

# Coal & Energy Division Handbook

## Volume-I

(Draft Revision 2019-2020)

### Table of Contents

1. Introduction	1
2. Governing Documents	2
--Coal & Energy Division Bylaws	3
--Duties and Responsibilities of Officers and Standing Committees	7
3. Division Awards and Award Committees	14
--Distinguished Service Award	15
--Erskine Ramsay Medal (AIME)	16
--Howard N. Eavenson Award (AIME)	19
--J.W. Woomer Award	21
--Percy Nicholls Award (AIME)	23
--Robert Stefanko Best Paper Award	24
--Rock Mechanics Award	27
4. --AIME/SME/Coal and Energy Division History	28
--Name Change to Coal & Energy from Coal Division	36

## **INTRODUCTION**

The Coal and Energy Division Handbook serves as a guide to members of the Coal & Energy Division of SME, its officers and committee members. The handbook is a work in progress and is updated periodically with new information showing the progress of the division.

The AIME (then known as the American Institute of Mining Engineers) was formed back in 1871 by just 22 engineers connected with either mining or metallurgy, primarily with a coal focus and mostly from the areas of present-day Penn-Anthracite Section of the SME. Their goal was to preserve their collective knowledge and experiences for the benefit of the future generation of engineers. By 1915, the membership grew to 5,000 and by 1985 AIME membership peaked at about 83,000. The Coal Division of AIME was formed in 1930. The AIME changed its name to the American Institute of Mining, Metallurgical, and Petroleum Engineers in 1956. SME was created out of AIME in the following year. In 2001, Coal Division's name changed to Coal and Energy Division.

The AIME, SME, and Coal and Energy Division all have a rich history. This document attempts to capture some of the past heritage within its pages.

The C&E Handbook has been split into two volumes. Volume I, with limited number of pages, contains key information, including the C&E Bylaws, duties & responsibilities of division officers and various committee members/chairs, and the description of the awards instituted in the honor of various coal division pioneers over the decades. Volume I also contains the historical time-line with a section on the name change of the Coal Division to Coal and Energy Division. The more extensive Volume II provides detail lists of past division chairs, past winners of all division awards, both in alphabetical and chronological orders. Volume II provides list of all past scholarship winners and silent auction results. Volume II also describes how the scholarship endowment was created, how division's name changed and the historical time-line for AIME/Coal Division/SME/Coal & Energy Division. A few sections, including historical time-line is included in both volumes for easy accessibility.

## **GOVERNING DOCUMENTS**

The Coal & Energy Division Bylaws follow. The duties and responsibilities of the various officers and committees are also specified at the end of this document.

**COAL & ENERGY DIVISION BYLAWS**  
**SOCIETY FOR MINING, METALLURGY & EXPLORATION, INC.**

Last Revision in December 2016

**Article I: Name and Objective**

Section 1. This Division shall be known as the Coal & Energy Division of the Society for Mining, Metallurgy & Exploration, Inc. (SME).

Section 2. The objective of the Coal & Energy Division shall be to provide a forum for those interested in any way in coal and other mining-related energy sources (including geothermal, oil sands, oil shales, coal bed/mine methane, uranium, unconventional oil sources through mining, etc.), and to advance the technologies in exploration, mining, utilization, reclamation and sustainability through meetings, programs, publications, and encouraging continuing education. Recognizing its roots in coal, the Division will further promote the use of coal as a major source of energy, to create interest in coal as a profession and to educate the public about coal.

**Article II: Members**

Section 1. Any Member or Associate-Member of SME in good standing may become a Member or Associate Member of this Division by specifying the Division as their primary area of interest with SME.

**Article III: Dues, Assessments and Disbursements**

Section 1. Dues or assessments may be fixed by the Executive Committee of the Division subject to the approval of the Board of Directors of SME.

Section 2. Disbursements. Funds received by or assigned to the Division shall be deposited with the Executive Director of SME, or at any other place and under the responsibility of an officer of the Division as deemed necessary by the Executive Committee for the efficient operation of the Division. The SME Executive Director or other responsible party shall submit a statement of receipts and disbursements to the Chair of the Division in time for a report for the annual business meeting. Disbursements from Division funds may be made by the Executive Director of SME upon the authorization of both the Division Chair and the Division Vice Chair, for such purposes as have been authorized by the Executive Committee of the Division. Exceptions to this general rule can be made by order of the Executive Committee of the Division.

Section 3. Disposal of Funds on Dissolution.

On the dissolution of this Division all funds remaining after payment of its debts and obligations shall be turned over and paid to an organization exempted under Section 501(c)(3) of the Internal Revenue Code of 1954. This section of the Bylaws is not amendable during the existence of the Division.

**Article IV: Meetings**

Section 1. The Division annual business meeting shall meet at the same time and place as the Annual Meeting of SME for the installation of officers and the transaction of any other business, and at such other times and places as may be determined by the Executive Committee or Chair.

Section 2. Notice to Division members must be given 10 days prior to a business meeting of the Executive Committee, except the regularly scheduled annual meeting from section 1 of this Article. Notice may be given by telephone, post, email to members or by notification in *Mining Engineering*. During this meeting, routine business may be transacted in accordance with these by-laws.

Section 3. For the transaction of business, the presence of at least one officer and a quorum of not less than ten (10) members of the Division or four (4) members of the Executive Committee shall be necessary. Participation via phone or internet is acceptable. Minutes must be recorded and filed with SME.

## **Article V: Officers and Government**

Section 1. The officers of the Division shall consist of a Chair, a Vice Chair, (who shall also serve as Assistant Secretary), and a Secretary (who shall also serve as Assistant Vice Chair).

Section 2. The government of the affairs of the Division shall rest on an Executive Committee, insofar as is consistent with the Bylaws of the Division and the Articles of Incorporation and Bylaws of SME.

Section 3. The Executive Committee shall consist of the officers, the Program Committee Chair, the Program Committee Vice Chair, and nine elected members. The Vice Chair shall act as Assistant Secretary and the Secretary shall act as the Assistant Vice Chair of the Executive Committee.

Section 4. The Chair, Vice Chair, and Secretary shall serve for a period of one year, or until their successors have been elected. Each elected member of the Executive Committee shall serve for a period of three years. Any vacancies occurring in the elected membership of the Executive Committee shall be filled by the Chair of the Division with an appointee to serve until the next election.

## **Article VI: Committees**

Section 1. The Program Committee shall consist of a Chair, a Vice Chair, and the Chair of each of the technical committees.

Section 2. The Technical Unit Committees are: Energy & Environment, Mine Improvements and Innovations, Mine Safety, Mine Operations, and Underground Ventilation (joint committee with M&E Division). The Executive Committee may adjust the number, topics and duties of the Technical Unit Committees as needed including creating joint committees with other Divisions.

Section 3. The Service Committees are Scholarship and Membership.

Section 4. The Award Committees are: Erskine Ramsay, Howard N. Eavenson, J. W. Woomer, Young Engineer, Robert Stefanko Best Paper, Distinguished Service, Rock Mechanics Award (joint with M&E Division), and Percy Nicholls. Appointments of committee members and chairs for the Ramsay and

Evenson Award Committees are made by the SME President with recommendations from the Chair of the Coal & Energy Division. Appointments to the Percy Nicholls Award Committee are made by the Chair of the Coal & Energy Division. Appointments to the J. W. Woomer Young Engineer Award Committee, Rock Mechanics Award Committee, and Stefanko Best Paper Award Committee shall be made by the Secretary of the Coal & Energy Division.

Section 5. The Program Committee and each Technical and Service Committee shall be headed by a Program Chair who shall serve for one year. Each Chair shall normally advance automatically from the position of Vice Program Chair of the Committee.

## **Article VII: Nominations and Elections of Officers and SME Committees**

Section 1. Each year the Division shall elect a Chair, a Vice Chair, a Secretary, and three new members of the Executive Committee.

Should the Chair, Vice Chair or Secretary be unable or willing to fulfill their duties they may resign by announcement via telephone, email or post to the Executive Committee members. The Chair, Vice Chair and Secretary may be removed by a supermajority vote of the Executive Committee. Officers removed prematurely will be succeeded by the next officer. The Secretary will be replaced by a member of the Executive Committee appointed by the chair until the next election.

Section 2. The Nominating Committee shall consist of the following Division members: Chair, Vice Chair, Secretary, and the three most recent Past Chairs.

Section 3. The Chair shall normally advance from the position of Vice Chair. The Vice Chair shall normally advance from the position of Secretary. The Program Chair of the Division shall normally be nominated as Secretary by the Nominating Committee. Should the Program Chair decline the nomination, the Program Vice Chair shall be nominated as Secretary by the Nominating Committee; if the Program Vice Chair also declines the nomination an elected member of the Executive Committee will be chosen for the Secretary position.

Section 4. The three members nominated to three-year terms on the Executive Committee shall normally be selected from among those currently serving, or in the past two years have served as Chair of one of the Technical or Service Committees. Balanced geographic and practice area (academic, government, industry, manufacturing and sales, etc.) distribution of the Executive Committee should be a strong consideration in these nominations.

Section 5. The Nominating Committee shall recommend one member each for Division Chair, Vice Chair, and Secretary, and three committee members to the Executive Committee on or before April 1. After approval by the Executive Committee, the nominees shall be announced in *MINING ENGINEERING* as described in Article VII, Section 7.

Section 6. Any members of the Division may submit nominations for one or more Division officers to the Executive Committee, and the persons so nominated shall be included in the official ballot.

Section 7. The names, photos and biographies of the nominees approved by the Executive Committee shall be published in the July issue of *MINING ENGINEERING*. Any additional nominations made in accordance with Article VII, Section 6 must be received by the Executive Director of SME, Division Chair or Vice Chair no later than September 1 of that year.

If additional nominations are not received by September 1, the President of the Society shall declare the nominees approved by the Executive Committee elected automatically.

If additional nominations are received, notice of the additional nominees for the position(s) shall then be published in the October or November issue of *MINING ENGINEERING*. If additional nominations are received for any position, the individual to serve in that position shall be elected by a vote of the Coal & Energy Division members via email or conference call before the annual business meeting.

