



CONTACT INFORMATION  
Mining Records Curator  
Arizona Geological Survey  
3550 N. Central Ave, 2nd floor  
Phoenix, AZ, 85012  
602-771-1601  
<http://www.azgs.az.gov>  
[inquiries@azgs.az.gov](mailto:inquiries@azgs.az.gov)

The following file is part of the John E. Kinnison mining collection

#### **ACCESS STATEMENT**

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

#### **CONSTRAINTS STATEMENT**

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

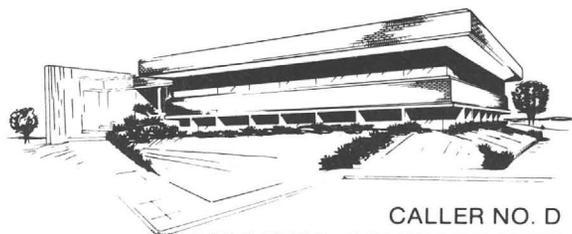
#### **QUALITY STATEMENT**

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

# Society of Mining Engineers of AIME

---

---



CALLER NO. D  
LITTLETON, COLORADO 80127  
PHONE (303) 973-9550  
TELEX-45-0446

June 21, 1982

Mr. John E. Kinnison  
3142 E. 4th St.  
Tucson, AZ 85716

Dear Mr. Kinnison:

Thank you for your letter of June 17, 1982. We have noted on your membership records your resignation in good standing.

Sincerely yours,

  
Claude L. Crowley  
Executive Director

CLC/kjk

cc: A. Hartmann

January 2, 1963

Mr. W. W. Simmons  
Miami Copper Company  
Miami, Arizona

Dear Woody:

Enclosed are some additional minutes for last year's meetings and some address changes for the membership list.

I am sorry to hear about your daughter's accident, and I hope it was not too serious.

Best wishes for the New Year.

Very truly yours,

JOHN E. KINNISON

JEK/kw  
Enclosures

AMERICAN INSTITUTE OF MINING  
METALLURGICAL AND PETROLEUM ENGINEERS

ARIZONA SECTION



MINUTES OF THE MEETING OF THE BOARD OF DIRECTORS, ARIZONA SECTION, AIME  
Tucson, Arizona, December 2, 1962

---

The meeting, in the Chinese Room of the Pioneer Hotel, was called to order by the Chairman, Mr. T. A. Snedden, at 2:00 P.M. The following Directors were present:

G. E. Atwood	E. D. Spaulding
A. T. Barr	J. W. Still
A. B. Bowman	H. C. Weed
J. A. Briggs	R. F. Welch
J. F. Buchanan	J. A. Wilcox
T. G. Chapman	J. E. Kinnison
B. R. Coil	C. F. Cigliana
C. P. Donohoe	T. E. Bilson
G. J. Duff	R. W. Livingston
J. D. Forrester	Harold Hay
J. A. Lentz	J. Edwin Moeller
W. W. Little	F. M. Winkler
A. Mendelsohn	J. H. Bassarear
A. P. Morris	B. C. Minich

The following Directors were absent:

F. H. Buchella	J. B. Pullen
D. Gardner	C. F. Willis
W. P. Goss	E. T. Seaberg
D. M. Kentro	G. A. Dahlke
W. C. Lawson	J. S. Phillips

Visitors attending the meeting were Messrs. Roger V. Pierce and Clifford J. Hicks, 1963 President-Elect, AIME, and Western Field Secretary, AIME, respectively.

The minutes of the board meeting of December 3, 1961, distributed by former Secretary-Treasurer Peter S. Geshell, were approved as submitted.

November 9, 1962

Professor Harry E. Krumlauf  
Chairman, Technical Sessions Committee, AIME  
College of Mines  
University of Arizona Campus  
Tucson, Arizona

Dear Professor Krumlauf:

The Mining Geology Division has scheduled for the December meeting three talks, as follows:

- (1) "Cretaceous and Tertiary Ore Deposition in Arizona", by Eldred D. Wilson, Geologist, and Richard T. Moore, Associate Geologist, Arizona Bureau of Mines.
- (2) "The Porphyry Copper-Molybdenum Ore Deposits of Mineral Park, Arizona", by Harrison Schmitt, Consulting Geologist, Silver City, New Mexico.
- (3) "Geology and its Application to Open Pit Design at the Eagle Mountain Mine, Riverside County, California", by Robert L. DuBois, Associate Professor, University of Arizona; and Richard Brummett, Mine Geologist, Eagle Mountain Mine.

As I mentioned in our recent telephone conversation, all three of these papers may be anticipated to provoke considerable discussion. Harrison Schmitt has suggested, and I concur, that an earlier beginning time would be appropriate, inasmuch as the geology division meetings have always been cramped for time, even when the talks were somewhat mediocre and little discussion followed. If it will not unduly interfere with registration, I suggest the geology meeting be scheduled for 10:00 - 12:30, rather than the usual 10:30 - 12:30 time.

A 35 mm-slide projector will be required. I will let you know shortly whether any other equipment will be necessary.

