

FOUNDED 1871

AIME

ANNUAL REPORT 1974

THE YEAR IN REVIEW

During 1974, decentralization of AIME business operations was completed. Starting in 1973, membership records, accounting and other functions were removed from the AIME central Business Office in New York and placed in the Constituent Society offices. This breakup of a consolidated system and the establishment of three new systems was a major undertaking. The year 1974 brought refinements in various ways; the new systems are now working efficiently, and all AIME members should receive excellent service through them.

AIME CORPORATE HEADQUARTERS

The AIME Headquarters is now responsible for external functions involving AIME as a single organization, and internal coordination of AIME programs and corporate affairs. In 1974, the AIME officers and Headquarters staff participated in a significant number of activities to represent AIME externally. AIME President Wayne E. Glenn met several times with the Presidents of other engineering societies and devoted major attention to AIME relationships with these societies. Other officers and Headquarters staff represented AIME in meetings and activities of the United Engineering Trustees, the Engineering Foundation, the Engineers Joint Council, the Engineers' Council for Professional Development, the Joint Societies Forum, and other conferences on the engineering profession.

Internally, the officers and Headquarters staff devoted considerable attention to the necessary action for the establishment of the new Iron and Steel Society of AIME, the establishment of new accounting and financial procedures and reports, budget consolidation, and the management of the AIME Annual Meeting. Also, officers and staff from the Headquarters attended a significant number of AIME meetings throughout the year.

SOCIETY OF MINING ENGINEERS OF AIME

The most significant occurrence for 1974 was the relocation of the Society headquarters from the United Engineering Center in New York to Salt Lake City, Utah. Extensive studies on relocation were conducted in 1973 by Society committees and officers, and upon approval by the Society Board and the AIME Board, the first stage of the move was made in January 1974 with the transfer of the general administrative and magazine producing activities to Salt Lake City. In April 1974, the remaining services were transferred into new offices in rented space in an attractive building in Utah Research Park adjacent to the campus of the University of Utah. By the end of the year the employment of a new staff was complete, and the Society was functioning smoothly and effectively.

THE METALLURGICAL SOCIETY OF AIME

Reorganization of the Society in 1974, to accommodate the establishment of the new Iron and Steel Society of

AIME, was a major area for study and attention by officers and staff. The restructuring of the administrative functions of the Society, the drafting of new Bylaws, and the changes in publications, meetings and programs, required significant time and attention. During the year, the Society business office converted from a computer data system to an addressograph system for maintaining membership records, providing mailing labels and other business procedures. The publications program of the Society continued at a strong pace. A highlight of 1974 was that the Society had a surplus in its operations of \$17,725 for the first time in a number of years.

IRON AND STEEL SOCIETY OF AIME

A significant action was taken by the Institute during the year in the establishment of the Iron and Steel Society of AIME on December 1, 1974. Since its original formation in 1928, the Iron and Steel Division has consistently been a strong unit of AIME, with outstanding meetings and publications. After extensive studies in 1972-73, the Division requested that it be given Constituent Society status, and after further study in 1974, this was approved by the AIME Board. The Society will maintain a joint staff with TMS-AIME in the United Engineering Center in New York. The Society started the publication of a new monthly periodical, *The Iron and Steelmaker*, which will go to all ISS-AIME members, and *Journal of Metals* will be continued for TMS-AIME members. The outlook for the new Society is excellent.

SOCIETY OF PETROLEUM ENGINEERS OF AIME

Programs and services for SPE-AIME were expanded and refined in every operating area. The Society grew by more than 1,700 new members during the year, and the total membership at yearend was 22,087. A record volume of technical material was received and published, and the Annual Fall Meeting of the Society in Houston had a record attendance of 6,723 registrants. A key event of the year was the establishment by the Society Board of Directors of a scholarship program which will allocate some \$27,000 in scholarship funds for distributions to local Sections as matching funds during the 1975-76 school year.

SUMMARY

Again in 1974, the increasing importance of energy and mineral resources brought a sharper focus to AIME on its role in development and dissemination of the technology concerned with these resources. Major attention was given during the year in all constituent units of the Institute to energy technology. AIME is responding and will continue to respond to its responsibilities to the profession and to the nation in its activities and programs in the fields encompassed by the Institute.

AIME MEMBERSHIP has increased by 1,964 to 51,690 corporate and student members of the Institute, (46,702 corporate, 4,988 student). This is the largest jump in membership since 1968 when AIME membership increased by 2,027 over the 1967 total. Society membership for 1974 is distributed as follows: SME-AIME: 18,997 or 36.8%; TMS/ISS-AIME: 10,606 or 20.5%; SPE-AIME 22,087 or 42.7%. AIME has again diversified itself by forming the Iron and Steel Society of AIME. The new Society was formed from

AIME PUBLICATIONS continue to be one of the prime membership services of the Institute enabling AIME members to exchange current information, techniques and ideas. In 1974, the Society of Mining Engineers of AIME published two new books: *1974 Solution Mining Symposium* and *1974 RETC Proceedings*. The first printing of the *SME Mining Engineering Handbook* (10,000 copies) was completely sold out by the end of November 1974. A reprint edition of 7,000 copies is to be available by mid January 1975. Book publishing continues to be an important Society function. Over 11,000 book orders were processed by SME-AIME in 1974. During the year, *Mining Engineering* issues included a February Annual Review, July Membership Directory, and the October issue was devoted to Open Pit Mining. *Transactions of the Society of Mining Engineers of AIME* totaled 360 pages for 1974.

