermediates products, including application information, product information, literature and more. The site features standard navigation that follows the user throughout the site, allowing quick and easy movement from page to page and section to section

❏ David C. Orlowski, Rock Island, IL, a well-known authority on bearing protection

and the inventor of the bearing isolator, has published literature entitled "Introduction to Bearing Isolators … A Short Lesson in Bearing Isolation."

CEO of Inpro/Seal Company, Orlowski has spent more than 40 years working on ways to enhance and extend the service life of rotating equipment. Along the way, he conceived the bearing isolator and more than 40 other related patents.

The literature is designed to assist anyone involved in the management, maintenance, repair and operations of moors, machine tool spindles, turbines, fans, gear boxes, pumps and others types of rotating equipment used in industrial/process plants.

For more information, contact Inpro/Seal at 800-447-0524 or visit the Web site at www.inpro-seal.com.

Answers to I.Q. Quiz #400

1. The National Electro-Platers Association of the United States and Canada was incorporated as a non-profit educational association in New York on October 18, 1909.

2. The Philadelphia Branch was chartered on September, 10, 1910 (in Philadelphia, of course).

3. *Quarterly Review*, *Monthly Review*, *Plating*, *Plating & Surface Finishing*

4. Charles H. Proctor

5. Newark, New Jersey; Melmore Gardens, East Orange, New Jersey (1967-1976); Louisiana Avenue, Winter Park, Florida (1976-1984); Central Florida Research Park, Orlando, Florida (1984-2004); Maguire Blvd., Orlando, Florida (2004-).

In Memoriam

Charles T. (Charlie) Walker

Charles T. (Charlie) Walker, 89, passed away on October 12. He was the founder of Univertical Corporation, which has been a leading supplier to the metal finishing industry for more than 65 years.

Charlie started Univertical with $500 of borrowed money in 1938. In 1998, he moved the company from Detroit, MI, to a larger facility in Indiana. And, at age 86, he supported his son Chuck's decision to build a plant in China. Earlier this year, he travelled to China for Univertical's international grand opening ceremony (see July, 2004, *P&SF,* page 29).

Charlie's only formal education was a diploma in brewing technology from the Siebel Institute of Technology, Chicago, IL. Over the years, however, he made a number of important contributions to the technology of plating.

In the late 1940s, he developed the first phosphorized copper anode, which allowed the development of the bright acid copper processes that changed decorative plating.

In the late 1950s, Charlie developed the titanium anode basket, which he received a patent on in 1967. To take advantage of the titanium basket, he developed a nickel ball anode that was the forerunner of the various shapes of nickel used today. After an absence of 30 years, he reintroduced the copper ball anode in the 1970s.

In 1987, Charlie received a patent for a graphite anode basket that could be used for solder plating from solutions, which corroded titanium baskets. These baskets were used in the largest printed circuit plating shops in North America.

In recognition of his support to the metal finishing industry, Charlie received a number of awards and recognitions.

He was the recipient of the 1991 AESF Frank E. Lane Industrial Achievement Award.

He received the Award of Merit from the American Society for Electroplated Plastics in 1991.

In 2001, he received an Award of Special Recognition from the AESF Detroit Branch for more than 50 years of continuous membership.

He also received the 2002 Award of Special Merit from the Metal Finishing Suppliers' Association "in recognition of his long and meritorious contributions to the MFSA and the finishing industry."

A long-time colleague said: "Charlie has always invested his heart and money in Univertical." He did so until the very end.

Donn W. Sanford, CAE

Donn W. Sanford, CAE, former president of both the Aluminum Anodizers Council and the Aluminum Extruders Council died August 30. He was 64.

In 1975, Sanford established The Sanford Organization, Inc., a company that could manage multiple trade associations. Originally located in Rolling Meadows, IL, the company moved to its current offices in Wauconda in 1990. Sanford sold the company to Rand A. Baldwin, CAE, in 1999.

Sanford held the title of president of the Aluminum Extruders Council from 1980 until his retirement from active client service in 2000. During that time, he led the Council through a wide range of challenges and shepherded its resources, while contributing to the growth and vitality of the organization.

In 1990, leaders of the Architectural Anodizers Council approached Sanford seeking professional management services. Under his guidance, the Architectural Anodizers Council moved their headquarters from Minnesota to Illinois and changed their name to the Aluminum Anodizers Council (AAC), reflecting the broader scope of programs targeted to serve anodizers working in additional market sectors. Sanford himself served as president (chief staff executive) of AAC form 1992 to 1994, an again from 1997 to 1999.

In May 2000, Sanford's considerable contributions to the aluminum industry were recognized with the Maurice H. Roberts Award of Excellence, making him one of only five industry leaders to have been honored with the award since it was established in 1984.