Section 8. Appointment of the Coal & Energy Division representatives to various SME committees shall be made by the Chair of the Division.

Section 9. The Division Chair or other Nominator shall obtain acceptance from each nominee and give SME staff the proper name, title, and contact information, including email address, for each appointee.

### **Article VIII: Selection of Members and Chairs of Technical and Service Committees**

Section 1. The incoming Division Secretary, with the advice of the Committee Vice Chairs shall recommend to the Division Chair, who shall appoint two members to each Technical and Service Committee for three-year terms by September 15 of the year preceding the Annual Meeting at which the Secretary takes office.

Section 2. The Division Secretary shall recommend to the Division Chair who shall appoint a Program Committee Vice Chair on or before September 15. This position should normally be filled by a member of the Division who is currently or has within the past two years served as Chair of a Technical Committee.

Section 3. The Division Vice Chair shall appoint a Vice Chair of the Scholarship Committee, and with the advice of the Program Vice Chair shall appoint a Vice Chair for each Technical Unit Committee and Publications Committee by July 15 of the same. Normally, the Technical Vice Chair will be selected from the two members who are in their second year of committee membership.

Section 4. The Program Vice Chair and Technical Unit Committee Vice Chairs shall normally advance to Chairs of their respective committees.

Section 5. The Division Chair or the person recommending appointments shall obtain acceptance from each nominee and give SME staff the proper name, title, and contact information, including email address, for each appointee in the annual Nomination Packet.

### **Article IX: Amendments**

Section 1. Proposals to amend these Bylaws shall be made in writing to the Executive Committee. They shall be considered by the Executive Committee and announced to the members through a venue at the discretion of SME staff, such as Mining Engineering magazine, post on the SME website, or on-line, together with any comments or amendments made by the Executive Committee thereon. They shall be voted upon at the Annual Meeting of the Division or by said venue, as may be directed by the Executive Committee subject to the approval of the Board of Directors of the Society for Mining, Metallurgy & Exploration, Inc.

Section 2. Exceptions. Article III, Section 3 - Disposal of Funds on Dissolution may not be amended.

## **DUTIES AND RESPONSIBILITIES OF OFFICERS AND STANDING COMMITTEES**

### **TERM OF OFFICE**

All officers and Committee Chairs take office at the close of one Annual Meeting after the SME Annual Banquet of the previous year and leave the office at the close of the Annual Meeting of the same year. Selection of officers and Chairs is made one year in advance of the assumption of duties to enable adequate planning to be done.

### **CHAIR**

Selected by the Nominating Committee with the approval of the Executive Committee and automatically elected to office if no petition for additional nominees is received by September 1 (see Bylaws). Normally succeeds to the Chair from the position of Vice Chair.

#### **Duties and Responsibilities:**

1. Presides at all Executive Committee meetings and business meetings of the Division.
2. Appoint all necessary committees and representatives not provided for in the Bylaws. This includes ad hoc committees that may be needed during the year and the Coal & Energy Division representatives to various committees of SME as requested.
3. Fills any vacancy in the elected membership of the Executive Committee to serve until the next election.
4. Makes appointments to Percy Nicholls Award Committee and recommendations to the SME president on appointments to the Erskine Ramsay and Howard N. Eavenson Award Committees.
5. Transacts all Divisional business not specifically delegated to other officers by the Bylaws.
6. Arranges for the program of annual luncheon meeting of Division held at the conclusion of his/her term as Chair.
  - a. Speaker (if one is desired).
  - b. Invites guests (other Divisional, Society, and Institute officers) and makes seating arrangements.
  - c. Installs incoming officers at the end of the Annual Business Meeting.
7. Sends copies of all correspondence to the SME Board Secretary, Treasurer, Vice Chair, and Executive Director of SME.
8. Acts as Chair of the Nominating Committee (Bylaws Article VII, Sections 2, 5.).

### **VICE CHAIR**

Selected by the Nominating Committee with the approval of the Executive Committee and automatically elected to office if no petition for additional nominees are received by September 1 (see Bylaws). Normally succeeds to ViceChair from the position of Secretary (see Bylaws).

### **Duties and Responsibilities:**

1. Serves as a member of the Executive Committee and assists the Chair as needed. Helps prepare agenda for the Executive Committee meetings and prepares and distributes copies of meeting minutes to Executive Committee members and the Executive Director of SME. Helps prepare agenda for Division business meetings and prepares and distributes copies of meeting minutes to attendees at the meeting, to Executive Committee members, and to the SME Executive Director. Keeps current files of the Division.
2. With the advice of the Program Vice Chair and the current Technical Unit Committee Chairs shall appoint a Vice Chair for each Technical Unit Committee by July 15 (Bylaws Article VIII, Section 3).
3. Obtains acceptance from Vice Chairs of Program, Technical, and Service Committees and gives the SME staff the proper name, title, and contact information, including the email address of each appointee, notwithstanding the fact that these Vice Chairs normally advance to Chair of their respective Committees.
4. Makes clear to the Committee Vice Chairs the objectives of the committee activities during the coming year.
5. Stands ready to assume the office of Chair in case of resignation, death, or disability of the incumbent Chair or to take his/her place during temporary absence.
6. Performs such other duties as may be assigned by the Division Chair.
7. Sends copies of all correspondence to the Chair, Secretary, and to the Executive Director of SME for records.
8. Functions as Newsletter Editor and is responsible for preparing or selecting authors to prepare the Coal & Energy Division Views page in *MINING ENGINEERING*. This responsibility begins with the March issue and ends with the February issue.
9. Not later than August 1, submits for approval to the Executive Committee all proposed appointments that are subject to Executive Committee approval. Barring Executive Committee's disapproval of any such nomination, the Vice Chair shall make the appointments by September 1.

### **SECRETARY**

Selected by the Nominating Committee with the approval of the Executive Committee and automatically elected to office if no petition for additional nominees are received by September 1 (see Bylaws). Normally selected from among those who are currently serving or in the past two years have served as an elected member of the Executive Committee.

### **Duties and Responsibilities:**

1. Member of the Executive Committee.

2. With the advice of Committee Vice Chair and the Division Chair shall appoint two members for three-year terms to each Technical Committee and the appropriate Service Committee by September 15 of the year preceding the Annual Meeting at which he/she takes office as Secretary. Provides SME staff the proper name, title, address, telephone number, fax number, and e-mail address of each appointee.
3. With the advice of Vice Chair, shall appoint a Program Committee Vice Chair on or before September 15. The position should normally be filled by a member who is currently or has within the past two years served as a Chair of a Technical Unit Committee.
4. Stands ready to assume the office of Vice Chair in case of resignation, death, or disability of the Vice Chair or to take his/her place during a temporary absence.
5. Performs such other duties as may be assigned to him/her by the Chair. Normally will serve on any Topical or Regional Meeting planning committee at which the Coal & Energy Division will have a programming role.
6. Sends copies of all correspondence to the Chair, Vice Chair, and to the SME Executive Director for records.

## **PROGRAM CHAIR**

The Program Chair is automatic from Program Vice Chair at the Annual Meeting. The term is for one year. The Division Secretary, with the advice of the Division Vice Chair, shall appoint a Program Committee Vice Chair on or before September 15.

### **Duties and Responsibilities:**

1. Member of the Executive Committee.
2. Represents Coal & Energy Division on SME Program Committee.
3. Coordinates joint session between Coal & Energy Division and other Divisions within SME.
4. Coordinates through the Technical Unit Committee Chairs the program for various meetings. Sets the technical program theme if needed.
5. Responsible for scheduling sessions.
6. Organizes programs with Technical Committee Chairs for the Annual Conference. Responsible to see that the program kits including deadline schedule and criteria for submitting abstracts, preprints and peer reviewed papers are sent to each Session Chair by the SME staff.
7. Assembles and sends to SME Program Manager a tentative program for the SME Annual Meeting by the deadline specified by the Program Committee.
8. Sees that the SME Program Manager receives all abstract forms by the established deadline.
9. Submits written report of program activities to the Coal & Energy Division Chair at the Annual Business Meeting.

10. Sends copies of all correspondence to the Division Vice Chair and to the SME Executive Director for their records.

## **PROGRAM VICE CHAIR**

Appointed by the Division Secretary with the advice of the Division Vice Chair on or before September 15 (Bylaws Article VII, Section 2.). The Program Vice Chair shall normally advance to Chair of the Program Committee. During his/her year as Vice Chair, he/she will assist the Program Chair wherever possible, learning responsibility for the SME Annual Conference program.

## **TECHNICAL UNIT COMMITTEE CHAIRS**

The list of Division technical unit committee includes Mine Safety, Energy & Environment, Mine Operations, Mine Improvement & Innovations, and Underground Ventilation (joint committee with M&E Division)

Automatic from the Vice Chair of the respective Technical Unit Committee (the UVC Chair alternates annually with a member of the Mining and Exploration Division). Each Technical Committee Vice Chair is appointed by the Division Vice Chair with the advice of the Program Vice Chair by July 15 (see Bylaws).

### **Duties and Responsibilities:**

1. Responsible for the proper functioning of his/her Committee and for maintaining communications between the Technical Unit Committees, his/her Committee Vice Chair, the Program Chair, the Division Vice Chair, and the SME Executive Director.
2. Serves as a member of the Program Committee and assists the Program Chair in assembling an interesting and timely program and obtaining authors for the SME Annual Conference & Expo. Program goals should be finalized by the deadline established by the SME Program Committee. Each Technical Unit Committee Chair should advise the number and focus of sessions desired and the number of papers planned for the SME Annual Conference.
3. Program Chair responsible for seeing that all authors receive a copy of the program forms for the SME Annual Conference for completion by deadlines established by the SME Program Committee.
4. Responsible for appointing Session Chairs who preside over the appropriate sessions at meetings and who see that proper arrangements are made for the sessions.

## **TECHNICAL UNIT COMMITTEE VICE CHAIRS**

Appointed by the incoming Division Vice Chair with the advice of the incoming Program Vice Chair by July 15. Normally succeeds to Chair of the Committee for the next year.