The Metallurgical Society of AIME published nine new books in 1974: *Electric Furnace Proceedings 1973, Volume 31*; *Ironmaking Proceedings 1974, Volume 33*; *Open Hearth Proceedings 1974, Volume 57*; *Mechanical Working and Steel Processing Proceedings, Volume 12*; *Light Metals 1974*; *Composites: State of the Art*; *Failure Modes in Composites II*; *Charge Transfer/Electronic Structure of Alloys*; and *BOF*

AIME MEETINGS continue to provide an effective forum for members and non-members to present and discuss current technological information and techniques. The 103rd AIME Annual Meeting was held in February 1974 in Dallas, Texas. Registration exceeded all pre-meeting estimates with a total of 2980 people attending. With over 100 sessions and 500 papers, the Annual Meeting continues to be one of the major forums in the minerals and materials fields.

The sixth Annual Offshore Technology Conference was held in May 1974 in Houston, Texas. This conference is managed by the Society of Petroleum Engineers of AIME. The 1974 Offshore Technology Conference was clearly the most successful of the six conferences held annually since 1969. Previous OTC registration marks were shattered in 1974 with 32,636 people in attendance, a 37 percent increase over 1973. Another significant figure was the growth in the international registration, an 80 percent increase over the 1973 Meeting. OTC was able to accommodate a record 1,250 companies in the technical exhibition. The technical program was broadened in 1974 by the acceptance of 196 papers for presentation.

The second Rapid Excavation and Tunneling Conference was held in San Francisco in June 1974. This conference is managed by the Society of Mining En-

the Iron and Steel Division of The Metallurgical Society of AIME. The AIME Board of Directors viewed this move as an improvement in the Institute's framework and continuing development of membership services. The number of AIME Local Sections increased by four with the formation of the Aberdeen Section, the Stavanger Petroleum Section, the United Arab Emirates Section and the South Texas Minerals Section. At the close of the year, there were 131 AIME Local Sections.

Steelmaking Volume 1-Introduction. Journal of Metals published 918 pages in 1974 which included special issues on Steelmaking, Ironmaking, Ferro Alloys, Refractories in Metals, Membership Directory, Continuous Casting, Electric Furnace Foundries and Rolling Mills. *Metallurgical Transactions* published 2,618 pages in 1974.

Although no new monographs were published by the Society of Petroleum Engineers of AIME during 1974, detailed operating guidelines were approved by the Society's Board of Directors to facilitate more timely publication of books under this program. Volumes in various stages of preparation at the end of the year included: *Cementing*; *Advances in Well-Test Analysis*; *Numerical Stimulation*; *Acidizing*; *Fluid Behavior*; *Operational Aspects of Waterflooding*; *Well Logging*; and *Gas Well Performance*. Two reprint booklets were published in the Society's reprint series in 1974—one on *Drilling* and one on *Numerical Stimulation*. The *SPE Transactions Volume 257* will be published in May 1975 and will contain approximately 606 pages. The *Society of Petroleum Engineers Journal* published a total of 559 pages while the *Journal of Petroleum Technology* published 773 pages during 1974.

gineers of AIME. Over 100 papers were presented on rapid excavation technology and 25 companies whose products are used in rapid excavation and tunneling exhibited. Total registration was 951 people. Plans are being developed for a third RETC to be held on June 14-17, 1976 in Las Vegas, Nevada.

The Constituent Societies of AIME were again active in holding meetings throughout the year. The Society of Mining Engineers of AIME held its Annual Fall Meeting in Acapulco, Mexico, in September 1974. With 642 registrants, the meeting was well attended, and the technical program was highly successful. SME-AIME programmed 44 sessions during the 103rd AIME Annual Meeting and had 1,235 of the 2,980 registrants. The Metallurgical Society of AIME, through its Divisions, sponsored or co-sponsored nine technical conferences during 1974. Over 5,600 people registered to hear 1,222 papers presented at these meetings. The Society of Petroleum Engineers of AIME conducted their Annual Fall Meeting in Houston, Texas; 186 papers were presented during the technical program, and the exhibit show had 194 booths. A record 6,723 registered for the meeting. The Society also conducted 12 regional meetings during the year with a combined attendance of 5,641.

AIME REVENUE AND EXPENSE STATEMENT

FOR FISCAL YEAR ENDED NOVEMBER 30, 1974

Under the current decentralized organization of AIME, the four operating units of the Institute are the Headquarters and the three Constituent Societies. Operating budgets are established by the AIME Executive Committee and the three Society Boards, then approved by the AIME Board.

Revenues for the conduct of the 1974 activities in each unit were derived from the sources shown in the statement below. Membership dues provided 31 percent of total revenue. The Headquarters and All-Institute revenue came from an allocation of membership dues and the major part of current income from AIME endowment funds. Constituent Society revenues were also from membership dues, along with all income from their current publications, meetings and investments.

Expenses were made in the four major categories shown. Publications received 43 percent of total expenses in 1974. Constituent Society direct expenses are divided into administration, membership services and development, and meetings. AIME Headquarters expenses include administration and All-Institute expenses such as audit, legal, and AIME support of the federations such as Engineers Joint Council.

An important aspect to note is that AIME total expense per member in 1974 was \$62.22, considerably more than individual member dues. All units operated in a surplus position in 1974.