Yours very truly,

JOHN E. KINNISON  
Chairman, Mining Geology Division  
Arizona Section, AIME

cc: K.v.d.Steinen, Secretary AIME  
Eldred Wilson and Dick Moore  
Robert DuBois  
Harrison Schmitt

September 6, 1962

Dr. Robert DuBois  
Department of Geology  
University of Arizona Campus  
Tucson, Arizona

Dear Bob:

This will confirm our earlier discussion concerning a talk which you wish to give to the A.I.M.E. meeting December 3, 1962, on iron ores.

In the near future I must submit a program list to A.I.M.E. and will need to know the exact wording to use for the title of the talk, your name as you wish it to appear, your affiliation and title.

The program timing is not exactly formulated as yet. The time allotment will range between 15 and 30 minutes, but within a month I will be able to let you know which order of magnitude will be permissible so you may adjust your presentation accordingly.

Very truly yours,

JOHN E. KINNISON  
Chairman, Mining Geology Division  
Arizona Section, A.I.M.E.

September 6, 1962

Mr. Don Bryant  
Department of Geology  
Stanford University  
Palo Alto, California

Dear Don:

I only recently found out that you had returned to Stanford from Bisbee; I presume this means that your field study of breccia pipes/dikes of that district is concluded. As Chairman of the A.I.M.E. Geology Division for this year, I invite you to consider the possibility of giving a talk on the above subject, December 3, 1962, in Tucson, at the annual Arizona meeting.

I fully realize the time and finances involved in coming here just for that purpose, but I am sure that your comments would be appreciated by all of us in the geological profession.

Should you be forced to decline, I wonder if you would be so kind as to offer an opinion as to whether one of the geologic staff in Bisbee could speak on the same subject, and to whom such inquiry should be made.

In any event, I hope to see you again in the future.

Best regards,

JOHN E. KINNISON  
Chairman, Geologic Division  
Arizona Section, A.I.M.E.

September 5, 1962

Dr. E. D. Wilson, Geologist  
Arizona State Bureau of Mines  
University of Arizona Campus  
Tucson, Arizona

Dear Eldred:

This will confirm our earlier discussion re a talk to be given by you and/or Dick Moore, on some geologic features of Arizona, at the Arizona A.I.M.E. meeting on Monday, December 3, 1962. I am sure that your remarks, following the study which went into remapping the State, will be welcomed by all of us in the geological profession.

In the past many of these talks have been on the order of 25 minutes, but if you would like, I feel sure that the program contains ample latitude to accomodate a more lengthy paper; and as chairman I invite you to take as much time as you think desirable.

In the near future I must submit a program to the A.I.M.E., and for this purpose I need to know the title of the paper, the author(s), their affiliation and title.

Very truly yours,

JOHN E. KINNISON  
Chairman, Mining Geology Division  
Arizona Section, A.I.M.E.

cc: R. T. Moore

December 18, 1961

Mr. Frank P. Knight, Director  
Department of Mineral Resources  
Mineral Building, Fairgrounds  
Phoenix, Arizona

Dear Sir:

I am very sorry to say that no printed papers were prepared for the talk.

Thank you for your inquiry.

Yours very truly,

ORIGINAL SIGNED BY  
JOHN E. KINNISON

JOHN E. KINNISON

JEK/z

*This concerns my talk on the  
Mission deposit at AIME Dec 1961*

AMERICAN INSTITUTE OF MINING METALLURGICAL AND PETROLEUM ENGINEERS

ARIZONA SECTION ANNUAL MEETING  
Pioneer Hotel, Tucson, Arizona  
December 4, 1961

\* \* \* \* \*

PROGRAM OF TECHNICAL SESSIONS OF PROFESSIONAL DIVISIONS

10:30 A.M. to 12:30 P.M.

**SMELTING DIVISION**

J. Stuart Nebeker, Chairman

"Copper Applications of Basic Refractories"

Jan Bowman, Kaiser Corporation Research Laboratories

**UNDERGROUND MINING DIVISION**

B. W. Van Voorhis, Chairman

"Leaching in Place", James B. Fletcher, Miami Copper Company

"Rock Bolting", Tony Cafarelli, Magma Copper Company

**MINING GEOLOGY DIVISION**

E. H. Lewis, Chairman

"Unique and Efficient Geologic Mapping with the Use of Aerial Photographs", Dr. Thomas W. Mitcham, Mining Geologist

"Considerations of the Behavior of Molybdenum in the Supergene Environment", Dr. Spencer R. Titley, University of Arizona

"Geology of the Mission Copper Deposit, Arizona"

John E. Kinnison, American Smelting and Refining Company

2:40 to 4:00 P.M.