### **Duties and Responsibilities:**

1. Assist Committee Chairs.

2. Supply information to the SME Staff not later than January 31 for the Annual Review in *MINING ENGINEERING*.
3. Begin to function in capacity of Program Chair several months before taking office to enable timely planning to be done for the Annual Meeting.

## **NOMINATING COMMITTEE**

The Nominating Committee consists of six members: the three immediate past Division Chairs, the present Chair who will act as Chair of the Nominating Committee, the Vice Chair, and the Secretary.

### **Duties and Responsibilities:**

The Nominating Committee shall report to the Executive Committee on or before April 1 its nominees for the following offices:

1. Chair
2. Vice Chair
3. Secretary
4. Three incoming members of the Executive Committee

### **Criteria for nominations:**

1. The Chair shall normally advance from the office of Vice Chair.
2. The Vice Chair shall normally advance from the office of Secretary.
3. The Secretary shall normally advance from the office of Program Chair of the Division. Should the Program Chair decline the nomination, the Program Vice Chair shall advance; if the nomination is again declined a nominee shall be selected from among those who are currently serving, or in the past two years have served as an elected member of the Executive Committee.
4. The three nominees for the Executive Committee shall normally be selected from among those currently serving, or in the past two years have served as Chair of one of the Technical or Service Committees.
5. Balanced geographic and practice area (academic, government, industry, manufacturing and sales, etc.) distribution of the Executive Committee should be a strong consideration in these nominations.

## **SERVICE COMMITTEE**

### **Membership Committee Chair**

Automatic from Vice Chair of the Membership Committee. Membership Vice Chair is appointed by the Division Vice Chair.

**Duties and Responsibilities:**

1. Members are appointed to the Committee by the incoming Division Secretary.
2. Sees that the Local Sections in his/her area actively campaign for new members.
3. Be available to advise and help sections and subsections in recruiting new members who are coal & energy industry oriented.
4. Keep Vice Chair and SME Executive Director informed of progress.
5. Report membership activities in writing to the Division Chair at the Annual Business Meeting.

**Scholarship Committee Chair**

Automatic from Vice Chair of the Scholarship Committee. The Vice Chair is appointed by the Division Vice Chair with the approval of the Executive Committee.

**Duties and Responsibilities:**

1. Write letters to all members of the Coal & Energy Division and coal companies soliciting funds to provide scholarships to deserving students interested in areas/topics covered by the Coal & Energy Division.
2. Prepare written report of activities and funds for the Annual Meeting.
3. Send copies of all correspondence to Secretary-Treasurer and to the Executive Director of SME for their records.
4. Receives all applications for scholarship funds and with his/her Committee selects the recipients in accordance with established selection criteria and the funds available at that time, as determined by the Executive Committee at the Annual Meeting. Reports to Coal & Energy Division Chair and Vice Chair (for distribution of information to the Executive Committee) the names of the recipients and schools and the amounts of each scholarship to be awarded during the next year.
5. Scholarships managed by the Committee include the C&E Division Scholarships (jointly funded by the Division and the Howard N. Eavenson Fund of AIME), the John Sidney Marshall Scholarships, and any other scholarships that may be added in the future.

**NEWSLETTER EDITOR**

This function is the responsibility of the Division Vice Chair.

**Duties and Responsibilities:**

1. Responsible for the editorial "Coal & Energy Division Views" in *MINING ENGINEERING* from the March issue through the following February.
2. Articles must be reviewed by another Coal & Energy Division Officer before publication.
3. The Technical Unit Committee Chairs assist in selecting authors and articles.

## **SME COMMITTEES**

The Chair with the approval of the Executive Committee shall appoint representatives as necessary to serve a term on SME Committees as requested by the SME President. This list currently includes the following SME Committees:

1. Government Relations and Public Affairs Committee (1 member, two-year term)
2. Information Publishing Committee (3 members, three-year term)
3. *MINING ENGINEERING* Committee (1 member, two-year term)
4. Professional Engineers Exam Committee (3 members, three-year term)
5. Sustainable Development Committee (1 member, two-year term)
6. Accreditation & Curricular Issues Committee (3 members, three-year term)
7. Research Committee (3 members, three-year term)
8. Student Affairs Committee (3 members, three-year term)

## **C&E AWARD COMMITTEE**

The Coal & Energy Division gives out a total of seven awards, including three AIME awards. The awards are listed below in the alphabetical order.

- Distinguished Service Award
- Erskine Ramsay Medal (AIME)
- Howard N. Eavenson Award (AIME)
- J. W. Woomer Young Engineer Award
- Percy Nicholls Award (AIME; Joint Award by SME and ASME)
- Rock Mechanics Award (with Mining & Exploration Division)
- Stefanko Best Paper Award

Histories and the achievements of Erskine Ramsay, Percy Nicholls, Howard Eavenson, J.W. Woomer, and Robert Stefanko are included for each of these named awards.

## **A. Coal & Energy Division Distinguished Service Award**

The Coal & Energy Division Distinguished Service Award was established in 1989. It is presented to an individual for achievements in the coal mining industry. The award consists of an engraved plaque to be presented at the annual Coal & Energy Division luncheon. Cost of the award is to be covered by general Coal & Energy Division funds. Presentation of the award is to be made during the Coal Luncheon at the Annual Conference.

### **Eligibility**

The award is limited to SME members. Members of the current Award Committee are ineligible for the award.

### **Selection Process:**

Election to this honor is by the Coal & Energy Division Distinguished Service Award Committee with notification to the SME Executive Committee. The Award Committee is to consist of the following eight (8) Coal & Energy Division officers: Current Chair (Committee Chair), Past Chairs (2) for the past two years, Vice Chair, Secretary, and Outgoing Elected Executive Board Members (3).

The Award Winner is to be chosen by the SME Board of Directors upon recommendation of the Award Committee. The Award is to consist of a suitable plaque engraved with the award winner's name and the year of the award. The award need not be given each year.

### **Duties and Responsibilities of Committee Members:**

1. Schedule - The Chair shall issue a call for nominations by June 15. The first ballot listing all nominees shall be distributed by July 15. Final voting, including a second ballot if necessary, is to be concluded by August 30.
2. Candidates - Each committee member may submit one candidate. Candidates may also be nominated by other SME members. Each submission must be made on the standard nominating form. If the standard form is not used, the Chair must contact the nominator and request resubmission of the nomination.
3. Restrictions - The award is limited to SME members. A further restriction is that members of the current Award Committee are ineligible for the award.
4. Method of Selection Upon receipt of the nominating forms the Committee Chair shall distribute these to the committee and ask for then ask each member for their ranking of the nominees (first, second, third, etc.). Each Award Committee member shall assign one point for a first-place vote, two for a second-place, and three for a third-place vote, etc. The Committee Chair shall collect the votes and develop an aggregate score. The nominee with the lowest aggregate score will be the winner. In cases of a tie or close vote for first place, only the top candidates will be referred to the Award Committee for another round of voting using the procedures outlined herein. In the event of a second tie or close vote, the Committee Chair will select the winner from the top candidates.
5. Duties of the Chair - after the selection is made:

- a. Notify the Committee of the voting results.
- b. Notify SME Executive Director of the results. SME Director will request SME Board approval.
- c. Notify recipient after SME Board approval. Be sure the recipient will attend Coal & Energy Division Luncheon to receive award.

*The list of past award winners is provided in the Volume-II of this Handbook.*

## **B. Erskine Ramsay Medal Award (AIME)**

The AIME Erskine Ramsay Medal was established in 1948 in honor of the mining engineer and philanthropist, Mr. Erskine Ramsay. It recognizes distinguished achievement in coal mining, to include bituminous, sub-bituminous, lignite and anthracite coal, and may be awarded from time to time upon affirmative advice from the Board of Directors and under the conditions as herein defined. The medal is accompanied by an engrossed diploma containing a citation of the service or achievement upon which the award is based.

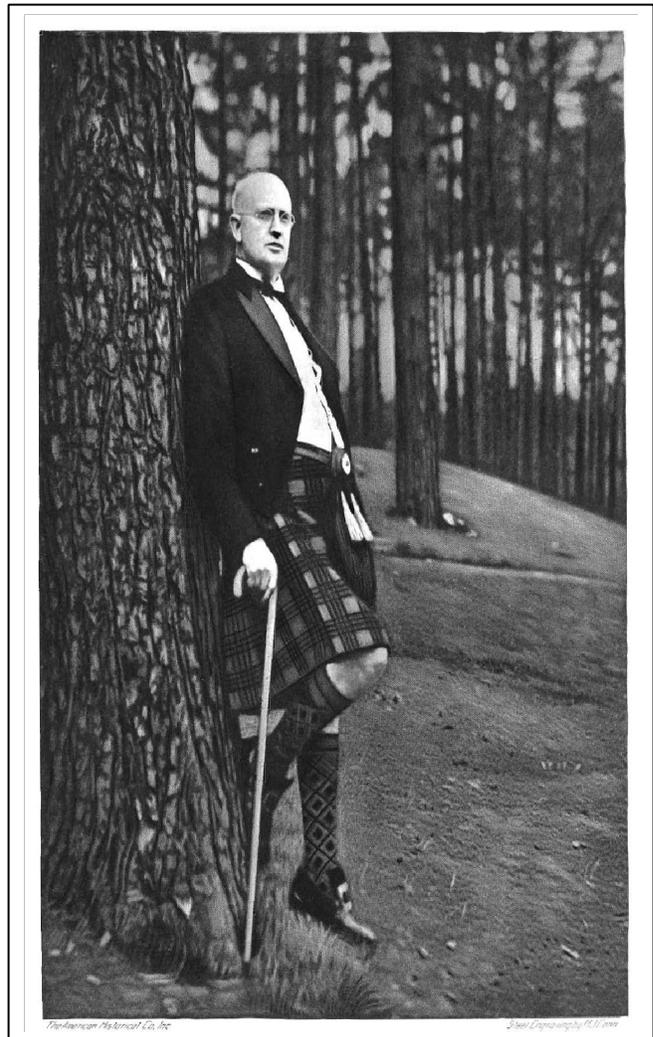
### **Who was Erskine Ramsay (1864-1953)?**

Erskine Ramsay was a mining engineer and a philanthropist.

