



CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
416 W. Congress St., Suite 100
Tucson, Arizona 85701
520-770-3500
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

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J. H. COURTRIGHT
EXPLORATION GEOLOGIST
ARIZONA REGISTRATION No. 5927

202 SUFFOLK DRIVE
TUCSON, ARIZONA 85704

PHONE (602) 297-0747

Nov. 1, 1981

Dear Mr. Marsten:

I wish to acknowledge with appreciation your letter of 10-20-81, advising of my election to Senior Membership in SEG.

Enclosed is my check in the amount of 35⁰⁰ as a donation to the Society. I do wish to continue receiving "Economic Geology."

Very Truly yours

J. H. Courtright

Society of Economic Geologists Foundation

The following individuals and companies contributed to SEG Foundation in 1981. Their gifts made possible support of the programs listed overleaf and are acknowledged with grateful appreciation. The persons whose names are marked with an asterisk (*) have pledged \$100 or more for five years and are members of SEG Boosters Club.

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Anglo-American Corp.

\$10000-19999

Anaconda Copper Co.
Getty Oil Co.
Occidental Minerals Co.

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PROJECTS SUPPORTED BY SEG FOUNDATION IN 1981-1982

1981

Distinguished Lecturer expenses-Frank M. Vokes - Cincinnati Meeting Industrial Minerals Forum - Albuquerque
CIM/SEG Uranium Field Conference - Saskatoon
Society Pages in Economic Geology
AGI Minority Program
Thayer Lindsley Lectures at: University of Minnesota-Duluth,
Univ. of California, Univ. of Montana, Arizona State Univ.,
Univ. of Florida, Indiana Univ., Purdue Univ.,
Univ. of N. Carolina, and N. Mexico Institute of Mining and
Technology.
Symposium on "Metal Deposits in Clastic Sedimentary Rocks" -
Cincinnati Meeting.

1982

Field Conference on South Texas Uranium Deposits - Dallas Meeting
Industrial Minerals Forum - April - Bloomington, Indiana. Short Course on
Volcanogenic Massive Sulfide Deposits - New Orleans Meeting - October.
San Juan Field Conference - Fall
Travel Expense for ten speakers at the Russia Meeting of the International
Association on the Genesis of Ore Deposits.
Distinguished Lecturer expenses - Pentti Rouhunkoski - February - Dallas Meeting.
Penrose Conference on "Hydrodynamics and Geochemistry of Ore Generation in
Sedimentary Environments - May - Missouri.
AGI Minority Program
Society Pages in Economic Geology
Thayer Lindsley Lectures at: Univ. of Miami, Kansas State Univ.,
Univ. of Utah, Univ. of Georgia, Univ. of Oregon, Univ. of Texas-
El Paso, and Univ. of N. Mexico.
Expenses of the International Vice-President for Australia in a series of lectures
at the time of the Dallas Meeting.
The First International Exchange Lectureship on Ore Genesis at the time of the
New Orleans Meeting.



THE UNIVERSITY OF ARIZONA
TUCSON, ARIZONA 85721

DEPARTMENT OF GEOSCIENCES
TEL. (602) 626-1819

May 1979

RECEIVED

JUN 6 - 1979

EXPLORATION DEPT.

Dear SEG Tucson Field Conferee:

This letter has three purposes. First, it thanks you for your participation in the Conference, with hopes that you profitted as much as we think you did in this extension of the role of the Society. Second, it accompanies three sheets that many of you never collected which should be added to your Guidebook in the North Silver Bell section right beyond the Road Log in the order A, B, C. Please note: SEVERAL FIELD GUIDE LOCATIONS ON PAGES B AND C HAVE BEEN CORRECTED ON THIS COPY. PLEASE DESTROY YOUR OLDER B AND C IF YOU HAVE THEM, and see to the replacement of any copies you have xeroxed. The new sheets make a self-guided tour of that most illustrative surface possible whether the flagging and signposts survive or not.

Thirdly, the Organizing Committee of the Conference and the Program Policy Committee of the Society would greatly appreciate it if you would send a critique of the Conference to Arnold Brokaw (SEG Secretary, 185 Estes St., Lakewood, Colorado, 80226). As many of you know, a similar field conference is planned for Epithermal Deposits-Nevada in 1980, and the experience of this Tucson conference may prove very valuable. Please comment upon at least these items: the value of the half-day preliminary papers, with individual comments (Gilbert, Norton, Titley, Beane, Heidrick, Keith) if you wish; the aptness of the papers; the aptness of the evening mine-preparatory sessions (Silver Bell, Esperanza-Sierrita); the illustrative-scientific value of each of the three days (Silver Bell, Esperanza-Sierrita, North Silver Bell); the length of the Conference (more field days? fewer?); its overall thrust (self-involvement, familiarization, updating); its cost-effectiveness; its overall management; the value of the Guidebook; and whatever else you'd like to say. Arnold will compile the results and relay them to me and to Don White for his use for 1980.

Again, we're glad you could be here, and trust that it was rewarding.