	AIME Head- quarters and All- Institute	Society of Mining Engineers of AIME	The Metal- lurgical Society of AIME	Society of Petroleum Engineers of AIME	AIME Total
REVENUE					
Member Dues & Fees	\$211,900	\$ 381,000	\$217,700	\$ 294,200	\$1,104,800
Advertising and Publication Sales, net ...		329,700	281,500	528,400	1,139,600
Appropriations from Endowment Funds .	119,000	85,400	4,300		208,700
Meetings, Investments, Other	34,800	223,600	99,500	697,900	1,055,800
TOTAL REVENUE	365,700	1,019,700	603,000	1,520,500	3,508,900
EXPENSE					
Publications		475,800	266,300	646,500	1,388,600
Section & Student Chapter Support		17,300	7,500	29,800	54,600
Constituent Society Expenses (Administrative, Meeting, Other)		510,000	311,500	634,000	1,455,500
AIME Headquarters & All-Institute Expense	317,600				317,600
TOTAL EXPENSES	317,600	1,003,100	585,300	1,310,300	3,216,300
Subtotal	48,100	16,600	17,700	210,200	292,600
EXTRAORDINARY ITEMS:					
Inventory Adjustment-Prior Years				64,000	64,000
Provision for Decrease in Market Value of Securities				(217,000)	(217,000)
EXCESS OF REVENUE OVER EXPENSE	\$ 48,100	\$ 16,600	\$ 17,700	\$ 57,200	\$ 139,600
TOTAL EXPENSE PER MEMBER	\$ 6.14*	\$ 52.80**	\$ 55.19**	\$ 59.32**	\$ 62.22*

As of January 1, 1975 corporate and student membership totals were as follows:

	Student	Corporate	Total
Society of Mining Engineers of AIME	1,872	17,125	18,997
The Metallurgical Society of AIME	1,846	8,760	10,606
Society of Petroleum Engineers of AIME ..	1,270	20,817	22,087
AIME Total	4,988	46,702	51,690

*Based on total AIME membership

**Based on Society membership only

AIME AWARD RECIPIENTS FOR 1974

HONORARY MEMBER

Herbert F. Beardmore
Claude Richard Hocott
Nathan E. Promisel
Norman L. Weiss

JAMES DOUGLAS GOLD MEDAL

Sir Alan Howard Cottrell

WILLIAM LAWRENCE SAUNDERS GOLD MEDAL

H. Myles Jacob

ANTHONY F. LUCAS MEDAL

William Ludwig Horner

ERSKINE RAMSAY MEDAL

John Thomas Ryan, Jr.

ROBERT H. RICHARDS AWARD

Robert S. Shoemaker

BENJAMIN F. FAIRLESS AWARD

Theodore F. Olt

HAL WILLIAMS HARDINGE AWARD

Elburt Franklin Osborn

ROBERT EARLL McCONNELL AWARD

C. Paul Besse

ENVIRONMENTAL CONSERVATION

DISTINGUISHED SERVICE AWARD

Dayton H. Clewell

ROSSITER W. RAYMOND MEMORIAL AWARD

Ben G. Burke

MINERAL INDUSTRY EDUCATION AWARD

Truman H. Kuhn

MINERAL ECONOMICS AWARD

Walter H. Voskuil

ROCK MECHANICS AWARD

Manuel Rocha

DANIEL C. JACKLING AWARD AND LECTURER

Stewart R. Wallace

HOWARD N. EAVENSON AWARD

Samuel M. Cassidy

ROBERT PEELE AWARD

Gordon R. Haworth

J. Barrie Seller

Peter Zambas

FELLOWS OF THE METALLURGICAL SOCIETY OF AIME

Tasaku Fuwa

John Price Hirth

J. R. Low, Jr.

A. W. Schlechten

C. E. Sims

CHAMPION MATHEWSON GOLD MEDAL

Gilbert Y. Chin

ROBERT W. HUNT SILVER MEDAL

Ronald L. W. Holmes

John W. Onuscheck

J. E. JOHNSON, JR. AWARD

Robert W. Bouman

ROBERT LANSING HARDY GOLD MEDAL

Dale Elwood Newbury

EXTRACTIVE METALLURGY DIVISION TECHNOLOGY AWARD

P. G. Thornhill

Gus Van Weert

Eivind Wigstol

EXTRACTIVE METALLURGY DIVISION SCIENCE AWARD

Ernest W. Dewing

EXTRACTIVE METALLURGY DIVISION LECTURER

C. B. Alcock

INSTITUTE OF METALS DIVISION

LECTURER AND ROBERT

FRANKLIN MEHL AWARD

Mats Hillert

HOWE MEMORIAL LECTURER

Merton C. Flemings

JOHN CHIPMAN AWARD

John W. Farrell

Donald C. Hilty

SOCIETY OF PETROLEUM ENGINEERS OF AIME

DISTINGUISHED SERVICE AWARD

John M. C. Gaffron

M. Scott Kraemer

CEDRICK K. FERGUSON MEDAL

Bruce H. Walker

JOHN FRANKLIN CARLL AWARD

Ted M. Geffen

DeGOLYER DISTINGUISHED SERVICE MEDAL

John S. Bell

LESTER C. UREN AWARD

Michael Prats

AIME BOARD OF DIRECTORS FOR 1974

PRESIDENT

Wayne E. Glenn

PRESIDENT-ELECT

James D. Reilly

PAST PRESIDENT

James B. Austin

VICE PRESIDENT-FINANCE

Robert S. Ryan

VICE PRESIDENTS

James E. Bilderback

Julius J. Harwood

Robert E. Lund

Robert H. Merrill

Ed A. Rassinier

Gerald E. Sherrod

DIRECTORS

Donald A. Dahlstrom

Granville Dutton

Herman A. Engel, Jr.