The following information is taken from [www.samford.edu/groups/amhf/id42.htm](http://www.samford.edu/groups/amhf/id42.htm)

“Many northerners were drawn to the South by its natural resources during the industrial boom of the late nineteenth century. Some came as outsiders to exploit, while others committed themselves to the interests of the new community. Erskine Ramsay, one of the latter, became a major contributor to the welfare and future of his adopted state.

Born of working-class immigrant parents at Pittsburgh, Pennsylvania, on September 24, 1864, Ramsay learned mining on the job from his father and uncle. His formal education was built upon the school of hard work, as well-as he rose to the top of his class while laboring to supplement the family income and pay for his own education. Hard work and knowledge would serve him well throughout his life. Advancing quickly in the mining industry, Ramsay filled a supervisor's post by the age of twenty, earning him the sobriquet "youngest mine superintendent in history" and accolades from such industry notables as Henry Clay Frick and Andrew Carnegie. Leaving their association for



Southern fields in 1887, Ramsay accepted a position with the Tennessee Coal, Iron, and Railroad Company as an engineer and superintendent of Pratt Mines in Birmingham.

Thereafter, his professional contributions ranged beyond management and administration to the technical aspects of engineering, as reflected by a host of inventions that made solid contributions to the industry. His concepts improved efficiency, produced a better quality product, saved labor, increased profits, subsidized higher wages, and contributed to safety. His success made him the target of mining companies all over the world, but highly attractive offers and higher pay could not lure him away from his adopted state.

Ramsay's dedication to his new home and its resources is reflected by generous gifts to both public and private enterprises at all levels. Colleges and universities, churches, boys clubs, and hospitals benefited from his contributions. Sharing his valuable time and energy, as well as financial resources, he served as president of the Birmingham Board of Education, as Alabama State Mine Examiner, and - for one brief year (1907)- as head of the Republican National Committee. Amid continual pressure to run for such other offices as mayor, senator, and governor, he steadfastly refused, saying that he was just a mining engineer.

Civic, education, religious, humanitarian, and social groups bestow upon such men awards far too numerous to list. For Ramsay, one he held especially dear deserves note: The William Lawrence Saunders Gold Medal of the American Institute of Mining and Metallurgical Engineers. Erskine Ramsay was inducted into the Alabama Men's Hall of Fame in 1998.”

More information can be found in his biography: Childers, James Saxon. Erskine Ramsay: His Life and Achievements. New York: Cartwright and Ewing, 1942. A more detailed summary of his life is available in the Encyclopedia of Alabama (<http://www.encyclopediaofalabama.org/article/h-3025>).

### **Eligibility:**

1. There are no limitations regarding nationality, membership in AIME Member Societies, or otherwise. All other factors being equal, it is suggested that preference be given to members of AIME.
2. A candidate must be a living person able and willing to present himself/herself in person to receive the award at the time and place designated by the Board of Directors. However, the death of a candidate subsequent to May 1 does not render him/her ineligible during that year; and if he/she is duly selected for the award, the presentation shall be made posthumously in accordance with special procedure to be prescribed by the Board of Directors.
3. No person who has been awarded any of the nine major AIME awards (Douglas, Saunders, Lucas, Rand, Ramsay, Richards, Fairless, Hardinge and McConnell) is eligible for consideration for any other of the eight honors. To avoid the possibility of one person being considered by more than one committee of the award at the same time, the Chair of each of the nine committees, between the 15th and 25th day of May each year shall communicate in writing to the Chairs of the other eight committees the names of the persons on the "Active List" for consideration by his/her committee for the current year; and should it appear that any individual be a candidate for more than one award, the nine Chairs, as a special committee, shall determine on which eligible list the candidate should be retained for that year. In the event of failure to agree, advice may be asked of the Board of Directors.

## **Selection Process:**

- The Award Committee shall consist of nine members of SME, two appointed annually by the President, subject to the approval of the Board of Directors. The tenure of office shall be four years. The President of SME shall be an ex officio member of the Award Committee (included in the nine members).
- Any vacancies occurring shall be filled by the SME President, subject to approval of the Board of Directors.
- Committee members shall be people interested in the production, beneficiation, or utilization of lignite, bituminous, or anthracite coal. While the majority of the members of the Committee shall be identified with lignite or bituminous coal, an effort should be made as well to include members identified with anthracite coal. Geographical distribution of membership shall be as wide as practicable (foreign members shall not be excluded.)
- The President of SME will submit to the Board of Directors the name of the Chair of the Committee, to be selected from the senior group of membership.

## **Duties and Responsibilities of the Committee Members:**

1. If, after the meeting of the Board of Directors, the Committee received affirmative advice from the Board of Directors that an award may be made, and the Committee is directed to undertake the selection of a candidate, the procedure shall be as follows:
  - a. By February 15, the Chair of the Committee shall send to each member the names of those living candidates then on the Active List as mentioned under Rule 3 above, and shall invite further nominations from the members of the Committee. Such nominations should be in the hands of the Chair before May 15, and shall be accompanied by a memorandum giving a full and complete statement of the reasons for proposing the candidate, with a record of his/her professional and industrial achievements in sufficient detail to enable the Committee to pass judgment on the candidate's worthiness to receive the award.
  - b. On or before June 15, the Chair of the Committee shall send to each member a list of all eligible candidates, together with the names of the proposers, and the detailed professional and industrial records of the candidates. Each member will be asked for a letter ballot to be in the hands of the Chair no later than July 15 indicating his/her preference of the names submitted. If any candidate receives two-thirds of the votes of the entire Committee, he/she shall be considered formally selected.
  - c. In the event no candidate receives said two-thirds vote, the Chair shall send to each member of the Committee a list of the candidates who received two or more votes in the first letter ballot. If two-thirds favorable votes are not received by any candidate on the second letter ballot, a third ballot will be undertaken. Should no candidate receive the stipulated number of votes on the third ballot, no award shall be made for the current year.
  - d. The unsuccessful candidates shall constitute an Active List, but after being considered by three committees of the award, a candidate will be dropped from the list. This, however, does not make him/her ineligible for re-nomination.

- e. If a candidate is selected, the Chair of the Committee shall prepare a citation not exceeding 25 words; and shall submit the name of the candidate with the citation to the Board of Directors.
2. After the Committee has made its selection, and not later than two weeks prior to the submission of its report to the Directors, the records of the candidates shall be deposited with the Executive Director of SME, who shall act as custodian of the same until the appointment and confirmation of the new Chair. In the interim, such records shall be accessible to the members of the Committee, and the Board of Directors of SME. The records will be preserved for a period of three years, at the expiration of which they will be destroyed.
3. In all questions coming before the Committee, the President of the Society, an ex officio member, and the Chair of the Committee shall have a vote. Except in the selection of a candidate, all questions shall be decided by a majority vote.
4. The Award Committee shall have the power to decide any questions not specifically covered by these Rules.

*The list of past award winners is provided in the Volume-II of this Handbook.*

### **C. Howard N. Eavenson Award (AIME)**

The AIME Howard N. Eavenson Award, first presented in 1969, is given for distinguished contributions to the advancement of coal mining. The award consists of cash and a certificate, appropriately inscribed with the name of the award, the name of the recipient, and the citation of the particular achievement for which the award is being conferred. The Howard N. Eavenson Award shall consist of a suitably engraved Certificate of Award containing a citation of the service or achievement upon which the award is based. Further, the Award shall include a check for \$1,000 which can be increased in amount by increments of \$250 for recognition of a particularly outstanding contribution upon recommendation of the Award Committee and approval of the AIME Board of Trustees. Election to this honor is by the Eavenson Award Committee with notification to the SME Executive Committee. All expenses incurred in respect of the Award shall come from the AIME Howard N. Eavenson Award Fund. Amendments needed to the regulations for this award maybe made by the Board of Directors of SME, on the recommendation of the Committee of Award as approved by the Executive Committee of the Coal & Energy Division.

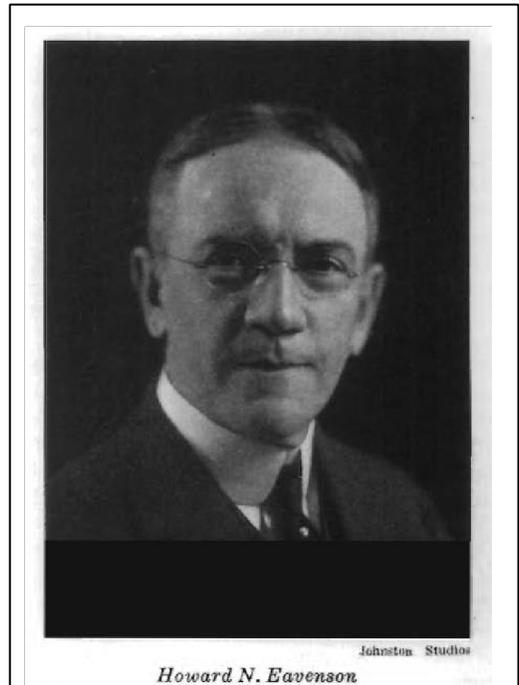
#### **Who was Howard N. Eavenson?**

Howard Nicholas Eavenson (1873 – 1953) was the first chairperson of the newly formed Coal Division in 1930. He was AIME president in 1934. As part of his presidency, he wrote a series of speeches on coal that he used when touring the country and visiting various AIME sections. These were compiled as “Coal Through the Ages,” and published by SME. At one time, he was a member of the firm of Eavenson, Alford & Hicks, consulting engineers of Pittsburgh, president of the Claver Splint Coal Co., operating in Harlan County, Kentucky, and a consulting engineer for the United States Coal & Coke Company, a subsidiary of the United States Steel Corporation. [[www.megspace.com/family/kenvir/Kenvir-history.html](http://www.megspace.com/family/kenvir/Kenvir-history.html)] He also wrote several other books, including “The First Century and a Quarter of American Coal Industry,” a 701-page book privately published in 1942, and “The Pittsburgh Coal Bed: Its Early History and Development”, published by AIME in 1938.