Sincerely yours,

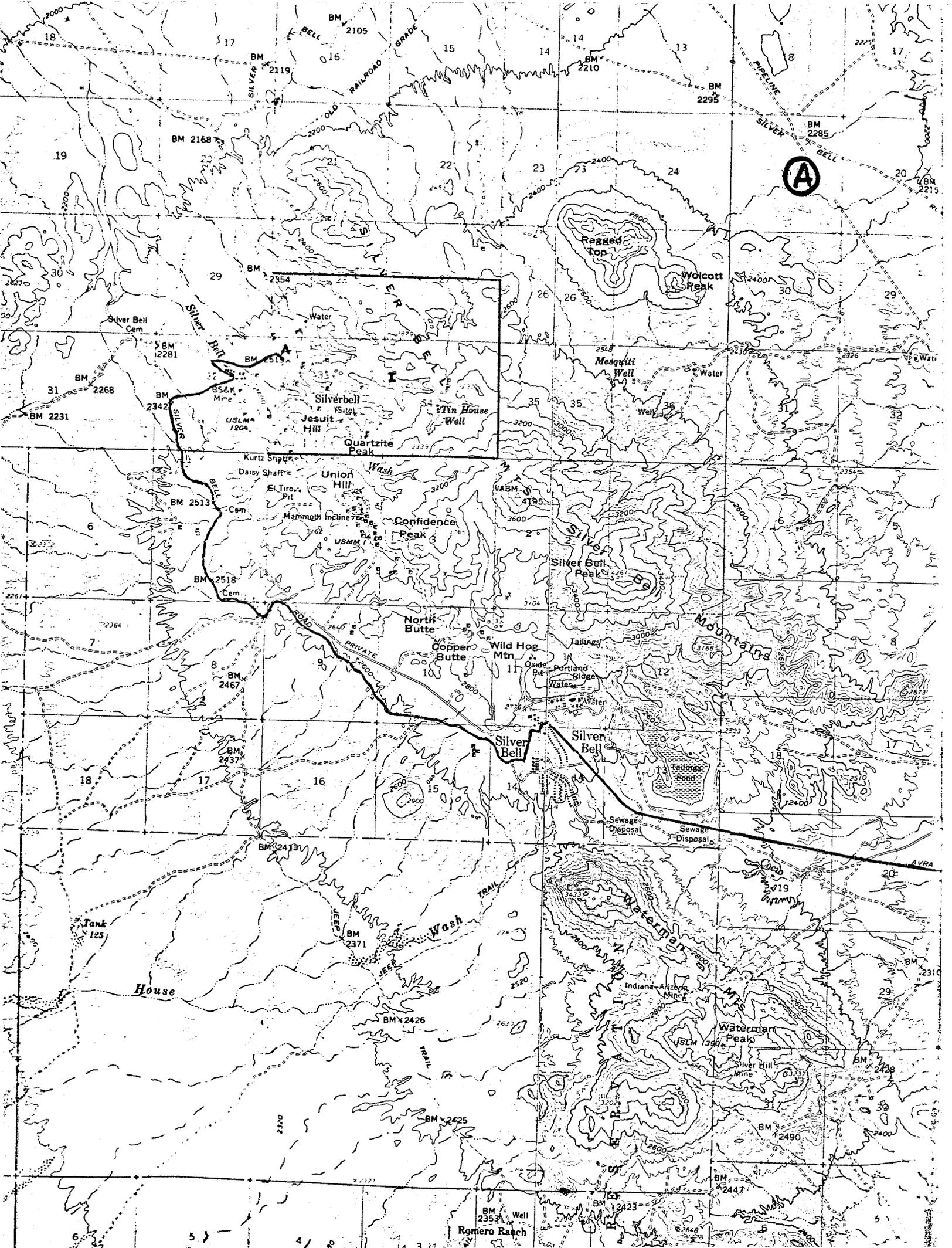

John M. Gilbert
for the Organizing Committee

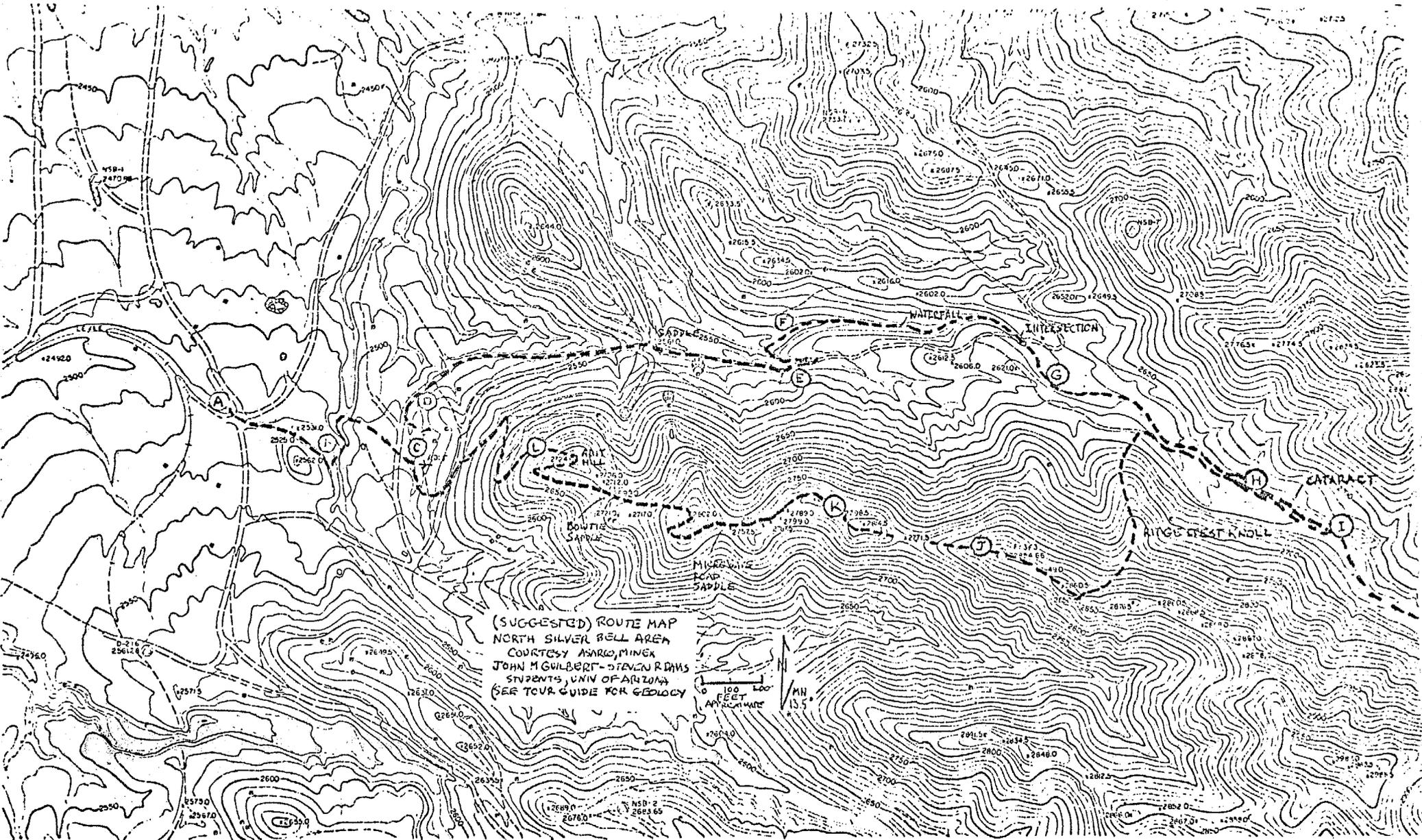
Also enclosed: a supplementary figure, SB Keith abstract

JMG:me

JAC

J. H. C.
AUG 28 1979



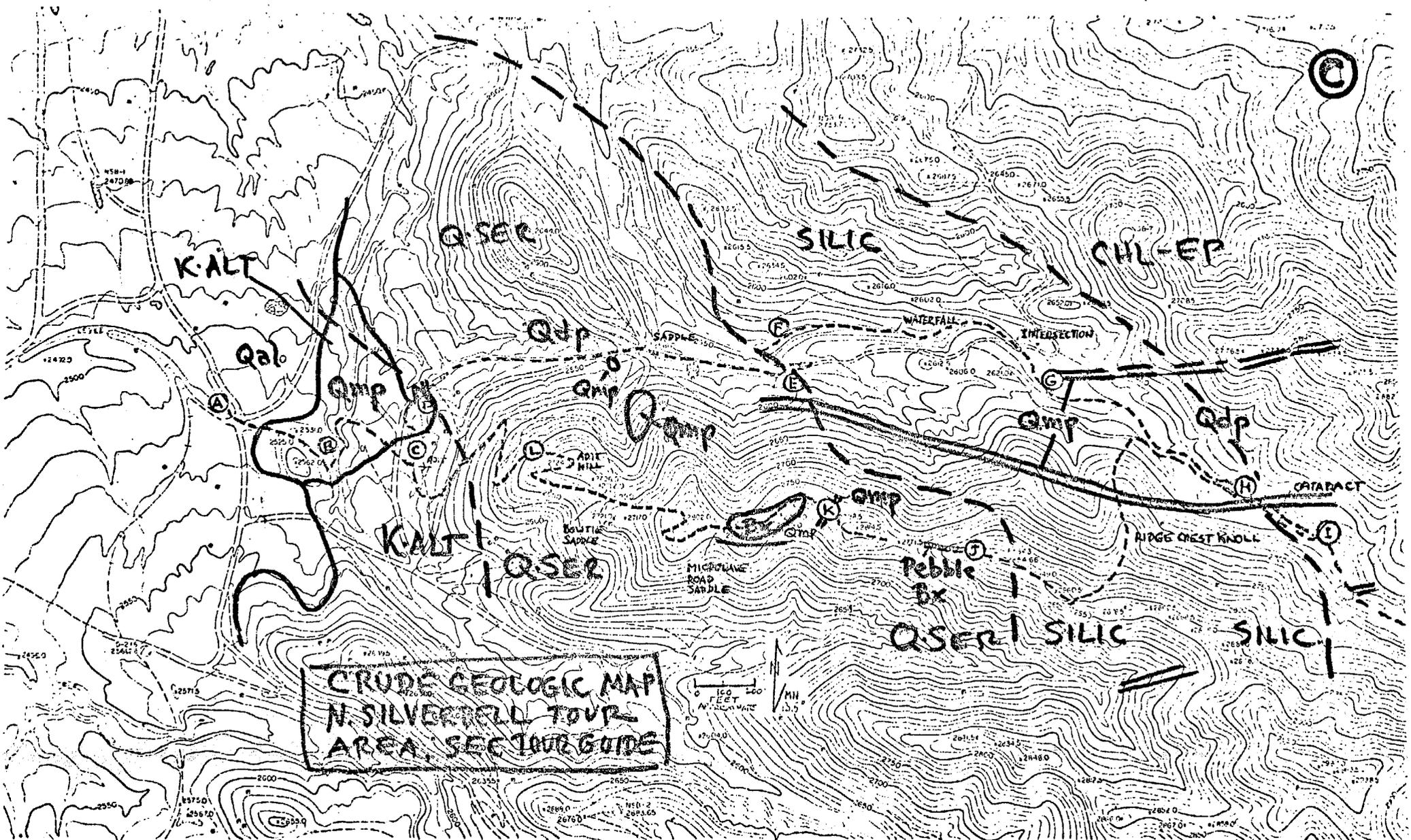


(SUGGESTED) ROUTE MAP
 NORTH SILVER BELL AREA
 COURTESY ASARO, MINGX
 JOHN M GUILBERT - STEVEN R DAVIS
 STUDENTS, UNIV OF ARIZONA
 (SEE TOUR GUIDE FOR GEOLOGY)



505
 268317

NORT
 J



CRUDE GEOLOGIC MAP
 N. SILVERHILL TOUR
 AREA. SEE TOUR GUIDE

0 100 200
 FEET
 APPROXIMATE



©

Supplementary figure - S.B. Keith Abstract
 Insert ref to Fig. 1' after word 'patterns', 11
 lines from bottom, p. 2.

