Celebrating ASM’s First 100 Years in Supporting Materials Innovation

As we celebrate the 100-year anniversary of ASM International (1913-2013), we look at the many notable advancements in materials and processes technology that occurred along the way. ASM has played a significant role in this by providing a forum for bringing together engineers, scientists, and practitioners to exchange information on these advancements, and by disseminating information about them to the engineering community in general. The society, which began in 1913 as the Steel Treaters Club, also went through several changes over the years to its present ASM International. In each issue of AM&P in 2013, we are highlighting in 10-year increments significant advancements in technology, as well as advancements in the society.

Torpedo Squadron 8
One of 12 WW II paintings that appeared in Metal Progress throughout 1944. Commissioned by Tube Turns Inc. and painted by James M. Sessions, the series was titled “Highlights of World War II.” Caption for this June painting: “Commemorating the epic sacrifice made by Torpedo Squadron 8 in the Battle of Midway.”

A 36 Structural Steel Standard Introduced
ASTM publishes A 36, a structural steel specification with a minimum yield strength of 36,000 psi compared with widely used A 7 steel with a minimum yield strength of 33,000 psi.

French Metallurgists Need Help
(Aviso all French except Black Marketeers)

AMERICAN metallurgists can do a good deal by sending a small package of food monthly to save professional brothers in France. The gift box ordinarily used for evening soldiers is the right size—maximum weight 5 lb., length 12 in., circumference 36 in. It should contain some coffee, sugar, edible oil or fat, concentrated food. If you have no French friend, the ASM will provide you with a name and address.

America Victorious
Cover of the July issue of Metal Progress. The magazine contained no information about the artist, other than the small “Neff” printed on the image.

ASM Metals Review is redesigned, reduced from tabloid size to standard magazine size, with new editor Marjorie Hyslop. [She adds duties of Managing Editor of Metal Progress in 1950, becomes Director of Metals Information in 1953, and wins the H.W. Wilson Award from the ASM in 1986 for her work on the Comprehensive Index for the Metals Handbook.]

1948 Metals Handbook published in June. Revised and enlarged from the 1939 edition, the “Red Book” was 40% larger and included 603 individual contributors.

Sauveur Memorial Room at ASM Headquarters
Dedicated to Dr. Henry Sauveur, the room includes his desk at the far end, and various instruments and books. His portrait hangs over the fireplace.
New layout design for Metal Progress

The first issue of 1953 features a new layout design with text set in “Caledonia” and heads set in “Dom Casual” type faces. Color appears on text pages for the first time. January MP cover aims to convey the idea that international cooperation, symbolized by national emblems around the skirt, is an instrument of peace; design drawn on smooth sheet of aluminum foil with stylus, photographed under strong oblique light.

Aluminum in architecture

New headquarters building completed for Aluminum Co. of America (Alcoa), in Pittsburgh, Pa. Construction of the 410-ft, 30-story skyscraper was a revolutionary use of aluminum in architecture. Aluminum walls of the building are only 1/8 in. thick. The entire facade of the tower is sheathed in stamped aluminum panels finished with a gray anodic coating and fitted with aluminum windows.

First U.S. nuclear submarine

Keel laid for first U.S. nuclear submarine Nautilus (SSN-571) at General Dynamics’s Electric Boat Div. in Groton, Conn., on June 14. U.S. President Harry S. Truman watches as his initials, H.S.T., are welded onto the keel.

Medal celebrating first World Metallurgical Conference

Held in Detroit, it was the “perennial dream” of executive secretary Bill Eisenman. More than 45,000 scientists and engineers “swarmed into Detroit.”

Metal Progress editor Ernest Thum

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