

MMSA

Playing in the Dirt
Since 1910!



Who Are We?

The Mining & Metallurgical Society of America

- Founded 1908, Incorporated 2010
- Not a technical society
- Focus – Fundamental principles and issues facing the industry



History

Founded by 114 of the most prominent men in the natural resources world in 1908

Professional papers, resolutions, speeches, pamphlets on nearly every aspect of mining – helped to shape industry

- Resolutions recommending mining companies publish annual reports (1909)
- Key to the establishment of the U.S. Bureau of Mines (1912)
- Drafted post-war national policies for the mineral industry
- 1960's – involved with an overall study of the status of the mining industry in the U.S.
- 1980's – Financial support of minerals education (MII and later, MEC)
- 1990's – position papers regarding public land issues



The Medal Presentation, Biltmore Hotel, March 9, 1914

Objectives



Advancement of the Mining and Metallurgical Industries



Better Protection of Investors and Workers



Responsible Development of Mineral Resources



Increase Scientific Knowledge.



Encouragement of High Professional Ideals and Ethics

Membership



- MMSA is an invitational society
- Regular membership is about 350
- 200 hold Qualified Professionals (QP) credentials

Regular Membership

- 10 years practical experience (may include 4 years of education)
- Engineering or geoscience degree
- 5 years of responsibility
- 3 sponsors – one supervisor and at least two MMSA members
- Application reviewed by Exec Committee

QP Membership



Qualified Professional Membership

- 10 years of practical or professional experience (no undergraduate)
- 5 years of responsibility
- 3 sponsors
- Sign ethics statement
- Application reviewed and approved by QP committee

Regular Programs

The Basics



Jackling Fund

- Approximately \$1 million
- \$45k-\$60k annually
- 501(c) 6 status



Education Fund

- Approximately \$6,500
- 501(c) 3 status



WMC Fly-In

- MMSA sponsors up to 4 participants
- Legislative outreach



Position Papers



Gold Medal

- Significant contributions
- First in 1914 – only 37 medals awarded
- 5 ounces

QP Program



QP Program

- Recognized by Canada, Australia and South Africa as a ROPO

Disciplines

- Geology
- Mining
- Ore Reserves
- Metallurgy/Processing
- Environmental
- Mineral Valuation, Finance
- Minerals Project Costing, Infrastructure, Management



Continuing Professional Development

- Based on existing programs
- Focus on learning and activities relevant to discipline
- 150 hours over 3 years or 50 hours per year
- Mandatory log requirement
- Audited at least once every 7 years

Making Mud Pies with Others

MMSA Actively Seeks Opportunities to Collaborate with Other Organizations

- Women's Mining Coalition
- Society of Mining, Metallurgy and Exploration (SME)
- International Mineral Valuation Committee (IMVAL)
- Trout Unlimited
- NMA, CMA, AEMA



CONCEPT

- Attracting quality leadership and membership to industry
- Innovation and technology

MEMBER-DRIVEN TARGET ACTIVITIES

- Recruitment of young people to industry
- Professional mentoring
- Recruitment of members to MMSA
- Networking opportunities

**QUALITY
MEMBERSHIP
COMMITTEE**

MOST RECENT PROGRAMS

- Implemented pilot professional mentoring program in collaboration with the SME Young Leaders Committee

CONCEPT

- Outreach to public policy makers
- Involvement in policy making

MEMBER-DRIVEN TARGET ACTIVITIES

- Topical conferences and webinars
- Public outreach
- Position papers

GOVERNMENT
COMMITTEE

AML COMMITTEE

MOST RECENT PROGRAMS

- Abandoned Mine Land Clean-up Symposiums in 2018, 2019, 2020 (webinar) and upcoming in 2022
- Critical Mineral Webinar Series
- Collaboration with NMA & state mining associations

Protection of Investors and Workers

CONCEPT

- Focus on QP Program
- Professional education
- Public/investor education

QP Enhancement
Committee

MEMBER-DRIVEN TARGET ACTIVITIES

- Maintain a high quality QP program
- Increase and improve public perception

Next Big Thing
Committee – Due
Diligence Best
Practices

MOST RECENT PROGRAMS

- SEC SK-1300 webinar series
- ESG webinar series (upcoming)
- Due diligence best practices mini-conference
- Seeking membership with IMVAL

Abandoned Mine Land Clean-up Initiative

EPA Demonstration Projects Roundtable April 17, 2019

2018 Summit

- MMSA, CSM, Trout Unlimited
- 111 Attendees
- Golden, CO

Outcome

- Identify components of liability protection legislation (Good Sam)
- Advance process for closure of pilot projects

2019 Summit

- MMSA, University of Nevada- Reno, CSM, Trout Unlimited
- 110 Attendees
- Reno, NV

Outcome

- Update of Good Sam
- Outline criteria and release vehicles
- Identify potential candidates
- Working list of partnerships
- Establish action plan