Figure 1'

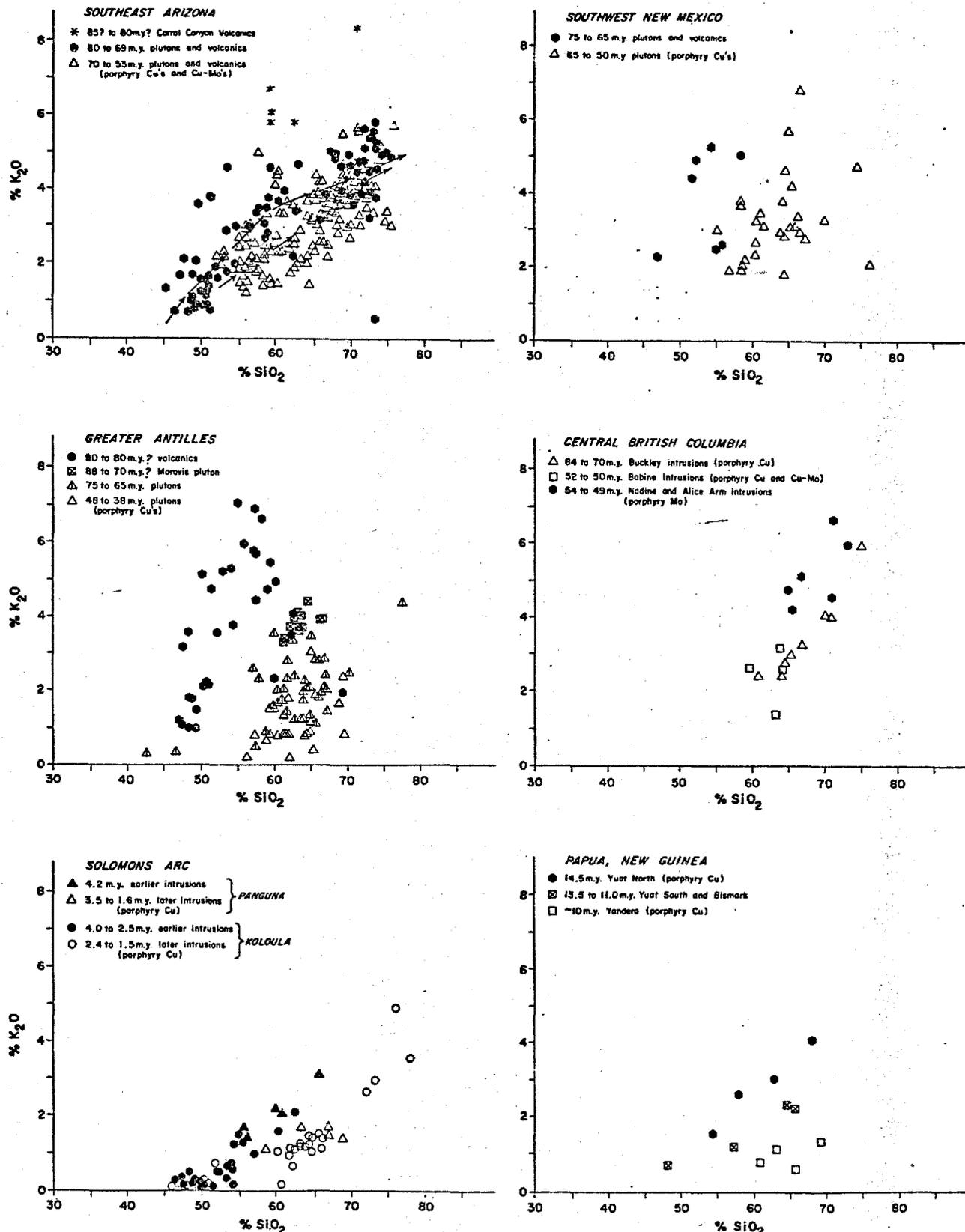


Figure 1': K_2O/SiO_2 Harker variation diagrams for igneous rocks associated with porphyry Cu-Mo deposit clusters.

SOCIETY OF ECONOMIC GEOLOGISTS

NOMINATION FORM

In accordance with the information on this Nomination Form and our support on the Sponsoring Form, we propose as a nominee for membership in the Society of Economic Geologists:

NAME (in full): David P. Cadwell DATE November 28, 1977

ADDRESS 3422 South 700 West, Salt Lake City, Utah 84119

DATE AND PLACE OF BIRTH 8-29-39 Billings, Montana

EDUCATION:

	University	Years	Degree
Undergraduate	<u>Montana School of Mines</u>	<u>1957-1962</u>	<u>BSc</u>

Graduate _____

TOTAL PROFESSIONAL EXPERIENCE: Tabulate chronologically as indicated. Form will not be completed from separate material submitted.

Years	Position	Employer
<u>1976 - Present</u>	<u>Manager SLX</u>	<u>ASARCO Inc.</u>
<u>1975 - 1976</u>	<u>Manager</u>	<u>CMA</u>
<u>1973 - 1975</u>	<u>Expl. Manager</u>	<u>Mission Expl.</u>
<u>1970 - 1973</u>	<u>District Manager</u>	<u>Asarco (Aust.) Pty. Ltd.</u>
<u>1968 - 1970</u>	<u>Resident Manager</u>	<u>Asarco de Argentina</u>
<u>1965 - 1968</u>	<u>Supervisor</u>	<u>Asarco Mexicana S.A.</u>

(Use other side if needed)

POSITION(S) OF RESPONSIBILITY: (In the field of Economic Geology)

Years	Position	Employer
<u>1976 - Present</u>	<u>Manager SLX</u>	<u>ASARCO Inc.</u>
<u>1975 - 1976</u>	<u>Manager</u>	<u>CMA</u>
<u>1973 - 1975</u>	<u>Expl. Manager</u>	<u>Mission Expl.</u>
<u>1970 - 1973</u>	<u>District Manager</u>	<u>Asarco (Aust.) Pty. Ltd.</u>
<u>1968 - 1970</u>	<u>Resident Manager</u>	<u>Asarco de Argentina</u>
<u>1965 - 1968</u>	<u>Supervisor</u>	<u>Asarco Mexicana S.A.</u>

NOMINEE'S PRINCIPAL ACTIVITIES IN THE SCIENCE OF ECONOMIC GEOLOGY: (to be completed by initial sponsor)

Mr. Cadwell has been very active in the search for mineral resources throughout the world for many years and has been considered successful by his peers and by his employer.

Note: Submit this completed form and the membership sponsoring form completed by the three sponsors. All pertinent data must be fully and clearly presented. Particular emphasis should be placed on prescribed three years in positions of responsibility. Initial sponsor assumes full responsibility for seeing forms are complete, fully signed, and sent to the Membership Secretary of the Society.

Date received by Membership Secretary _____

(OVER)

Additional Professional Experience: (Use separate sheet if necessary)

Years	Position	Employer
1962 - 1965	Expl. Geologist	Northern Peru Mining Co.

PUBLICATIONS: (Use reference format as in *Economic Geology*. Use additional sheet if necessary)

OBJECTIVES

The object of the Society is to advance the science of geology and its application to mining and other industries; to disseminate knowledge concerning such application; to advance the status of the profession of geology; and to protect and maintain a high professional and ethical standard in the profession of geology.

MEMBERSHIP

ELIGIBILITY

Any person who, by knowledge, experience, and honorable standing in the profession, is qualified to advance the objects of the Society shall be eligible for membership, provided the nominee has had a minimum of eight years of professional experience, including not less than five years at work principally devoted to economic geology, of which three years must have been in positions of responsibility. Graduates in geology or engineering shall be credited with full time for post-graduate study in geology for not more than three years toward the required eight years of experience. Minimum experience requirements alone will not necessarily qualify a nominee for membership. Geologists or engineers who have rendered signal service in applied geology but do not meet the above experience requirements are also eligible for membership.