The following additional information comes from SME:

Like his colleague Erskine Ramsay, Howard Nicholas Eavenson belonged to a small group of dynamic engineers and industrialists who, by developing America's great coalmine, not only made the national self-sufficient in energy but also enabled the US to become the world's leading energy exporter.

It was people like Eavenson and Ramsay who assembled enormous amounts of capital built the infrastructure (roads, schools, hospitals, housing, etc.) needed in coalfields, equipped their mines with complex and massive equipment which they often invented and designed themselves, and created nationwide distribution organizations linked to the growing railroad transportation networks. They did all this virtually from scratch and without government subsidies or handouts. Their energy and resourcefulness were not sapped by thousands of hostile governmental regulations and - since they didn't have to hand over more than half of their profits as local, state and federal taxes - they could plow back capital into their ever-growing industries, pay wages higher than anywhere else on earth and provide jobs for the countless millions of immigrants that poured into the United States at the turn of the century.



Howard Eavenson, though trained in engineering (he obtained his B.S. at 19 from Swarthmore College, and a degree in civil engineering at age 22), had an unerring ability in appraising coal properties before he'd start developing them according to his colleagues. He was only 26 when he became chief engineer for United States Coal & Coke CO., a subsidiary of US steel, and in the 18 years of his association with that company, he opened up several coal deposits and built 15 large coal plants in West Virginia and Kentucky.

In 1920, Eavenson established his own consulting firm in Pittsburgh and, by the time he became AIME president in 1934, was a director of Pittsburgh Coal Co., owner of two sizeable coal mines, and chairman of the board of Appalachian Coals, Inc., which was a joint selling agency through which 137 producers of high-volatile bituminous coal marketed their aggregate output of more than to millions tons per year.

Busy as he was, Eavenson always found the time to write technical papers for Transactions, serve on the board of various AIME committees, and help establish the Coal division of AIME in 1920.

**Eligibility:**

This Award will be given for distinguished contributions to the advancement of coal mining. This Award shall be given to a resident of the United States, preferably but not necessarily a member of an AIME Member Society, who shall within a two-year period in advance of his/her selection for the Award has contributed the most to the advancement of the coal industry, whether by research, invention, publication, or advances in mining or development methods (labor relations not included).

**Selection Process:**

The Committee Chair shall submit the results of the vote to the Coal Division Chair and the Executive Director of SME no later than October 10 of each year. The Award shall be made only when considered by the Award Committee and the SME Board of Directors to be fully merited, and the Award will not necessarily be presented at any regular period of time.

### **Duties and Responsibilities of the Committee Members:**

The administration of the Award shall be vested in a committee of six appointed by the SME President from among the members of the Institute. The term of service shall be three years. The majority of members of the Committee shall be engaged in the Coal industry and the minority of members shall be older mining members of the Society. The Chair shall be chosen from those who are senior in length of service on the Committee.

The Award Committee shall develop a list of suitable nominees who meet the eligibility requirements as outlined above. Once the list of nominees has been developed, the Committee Chair shall then ask each member of the Award Committee for their ranking of the nominees (first, second, third, etc.). Each Award Committee member shall assign one point for a first-place vote, two for a second-place, and three for a third-place vote, etc. The Committee Chair shall collect the votes and develop an aggregate score. The nominee with the lowest aggregate score will be the winner. In cases of a tie or close vote for first place, only the top candidates will be referred to the Award Committee for another round of voting using the procedures outlined herein. In the event of a second tie or close vote, the Committee Chair will select the winner from the top candidates subject to the approval of the SME Board of Directors.

*The list of past award winners is provided in the Volume-II of this Handbook.*

### **D. J. W. Woomer Young Engineer Award**

The J. W. Woomer Award (formerly the Young Engineer Award) established in 1976, brings recognition of engineering professionalism to young people working in the coal industry. Election to this honor is by the Coal & Energy Division Officers with notification to the SME Executive Committee.

### **Who Was J.W. Woomer?**

J. W. Woomer, President of the Society of Mining Engineers in 1959, was an engineer who planned his career from high school onward. His goal was his own consulting firm, J.W. Woomer & Associates, which was headquartered in Pittsburgh. As a sophomore in college he began to build experience starting as a surveyor during summer vacations. At various times in his career he has worked at all levels in the mining industry from day laborer to mine manager. "I would recommend a similar pattern for any young man seeking a career in mining." he declared.



Born in Philipsburg PA, Mr. Woomer received a B.S. from Pennsylvania State University in 1925 and an E.M. degree in 1931. His first full-time job was as assistant to the superintendent in the George's Creek mining field near Frostburg, MD. He later became assistant chief engineer at the Pittsburgh Coal Co. and worked for a time for the Hanna Coal Co. when the two firms merged with Consolidation Coal Company to become the largest coal mining company in the world, Pittsburgh Consolidation Coal Company. The new firm became his first consulting client.

Mr. Woomer gathered wide experience all over the world. He had mining assignments in Alaska, Argentina, Australia, Canada, Chile, China, Colombia, France, Germany, Greece, India, Manchuria, Mexico, Turkey and, the United Kingdom. He learned that many mining problems stem from public relations as well as technology, and developed sound, practical theories from his handling of both. Although he credited John L. Lewis with the present high state of mechanization in the mining industry, Mr. Woomer strongly objected to the idea of unions for engineers. "A young man must decide whether he is going to be an educated individualist or an employee who needs the protection of a 'mother' organization."

He felt a professional attitude is essential for a mining engineer, and approached his own work consistently with this in mind. Equal in importance to technical competence, Mr. Woomer believed, is active participation by every engineer in his professional society. He himself was a long-time active member of the AIME Coal division and in 1958 was its chairman. He was also director of the Engineering society of Western Pennsylvania and a member of several other mining societies. He felt that the direct measures of a society's value is in the service it renders to its members –not just the tangible services such as publications and meetings, but also the intangible benefits that come from contact with one's fellow engineers, getting to know them and getting to be known by them.

The reorganization of AIME into the Society of Mining Engineers, the Society of Petroleum Engineers and The Metallurgical Society, he believed, was a help to all AIME members in terms of increased services of all kinds.

### **Eligibility:**

Eligibility requirements for the award include: 1) the nominee must be a graduate engineer working in the coal industry; 2) the nominee must not reach their 35th birthday before the award is presented; 3) the nominee must have prepared a technical report for presentation at any coal industry meeting or for publication in any coal industry journal or transactions; and 4) the nominee must be a member of SME.

### **Selection Process:**

The nominating procedure specifies: 1) the nominating petition must include a written description of the engineering project(s) and must describe the specific involvement of the nominee in the work accomplished; 2) the nominating petition must be reviewed by the appropriate SME Local Section Executive Committee; and 3) the Local Section's letter of endorsement for a nominee should include a description of the investigation by the Section's Executive Committee and a listing of the engineering accomplishment(s) of the nominee. Any SME Local Section may nominate a candidate but nominations must have the approval of the Section's Executive Committee. Prior to June 1 the nominating petition, including supporting documentation, should be forwarded to the Chair of the J. W. Woomer Award Committee.

### **Duties and Responsibilities of the Committee Members:**

The administration of the Award shall be vested in a committee of six. The Secretary of the Coal & Energy Division shall appoint two members from among the members of the Coal & Energy Division. The term of service shall be three years. The Chair shall be chosen from those who are senior in length of service on the Committee by the Chair of the Coal & Energy Division.

Recipients of the award shall be selected by the Committee of Award, subject to the approval of the Board of Directors through the Coal & Energy Division Executive Committee.

Upon receipt of the nominating forms the Committee Chair shall distribute these to the committee then asks each member for their ranking of the nominees (first, second, third, etc.). Each Award Committee member shall assign one point for a first-place vote, two for a second-place, and three for a third-place vote, etc. The Committee Chair shall collect the votes and develop an aggregate score. The nominee with the lowest aggregate score will be the winner. In cases of a tie or close vote for first place, only the top candidates will be referred to the Award Committee for another round of voting using the procedures outlined herein. In the event of a second tie or close vote, the Committee Chair will select the winner from the top candidates.

*The list of past award winners is provided in the Volume-II of this Handbook.*

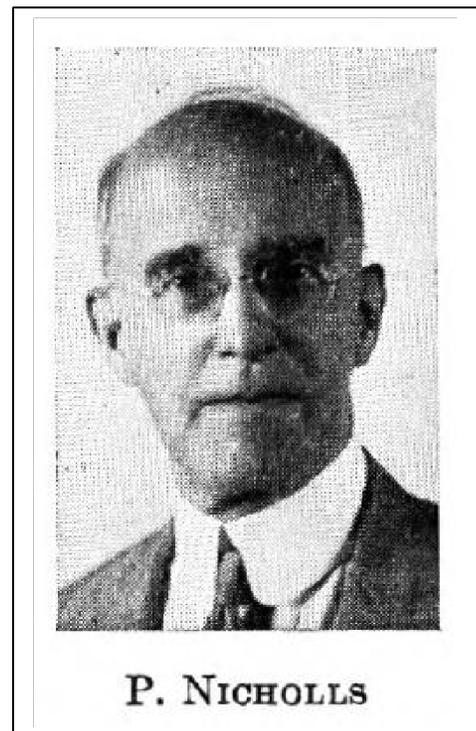
### **E. Percy Nicholls Award Committee (Jointly with Engineering Society)**

The Percy W. Nicholls Award, established in 1942, is given for notable scientific or industrial achievement in the field of solid fuels. The award shall consist of a certificate, appropriately inscribed with the name of the award, the name of the recipient, and the citation of the particular achievement for which the award is being conferred.

### **Who Was Percy W. Nicholls?**

At a joint Fuels Meeting of the ASME Fuels Division and the AIME Coal Division in St. Louis, Missouri in 1942, the fall after Mr. Nicholls died, the first Percy Nicholls Award "for notable scientific or industrial achievement in the field of solid fuels" was presented. This award was established by joint action of the two Divisions to commemorate the outstanding contributions that Mr. Nicholls had made in the science and technology of fuels utilization.