Morris E. Fine

James C. Fulton

Thomas A. Henrie

Peter J. Koros (to 10/30/74)

Melvin E. Nickel (from 10/30/74)

Robert L. Llewellyn

Edward E. Runyan

Donald G. Russell

Robert S. Shoemaker

Alfred Weiss

EXECUTIVE DIRECTOR

Joe B. Alford

SOCIETY OF MINING ENGINEERS OF AIME

PRESIDENT

Donald A. Dahlstrom

PRESIDENT-ELECT

Robert L. Llewellyn

PAST PRESIDENT

Robert H. Merrill

TREASURER

Robert S. Shoemaker

EXECUTIVE SECRETARY

Claude L. Crowley

THE METALLURGICAL SOCIETY OF AIME

PRESIDENT

James C. Fulton

PRESIDENT-ELECT/ VICE PRESIDENT

Thomas A. Henrie

PAST PRESIDENT

Julius J. Harwood

TREASURER

G. Robert Couch

EXECUTIVE SECRETARY

Alexander R. Scott

IRON AND STEEL SOCIETY OF AIME

PRESIDENT

Melvin E. Nickel

PRESIDENT-ELECT

William H. Wise

PAST PRESIDENT

Kurt R. Mattson

TREASURER

Frank J. Broglie

EXECUTIVE SECRETARY

Lawrence G. Kuhn

SOCIETY OF PETROLEUM ENGINEERS OF AIME

PRESIDENT

Donald G. Russell

PRESIDENT-ELECT

Edward E. Runyan

PAST PRESIDENT

Gerald E. Sherrod

TREASURER

Marvin L. Katz

EXECUTIVE DIRECTOR

David L. Riley

The American Institute of Mining, Metallurgical,
and Petroleum Engineers

345 East 47th Street New York, New York 10017



AIME Headquarters Report

TO AIME MEMBERS:

February 1974

With the decentralization of the business and membership service functions of AIME to the Constituent Societies, many officers and members have expressed a desire to continue to have direct contact with the AIME Headquarters. Our study has indicated that this need can best be served with periodic reports directly from the AIME Headquarters to officers and directors of the Institute, the Constituent Societies, Divisions, Councils, Committees and local Sections. We believe that such reports should be in-depth presentations on some of the activities, programs, and problems in which the Institute and its constituent units are involved. Accordingly, a plan has been developed for the publication of such reports on a quarterly basis to be mailed directly to the persons indicated above. Because of questions which have arisen recently about the location of our Corporate Headquarters offices in New York City and the move of the offices of the Society of Mining Engineers of AIME to Salt Lake City, this first report presents an in-depth analysis on the offices of the AIME Headquarters and the Constituent Societies. Later reports will cover similar topics of wide interest to AIME members. We hope these reports will be of value to those of you who receive them, and your comments and suggestions will be welcomed.

James B. Austin
James B. Austin, President

HEADQUARTERS OFFICES FOR AIME AND ITS CONSTITUENT SOCIETIES

UNITED ENGINEERING CENTER, NEW YORK

The United Engineering Center is a 20-story office tower containing some 155,650 square feet, located at First Avenue and 47th Street, across from an extensive park which adjoins the United Nations. The Center was constructed at a cost of approximately \$12 million and was occupied in 1961. The Center houses the headquarters offices of the Engineering Founder Societies - ASCE, AIME, ASME, IEEE and AIChE. In addition, the headquarters offices for 14 associate societies and other engineering organizations are in the Center, along with the Engineers Joint Council, Engineers' Council for Professional Development and the Engineering Societies Library.

The Center is owned by a New York State Corporation known as United Engineering Trustees. The corporation is a joint subsidiary of the five Founder Societies, each of which has three representatives on the Board of Directors of the corporation. AIME representatives are William R. Waag, Drexel Burnham & Co., Leroy K. Wheelock, St. Joe Minerals, and Joe B. Alford, Executive Director of AIME, all of New York.

Joint ownership of an Engineering Societies Building dates from 1904, when Andrew Carnegie pre-

sented a gift of \$1,050,000 to the engineering societies for construction of a headquarters building. The societies provided the land on which the building was built at 29 West 39th Street in New York. By 1945 the building needed extensive repair and was too small for the future needs of the societies. Studies were conducted on the construction of a new building which resulted in the present United Engineering Center. Financing for the construction of the Center was as follows:

UET Assets, special grants, short term loans	\$2,556,000
Contributions from individual members and societies	3,901,500
Contributions from industry	5,242,500
Grant from Ford Foundation	300,000
	<u>\$12,000,000</u>

UET has no stockholders, but the Founder Societies have made financial grants to the corporation as follows: ASCE, AIME, ASME, IEEE, \$265,000 each; AIChE, \$50,000. The five societies have a legally vested interest in the present Center for these amounts. The remainder of the value of the property is considered "to be held in trust for the profession" by the UET Corporation. The Founder Societies have established a contract known as the



UNITED ENGINEERING CENTER
345 East 47th Street, New York City

"Founders Agreement," in which they have contracted "...to permanently maintain their respective principal offices..." in the Center, presently at the New York City location. The term "principal offices" is considered synonymous with "headquarters" and means the center of both management and principal operations of a society.

Since 1961 the AIME Corporate Headquarters and Business Offices have occupied the 14th floor of the Center, and the headquarters offices for The Metallurgical Society of AIME and the Society of Mining Engineers of AIME have occupied the 13th floor. With the decentralization of the Business Office, the 14th floor space has been reduced to 4,390 square feet for the AIME Corporate Headquarters. SME-AIME is presently moving its offices to Salt Lake City (see page 4) and are vacating approximately one-half of the 13th floor. TMS-AIME continues to occupy the remaining one-half of the 13th floor for the present time. All of the occupying societies in the Center are assessed \$6.25 per square foot currently, of which \$4.09 goes for maintenance and operation, \$1.84 for electricity and steam, and the remainder miscellaneous. Public space in the Center such as the Library, meeting rooms, etc., is not assessed but is paid for in the assessment to the occupying societies.