PROCEDURE

A nominee for membership must be proposed by three members who submit completed Nomination and Sponsoring Forms. These Forms shall be sent to the Membership Secretary of the Society who shall refer them forthwith to the Admissions Committee. The names, addresses and positions of all nominees who, in the judgment of the Admissions Committee, meet the qualifications and requirements for membership set forth above shall be submitted to the members, with the request that the members present in writing any objections to nominees. After at least seventy-five (75) days have elapsed from the submission of a nominee's name to the members, the nomination shall be presented to the Council for its action. Two adverse votes by the Council shall cause the nomination to be placed upon the table without prejudice, and such nomination may be brought up for reconsideration at the next stated annual meeting of the Council.

SOCIETY OF ECONOMIC GEOLOGISTS

Membership Sponsoring Form

Name of Nominee DAVID P. CADWELL

QUALIFICATIONS OF THE NOMINEE

(See data given on back of nomination form)

TO THE INITIAL SPONSOR: Please establish your nominee's eligibility for membership with respect to the various classes of information listed below. Incomplete and unorganized information may cost your nominee deserved acceptance by the Admissions Committee.

1. *Acquaintance with Nominee.* State the extent and nature of your acquaintance. How long known to you? Has nominee worked under your direction? Are you familiar with nominee's work in recent years?

I have known David P. Cadwell for fifteen years as a fellow member of ASARCO Inc.'s exploration team. He has never worked under my direction; however, for the last fifteen months he has been the Manager of the Salt Lake Exploration office, of which I am a member. Thus, I am very familiar with his work.

2. *Experience and Achievement.* Special attention is called to the requirement of at least eight years of Professional experience, including not less than *five* years at work principally devoted to *economic geology*, of which *three* years must have been in *positions of responsibility*. Indicate pertinent information *not included* in the nominee's application as to *experience, achievement* and *ethical standing* in academic, industrial, or professional fields. Consideration will be given to the work of an individual in research and as a teacher or trainer of economic geologists. When professional standing is the main basis for nomination, additional sponsorship may be requested by the Admissions Committee.

As shown under "Total Professional Experience" and "Positions of Responsibility" Mr. Cadwell has been active for fifteen years in mineral exploration throughout the world. Twelve years of this time was as a manager. From personal knowledge, Mr. Cadwell has always maintained the highest ethical standards and from mutual professional acquaintances I have never heard any derogatory opinions of Mr. Cadwell.

(over)

3. *Publications.* In case publications are listed, indicate which are *especially noteworthy*, particularly with respect to their contribution to the objectives of the Society. Publications are not a basic qualification for membership, but in their absence, the other qualifications can be judged only by the sponsor's detailed information as to the nominee's geologic abilities and contributions to economic geology presented under *Experience and Achievement*.

Since Mr. Cadwell has always worked for a major company, all his reports have been of a proprietary nature and consequently were not published.

4. *Contributions to economic geology through related sciences or other branches of geology.* Scientists in other fields may be regarded as suitable for membership provided they have contributed in a special way to economic geology. The nature of such contributions should be fully explained. Additional sponsorship may be requested by the Admissions Committee.

Not applicable to this nomination.

For the reasons given above, I believe that this nominee is qualified for membership in the Society of Economic Geologists.

Date November 28, 1977

Signature Bert C. Morrison

Member

Type or
print clearly Bert C. Morrison

SECOND AND THIRD SPONSORS: State the *extent* and *nature* of your acquaintance with the nominee and also add supplementary comments if you wish.

Second Sponsor—

I became acquainted with the nominee when he joined Asarco in 1962 and am familiar with much of his work since then, particularly during the past seven years in my capacity as Chief Geologist.

I endorse the nominee for membership. Date 12-7-77

Signature J. H. Courtright Name (printed) J. H. Courtright

Third Sponsor—

I endorse the nominee for membership. Date _____

Signature _____ Name (printed) _____

Note: If spaces supplied are inadequate, please put additional comments, appropriately numbered, on a separate sheet.

October 1973

SOCIETY OF ECONOMIC GEOLOGISTS

Membership Sponsoring Form

Name of Nominee _____

QUALIFICATIONS OF THE NOMINEE

(See data given on back of nomination form)

TO THE INITIAL SPONSOR: Please establish your nominee's eligibility for membership with respect to the various classes of information listed below. Incomplete and unorganized information may cost your nominee deserved acceptance by the Admissions Committee.

1. *Acquaintance with Nominee.* State the extent and nature of your acquaintance. How long known to you? Has nominee worked under your direction? Are you familiar with nominee's work in recent years?

2. *Experience and Achievement.* Special attention is called to the requirement of at least eight years of Professional experience, including not less than *five* years at work principally devoted to *economic geology*, of which *three* years must have been in *positions of responsibility*. Indicate pertinent information *not included* in the nominee's application as to *experience, achievement* and *ethical standing* in academic, industrial, or professional fields. Consideration will be given to the work of an individual in research and as a teacher or trainer of economic geologists. When professional standing is the main basis for nomination, additional sponsorship may be requested by the Admissions Committee.

(over)

3. *Publications.* In case publications are listed, indicate which are *especially noteworthy*, particularly with respect to their contribution to the objectives of the Society. Publications are not a basic qualification for membership, but in their absence, the other qualifications can be judged only by the sponsor's detailed information as to the nominee's geologic abilities and contributions to economic geology presented under *Experience* and *Achievement*.

4. *Contributions to economic geology through related sciences or other branches of geology.* Scientists in other fields may be regarded as suitable for membership provided they have contributed in a special way to economic geology. The nature of such contributions should be fully explained. Additional sponsorship may be requested by the Admissions Committee.

For the reasons given above, I believe that this nominee is qualified for membership in the Society of Economic Geologists.

Date _____ Signature _____
Member
Type or
print clearly _____

SECOND AND THIRD SPONSORS: State the *extent* and *nature* of your acquaintance with the nominee and also add supplementary comments if you wish.

Second Sponsor—

I endorse the nominee for membership. Date _____
Signature _____ Name (printed) _____

Third Sponsor—

I endorse the nominee for membership. Date _____
Signature _____ Name (printed) _____

Note: If spaces supplied are inadequate, please put additional comments, appropriately numbered, on a separate sheet.
October 1973

SOCIETY OF ECONOMIC GEOLOGISTS

NOMINATION FORM

In accordance with the information on this Nomination Form and our support on the Sponsoring Form, we propose as a nominee for membership in the Society of Economic Geologists:

NAME (in full): _____ DATE _____

ADDRESS _____

DATE AND PLACE OF BIRTH _____

EDUCATION: _____ University _____ Years _____ Degree _____

Undergraduate _____

Graduate _____

TOTAL PROFESSIONAL EXPERIENCE: Tabulate chronologically as indicated. Form will not be completed from separate material submitted.

Years _____ Position _____ Employer _____
—Present

(Use other side if needed)

POSITION(S) OF RESPONSIBILITY: (In the field of Economic Geology)

Years _____ Position _____ Employer _____
—Present

NOMINEE'S PRINCIPAL ACTIVITIES IN THE SCIENCE OF ECONOMIC GEOLOGY: (to be completed by initial sponsor)

Note: Submit this completed form and the membership sponsoring form completed by the three sponsors. All pertinent data must be fully and clearly presented. Particular emphasis should be placed on prescribed three years in positions of responsibility. Initial sponsor assumes full responsibility for seeing forms are complete, fully signed, and sent to the Membership Secretary of the Society.

Date received by Membership Secretary

(OVER)

Additional Professional Experience: (Use separate sheet if necessary)

Years

Position

Employer

PUBLICATIONS: (Use reference format as in *Economic Geology*. Use additional sheet if necessary)

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PROCEDURE

A nominee for membership must be proposed by three members who submit completed Nomination and Sponsoring Forms. These Forms shall be sent to the Membership Secretary of the Society who shall refer them forthwith to the Admissions Committee. The names, addresses and positions of all nominees who, in the judgment of the Admissions Committee, meet the qualifications and requirements for membership set forth above shall be submitted to the members, with the request that the members present in writing any objections to nominees. After at least seventy-five (75) days have elapsed from the submission of a nominee's name to the members, the nomination shall be presented to the Council for its action. Two adverse votes by the Council shall cause the nomination to be placed upon the table without prejudice, and such nomination may be brought up for reconsideration at the next stated annual meeting of the Council.

SOCIETY OF ECONOMIC GEOLOGISTS
INCORPORATED

RECEIVED

APR 19 1974

EXPLORATION DEPT.