Among numerous major technical contributions, Percy Nicholls, while at the ASHVE Laboratory (American Society of Heating and Ventilation Engineers), invented the Nicholls heat meter which allowed engineers to determine heat flow through existing structures. This meter was used to measure wall heat transfer factors and air leakage rates through walls and building components by F.B. Rowley and A.B. Algren, professors at the University of Minnesota. These data were published in the ASHVE Guide and Handbook and are still used today. Note that the ASHVE Bureau of Research was established at the US Bureau of Mines Laboratory in Pittsburgh in 1919. ["The History of Ventilation and Temperature Control," J.E. Janssen, ASHRAE Journal, September 1999, pp. 47-52.]



### **Eligibility:**

The award can be given only to a member of SME or ASME. There are no limitations regarding nationality, etc.

### **Selection Process and Responsibilities of Committee Members:**

Prior to June 1, the Chair of the Percy W. Nicholls Award Committee or a member of the Committee should receive any nominations to be presented to the full Committee. Nominations should give a full and complete statement of the reasons for proposing the candidate, with a record of his professional and industrial achievements in sufficient detail to enable the Committee to pass judgement on the candidate's worthiness to receive the award.

*The list of past award winners is provided in the Volume-II of this Handbook.*

### **F. Robert Stefanko Best Paper Award**

The Stefanko Best Paper Award, established in 1983, recognizes authors presenting papers in the Coal & Energy Division technical sessions, at SME Annual Meetings, for their contributions to the body of knowledge. The award shall consider: 1) technical quality of the paper; and 2) quality of presentation. The award shall consist of a cash gift and certificate(s) for the author(s). In case of multiple authors, the cash gift shall be divided equally among all authors.

#### **Who was Robert Stefanko?**

When Robert Stefanko graduated from The Pennsylvania State University in 1948 with his B.S. in mining engineering, a university career in teaching and research was not in his future plans.

He took a job with the Westmoreland Mining Company in Indiana County, Pennsylvania, and began to build his career in the mining industry. Then came the day and the event that turned his life around. On August 6, 1951, while he was inspecting a section of a mine, the roof caved in. His back was broken, paralyzing him from the waist down. Despite numerous operations, he was confined to a wheelchair for the rest of his life. But individuals are different. What may be a complete disability for one man is not for another." For him paraplegia was never a complete disability, only a deterrent that had to be dealt with.

With a wife and small daughter to support, he had to take careful stock of the opportunities open to him. "The worst part," he recalled later, "was that almost no one gave me any encouragement. But individuals are different. What may be a complete disability for one man is not for another." For him paraplegia was never a complete disability, only a deterrent that had to be dealt with.

While employed by the mining company, he had done some evening instruction of mining extension courses for Penn State and had enjoyed it, so teaching was the option he elected to follow. He returned to Penn State in 1954 as a graduate student. Upon receiving his M.S. in 1957, he was appointed as an instructor and began work on his doctorate, receiving it in 1961.



**His Research:** For obvious reasons, Bob's research as a graduate student – as well as his research through the years – was aimed primarily toward increased safety in underground mining. His initial interest was in ground control in the immediate area of active mining. From that he progressed to work on instrumentation for determining underground stresses, which led, ultimately, to his development of Penn State's Rock Mechanics Laboratory and the laying of the groundwork for the geomechanics program in the Department of Mineral Engineering – now the Department of Energy and Geo-Environmental Engineering.

From rock mechanics, he moved on to other research areas, including mine ventilation, the use of diesel engines to power underground mining equipment, mine electrical systems, innovative mining equipment, removal of methane from mines prior to mining, and coal mine pillar and span design.

Out of the projects on underground mine electrical systems that he initiated was developed the Mine Electrical Laboratory of the Department of Mineral Engineering – at the time, one of only two of its kind in any university and probably the leader in mine electrical research.

As he moved up through the academic ranks, Bob's faith in people, his team spirit, and his unselfish willingness to share his accomplishments with others led him to foster the professional growth of many younger faculty. He would invite them to be co-directors of his research projects or members of his research teams, and then, as the work advanced, he would encourage them to undertake research on their own, essentially handing over to them areas of interest he had originally developed. Then he would move on to new areas that he had been wanting to get into and repeat the process.

**His Leadership of the Mining Program:** In 1964, he was named head of the then Department of Mining in Penn State's College of Earth and Mineral Sciences. At a time when many university mining programs were closing their doors because of a lack of enrollment, he expanded the scope of Penn State's program by actively soliciting funded research, and alleviated enrollment problems by attracting qualified students from other countries into a mining graduate program that eventually developed into the largest in the nation. He often remarked that the research and graduate enrollment provided the critical mass needed to keep the department going through the lean years. Through the many foreign students trained here, Penn State's mining expertise has been extended all over the world.

He well knew that the day would come when mining instruction on the university level would be critical to the well-being of the nation. And so, when the worldwide energy situation reached crisis proportions in the early 1970s, Penn State's Mining Engineering program was ready and able to take care of greatly increased enrollments – in large part, due to his foresight.

Through his leadership of the Department of Mining, the academic foundation was laid for the most comprehensive undergraduate, continuing education, and research programs in mining engineering in the nation. In addition to fostering development of the B.S., M.S., and Ph.D. programs, he promoted in 1969 inauguration of the two-year associate degree in mining technology – the first program in the nation designed to provide qualified professionals to fill a gap between the mining engineer and the miner.

Continuing education programs were Bob's special interest. He felt strongly that knowledge gained through research should be shared with those working in the mining industry. To this end, he introduced short courses in mine ventilation, rock mechanics, the use of diesel equipment underground, and mine electrical systems. In addition to teaching short courses himself, he encouraged other mining faculty to offer courses in their areas of expertise.

He was instrumental, too, in the establishment in 1965 of the Elders Ridge, Pennsylvania, Mine Mechanics and Electricians School, a Penn State mining continuing education activity that graduated more than 1,300 students over sixteen years, and the new miner and miner retraining programs, begun in 1974, through which more than 4000 mine workers now benefit annually.

He was a prolific writer, producing more than sixty published articles and many voluminous research reports and project proposals. During the last few years of his life, he completed a book, *Coal Mining Technology - Theory and Practice*, which was published by the Society of Mining Engineers.

In 1969, in recognition of his dedication to the principles of continuing education, he was named Assistant Dean for Continuing Education for the College of Earth and Mineral Sciences, responsible for coordinating and encouraging continuing education efforts in all of the college's departments.

He stepped down as head of the Department of Mining, but continued as professor of mining engineering, and kept on with his teaching and research. In 1976, he was promoted to associate dean.

Through all of his professional years, he was an active member of the Society of Mining Engineers of the American Institute of Mining, Metallurgical, and Petroleum Engineers (SME of AIME), serving on and heading many committees, and chairing the SME Council of Education (1972-73) and its Coal Division in 1974. He was a member of the SME board of directors from 1975 to 1981 and of the AIME board from 1977 to 1980. In 1979, he attained the position that provided him his greatest professional gratification - the presidency of the SME.

Taken from: <https://www.eme.psu.edu/alumni/awards-and-recognition/department-alumni-awards/robert-stefanko-distinguished-achievement>

### **Eligibility:**

Eligibility for the award requires that the papers for consideration: 1) should have been preprinted prior to the meeting; and 2) must be presented at the meeting by the author(s).

### **Selection Process:**

The selection of the best paper for the award shall be a four-step process:

1. Each session chair shall select only one paper from the session on the basis of the highest combined score of the technical and presentation evaluation scores;
2. The selected papers from the sessions shall be evaluated by the individual members of the Award Committee, the evaluation will be for the technical quality of the paper based on required criteria;
3. The average of the technical evaluation scores shall be calculated for each paper, to that shall be added the presentation score, determining the combined score for the paper; and
4. The paper for the award shall be selected by the Award Committee on review of the total scores, and is subject to the approval of the Coal & Energy Division Executive Committee with notification to the SME Executive Committee.

### **Duties and Responsibilities of the Committee Members:**

1. The administration of the award shall be vested in a committee of six consisting of the past, present and incoming Chair of the Coal & Energy Division program committee and three "other" members.

2. The Chair of the Award Committee shall be from among the three "other" members and the one who is senior in length of service on the committee.
3. The Secretary of the Coal & Energy Division shall appoint one member to the committee from among the numbers of the Coal & Energy Division. The term of service shall be three years.
4. The Chair of the Award Committee shall supervise the timely progression of the Stefanko Award selection process. The Chair, working with the SME staff member, should ensure that:
  - a. The preprints and the technical and presentation evaluation forms have been sent to the session chairs approximately two weeks before the meeting.
  - b. The session chairs have sent their evaluations of the technical quality of the paper and presentation to SME within four weeks after the meeting.
  - c. The award committee members get the preprints of the "best" paper from the session chairs within six weeks of the meeting.
  - d. The committee's right to decide on the basis of the available information on any problems arising during the evaluation process including not to recommend an award shall be absolute.

*The list of past award winners is provided in the Volume-II of this Handbook.*

### **G. ROCK MECHANICS AWARD (Jointly with M&E Division)**

The Rock Mechanics Award, established in 1967, recognizes distinguished contributions to the advancement of the field of rock mechanics. The award shall consist of a certificate suitably embossed with the name of the award, the name of the recipient, and the citation of the particular service or achievement for which the award is being conferred. Election to this honor is by the Coal & Energy Division Officers and the M&E Division Executive Committee with notification to the SME Executive Committee.

#### **Eligibility:**

There are no limitations regarding age, nationality, professional field, membership in the Institute, or otherwise.

#### **Selection Process and Responsibilities of the Committee Members:**

Prior to June 1, the Chair of the Rock Mechanics Award Committee or a member of the Committee should receive any nominations to be presented to the full Committee. Nominations should give a full and complete statement of the reasons for proposing the candidate, with a record of their professional and industrial achievements in sufficient detail to enable the Committee to pass judgment on the candidate's worthiness to receive the award.

