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COMMITTEE B02 NONFERROUS METALS AND ALLOYS

120TH ANNIVERSARY

www.astm.org/get-involved/technical-committees/committee-b02

120TH ANNIVERSARY DINNER

MONDAY, OCTOBER 31, 2022
BOURBON HOUSE
144 BOURBON STREET
NEW ORLEANS, LA 70130

6:00 PM (CENTRAL TIME)

DINNER EVENTS

COCKTAILS AND APPETIZERS
30-45 MINUTES

DINNER
30-45 MINUTES

WELCOME REMARKS
5 MINUTES

PRESENTATION OF AWARDS
AND RECOGNITIONS
10 MINUTES

SOCIAL TIME
30-60 MINUTES\

2022 marks the 120th anniversary of one of ASTM International's oldest committees: the committee on nonferrous metals and alloys (B02). Founded in 1902, the committee, like ASTM itself, has its roots in the railroad industry, which was booming at the dawn of the 20th century. The world is a much different place now that it was in 1902, but throughout the decades, B02 has proven to be a reliable source of standards, responding to ever-changing industry needs.

The official scope of the committee notes that it is dedicated to "the development and maintenance of standards on composition, properties, dimensions, text methods, classifications, and terminology of nonferrous metals and alloys, of solder and solder fluxes and materials used in the manufacture of electrical heating devices, electrical resistance devices, electrical contact and conductors, and thermosensitive elements in thermostats."

"The committee now covers a diverse range of industries within the metal world," says Eric Boes, chair of B02 (active member since 2003). "Our largest subcommittee, B02.07, covers nickel and nickel alloys, including wrought products, such as tubing for high-performance heat-exchange applications."

The committee's earliest standard – one of ASTM's most important initial standards – is the specification for zinc (B6). This standard has its roots in an undesignated standard, the specification for spelter, dating back to 1911. Spelter is a mostly-forgotten term at this point, but it refers to zinc

cast in slabs for commercial use or crude zinc obtained in smelting zinc ores. While B6 is considered a "legacy standard" today, it is still revised as warranted by changes in the industry.

COMMITTEE B02 HAS A MEMBERSHIP OF APPROXIMATELY 200, AND HAS JURISDICTION OF OVER 208 STANDARDS, PUBLISHED IN THE ANNUAL BOOK OF ASTM STANDARDS, VOLUME 2.04.

In addition to its standards, the committee on nonferrous metals and alloys made a major contribution to the voluntary consensus standards process with its initiation of the Unified Numbering System (UNS) for metals and alloys. This led to a decade-long effort to develop a new method for identifying alloys, ultimately resulting in the 1974 publication of the Society of Automotive Engineers/ASTM Practice for Numbering Metals and Alloys.

In a February 2002 article in Standardization News, ASTM Award of Merit winner Richard Lynch, then the honorary chair of B02, provided an extensive history of the committee. In his introduction, Lynch points out that "B02 is a committee that serves a mature industry with limited growth and scarce resources, yet its members continue to find new areas where standardization is critical to their industry and its future success."

Ultimately, Lynch credits the committee members for its continued success.

"B02 has been extremely fortunate to benefit from strong leadership over the years in the form of main committee officers, members-at-large, subcommittee officers, and those who have been leaders and technical experts within subcommittees and task groups," wrote Lynch.

In considering the future of the committee, current chair Boes echoes Lynch's words, saying "The depth and breadth of the many nonferrous metals and alloys, and related product standards that are under B02's jurisdiction, provide a basis for much growth and development in the diverse industries that use these materials and standards. Products that originated with the dawn of the industrial age have become building blocks worldwide for applications spanning corrosion protecting zinc-galvanizing and nickel-based alloys for high-performance industrial products, solder materials, and refined precious metals that drive electronics and electrical connectors."

The committee values your presence and voice in developing and delivering voluntary consensus standards. Every opinion, experience, question, and concern vocalized at meetings are valued for improving product quality, enhancing health and safety, strengthening market access and trade, and building consumer confidence. Again, the committee welcomes and encourages participation from around the world to increase new standards development, professional development, collaboration, and education that helps meet your needs and respond to ever-changing industry needs.

FIRST STANDARDS

TEN OF THE ORIGINAL B02 STANDARDS ARE STILL ACTIVE WITHIN B02:

B6

Standard Specification for Zinc – originally approved in 1911.

B23

Standard Specification for White Metal Bearing Alloys (Known Commercially as “Babbitt Metal”) – originally approved in 1926.

B29

Standard Specification for Refined Lead- originally approved in 1919.

B32

Standard Specification for Solder Metal- originally approved in 1919.

B39

Standard Specification for Nickel- originally approved in 1921.

B63

Standard Test Method for Resistivity of Metallically Conducting Resistance and Contact Materials- originally approved in 1926.

B69

Standard Specification for Rolled Zinc- originally approved in 1926

B70

Standard Test Method for Change of Resistance With Temperature of Metallic Materials for Electrical Heating- originally approved in 1927.