TO: MEMBERS OF THE SOCIETY OF ECONOMIC
GEOLOGISTS

DATE: MARCH 8, 1974

FROM: E. N. CAMERON, PRESIDENT

J. H. C.

SUBJECT: ASSOCIATE MEMBERSHIP IN THE SOCIETY

APR 19 1974

At its meeting in November, 1973, the Council of SEG unanimously approved a new class of membership of the Society, to be called Associate Membership. Approval by a majority of the membership voting is required to approve the constitutional amendment which would bring about this desirable change in the Society's membership structure. I strongly urge that you vote YES to adopt this amendment.

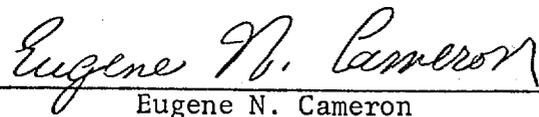
Many of you have expressed the view, which Council has now endorsed, that the Society's membership needs to be broadened so as to attract graduate students and the younger professionals in the field. A clear indication that we are not doing so is shown by a poll of the membership last year: only 8% of our members are under the age of 40.

I feel that the Society's objectives will be materially furthered by attracting young, active scientists early, when they are entering their most productive years. If associate membership in the Society is offered to this younger age group, the membership should eventually comprise most of the professional workers in economic geology.

As you will see in the proposed amendment, associate membership would terminate automatically after nine years, with no preferential right of future admission to full membership; this assures that the quality of full membership is maintained. However, if an associate member is qualified to become a member, he may do so without any loss of privileges. In addition to other privileges provided, we anticipate that associate members will serve on committees, where appropriate, so as to bring the views of the active young professional to the Society.

I want to emphasize that in setting dues for associate members, the aim of Council will be to make the associate membership self-sustaining, but dues should be somewhat lower than those of members.

All aspects of the proposed associate membership are clearly spelled out in the attached* constitutional amendment. I urge you to read it carefully and to vote for the proposal on the enclosed ballot.


Eugene N. Cameron

*see reverse side

PROPOSED NEW SECTION 5 OF ARTICLE V OF THE CONSTITUTION
ASSOCIATE MEMBERS

Section 5. There shall be a separate class of membership referred to as "associate members." The privileges of associate members shall be governed by the provisions of this Section 5.

An applicant for associate membership must hold at least a bachelor's degree or its equivalent, granted not more than 8 years prior to the date of application for associate membership, in one of the geological sciences from a degree granting college or university and must at the time of application be engaged in research or exploration related to the geology of mineral deposits, or be enrolled as a graduate student in geology, or be engaged in teaching geology.

An applicant for associate membership must be sponsored by either a member, other than an associate member, or the head of the Geology Department of the college or university which granted the applicant his qualifying degree. The application form, bearing the signature of the sponsor, shall be sent to the Membership Secretary who shall refer it forthwith to the Admissions Committee. If in the opinion of the Admissions Committee the applicant is qualified for associate membership, the application shall be referred to the Council for its action. Two adverse votes by the Council shall cause an applicant's name to be placed upon the table with the same consequences and effect as provided in Section 2 of Article V hereof. Applications for associate membership shall contain a provision to the effect that the applicant agrees he will not make reference to his membership in business cards or advertisements for professional services.

Associate members shall have the same privileges as members except that associate members may not hold office, may not sponsor other applicants, and may not vote on matters affecting an interpretation of or change in this Constitution or the By-Laws.

Associate membership shall terminate automatically 9 years after the date of the granting of the first degree which qualified the associate member for membership. An associate member shall not qualify automatically for full membership nor enjoy any preference rights with respect thereto, but shall be obligated to apply for membership on the same basis as any other person, if such associate member desires to become a full member.

SOCIETY OF ECONOMIC GEOLOGISTS, INC.

The IAGOD Commission on the Tectonics of Ore Deposits and the CGMW Subcommission for the Metallogenic Map of the World will hold a symposium entitled "Ore Deposits of the Tethys Region in the Context of Global Tectonics," during the IAGOD meetings at Varna, Bulgaria, September 19-25, 1974. The two half-day symposiums will be convened by P. W. Guild, J. W. Kutina and P. Routhier.

Deadline for registration is June 30, 1974. The forms may be obtained from the Secretary General, Professor B. Bogdanov, Geological Institute of the Bulgarian Academy of Sciences, 36th Street, block 2, Sofia, Bulgaria.

Members are again reminded of the new rules for the Lindgren Award, and the deadline for nominations, July 31, 1974. Members should send nominations to the Secretary, with supporting data showing that the paper was published before the author's 35th birthday, and that the nomination is made before the end of the year in which his 37th birthday falls.

After April 1, 1974, all correspondence should be addressed to the new Secretary, Arnold L. Brokaw, 185 Estes Street, Lakewood, Colorado 80226.

Robert A. Laurence
Secretary

March 31, 1974

SOCIETY OF ECONOMIC GEOLOGISTS
INCORPORATED

file

RECEIVED
SEP 5 1975
EXPLORATION DEPT.

JOHN D. WELLS, MEMBERSHIP SECRETARY
BLDG. 25, DENVER FEDERAL CENTER
DENVER, COLORADO 80225



J. H. C.

SEP 15 1975

August 21, 1975

Mr. J. H. Courtright
American Smelting and Refining Company
P. O. Box 5747
Tucson, Arizona 85703

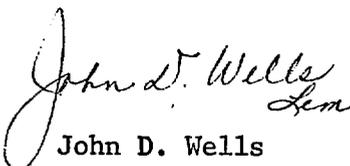
Dear Mr. Courtright:

The Nomination to Membership and the Membership Sponsoring forms have been received for William L. Kurtz.

Subsequent processing is in accordance with the provisions of the Society and requires time for consideration by the Admissions Committee, submission to Members for concurrence with approval of Admissions Committee, election to Membership by Council at one of its semi-annual meetings, and notification of Council action to new Member.

Your interest in and help to the Society in this matter are appreciated.

Sincerely,


John D. Wells

Copy to William L. Kurtz

← file
SOCIETY OF ECONOMIC GEOLOGISTS
INCORPORATED

RECEIVED
SEP 5 1975
EXPLORATION DEPT.

JOHN D. WELLS, MEMBERSHIP SECRETARY
BLDG. 25, DENVER FEDERAL CENTER
DENVER, COLORADO 80225



J. H. C.

SEP 15 1975

August 21, 1975

Mr. James H. Courtright
American Smelting & Refining Co.
P. O. Box 5747
Tucson, Arizona 85703

Dear Mr. Courtright:

The Nomination to Membership and the Membership Sponsoring forms have been received for John Robert King.

Subsequent processing is in accordance with the provisions of the Society and requires time for consideration by the Admissions Committee, submission to Members for concurrence with approval of Admissions Committee, election to Membership by Council at one of its semi-annual meetings, and notification of Council action to new Member.

Your interest in and help to the Society in this matter are appreciated.

Sincerely,

John D. Wells

Copy to John Robert King

The Hanna Mining Company

2896 SOUTH MAIN STREET
SALT LAKE CITY, UTAH 84115

RECEIVED
JUN 27 1975
EXPLORATION DEPT.

P.O. Box 15787

June 26, 1975

J. H. G. Telephone 801 486-8789

JUN 27 1975

Mr. J. Harold Courtright
ASARCO
Post Office Box 5747
Tucson, Arizona 85703

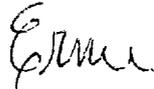
file Soc Econ Geol

Dear Harold:

Enclosed is the completed application form for SEG of Bill Kurtz. There is one blank yet to be filled in at the bottom of page 1. I have marked it with an "X" and I know the Membership Secretary is particular about it. Nothing elaborate is required and I usually say something like "a student of mineral deposits and their exploration". Once this is done, everything should go to John Wells, in Denver.

Best regards.

Yours very truly,



E. L. Ohle

ELO:cjd
Enclosure



AMERICAN SMELTING AND REFINING COMPANY
EXPLORATION DEPARTMENT
P. O. BOX 5747, TUCSON, ARIZONA 85703

J. H. COURTRIGHT
CHIEF GEOLOGIST

June 27, 1975

1150 NORTH 7TH AVENUE
TELEPHONE 602-792-3010

Mr. John D. Wells
Membership Secretary
U.S. Geological Survey
Denver Federal Center, Bldg. 25
Denver, Colorado 80225

Dear Mr. Wells:

Enclosed please find Nomination ^{for} and Membership form and
Membership Sponsoring form for the proposed candidacy of William
L. Kurtz to the Society of Economic Geologists.