*The list of past award winners is provided in the Volume-II of this Handbook.*

## **AIME/SME HISTORY (COAL & ENERGY RELATED EVENTS HIGHLIGHTED)**

AIME was founded in 1871 by 22 mining engineers in Wilkes-Barre, PA. (“the term “Mining Engineers” in these rules comprehend Engineers connected with either Mining or Metallurgy”)

### **1873**

- ✦ Member Grades Established
- ✦ First Transactions Printed

### **1876**

- ✦ Institute Participates in Centennial Exposition in Philadelphia,
- ✦ Raising Funds to Provide and Staff a Headquarters

### **1884**

- ✦ Rossiter W. Raymond Becomes Secretary; Holds Post for 27 Consecutive Years

### **1890**

- ✦ Andrew Carnegie Serves as Chair of the Committee on Arrangements for the AIME Meeting

### **1893**

- ✦ AIME Participates in World's Columbian Exposition to Raise Funds for World Engineering Congress Held in Conjunction with the Exposition

### **1904**

- ✦ AIME Establishes the United Engineering Society with the American Society of Mechanical Engineers and the American Institute of Electrical Engineers for the AIME Meeting

### **1905**

- ✦ A.I.M.E. Bulletin Established

### **1906**

- ✦ Cornerstone for new United Engineering Society Building Laid by Andrew Carnegie's Wife

### **1907**

- ✦ Headquarters Established in New York City
- ✦ Engineering Societies Library Established

### **1908**

- ✦ Transactions Awarded Gold Medal for High Quality Publications at Jamestown Ter-Centennial Exposition

**1910**

- ✦ American Society of Civil Engineers Joins AIME and Other Societies in the United Engineering Society (Now Called the United Engineering Trustees)

**1911**

- ✦ Membership Exceeds 4,000 (30% Outside of United States)
- ✦ First Three Local Sections Formed in New York, Boston, Spokane
- ✦ A Committee to Increase in Membership Formed
- ✦ First Committee on Publications Established
- ✦ Dr. Raymond Becomes Secretary Emeritus of Institute
- ✦ Fire Destroys Much of AIME Library

**1912**

- ✦ Iron and Steel Division, the Prototype of Later Technical Committees, Created

**1913**

- ✦ New Constitution and By-Laws Adopted
- ✦ Local Sections Formed in San Francisco, Colorado, Puget Sound, Montana, St. Louis, and Southern California
- ✦ First Membership Committee Formed

**1914**

- ✦ Nine Technical Committees Formed
- ✦ The Engineering Foundation Established for United Engineering Society

**1917**

- ✦ Woman's Auxiliary to the AIME Established

**1918**

- ✦ AIME Absorbs American Institute of Metals; First Professional Division of AIME Formed Out of Merger
- ✦ Student Members Admitted as Junior Associates Under a Constitutional Amendment

**1919**

- ✦ Renamed American Institute of Mining and Metallurgical Engineers

**1920**

- ✦ Raymond Memorial Volume Published by Institute
- ✦ Herbert Hoover Serves as President

- ✦ First Robert W. Hunt Medal and Prize Awarded

## 1921

- ✦ Institute of Metals Lecture Established

## 1922

- ✦ Petroleum Division Formed
- ✦ First James Douglas Medal Awarded

## 1923

- ✦ J.E. Johnson, Jr. Award Established
- ✦ Howe Memorial Lecture Developed

## 1925

- ✦ First Open Hearth Conference Held

## 1926

- ✦ First Regional Meetings Held

## 1927

- ✦ Annual Meeting Featured First Conference of Local Section Delegates
- ✦ Rocky Mountain Fund Established

## 1928

- ✦ Iron and Steel Division Formed
- ✦ Junior Associateship Abolished and Replaced with Student Associate and Junior Member Grades

## 1929

- ✦ Seeley W. Mudd Memorial Fund Formed

## 1930

- ✦ **Coal Division Formed**

## 1932

- ✦ Mineral Industry Education Division Formed
- ✦ First Complimentary Volumes Sent to Junior Members through Seeley W. Mudd Fund
- ✦ First Charles F. Rand Memorial Medal Awarded

**1933**

- ✦ Institute of Metals Division Established Division

**1934**

- ✦ Metals Technology Published

**1935**

- ✦ Industrial Minerals Division Formed
  - ✦ Agreement with Iron and Steel Institute and Institute of Metals (Both in United Kingdom) Creates Junior Foreign Affiliate Grade

**1936**

- ✦ Anthony F. Lucas Medal Awarded for First Time

**1937**

- ✦ Mining Technology Published

**1938**

- ✦ Petroleum Technology Published
- ✦ Yearbook Discontinued
- ✦ Endowment Fund X from an Anonymous Donor Established

**1939**

- ✦ Charles Hayden Memorial Fund Established

▪

**1940**

- ✦ Robert C. Gemmell Memorial Fund Formed
- ✦ Iron and Steel Division Established B.J. McKune Memorial Award

**1942**

- ✦ **Percy Nicholls Award Established**

**1945**

- ✦ Henry L. Doherty Memorial Fund Established
- ✦ Rossiter W. Raymond Award Established

**1946**

- ✦ **Coal Technology Published**

**1947**

- ✦ 3,000 Attend Annual Meeting and 75th AIME Anniversary Celebration in New York City

**1948**

- ✦ Three New Journals Authorized - Mining Engineering, Journal of Metals, Technology Practice, and Journal of Petroleum Engineers

**1949**

- ✦ Last Technical Committee Dissolved; Replaced by 70-80 Divisions
- ✦ Technical Activities Separated into Three Branches: Mining, Metals, and Petroleum
- ✦ **First Erskine Ramsay Gold Medal Awarded**

**1950**

- ✦ First Robert H. Richards Award Presented

**1955**

- ✦ First Benjamin F. Fairless Award Presented

**1956**

- ✦ First Mineral Industry Education Award Presented
- ✦ Name Changed to American Institute of Mining, Metallurgical, and Petroleum Engineers

**1957**

- Three Semiautonomous Societies Formed From Institute Branches: The Metallurgical Society of AIME, Society of Mining Engineers of the AIME, and the Society of Petroleum Engineers of AIME
- ✦ AIME By-Laws Rewritten and Simplified

**1958**

- ✦ The Metallurgical Society of AIME Published Bimonthly Transactions of The Metallurgical Society of AIME

**1959**

- ✦ First Hal Williams Hardinge Award Presented

**1961**

- ✦ Headquarters Moved into United Engineering Center on United Nations Plaza in New York City
- ✦ Local sections Grew to 96, Including 85 in the United States and 11 Outside of the United States
- ✦ Petroleum Society Accounts for 40 Percent of Total AIME Membership with 14,100 Members
- ✦ Society of Petroleum Engineers Begins SPE Journal

**1962**

- ✦ Membership Records Changed Over to Data Processing Methods

**1966**

- ✦ First Mineral Economics Award Presented

**1967**

- ✦ AIME Appoints Ten Year Look Committee

**1968**

- ✦ AIME (As Lead Society) Established Offshore Technology Conference

**1969**

- ✦ **First Howard N. Eavenson Award Presented**
- ✦ First Robert Earll McConnell Award Presented

**1970**

- ✦ Membership Reaches 48,400

**1971**

- ✦ AIME Celebrates Centennial in New York; Planning Took Five Years

**1972**

- ✦ First Environmental Conservation Distinguished Service Award Presented

**1973**

- ✦ AIME Business Office Decentralized and Assigned to Constituent Societies
- ✦ Society of Mining Engineers Moves Headquarters from New York City to Salt Lake City

**1974**

- ✦ Fourth Society - Iron and Steel Society - Formed
- ✦ Iron & Steelmaker Established

**1976**

- ✦ **First J.W. Woomer Award Presented**

**1978**

- ✦ The Metallurgical Society and Iron and Steel Society Move From New York to Pittsburgh
- ✦ Society of Mining Engineers Moves From Salt Lake City to Denver

**1980**

- + Membership Reaches 70,791 (Excluding Students)
- + AIME Leads Establishment of American Association of Engineering Societies

**1982**

- + Ad-Hoc Transitions Committee Presents Recommendations for Greater Decentralization

**1983**

- + **Robert Stefanko Award Established**

**1984**

- + Four Societies Become Separately Incorporated

**1985**

- + Established AIME as a Federation Comprised of Four Member Societies
- + Governing Body Restructured to a Board of Trustees
- + Membership Reaches 83,307 (Excluding Students)

**1988**

- + Long-Range Plan Implemented, Initiating New Programs and Activities

**1990**

- + Membership Reaches 73,236 (Excluding Students)

**1993**

- AIME Approves Transformations Project

**1994**

- + Board Approves Financial Support of Overarching Programs and Individually Approved Programs of Member Societies

**1995**

- + Sponsorship of Engineering Societies Library Transferred to Linda Hall Library
- + Membership Reaches 69,997 (Excluding Students)
- + AIME Establishes a Site on the Internet

**1996**

- + AIME Celebrates 125th Anniversary at Joint Meeting with TMS in Anaheim, California. Presents Commemorative Plaque to the Mayor of Wilkes-Barre, Pennsylvania

**1997**

- ✦ SME's Environmental Division Formed
- ✦ First AIME Board of Trustees Retreat, December 16, 1997, Cleveland, Ohio

**1998**

- ✦ First AIME Annual Meeting held outside United States, Toronto, Ontario, Canada

**2001**

- ✦ **Coal Division becomes Coal & Energy Division.**
- ✦ Moved Corporate Headquarters to Society for Mining, Metallurgy, and Exploration Building in Littleton, CO

**2015**

- ✦ SME's Health and Safety Division Formed

**2019**

- The First Robert Murray Innovation Award and Scholarship Awarded.

## **NAME CHANGE TO COAL & ENERGY DIVISION**

### **Addressing our Future Now – Is It Time for a Change?**

At the 2001 SME Annual Meeting, all the Divisions were challenged to consider changes that will make the Society, not only viable but also vibrant in the future. The trend in both the Coal Division, and SME as a whole, has been decreasing membership, and, more recently, decreasing attendance at the Annual Meeting. Overall membership has decreased at a rate greater than 5% per year, and Annual Meeting attendance from 1999 to 2001 has experienced a 22% decrease.

In order for us to reverse these trends, we must provide our membership with substantial value. This value must include, but not be limited to, excellent programming at the annual meeting, interaction with the Regions and Local Sections, and superior information transfer. SME and the Coal Division continue to work on these goals.

