Who Are We?

The Mining & Metallurgical Society of America

- Founded 1908
- Not a technical society
- Focus – Fundamental principles and issues facing the industry
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
Leadership Team

Executive Committee
• Amy Jacobsen – President
• Mick Gavrilovic – VP
• Jack McPartland – Secretary
• Chris Wyatt – Treasurer
• Mike Blois – Past President
• Betty Gibbs – Executive Director

Councilors
• Dayan Anderson
• Xavier Ochoa
• John Head
• Steve Hearn
• Jurgen Brune
• Barney Guarnera
• Mike Gingles
• Bill Wilson
• Tim Arnold
• Susan Wager
• Bob Cameron
• Mick McCaslin
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

Annual Council Retreats
- Strategic meetings

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

- 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
Abandoned Mine Land Clean-up Initiative

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

EPA Demonstration Projects Roundtable April 17, 2019
Moving Forward

Exploratory Committee
• Outcome: Actively pursuing opportunities for collaboration with mineral industry stakeholders

Collaboration Committee
• Brainstorming session in Jan 2019

Membership Survey
• January 2019
• 100 responses
• Provides direction from membership
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3-Legged Stool

- Fiscal Growth
- Advancement of Industry
- Responsible Development of Mineral Resources
- Protection of Investors and Workers
- FIRM Foundation
  - Ideals and ethics
  - Scientific knowledge

THE NEXT BIG THING
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

POSSIBLE COLLABORATION OPPORTUNITIES

• SME Young Leaders
• Other mining-related society local meetings
CONCEPT
• Outreach to public policy makers
• Involvement in policy making

MEMBER-DRIVEN TARGET ACTIVITIES
• Topical conferences
• Public outreach
• Social media
• Position papers

POSSIBLE COLLABORATION OPPORTUNITIES
• NMA & state mining associations
• NGOs
• Other orgs – SME, GSA, WMC

GOVERNMENT COMMITTEE –
CHAIR – Mark Jorgensen

AML COMMITTEE
CO-CHAIRS – Ann Carpenter, Paul Jones
PROTECTION OF INVESTORS AND WORKERS

CONCEPT

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

MEMBER-DRIVEN TARGET ACTIVITIES

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

COLLABORATION OPPORTUNITIES

- Partnerships with other ROPO organizations (CIM)?
- Valuation education – partner with IIMA?
- CSM – online learning services
- Infomine

QP Enhancement Committee

CHAIR – Curtis Clarke
CONCEPT

• What is the Next Big Thing for MMSA
  • QP Program
  • AML Initiative

• Suggested Target – Due Diligence
  Benchmarking, Standards, Certification???
Next Steps

1. Recruit committee chairs and members – ALWAYS IN PROGRESS
2. Initial teleconference – brainstorm - DONE
   3. Prioritize ideas – IN PROGRESS
   4. Develop an action plan - NEXT