From its inception the Engineering Center was exempt from New York real estate taxes, as a public service, scientific and literary non-profit organ-

ization. However, in 1971 the state law concerning exemption was changed, and beginning in January 1972 the City of New York levied real estate taxes on some 190 pieces of real estate in the city. The tax on the United Engineering Center was \$558,000, which increased the occupancy rate for the societies to about \$9.00 per square foot. This rate was unacceptable to the societies, compared to the availability of comparable office space almost everywhere else in the country. The UET Board appealed the tax ruling and throughout 1972 worked with the New York City Tax Commission in requesting that the Center be restored to a tax-exempt status. This request was granted in November 1972, and taxes paid to the city for the first half of the year were refunded.

The impact of this action, and the fact that the tax can be reinstated by a different city administration, raised great concern among leaders of the societies and the Trustees. In order to determine other possible options or relocation of the United Engineering Center, the UET Board retained the Fantus Company, a New York subsidiary of Dun & Bradstreet specializing in relocation studies, to make an analysis of the economics of operation of the Center in Manhattan. Fantus considered possible relocation of the Center to Washington, D.C., or Chicago, Illinois, and also three locations in the New York area - one in New Jersey, one in New York State and one in Connecticut. The study indicated that the economics of continuing to operate the Center in Manhattan were more favorable than relocating elsewhere at this time. Accordingly, the UET Board voted on December 6, 1973, to continue the operation of the Center at its present location in Manhattan under existing conditions. If a real estate tax is reinstated by the City of New York, or a "use charge" for city services be imposed, the existing conditions could change radically, and relocation of the Center elsewhere would have to be considered. The Attorney General of the State of New York has challenged the removal of assets from the state by other non-profit organizations, and it is probable that such a challenge would be placed against moving UEC. This would unquestionably bring litigation, and the outcome of this cannot now be determined.

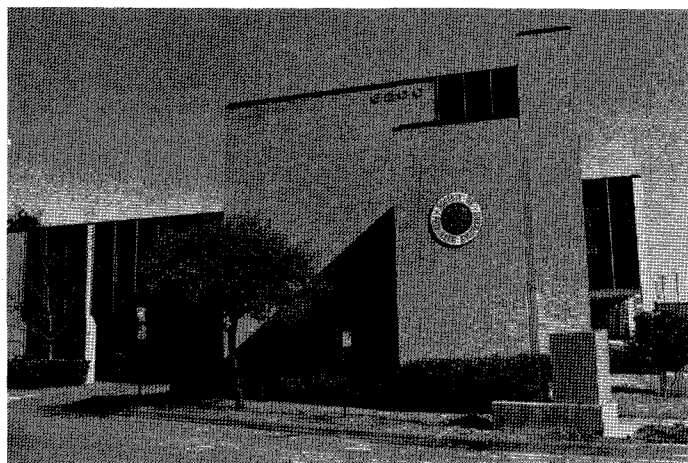
At this time the AIME Corporate Headquarters offices and staff will continue indefinitely in the Center. This is necessary for AIME to maintain its contractual agreement with the other Founder Societies and its interest in the Center. The Metallurgical Society of AIME will retain its offices in the Center for the present time, but in due course may be moved elsewhere. The other two Constituent Societies are located in Dallas and Salt Lake City, as presented in the remainder of this report.

SOCIETY OF PETROLEUM ENGINEERS OF AIME
6200 North Central Expressway, Dallas, Texas 75206

An office was established in Dallas in 1946 under William H. Strang, Secretary of the then Petroleum Division of AIME. The purpose was to provide better services to Petroleum members, located principally in the South and Southwest. Publication of Journal of Petroleum Technology was started in that office in 1949. Continued growth of various publications and activities required more space, and the office was relocated in 1951, then again in 1953, in downtown locations. The question of the need to be in a downtown location was analyzed, and with the need for expansion the office was moved four and one-half miles north of the downtown area on North Central Expressway in late 1959. Continued growth and additions to staff required more space than was available in that location. A responsible committee of Society members conducted an extensive study in 1962 on the question of purchasing land and constructing a building to be owned by the Society. The study resulted in the conclusion that the Society could lease space, at long term rates then prevailing, more economically than it could own a building. Consequently, a ten-year lease at a favorable rate on some 5,000 square feet was contracted for on a rental basis in a building located at 6200 North Central Expressway. The lease began in 1965 and carried a five-year renewal option.



TELEVISION STUDIO IN SPE-AIME OFFICE



SPE-AIME HEADQUARTERS, DALLAS

As growth has continued and the staff has expanded, the Society has required more space and now occupies a total of 7,615 square feet of office space, of which 490 square feet is storage space. The Society staff now consists of 25 persons and handles all of the Society operations of member data processing, accounting, publishing and management of meetings. The Society staff also manages the annual Offshore Technology Conference on a management fee basis.

The Society office is efficiently arranged in the form of a "U" around a mail/storage/reproduction room in the center of the "U". The location is near other major office buildings and a large motel in one of the major chains.

A unique feature in the Society offices is a television studio for producing closed circuit programs. In 1966 the Society initiated a Continuing Education Program in which instruction lectures are recorded on video tape and sent to local Sections or other audiences, with black and white television sets. Members in the Sections usually attend the video tape courses on a weekly basis. The television studio in the office was established to enable instructors and SPE-AIME Distinguished Lecturers to come to the office and record their presentations there. The studio has added a great deal to the success of the Society continuing education activities.

The suburban location of the office has been a decided asset in many ways. Access to residential areas is easier for staff members, yet the office is close enough to downtown and transportation facilities for members to visit the office easily. Economics of operation are favorable, and the office location and arrangement contributes materially to staff morale and an efficient operation for the Society.