B76

Standard Test Method for Accelerated Life of Nickel-Chromium and Nickel-Chromium-Iron Alloys for Electrical Heating- originally approved in 1929.

B77

Standard Test Method for Thermoelectric Power of Electrical-Resistance Alloys- originally approved in 1930.

NEWER STANDARDS

PUBLISHED WITHIN B02 INCLUDE:

B997

Standard Specification for Zinc-Aluminum Alloys in Ingot Form for Hot-Dip Coatings- originally approved in 2015.

B1002

B1002- Standard Specification for Refined Indium- originally approved in 2016.

B1004

Standard Practice for Contact Performance Classification of Electrical Connection Systems- originally approved in 2016.

B1007

Standard Specification for Welded Precipitation Hardenable or Cold Worked, Nickel Alloy Tube- originally approved in 2017.

B1011/B1011M

Standard Specification for Cobalt Alloy Spring Wire- originally approved in 2019.

B1013

Standard Specification for High Fluidity (HF) Zinc-Aluminum Alloy Thin Wall Die Castings- originally approved in 2020.

B1015

Standard Practice for Form and Style of Standards Relating to Refined Nickel and Cobalt and Their Alloys- originally approved in 2020.

B1020/B102OM

Standard Specification for Seamless Nickel Alloy Mechanical Tubing and Hollow Bar- originally approved in 2021.

B1022

Standard Specification for Zinc-Aluminum-Magnesium Alloys in Ingot Form for Coating Steel Sheet by the Hot-Dip Process- originally approved in 2022.

B02 ON NONFERROUS METALS AND ALLOYS

The development and maintenance of standards on compositions, properties, dimensions, test methods, classifications, terminology, and nomenclature of nonferrous metals and alloys, and of solder and solder fluxes, and materials used in the manufacture of electrical heating devices, electrical rexsistance devices, electrical contacts and conductors, and thermo sensitive elements in thermostats.

Excluded are copper and copper alloys, light metals and alloys, reactive and refractory metals and alloys, metal powders, electronic grade materials and wires, and certain accessories for use as electrical conductors.

TECHNICAL SUBCOMMITTEES

B02.02 REFINED LEAD, TIN, ANTIMONY, AND THEIR ALLOY

Scope: To develop and maintain standards on refined lead, tin, antimony, and their alloys from both primary and secondary sources, in refinery shapes and other forms. Standards shall include but are not limited to specifications, test methods, classifications, and terminologies.

B02.04 ZINC AND CADMIUM

Scope: To develop and maintain standards on zinc and cadmium and their alloys and related products.

B02.05 PRECIOUS METALS AND ELECTRICAL CONTACT MATERIALS

Scope: To develop and maintain standards for refined gold, silver, for the platinum group metals, and their alloys, and specifications for electrical contact materials, including sliding contacts and make and break contacts, and the standardization of research to accomplish the foregoing.

B02.07 REFINED NICKEL AND COBALT AND THEIR ALLOYS

Scope: B02.07 maintains one standard on refined nickel and numerous specifications for the mill product forms of a variety of nickel, nickel alloy and cobalt alloy materials. In addition, many of the ferrous alloys with high nickel contents continue to be covered by specifications under the jurisdiction of this subcommittee. These materials are used in a wide range of applications since, collectively, they offer aqueous corrosion resistance, elevated temperature resistance, high strength at both ambient and elevated temperatures, as well as fabricability. Applications for these materials include the chemical, petrochemical, power generation, industrial heating, transportation, and defense industries, as well as household consumer products.

B02.10 THERMOSTAT METALS AND ELECTRICAL RESISTANCE HEATING MATERIALS

Scope: The formulation and standardization of specifications, the development and standardization of test methods, the standardization of research and development and accumulation of engineering information to thermostat metals and resistance alloys; and the formulation and standardization of specifications and methods for testing materials used in the construction of electrical heating devices and electrical resistance devices, including methods of determining basic temperature - resistance properties of materials as well as the standardization of research and standardization of nomenclature to accomplish the foregoing purposes.

B02.11 ELECTRICAL CONTACT TEST METHODS

Scope: The standardization of methods of testing materials used in electrical contacts and connectors including sliding contacts, make-and-break contacts and static connectors and connections; the development of testing apparatus, standards of nomenclature and the stimulation of research to accomplish the foregoing; recommendations for the standardization of contact and connector performance and methods of testing.

ADMINISTRATIVE SUBCOMMITTEES

B02.90 EXECUTIVE

B02.91 TERMINOLOGY

B02.93 AWARDS

B02.94 LONG RANGE PLANNING

COMMITTEE B02 AWARD OF APPRECIATION

This award was established in 1998 to recognize significant contributions to Committee B02 on Nonferrous Metals and Alloys, one of its subcommittees or one of its activities. The contribution may be for a significant specific effort or for consistent contributions of a sustained nature over a period of time.

Committee B02 Gary M. Kralik Distinguished Service Award. This award was established in 1992 to recognize exceptional service to Committee B02, one of its subcommittees, or one of its activities. The award honors Gary M. Kralik who embodied exceptional service to B02 while serving as Chair and in other leadership positions. This award is a committee award with society recognition. In addition to the individual award presentation, the recipient's name is placed on the Kralik Award wall plaque located at ASTM Headquarters.