Yours very truly,

J. H. Courtright
J. H. Courtright

JHC:lb
Encs: As noted

SOCIETY OF ECONOMIC GEOLOGISTS

Membership Sponsoring Form

Name of Nominee William L. Kurtz

QUALIFICATIONS OF THE NOMINEE (See data given on back of nomination form)

TO THE INITIAL SPONSOR: Please establish your nominee's eligibility for membership with respect to the various classes of information listed below. Incomplete and unorganized information may cost your nominee deserved acceptance by the Admissions Committee.

1. *Acquaintance with Nominee.* State the extent and nature of your acquaintance. How long known to you? Has nominee worked under your direction? Are you familiar with nominee's work in recent years?

My first acquaintance with the candidate was late in 1964 when he accepted a position as geologist on our Southwest Exploration staff which was under my direction. I am thoroughly familiar with all phases of his work during the subsequent ten years with ASARCO.

2. *Experience and Achievement.* Special attention is called to the requirement of at least eight years of Professional experience, including not less than *five* years at work principally devoted to *economic geology*, of which *three* years must have been in *positions of responsibility*. Indicate pertinent information *not included* in the nominee's application as to *experience, achievement* and *ethical standing* in academic, industrial, or professional fields. Consideration will be given to the work of an individual in research and as a teacher or trainer of economic geologists. When professional standing is the main basis for nomination, additional sponsorship may be requested by the Admissions Committee.

The candidate's professional experience amply fulfills the requirements as above set forth. The results of his considerable work for ASARCO in the West and Southwest U.S.A. have demonstrated a high degree of skill and competence in all phases of exploration, including administration. Also, I can attest to the high level of his professional ethics.

(over)

3. *Publications.* In case publications are listed, indicate which are *especially noteworthy*, particularly with respect to their contribution to the objectives of the Society. Publications are not a basic qualification for membership, but in their absence, the other qualifications can be judged only by the sponsor's detailed information as to the nominee's geologic abilities and contributions to economic geology presented under *Experience and Achievement*.

4. *Contributions to economic geology through related sciences or other branches of geology.* Scientists in other fields may be regarded as suitable for membership provided they have contributed in a special way to economic geology. The nature of such contributions should be fully explained. Additional sponsorship may be requested by the Admissions Committee.

For the reasons given above, I believe that this nominee is qualified for membership in the Society of Economic Geologists.

Date June 9, 1975 Signature J. H. Courtright
Member
Type or
print clearly J. H. Courtright

SECOND AND THIRD SPONSORS: State the *extent and nature* of your acquaintance with the nominee and also add supplementary comments if you wish.

Second Sponsor— *I have been acquainted with Mr. Kurtz since he joined Asarco in 1964. He worked under my direct supervision from 1969 thru 1971 when I was Manager of Exploration, Southwestern Division, Asarco. Mr. Kurtz is professionally competent as an exploration geologist and in my opinion is fully qualified for membership in SEG.*

I endorse the nominee for membership. Date 6/20/75
Signature W E Saegart Name (printed) William E. Saegart

Third Sponsor—

I endorse the nominee for membership. Date 6/24/75
Signature E. L. Ohle Name (printed) E. L. OHLE

Note: If spaces supplied are inadequate, please put additional comments, appropriately numbered, on a separate sheet. October 1973

SOCIETY OF ECONOMIC GEOLOGISTS

NOMINATION FORM

In accordance with the information on this Nomination Form and our support on the Sponsoring Form, we propose as a nominee for membership in the Society of Economic Geologists:

NAME (in full): William L. Kurtz DATE May 30, 1975

ADDRESS 7100 N. Pampa Place, Tucson, AZ 85704

DATE AND PLACE OF BIRTH Feb. 1, 1931; New York City, NY

EDUCATION:	University	Years	Degree
Undergraduate	Dartmouth College	1948-52	BA
Graduate	University of Arizona	1952-55	MS

TOTAL PROFESSIONAL EXPERIENCE: *Tabulate chronologically as indicated. Form will not be completed from separate material submitted.*

Years	Position	Employer
1965 —Present	Manager of Exploration,	SW Exploration Div., ASARCO Incorporated
1960-1964	Geologist	Bear Creek Mining Company
1959	Geologist	Atlas Consolidated Mining & Development
1957-1958	Geologist	Bear Creek Mining Company
Summers 52, 53, 54	Junior Geologist	Bear Creek Mining Company

(Use other side if needed)

POSITION(S) OF RESPONSIBILITY: *(In the field of Economic Geology)*

Years	Position	Employer
1972 —Present	Manager of Exploration,	SW Exploration Div., ASARCO Incorporated
1970-1971	Asst. Mgr. of Exploration,	SW Exploration Div., ASARCO Incorporated
1966-1969	Geologist in Charge,	Reno Office, SW Exploration Div., ASARCO Incorporated
1965	Geologist, Field Responsibility	Nevada, SW Explor. Div., ASARCO Incorporated
1961-1964	Geologist in Charge,	Reno Office, SW Exploration Dept., Bear Creek Mining Co.

NOMINEE'S PRINCIPAL ACTIVITIES IN THE SCIENCE OF ECONOMIC GEOLOGY: *(to be completed by initial sponsor)*

Extensive studies of mineral occurrences and exploration
in the search for economic deposits.

Note: Submit this completed form and the membership sponsoring form completed by the three sponsors. All pertinent data must be fully and clearly presented. Particular emphasis should be placed on prescribed three years in positions of responsibility. Initial sponsor assumes full responsibility for seeing forms are complete, fully signed, and sent to the Membership Secretary of the Society.

Date received by Membership Secretary

(OVER)

Additional Professional Experience: (Use separate sheet if necessary)

Years

Position

Employer

PUBLICATIONS: (Use reference format as in *Economic Geology*. Use additional sheet if necessary)

OBJECTIVES

The object of the Society is to advance the science of geology and its application to mining and other industries; to disseminate knowledge concerning such application; to advance the status of the profession of geology; and to protect and maintain a high professional and ethical standard in the profession of geology.

ELIGIBILITY

Any person who, by knowledge, experience, and honorable standing in the profession, is qualified to advance the objects of the Society shall be eligible for membership, provided the nominee has had a minimum of eight years of professional experience, including not less than five years at work principally devoted to economic geology, of which three years must have been in positions of responsibility. Graduates in geology or engineering shall be credited with full time for post-graduate study in geology for not more than three years toward the required eight years of experience. Minimum experience requirements alone will not necessarily qualify a nominee for membership. Geologists or engineers who have rendered signal service in applied geology but do not meet the above experience requirements are also eligible for membership.

PROCEDURE

A nominee for membership must be proposed by three members who submit completed Nomination and Sponsoring Forms. These Forms shall be sent to the Membership Secretary of the Society who shall refer them forthwith to the Admissions Committee. The names, addresses and positions of all nominees who, in the judgment of the Admissions Committee, meet the qualifications and requirements for membership set forth above shall be submitted to the members, with the request that the members present in writing any objections to nominees. After at least seventy-five (75) days have elapsed from the submission of a nominee's name to the members, the nomination shall be presented to the Council for its action. Two adverse votes by the Council shall cause the nomination to be placed upon the table without prejudice, and such nomination may be brought up for reconsideration at the next stated annual meeting of the Council.

SOCIETY OF ECONOMIC GEOLOGISTS

Membership Sponsoring Form

Name of Candidate John Robert King

QUALIFICATIONS OF THE CANDIDATE

(See data given on back of nomination form)

TO THE SPONSOR: This is your candidate. Please establish his (her) eligibility for membership with respect to the various classes of information listed below. Incomplete and unorganized information in regard to your candidate may cost him deserved acceptance by the Admissions Committee.

1. *Acquaintance with Candidate.* State the extent and nature of your acquaintance with the candidate. How long have you known him? Has he worked under your direction? Are you familiar with his work in recent years?

I have known the candidate personally for over five years. As Chief Geologist for his employer, ASARCO Incorporated, I am quite familiar with his work over this period and can vouch for the high level of his professional ethics.

2. *Experience and Achievement.* Special attention is called to the requirement of at least eight years of Professional experience, including not less than *five* years at work principally devoted to *economic geology*, of which *three years* must have been in *positions of responsibility*. Indicate pertinent information *not included* in the candidate's application as to *experience, achievement and ethical standing* in academic, industrial, or professional fields. Consideration will be given to the work of an individual in research and as a teacher or trainer of economic geologists. When professional standing is the main basis for nomination, additional sponsorship may be advisable.

The candidate has a particularly keen interest in and enthusiasm for economic geology, and has demonstrated a high degree of ability in the evaluation of porphyry copper and other deposits.