SOCIETY HEADQUARTERS MOVED FROM NEW YORK TO SALT LAKE CITY

Because of the uncertainties in recent years of continuing the United Engineering Center in New York, all societies officing in the building have made assessments of the possibilities they might have of moving elsewhere. Coupled with this has been a rise in operating costs in Manhattan at a greater rate than in other parts of the country. The basic costs of operating the SPE-AIME office in Dallas are 15 to 20 percent less than comparable operations in Manhattan. Because of these factors, members, officers and staff of the Society of Mining Engineers of AIME felt it was necessary to study relocation, and the Society Board authorized the conduct of a study. A Relocation Study Committee consisting of Messrs. Eugene P. Pfeider, Chairman, and members Brower Dellinger, Philip W. Guild, Robert M. Grogan, R. H. Quenon, J. J. Scott, Robert S. Shoemaker and Alfred Weiss was appointed. The committee was charged with developing recommendations on whether or not the Society Headquarters should remain in Manhattan or be moved elsewhere; and if moved, a recommendation on the city to which the offices should be moved. During several months of study in 1973 the committee developed data on a number of cities in various locations, then decided to limit the final study to Denver, Colorado, Duluth, Minnesota, St. Louis, Missouri, Salt Lake City, Utah, and Tucson, Arizona. On September 10, 1973, the committee received presentations from these five cities, and largely on the basis of economic data and geographical considerations, the committee decided to recommend relocation of the Society headquarters offices to Salt Lake City, Utah. This recommendation was approved by the SME-AIME Board of Directors on September 18, and the AIME Board of Directors on October 17, 1973.

Location of the Society offices will be in a new facility known as Utah Research Park in the northeast part of Salt Lake City. The Park consists of several hundred acres formerly in the area of Fort Douglas, Utah. The Department of Defense presented the land to the State of Utah in 1969, and the state is now developing the property as a research park to provide offices and facilities for technically oriented businesses and organizations. The property is near the University of Utah campus in a physically attractive setting at the foot of the mountains to the east of Salt Lake City. Development plans call for low-rise buildings for tenants with good landscaping and ample space for buildings, parking and grounds. The Society has made an initial lease for 5,500 square feet at a favorable rate in a new commercial building in the Park, with offices to be complete in early March 1974. Estimates are that the cost of operation in Salt Lake City will be 15 to 20 percent less than in Manhattan. Approximately one-half of the Society membership is in the western part of the U. S., and Salt Lake City provides a favorable geographical location for that part of the Society membership.

Society staff members moving to Salt Lake City are Claude L. Crowley, Executive Secretary, Lillian Donaldson, Assistant to the Executive Secretary, Ruth Orologio, Meetings Manager, Duane Haley, Editor, and Robert LaRusso, Production Manager, Mining Engineering. These persons moved to temporary offices in Salt Lake City in December 1973, along with part of the Society operations. The remainder of the move will be completed after the new quarters are ready in the spring of 1974. The Society will continue as one of the Constituent Societies of AIME, handling Society activities and operations from the new headquarters offices.

Report prepared by Joe B. Alford
Executive Director, AIME

AMERICAN INSTITUTE OF MINING, METALLURGICAL,
AND PETROLEUM ENGINEERS
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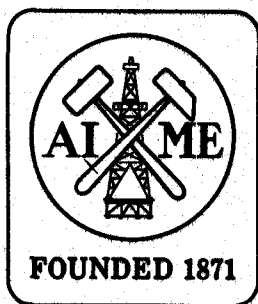


1974

OFFICIAL ANNUAL REVIEW

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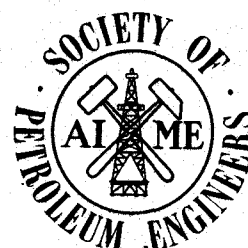
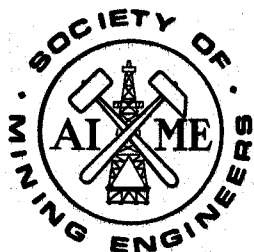
AMENDED TO INCLUDE FINANCIAL
DETAILS FOR AIME OPERATING UNITS



AIME

and its

THREE CONSTITUENT SOCIETIES



American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc.

345 East 47th Street, New York, New York 10017

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OFFICIAL AIME ANNUAL REVIEW

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AMERICAN INSTITUTE OF MINING, METALLURGICAL,
AND PETROLEUM ENGINEERS, INC.

REPORT OF THE EXECUTIVE DIRECTOR, AIME
FOR 1974

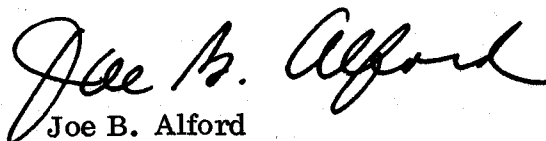
The most significant change to be made in the structure of AIME since 1957 occurred during the past year with the formation of the Iron and Steel Society of AIME. The Iron and Steel Division of The Metallurgical Society of AIME conducted excellent studies last year in preparation for the recommendation for formation of the new Society which was brought to the AIME Board of Directors in February 1974. The conduct of additional studies and the development of plans for the formation of the Society was expedited by the affected groups, but especially so by an ad hoc committee under the chairmanship of Dr. James B. Austin. Proposals for the reorganization were sufficiently complete for the AIME Board to vote its approval of the formation of the new Society in June 1974; the necessary changes in the AIME Bylaws were published for approval by the membership; final approval of the Bylaws changes were voted by the AIME Board in October; and the new Society came into being on December 1, 1974.

The first issue of the new publication of the Iron and Steel Society of AIME, The Iron and Steelmaker, was published in December, thus adding a new title to the long and continuing list of outstanding AIME publications. Plans are for TMS-AIME to continue the publication of Journal of Metals and ISS-AIME to publish the new periodical together with a joint staff and publishing operations for the next three years.

During 1974 also, the Society of Mining Engineers of AIME completed its move to Salt Lake City with the establishment of a new headquarters office and the development of an almost entirely new staff there for the Society. The decentralized business operations of the Institute improved markedly within the Constituent Societies and the AIME Headquarters during the year, and business functions, accounting and data processing are now proceeding very efficiently.