Committee B02 Lifetime Achievement Award. The Lifetime Achievement Award was established in 2011 to recognize lasting and significant contributions and exceptional service over many years to Committee B02, its subcommittees and/or activities. It is the highest award presented by Committee B02, and the recipient is also named an Honorary Member of B02. The award may be granted posthumously.

The ASTM International Award of Merit. Established in 1949 by the ASTM International Board of Directors, the Award of Merit is the highest society award granted to an individual member for distinguished service and outstanding participation in ASTM International committee activities. Recipients also receive the honorary title of Fellow.

B02 AWARD OF APPRECIATION

YEAR	LAST NAME	FIRST NAME, M
2022	Yem	Sereibot
2020	Glasser	Marc
2020	Hines	Joshua, C
2020	Robertson	Jessica
2019	Vangelder	Gary
2018	Burr	Matthew
2018	Lawson	Glenn
2018	Perricci	Michael, A
2017	Grubb	John, F
2017	Hottle	Keith, M
2017	McKeever	Marianne
2016	Haas	Alexandre
2016	Hahn	Ronald, A
2016	Maitra	Debajyoti
2015	Adkins	Jeffrey
2015	Bergstrom	David, S
2015	Dosdourian	Michael, J
2015	Gagne	Martin
2015	King	Dale
2015	Madden	Garvey
2015	Mincey	Jessica, L
2015	Zakrzewski	Ron
2014	Boutin	Audrey
2014	Bratland	Paal
2014	Dallin	Gary, W
2014	Hottle	Keith, M
2014	Janikowski	Daniel, S
2014	Malmgreen	John, P
2014	McCosby	Matthew, M
2011	Anderson	Graeme
2011	Aronstein	Jesse
2011	Boes	Eric, R
2011	Bringas	John, E
2011	Cole	Stephen, R
2011	Doughty	Kenneth, W
2011	Gabel	Terry, L
2011	Gold	Michael
2011	Goodwin	Scott, M
2011	Mirza	Abbas, H
2011	Odonnell	David, B
2011	Pratt	Matthew, J
2002	Gross	Douglas, K
2002	Parkinson	Larry, L
2000	Coffee	Louis, G
1998	Passmore	John

B02 AWARD OF MERIT

YEAR	LAST NAME	FIRST NAME, M
2021	Anderson	Graeme
2018	Hottle	Keith, M
2012	Katcher	Michael
2011	Potts	Bernard, L
2008	Malmgreen	John, P
2002	Kuzmech	John, M
2002	Whitcraft	Paul, K
1996	Dugan	Barry, P
1990	Lynch	Richard, F
1987	Tackett	Joseph, W
1985	Yokelson	Marshall, V
1983	Bitzer	Edward, W
1982	Carlson	Duane, C
1981	Claypool	J William
1973	Stout	Harry, H
1970	Redelfs	Robert, G
1969	Bounds	Audrey, M
1967	LeFevre	G Howard
1965	Skowronski	Stanislaus
1963	Schumacher	Earle, E
1962	Milligan	William, A
1959	Hiers	George, O
1956	Gonser	Bruce, W
1954	Thum	Ernest, E

GARY M KRALIK COMMITTEE B02 DISTINGUISHED SERVICE AWARD

YEAR	LAST NAME	FIRST NAME, M
2022	Glasser	Marc
2022	Robertson	Jessica
2022	Boutin	Audrey
2020	Hottle	Keith, M
2019	Janikowski	Daniel, S
2017	Bringas	John, E
2017	Whitcraft	Paul, K
2016	Boes	Eric, R
2015	Gabel	Terry, L
2015	Gold	Michael
2015	Mirza	Abbas, H
2014	Anderson	Graeme
2014	Perricci	Michael, A
2014	Potts	Bernard, L
2011	Dugan	Barry, P
2011	Katcher	Michael
2011	Mach	Thomas, J
2011	Malmgreen	John, P
2011	Sproles	Edward, S
2007	Parkinson	Larry, L
2006	Gross	Douglas, K
2002	Lynch	Richard, F
2001	Coffee	Louis, G
2001	Savolainen	Arnold, M
2001	Zaveri	Narendra, R
1998	Prengaman	R David
1997	Redelfs	Robert, G
1996	Kralik	Gary, M

HONORARY COMMITTEE MEMBER

YEAR	LAST NAME	FIRST NAME, M
1956	Skowronski	Stanislaus

LIFETIME ACHIEVEMENT AWARD

2020	Potts	Bernard, L
2017	Malmgreen	John, P
2016	Dugan	Barry, P
2016	Katcher	Michael
2016	Sproles	Edward, S
2015	Whitcraft	Paul, K
2014	Lynch	Richard, F

About ASTM International

Committed to serving global societal needs, ASTM International positively impacts public health and safety, consumer confidence, and overall quality of life. We integrate consensus standards – developed with our international membership of volunteer technical experts – and innovative services to improve lives... Helping our world work better.

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