**OPEN PIT MINING DIVISION**

Troy B. Hinton, Chairman

"Long Range Mine Planning with a Digital Computer"

Richard F. Hewlett, College of Mines, U of A

"Skip Haulage in Open Pit Mines"

Richard P. Cardew, National Iron Company

"Preventive Maintenance for Mining Equipment"

Ray W. Ballmer, Kennecott Copper Corporation

30-minute round table discussion on open pit mining methods

**MINERAL DRESSING DIVISION**

Thomas D. Henderson, Sr., Chairman

"By-product Molybdenum Recovery from Western U. S. A. Porphyry Copper Ores"

J. A. McAllister, American Cyanamid Company

"The Heyl and Patterson Cyclo Cell and Application of the Hydro-pneumatic Froth Flotation Principle"

Joseph P. Matoney

MISSION  
PAPER →

## A. I. M. E. OFFICERS

62

### NATIONAL

R. R. McNAUGHTON, *President*  
L. E. ELKINS, *President-Elect*  
E. O. KIRKENDALL, *Secretary*  
C. J. HICKS, *Western Field Secretary*

### ARIZONA SECTION

W. C. LAWSON, *Chairman*  
T. A. SNEDDEN, *First Vice-Chairman*  
B. R. COIL, *Second Vice-Chairman*  
P. S. GESHELL, *Secretary-Treasurer*

### DIRECTORS

G. E. Atwood  
A. T. Barr  
L. Bombardieri  
A. B. Bowman  
J. A. Briggs  
J. F. Buchanan  
T. G. Chapman  
C. W. Clarkson  
B. R. Coil  
C. P. Donohoe  
G. J. Duff  
J. D. Forrester  
D. Gardner  
W. P. Goss  
T. D. Henderson, Sr.  
T. B. Hinton  
S. C. Holmes  
P. D. I. Honeyman  
D. M. Kentro  
W. C. Lawson

## SECTION MEETING

### General Arrangements

W. C. Lawson, *Chairman*

J. D. Forrester

P. S. Geshell

### Registration

S. L. Smith, *Chairman*

F. L. Stubbs

C. W. Clarkson, *Student Chapter President*

### Technical Meetings

H. E. Krumlauf, *Chairman*

G. H. Roseveare, *Vice-Chairman*

B. W. Van Voorhis, *Chairman Underground Mining Division*

J. S. Nebeker, *Chairman, Smelting Division*

T. D. Henderson, *Chairman, Mineral Dressing Division*

T. H. Hinton, *Chairman, Open Pit Mining Division*

E. H. Lewis, *Chairman, Geology Division*

### Cocktails, Dinner Dance

J. D. Forrester

## P R O G R A M

(All functions at Pioneer Hotel)

63

Registration 8:00 A.M.

\$2.00 Mezzanine

Ladies' Coffee — WAAIMÉ 9:00-11:00 A.M.

Patio — Ramada

Director's Meeting 2:30 P.M., Sunday,

December 3, 1961

Chinese Room

64

## PROGRAM OF TECHNICAL SESSIONS OF PROFESSIONAL DIVISIONS

10:30 A.M. to 12:30 P.M.

### SMELTING DIVISION

J. Stuart Nebeker, *Chairman*

Chinese Room

"Copper Applications of Basic Refractories"

Jan Bowman, Kaiser Corporation  
Research Laboratories

"Use of Transvaal Crome Ore for Basic Refractories"

L. H. Paulsen, Gladdin-McBean Co.

## UNDERGROUND MINING DIVISION

B. W. Van Voorhis, *Chairman*

Varsity Room

"Leaching in Place"

James B. Fletcher, Miami Copper Company

"Installation and Maintenance of Underground Haulage Tracks at San Manuel"

Leslie C. Acton and C. G. Massey,  
San Manuel Copper Co.

65

## MINING GEOLOGY DIVISION

E. H. Lewis, *Chairman*

Terrace Room

"Unique and Efficient Geologic Mapping with the Use of Aerial Photographs"

Thomas W. Mitcham, Mining Geologist

"Considerations of the Behavior of Molybdenum in the Supergene Environment"

Spencer R. Titley, University of Arizona

"Geology of the Mission Copper Deposit, Arizona"

John E. Kinnison, American Smelting and Refining Company



AMERICAN SMELTING AND REFINING COMPANY  
Tucson Arizona

November 22, 1961

Mr. Jackson How, Director  
Public Relations  
American Smelting and Refining Company  
120 Broadway  
New York 5, New York

A.I.M.E. Talk On  
Mission Geology

Dear Sir:

Mr. John Kinnison is scheduled to give a talk before the Arizona Section A.I.M.E. on December 4, 1961. This talk will be delivered from notes, three copies of which are attached. The talk will be accompanied by projected slides made from the colored prints of geological sections which accompany the copies of his notes. None of this material will be available in printed form to the audience.

You will, of course, understand that Mr. Kinnison will expand somewhat on these notes during his talk. But any such additional comments will not alter the sense of the notes as he has compiled them.

The geological sections are diagrammatic and could, for the most part, be constructed from material already published. There will be no information included either in the talk or the projected slides which could work to the Company's disadvantage in any respect.

I am aware that you require three weeks for approval of something like this. However, due to the press of other work it has been impossible to complete the drafting for the slides sooner. I am sorry about this delay, but I would appreciate hearing from you about this prior to the date scheduled for the talk, Monday, December 4.

Yours very truly,

Original Signed By  
Ken Richard

KENYON RICHARD

Attachs.

KR/z

cc: How, 2 extra, w/attachs.  
C Pollock, w/attach.  
D Pope, w/attach.  
J Kinnison, no attach.