Essentially all of the candidates five years with our Company were in positions of responsibility ---- evaluation of regions, prospects, mines, and supervision of exploration projects.

(over)

8. *Publications.* In case publications are listed, indicate which are *especially noteworthy*, particularly with respect to their contribution to the objectives of the Society. Publications are not a basic qualification for membership, but in their absence, the other qualifications can be judged only by the sponsor's detailed information as to the candidate's geologic abilities and contributions to economic geology presented under *Experience and Achievement*.

4. *Contributions to economic geology through related sciences or other branches of geology.* Scientists in other fields may be regarded as suitable for membership provided they have contributed in a special way to economic geology. The nature of such contributions should be fully explained. Additional sponsorship may be advisable.

For the reasons given above, I believe that this candidate is qualified for membership in the Society of Economic Geologists.

Date June 5, 1975 Signature J. H. Courtright
Member
Type or
print clearly J.H. Courtright

SECOND AND THIRD SPONSORS: State the extent and nature of your acquaintance with the candidate, and also add supplementary comments if you wish.

Second Sponsor—

I endorse the candidate for membership. Date _____
Signature _____ Name (printed) _____

Third Sponsor—

I endorse the candidate for membership. Date _____
Signature _____ Name (printed) _____

Note: If spaces supplied are inadequate, please put additional comments, appropriately numbered, on a separate sheet.

July 1971

SOCIETY OF ECONOMIC GEOLOGISTS

NOMINATION TO MEMBERSHIP

In accordance with his desire, we the undersigned respectfully nominate for membership in the SOCIETY OF ECONOMIC GEOLOGISTS:

NAME (in full) John Robert King DATE 4 June, 1975
DATE AND PLACE OF BIRTH 14 May, 1945 COLLEGE DEGREES B.S. Oregon St. U. 1967 (fall)
OF BIRTH Denver Colo. (when and where obtained) M.S. Oregon St. U. 1970

ADDRESS 3300 N Six Bar Spur, Tucson, Ariz., 85705

POSITION OR OCCUPATION Exploration Geologist

PROFESSIONAL EXPERIENCE (chronologically)
(use separate sheet if necessary)

May 1970 - present, exploration geologist, ASARCO, Southwest Division; responsibility has been in the geologic development and management of specific exploration projects.
1967 (fall) - 1970, Instructor and teaching assistant, OSU, involved teaching field camp, mapping methods, economic geology lab, and freshman geology
1968 June - Sept., geologist, Bear Creek Mining Co., exploration, porphyry copper Alaska
1967 Summer, U.S. Army Core of E., drill project, geologist on Oregon dam site
(SEE ATTACHED SHEET)

PUBLICATIONS (use separate sheet if necessary)

Note: Please print or type. Please give exact reference, including page reference, as in "Economic Geology," and thereby save labor for the Secretary and avoid risk of delay.

King, John R., Bruce, W.R., Slater, M.N., and Field, C.W., 1975, The Geology and Mineral Deposits of the Cuddy Mountains, West Central Idaho: in GSA Abstracts, Rocky Mountain Section, v.7, n.5, p.617.

Candidate's principal activities in the science of economic geology. The study and evaluation of

hydrothermal ore deposits thru geologic mapping, district evaluations and independent research projects.

Note: A Nomination to Membership in the Society of Economic Geologists must be submitted on this form, must be supported by the signatures of three sponsors, and must be accompanied by a supporting Membership Sponsoring Form completed by the three sponsors. Only one copy of the Sponsoring Form is required, but, as with the Nomination to Membership Form, must present fully and clearly all pertinent data on the Candidate's professional record, with particular emphasis on his (her) positions of responsibility during the prescribed 3 year period. The initial sponsor should assume full responsibility for seeing that the nomination blank is complete, fully signed, and sent, together with the Sponsoring Form, to the Membership Secretary of the Society.

SIGNATURES
OF
SPONSORS

SIGNED ON ORIGINAL JAC

Date Received _____

(OVER)

SOCIETY OF ECONOMIC GEOLOGISTS

Instructions to Sponsors

Excerpts from the Constitution and By-Laws Regarding Election of Members

MEMBERSHIP

The object of the Society is to advance the science of geology and its application to mining and other industries; to disseminate knowledge concerning such applications; to advance the status of the profession of geology; and to protect and maintain a high professional and ethical standard in the profession of geology.

The Society shall comprise members who, by knowledge, experience, and honorable standing, are qualified to advance the objects of the Society, and who shall be elected to membership as hereinafter provided.

ADMISSIONS

Any person who, by knowledge, experience, and honorable standing in the profession, is qualified to advance the objects of the Society shall be eligible for membership, provided he has had a minimum of eight years of professional experience, including not less than five years at work principally devoted to economic geology, of which three years must have been in positions of responsibility. Graduates in geology or engineering shall be credited with full time for post-graduate study in geology for not more than three years toward the required eight years of experience. Minimum experience requirements alone will not necessarily qualify a candidate for membership. Geologists or engineers who have rendered signal service in applied geology but do not meet the above experience requirements are also eligible for membership.

A candidate for membership must be proposed by three members who submit a completed Membership Sponsoring Form. Nomination and Sponsoring Forms shall be sent to the Membership Secretary of the Society who shall refer them forthwith to the Admissions Committee. The names, addresses and positions of all applicants who, in the judgment of the Admissions Committee, meet the qualifications and requirements for membership set forth in Section 1 hereof shall be submitted to the members, with the request that the members present in writing any objections to applicants. After at least seventy-five (75) days have elapsed from the submission of an applicant's name to the members, his name shall be presented to the Council for its action. Two adverse votes by the Council shall cause an applicant's name to be placed upon the table without prejudice, and such applicant's name may be brought up for reconsideration at the next stated annual meeting of the Council.

PROCEDURE

The procedure is for a nominee to be proposed by three members as sponsors. The nomination and sponsoring forms are sent to the Membership Secretary for recording and transmitting to the Admissions Committee for their examination.

DUES

Each newly elected member shall pay immediately upon notification of his election an initiation fee of \$10.00.

The annual dues of members shall be \$15.00, payable in advance on January 1. Life membership shall be \$225.00.

Members elected prior to October 1 in any calendar year shall pay full dues for that year and shall be entitled to receive, upon request, the back numbers of the official bulletin for that year; those elected subsequent to October 1 shall pay no dues for the balance of that year, nor shall they be entitled to the official bulletin for that year, unless by independent subscription.

April 1966

PROFESSIONAL EXPERIENCE (continued)

1966 June - Sept., AMAX assistant in exploration, Montana

1965 June - Sept., Climax Moly. Co., field assistant in exploration, Colo.
and New Mex.

1964 June - Sept., Boyles Bros. Drilling and AMAX, assistant, Wyo.

1963 & 1962 summers, USGS Topographic Division, field engineer and asst.

SOCIETY OF ECONOMIC GEOLOGISTS

NOMINATION TO MEMBERSHIP

In accordance with the information on this Nomination to Membership Form and our support on the Sponsoring Form, we propose as a nominee for membership in the Society of Economic Geologists:

NAME (in full): Charles E. Reverly DATE March 2, 1977

ADDRESS 133 Jay Street, Lakewood, Colorado 80226

DATE AND PLACE OF BIRTH March 25, 1943, Joliet, Illinois

EDUCATION:	University	Years	Degree
Undergraduate	Joliet Junior College, Joliet, Illinois	1961-1963	
	Colorado State University, Ft. Collins, Co.	1963-1966	B.S.
Graduate	Colorado State University, Ft. Collins, Co.	1966-1969	M.S.

TOTAL PROFESSIONAL EXPERIENCE: Tabulate chronologically as indicated. Form will not be completed from separate material submitted.

Years	Position	Employer
1969—Present	Exploration Geologist	ASARCO Incorporated, 1805 S. Pellaire, Suite 301 Denver, Colorado 80222

(Use other side if needed)

POSITION(S) OF RESPONSIBILITY: (In the field of Economic Geology)

Years	Position	Employer
1969—Present	Project Manager	ASARCO Incorporated

Eight field seasons on four major drill projects in the Rocky Mountain Region, U.S.A.

NOMINEE'S PRINCIPAL ACTIVITIES IN THE SCIENCE OF ECONOMIC GEOLOGY: (to be completed by initial sponsor)

Extensive field study and literature research of porphyry copper-moly systems in the western U.S.A., particularly "advanced argillic alteration" zones in the San Juan Mtns., Colorado.