The Institute is indebted to President Wayne E. Glenn for his services during 1974. His dedication and efforts are appreciated by all AIME members. I wish also to express a special word of appreciation to all of the staff personnel in the Headquarters, the Constituent Societies, and to the many AIME members who served on our Boards of Directors and on our committees. The Institute will continue to have a bright future with so many people contributing in so many ways to its activities.

Respectfully submitted,



Joe B. Alford
Executive Director

AMERICAN INSTITUTE OF MINING, METALLURGICAL, AND PETROLEUM ENGINEERS

RECORD OF HONORS AND AWARDS PRESENTED BY AIME IN 1974

The following Honors and Awards were presented by AIME in 1974, in addition to those presented by our Constituent Societies and described elsewhere in this Annual Review:

HONORARY MEMBERSHIP was conferred upon

James Boyd, "For his significant contributions to our Nation and the minerals industry as an educator, astute mining executive and dedicated public servant; and in recognition of his inspirational and energetic leadership in Institute affairs."

Cyril Stanley Smith, "For leadership in research on the structure of metals and alloys, for notable contributions to the metallurgy of plutonium, for outstanding scholarship in the history of science and technology and for devoted service to the Nation and to the Institute."

Paul Dwight Torrey, "For his outstanding contribution to reservoir engineering by initial proof of the existence of connate water in petroleum reservoirs and untiring promulgation of the universal applicability of secondary recovery and its great importance to our country's oil reserves."

The JAMES DOUGLAS GOLD MEDAL to Sir Alan Howard Cottrell, "For creative contributions to metallurgy and society - from original research on imperfect crystals and applications in materials development to the broadest questions of public science policy."

The BENJAMIN F. FAIRLESS AWARD to Theodore F. Olt, "For his leadership of an outstanding professional group in the application of scientific principles to the manufacture of iron and steel and for his personal contributions to that technology."

The HAL WILLIAMS HARDINGE AWARD to Elburt Franklin Osborn, "For outstanding service to the mineral industry as geochemist, educator and government official; especially for research in the field of minerals for ceramics and refractories."

The ANTHONY F. LUCAS GOLD MEDAL AWARD to William Ludwig Horner, "For pioneering the technology of pressure maintenance and the art of core analysis which gave reservoir engineering a new dimension making possible the recovery of vast new reserves."

The ROBERT EARLL McCONNELL AWARD to C. Paul Besse, "In recognition of his outstanding contributions in the development of successful off-shore drilling techniques which have significantly enlarged available oil reserves."

The ERSKINE RAMSAY MEDAL to John Thomas Ryan, Jr., "To an outstanding civic and industrial leader for his significant contributions to the health and safety of all persons engaged in the Mining Industry."

The ROBERT H. RICHARDS AWARD to Robert S. Shoemaker, "For proficiency as a leader of technical innovation and its application to the engineering design of many major mineral processing facilities."

The WILLIAM LAWRENCE SAUNDERS GOLD MEDAL to H. Myles Jacob, "For a career of real dedication to the United States and his exceptional leadership and inspiration toward solving the production and environmental problems to mutual benefit of the community, the country and his industry."

The ENVIRONMENTAL CONSERVATION DISTINGUISHED SERVICE AWARD to Dayton H. Clewell, "In appreciation of his leadership in developing new technology for energy conservation and environmental improvement of petroleum operations and in the use of petroleum products."

The MINERAL ECONOMICS AWARD to Walter H. Voskuil, "In recognition of his contributions, over a period of almost half a century, to the field of mineral economics through his teaching, writing and pioneering demonstration of the place and value of mineral economic research in government at the state level."

The MINERAL INDUSTRY EDUCATION AWARD to Truman H. Kuhn, "For his exemplary devotion and loyalty as a teacher and educational administrator to the promotion of instruction in geological engineering and mining engineering."

The ROCK MECHANICS AWARD to Manuel Rocha, "For notable contributions to rock mechanics and for the application of this science in large engineering projects."

The ROSSITER W. RAYMOND AWARD to Ben G. Burke for his paper, "The Analysis of Drilling Barge Motions in a Random Sea."

LEGION OF HONOR FIFTY-YEAR MEMBER INSIGNIA were conferred upon the following thirty-two members: Ben C. Bellamy, Raoul G. Bergman, Jack P. Bonardi, Rudolf W. Brauchli, F. William Bremmer, Raymond E. Byler, James B. Chamberlain, R. W. Crosby, W. G. Donaldson, J. I. Edwards, Rolf Engleman, R. M. Fleming, Vincent P. Gianella, James A. Hagy, Paul Harmon Hale, A. Horton Hammond, George R. Hanks, R. Livingston Ireland, Thomas L. Joseph, Sr., Raymond V. Kettner, Robert P. Koenig, Clarence H. Lorig, Vernon L. Mattson, Roy F. Miller, Vincent D. Perry, Nathan C. Rockwood, Leo Schapiro, Earle C. Waite, Pierce C. Walker, E. M. Wanamaker, Norman L. Weiss, Arthur P. Wichmann.

COOPERS & LYBRAND

CERTIFIED PUBLIC ACCOUNTANTS

IN PRINCIPAL AREAS
OF THE WORLD

Board of Directors,

American Institute of Mining, Metallurgical,
and Petroleum Engineers, Inc.:

We have examined the balance sheet of AMERICAN INSTITUTE of MINING, METALLURGICAL, and PETROLEUM ENGINEERS, INC. as of November 30, 1974 and the related statements of revenue and expenses, surplus (deficit) and changes in endowment and custodian funds for the year then ended. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances. We previously examined and reported upon the financial statements for the year ended November 30, 1973.