The Coal Division is showing some signs of attaining these goals. An indication of this is the rise in attendance at the Coal Division Luncheon, which has gone from 164 in 1999 to 200 in 2001, leading all other divisions in social event attendance for two consecutive years. We believe this increase is the result of good programming, featuring high-profile industry speakers, the networking opportunity available, general camaraderie, and the Silent Auction, which initially raised \$1200 for student scholarships in 1999, and rose to \$2000 this year. However, like the rest of the long-established divisions, Coal Division membership continues to decline. This decline has often been explained by referencing the fact that industry employment has declined, although the respective percentages are a little gray. Unfortunately this is not the entire problem.

In general, for the Society, it has become increasingly difficult to retain young engineering graduates as they enter industry. This fact became painfully clear when SME's offer of free membership for a year to the Class of 2000, was ignored by one-third of the new graduates, and declined by another one-third. One has to wonder at how the Society is being perceived, when only one-third of the new graduates are willing to take the time to respond to the offer and accept their free membership.

Clearly, the key for membership lies in a strong and creative effort to increase the overall value to the members. This translates into solid programming that involves industry, so companies will support our Society and our Division. Increasing value also means that we need to reach out beyond the annual meeting, to address issues and technical areas that involve the greater business world in which coal competes.

The fundamental question asked of the Coal Division membership at this juncture is as follows: is it time for a change, which will trigger development into a broader energy-related, but coal-relevant division? This is a tough question to consider, but it is an important one requiring an honest response, especially with our vitality and overall significance at stake.

Coal has played a major role in a balanced energy consumption pattern in our country, without a large percentage of the populace even realizing it. Its role could now increase significantly; however, there are complex national and international debates pending which will determine that role. Leaders in the coal industry and supporting technical experts, including many of us in SME and the Coal Division, will likely be engaged in these debates. SME and the Coal Division should be involved in an objective policy-shaping way. After all, we do have significant expertise to share. Thus it now makes sense for the Coal Division to expand beyond our traditional Unit Committee-based program offerings. We can offer the forum for information and technology transfer into the hands of our members and from there to the policy makers.

Examples of updates to our mission could be to address the intricacies of coal bed methane with natural gas providers, some of whom also own coal properties, or to focus on the processing of coal waste, or creation of synfuels for power generation. These energy sources are still related to coal, but they are not addressed by the Society, even though many of our current and potential members are involved in their production. We must also begin what will be a continuing dialogue with the public and the energy providers of today and tomorrow. There are indeed a number of coal-related energy resources and multiple common issues with which coal, natural gas, oil, and renewable energy providers must grapple. The opportunity exists for the Coal Division to initiate the input on these issues, inviting a broader involvement from other energy sectors as they participate with us in discussing or debating them. Such interactions can, and should occur on a sectional, regional, national, or international basis as opportunities arise.

In order to highlight the drive toward this expansion, a change in the name of the Coal Division to the Coal and Energy Division has been proposed. Many of those involved in the discussion believe that some critical issues must be dealt with first.

- 1) We must reach a consensus on the change, as a Division.
- 2) We must make a concerted effort to not lose focus on the needs of our existing members.
- 3) We need to be cognizant of the long-standing traditions that form our base.
- 4) A name change alone would be cosmetic; we must have an ultimate goal, and a corresponding well-developed action plan.

To initiate the expansion of the division's focus, it may be appropriate and timely to include, in our annual meeting, programming on topics such as coal bed methane, the use of coal waste, or synfuels for power generation. We could establish a new Unit Committee on Coal-Related Resources, or possibly modify the existing Coal Utilization unit committee. This committee could also deal with issues regarding the National Energy Policy, as it relates to aspects which involve our members.

The Coal Division leadership will soon be contacting you directly by mail to solicit your input on these issues. We will also provide a ballot for you to vote on the Division name change and the reorganization of the unit committees. The future of the organizational health of both SME and the Coal Division, and their impact on key issues is ours to determine.

Please make a difference with your input and provide us with your opinion on the possible name change when the survey and ballot reach you.

In the meantime, I am open to advance input on this subject from our members; please feel free to contact me.

Don Arrowsmith  
NorWest Mine Services, Inc.  
1212 Bath Avenue  
Sixth Floor  
Ashland, KY 41101  
[darrowsmith@norwestmines.com](mailto:darrowsmith@norwestmines.com)



---

## Coal Division

Date: June 18, 2001

To: All Coal Division Members

From: Coal Division Executive Committee

Re: Name Change Ballot

As explained in the June issue of *Mining Engineering*, the Coal Division is considering a change in name and in mission. The many active members who attended the Coal Division Luncheon, during the SME Annual Meeting in Denver, discussed the pros and cons of the change and came to the conclusion that although the proposed change appears to be relatively minor, it is in reality quite significant, and should be decided by the membership as a whole, not just by a few.

Enclosed is ballot that we ask you to consider and respond to no later than July 27, 2001. The issue of the name change will be discussed at the SME Board meeting on August 12, 2001. At that time the Coal Division Representatives will make the decision of the membership known and either table the discussion, or ask for board approval to complete the change.

As explained in the *Mining Engineering* article, we believe that merely changing the name would be cosmetic. We need to decide if the existing Unit Committees still serve an essential function, if some should be eliminated or combined, or if others should be created. In order to allow you to voice your opinion, we have provided room for comments on each vote line. Comments will all be read and considered when summarizing the vote results.

Please take the time to respond. This can prove to be an important step in expanding the appeal and functionality of our Division.

If questions arise, please forward them to one of the following:

Don Arrowsmith      darrowsmith@norwestmines.com

Barb Arnold          bja@nb.net

Larry Grayson      graysonl@umr.udu

George Luxbacher    george\_luxbacher@oxy.com

### Coal Division Ballot

**With regards to the name of the division**

Indicate your choice by checking the box to the right.

Coal Division

Coal and Energy Division

Fax to: Edith Sensenig - SME  
 Fax #: (303) 973-5235  
 From: \_\_\_\_\_

**With regards to the Unit Committees**

Indicate your preference of keeping or eliminating the following committees by checking the appropriate box

Existing Committees	Keep	Eliminate	Specific Comments
Underground Mining	<input type="checkbox"/>	<input type="checkbox"/>	
Surface Mining	<input type="checkbox"/>	<input type="checkbox"/>	
Preparation	<input type="checkbox"/>	<input type="checkbox"/>	
Environmental	<input type="checkbox"/>	<input type="checkbox"/>	
Research and Development	<input type="checkbox"/>	<input type="checkbox"/>	
Exploration and Reserves	<input type="checkbox"/>	<input type="checkbox"/>	
Safety	<input type="checkbox"/>	<input type="checkbox"/>	
Utilization	<input type="checkbox"/>	<input type="checkbox"/>	
Ventilation	<input type="checkbox"/>	<input type="checkbox"/>	

Potential New Committees	Add	Don't Add	Specific Comments
Coalbed Methane	<input type="checkbox"/>	<input type="checkbox"/>	
Coal Related Resources	<input type="checkbox"/>	<input type="checkbox"/>	
Synfuels	<input type="checkbox"/>	<input type="checkbox"/>	

**Write-in Suggestions**

---



---



---

**General Comments**

## **Coal Division becomes the Coal and Energy Division**

As was discussed earlier, the Coal Division decided to address the reality of our changing role. However, it was felt quite strongly that any changes to the Division or its structure needed to be more than just cosmetic. In order to assure that any planned changes address the beliefs of our membership, a ballot was created and mailed out to all members. This ballot not only asked the members to vote on their preferred name, but it allowed them to express their opinions regarding individual committees. I was pleased to see that the interest taken by our membership was substantial. We received 222 responses, of which 70% were in favor of the name change, 25% were opposed, and 5% abstained. Based on these results, I asked the SME Board of Directors, at the August 12<sup>th</sup> meeting, to approve the name change effective immediately. This was voted on and approved. The results of the votes and comments regarding the individual committees were quite interesting. It was obvious from the number of comments that many people put a great deal of thought into their responses. In general, the majority of the membership sees value in the functions of all the existing and potential new committees; however, the general consensus was; the total number needs to be reduced, and the purpose of each committee needs to be well defined. This reduction may be accomplished by combining some committees. Many of the ballots had suggestions regarding this merging of functions, and these ideas will be considered and some utilized. The executive committee will review the structure, and a new committee configuration will be proposed.

Please note for those of you that commented the Safety Committee should be the Health and Safety Committee, it is. I made a mistake when creating the ballot, sorry about that.

We hope to have a committee configuration proposal prepared for the business meeting, which will be held after the Coal and Energy Division Luncheon on February 26<sup>th</sup>, 2002 in Phoenix. In anticipation of the coming changes, the program for the 2003 meeting in Cincinnati will not follow the standard format of each committee having a session, but will instead have several sessions based around current topics and issues, drawing expertise from all areas of our Division.

As we proceed, I am open to input from our members; please feel free to contact me.

Don Arrowsmith

NorWest Mine Services, Inc.

1212 Bath Avenue

Sixth Floor

Ashland, KY 41101

[darrowsmith@norwestmines.com](mailto:darrowsmith@norwestmines.com)

## Coal Division Ballot Results

### With regards to the name of the division

Coal Division	25.7%
Coal and Energy Division	69.8%
Abstain	4.5%

### With regards to the Unit Committees

Existing Committees	Keep	Eliminate	Abstain
Underground Mining	94.1%	0.0%	5.9%
Surface Mining	94.1%	0.9%	5.0%
Preparation	88.7%	5.9%	5.4%
Environmental	86.9%	6.8%	6.3%
Research and Development	78.8%	13.5%	7.7%
Exploration and Reserves	76.6%	16.2%	7.2%
Health & Safety	83.8%	9.9%	6.3%
Utilization	59.5%	29.7%	10.8%
Ventilation	59.5%	32.9%	7.7%

Potential New Committees	Add	Don't Add	Abstain
Coalbed Methane	65.3%	24.3%	10.4%
Coal Related Resources	52.3%	33.8%	14.0%
Synfuels	50.9%	36.5%	12.6%