Note: Submit this completed form and the membership sponsoring form completed by the three sponsors. All pertinent data must be fully and clearly presented. Particular emphasis should be placed on prescribed three years in positions of responsibility. Initial sponsor assumes full responsibility for seeing forms are complete, fully signed, and sent to the Membership Secretary of the Society.

Date received by Membership Secretary

(OVER)

Membership: page 2.

Additional Professional Experience: (Use separate sheet if necessary)

Years

Position

Employer

PUBLICATIONS: (Use reference format as in *Economic Geology*. Use additional sheet if necessary.)

OBJECTIVES

The object of the Society is to advance the science of geology and its application to mining and other industries; to disseminate knowledge concerning such application; to advance the status of the profession of geology; and to protect and maintain a high professional and ethical standard in the profession of geology.

ELIGIBILITY

Any person who, by knowledge, experience, and honorable standing in the profession, is qualified to advance the objects of the Society shall be eligible for membership, provided the nominee has had a minimum of eight years of professional experience, including not less than five years at work principally devoted to economic geology, of which three years must have been in positions of responsibility. Graduates in geology or engineering shall be credited with full time for post-graduate study in geology for not more than three years toward the required eight years of experience. Minimum experience requirements alone will not necessarily qualify a nominee for membership. Geologists or engineers who have rendered signal service in applied geology but do not meet the above experience requirements are also eligible for membership.

PROCEDURE

A nominee for membership must be proposed by three members who submit completed Nomination and Sponsoring Forms. These Forms shall be sent to the Membership Secretary of the Society who shall refer them forthwith to the Admissions Committee. The names, addresses and positions of all nominees who, in the judgment of the Admissions Committee, meet the qualifications and requirements for membership set forth above shall be submitted to the members, with the request that the members present in writing any objections to nominees. After at least seventy-five (75) days have elapsed from the submission of a nominee's name to the members, the nomination shall be presented to the Council for its action. Two adverse votes by the Council shall cause the nomination to be placed upon the table without prejudice, and such nomination may be brought up for reconsideration at the next stated annual meeting of the Council.

SOCIETY OF ECONOMIC GEOLOGISTS

Membership Sponsoring Form

Name of Nominee Charles E. Beverly

QUALIFICATIONS OF THE NOMINEE (See data given on back of nomination form)

TO THE INITIAL SPONSOR: Please establish your nominee's eligibility for membership with respect to the various classes of information listed below. Incomplete and unorganized information may cost your nominee deserved acceptance by the Admissions Committee.

1. *Acquaintance with Nominee.* State the extent and nature of your acquaintance. How long known to you? Has nominee worked under your direction? Are you familiar with nominee's work in recent years?

I have known the candidate since the summer of 1969, the first year of his employment with Asarco. As Chief Geologist for the past seven years, I am quite familiar with his work in the field and otherwise.

2. *Experience and Achievement.* Special attention is called to the requirement of at least eight years of Professional experience, including not less than *five* years at work principally devoted to *economic geology*, of which *three* years must have been in *positions of responsibility*. Indicate pertinent information *not included* in the nominee's application as to *experience, achievement* and *ethical standing* in academic, industrial, or professional fields. Consideration will be given to the work of an individual in research and as a teacher or trainer of economic geologists. When professional standing is the main basis for nomination, additional sponsorship may be requested by the Admissions Committee.

The candidate's professional experience amply fulfills the requirements as set forth above. The results of his work on all of several projects have demonstrated a high level of skill and competence in non-ferrous metal exploration. I regard his ethical standing in the profession as excellent.

(over)

3. *Publications.* In case publications are listed, indicate which are *especially noteworthy*, particularly with respect to their contribution to the objectives of the Society. Publications are not a basic qualification for membership, but in their absence, the other qualifications can be judged only by the sponsor's detailed information as to the nominee's geologic abilities and contributions to economic geology presented under *Experience and Achievement*.

4. *Contributions to economic geology through related sciences or other branches of geology.* Scientists in other fields may be regarded as suitable for membership provided they have contributed in a special way to economic geology. The nature of such contributions should be fully explained. Additional sponsorship may be requested by the Admissions Committee.

For the reasons given above, I believe that this nominee is qualified for membership in the Society of Economic Geologists.

Date March 3, 1977 Signature J. H. Courtright
Member
Type or print clearly J. H. Courtright

SECOND AND THIRD SPONSORS: State the *extent* and *nature* of your acquaintance with the nominee and also add supplementary comments if you wish.

Second Sponsor—

I have known the candidate for the past seven years. I've been directly involved with him in a comprehensive geological mapping - geochemical sampling program in Arizona. For the past several years I have followed his project work and concur with the initial sponsor as to C. Beverly's skill and competence.

I endorse the nominee for membership. Date March 9th, 1977.
Signature James D. Sell Name (printed) James D. Sell

Third Sponsor—

I have known the candidate for six years. I have been directly involved with his work in the Silver Bell Mining District which involved pit and exploration mapping and drill core logging. In addition, I have worked with him indirectly on several projects in Colorado. I regard his interest, ability, and ethical conduct as outstanding.

I endorse the nominee for membership. Date March 11th, 1977.
Signature F. T. Graybeal Name (printed) F. T. Graybeal

Note: If spaces supplied are inadequate, please put additional comments, appropriately numbered, on a separate sheet.

October 1973

SOCIETY OF ECONOMIC GEOLOGISTS
INCORPORATED

File 110

JOHN D. WELLS, MEMBERSHIP SECRETARY



J. H. C.
AUG 29 1977

U.S. Geological Survey National Center
12291 Sunrise Valley Dr. MS 913
Reston, Virginia 22092

RECEIVED
AUG 29 1977
EXPLORATION DEPT.

August 19, 1977

Mr. Dennis J. Krasowski
1805 South Bellaire, Suite 301
Denver, Colorado 80222

Dear Mr. Krasowski:

In behalf of the Council and members of the Society
of Economic Geologists, I am pleased to welcome you
to membership in the Society.

Sincerely,

John D. Wells,
Membership Secretary

Copy to J. H. Courtright

ASARCO

Exploration Department

J. H. Courtright
Chief Geologist

March 2nd, 1977.

Mr. John D. Wells
Membership Secretary
U. S. Geological Survey
Building 25
Denver Federal Center
Denver, Colorado 80225

Dear Mr. Wells:

Enclosed herewith is my nomination of Mr. Dennis J. Krasowski for Associate Membership in the Society of Economic Geologists.

Yours very truly,

J. H. Courtright
J. H. Courtright

JHC:jlh
encls form

SOCIETY OF ECONOMIC GEOLOGISTS

NOMINATION TO ASSOCIATE MEMBER

To: Membership Secretary and Admissions Committee

I nominate for Associate Membership in the Society of Economic Geologists:

<u>Krasowski</u>	<u>Dennis</u>	<u>John</u>	<u>3/1/77</u>
Surname (type or print)	First	Middle	Date

<u>1805 South Bellaire, Suite 301, Denver, Colorado 80222</u>			
Address--Street	City	State or Country	Zip(USA)

<u>1/1/43</u>	<u>Los Angeles, California</u>
Date of Birth	Place of Birth

EDUCATION:	University and Location	Years	Major	Degree
Undergraduate:	<u>Western State College</u>	<u> </u>	<u> </u>	<u> </u>
	<u>Gunnison Colorado</u>	<u>4</u>	<u>Art Geology</u>	<u>BA</u>
Graduate:	<u>Colorado State University</u>	<u> </u>	<u> </u>	<u> </u>
	<u>Ft. Collins, Colorado</u>	<u>3</u>	<u>Geology</u>	<u>MS</u>

PROFESSIONAL EXPERIENCE:

Years	Position	Employer and Address
<u>8*</u>	<u>Exploration Geologist</u>	<u>ASARCO Incorporated</u>
<u> </u>	<u> </u>	<u>1805 So. Bellaire, Suite 301</u>
<u> </u>	<u> </u>	<u>Denver, Colorado 80222</u>
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* 5 years part time; 3 years permanent position

NOTE: This completed form should be submitted by the sponsor (a member of S.E.G. or head of a geology department) to the Membership Secretary of the Society of Economic Geologists. The nominee should read the requirements and the purposes of the Society, statements on the objectives of the Society, the eligibility requirements and the responsibilities of Associate Membership on the other side of this sheet.

J. H. Courtright
Signature of Sponsor

ASARCO Inc P.O. Box 5747
Address of Sponsor

Tucson,
ARIZ.
85703

Date Received