In our opinion, the aforementioned financial statements present fairly the financial position of American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc. at November 30, 1974 and 1973, and the results of its operations and the changes in its financial position for the years then ended, in conformity with the accounting principles referred to in Note 1 applied on a consistent basis except for the change, in which we concur, in accounting for the cost of certain publications as described in Note 2.

Coopers & Lybrand

New York, January 10, 1975.

AMERICAN INST
BALANC

ASSETS:	<u>1974</u>	<u>1973</u>
Operating fund:		
Cash and temporary cash investments	\$ 171,070	\$ 299,504
Accounts receivable		
Inventories of publications at cost or lower (Note 2)	51,593	41,432
Investments, at cost plus accrued interest (at market quotations plus accrued interest, approximately \$626,000 in 1974 and \$651,000 in 1973) (Notes 1b and 7)	383,357	459,054
Allowance for decrease in market value of investments	8,693	9,623
	<u>60,479</u>	<u>24,950</u>
Prepaid expenses, deferred charges and other assets	<u>452,529</u>	<u>493,627</u>
	<u>1,176,991</u>	<u>995,153</u>
Total operating fund	<u>1,852,183</u>	<u>1,829,716</u>
Endowment and custodian funds:		
Investments, at cost plus accrued interest (at market quotations plus accrued interest, approximately \$3,452,000 in 1974 and \$3,984,000 in 1973) (Notes 1b and 7)	3,538,630	4,042,953
Allowance for decrease in market value of investments	<u>521,699</u>	<u>433,005</u>
Cash and temporary cash investments	<u>4,060,329</u>	<u>4,475,958</u>
Founder Society advances to United Engineering Trustees, Inc. (Note 5)	<u>265,000</u>	<u>265,000</u>
	<u>\$6,177,512</u>	<u>\$6,570,674</u>

The accompany

STATEMENTS of REVENUE and EXPENSES
for the years ended November 30, 1974 and 1973 (Notes 1 and 3)

	Headquarters and All-Institute	Society of Mining Engineers of AIME	The Metallurgical Society of AIME	Society of Petroleum Engineers of AIME	Elimination of Dues Allocated to Headquarters from Societies	Total 1974	Total 1973
Revenue:							
Members' dues and entrance fees	\$211,885	\$ 458,673	\$261,346	\$ 384,760	(\$211,885)	\$1,104,779	\$1,055,977
Advertising and publication sales, net		329,714	281,510	528,401		1,139,625	1,037,887
Appropriations from endowment and custodian funds	119,000	85,373	4,263			208,636	175,133
Offshore Technology Conference: Attendance distribution	24,324	40,825	16,906	283,463		365,518	282,687
Management fees				79,600		79,600	69,100
Exhibit space commission	<u>24,324</u>	<u>40,825</u>	<u>16,906</u>	<u>18,810</u>		<u>18,810</u>	<u>14,656</u>
Conference management fees, interest, annual meeting and miscellaneous	<u>10,527</u>	<u>182,851</u>	<u>82,604</u>	<u>315,978</u>		<u>591,960</u>	<u>409,595</u>
	<u>365,736</u>	<u>1,097,436</u>	<u>646,629</u>	<u>1,611,012</u>	(211,885)	<u>3,508,928</u>	<u>3,045,035</u>
Expenses:							
Publications		475,841	266,279	646,490		1,388,610	1,063,860
Society direct expenses		527,329	318,978	663,773		1,510,080	1,479,783
AIME headquarters	317,633	77,713	43,647	90,525	(211,885)	317,633	330,739
Provision for decrease in market value of investments	<u>317,633</u>	<u>1,080,883</u>	<u>628,904</u>	<u>217,000</u>		<u>217,000</u>	
				<u>1,617,788</u>	(211,885)	<u>3,433,323</u>	<u>2,874,382</u>
Excess of revenue over expenses (expenses over revenue) before cumulative effect of accounting change	48,103	16,553	17,725	(6,776)		75,605	170,653
Cumulative effect on prior years (to November 30, 1973) of change in accounting for certain publications inventories (Note 2)						64,000	
Excess of revenue over expenses	<u>\$ 48,103</u>	<u>\$ 16,553</u>	<u>\$ 17,725</u>	<u>\$ 57,224</u>		<u>\$ 139,605</u>	<u>\$ 170,653</u>

The accompanying notes are an integral part of the financial statements.

STATEMENTS of SURPLUS (DEFICIT)
for the years ended November 30, 1974 and
1973 (Notes 1 and 3)

	<u>1974</u>	<u>1973</u>
Balance, beginning of year	\$ 995,153	(\$ 166,685)
Adjustments relating to decentralization (Note 3):		
Transfer of activities fund balances to surplus		1,115,040
Excess of market value over book value of custodian funds trans- ferred to SME and TMS		<u>(90,427)</u>
	<u>995,153</u>	857,928
Transfer from endowment and custodian funds related to:		
Funding of deficit of Journal of Metals	35,334	52,000
Other	6,899	
Excess of revenue over expenses for the year	<u>139,605</u>	<u>170,653</u>
	<u>1,176,991</u>	<u>1,080,581</u>
Transfer to custodian funds		55,000
Purchase of annuity for retiring employee		<u>30,428</u>
		<u>85,428</u>
Balance, end of year	<u><u>\$1,176,991</u></u>	<u><u>\$ 995,153</u></u>

The accompanying notes are an integral
part of the financial statements.

STATEMENTS of CHANGES in ENDOWMENT and CUSTODIAN FUNDS
for the years ended November 30, 1974 and 1973 (Notes 1 and 3)

	1974		1973	
	Endowment Fund Accounts	Custodian Fund Accounts	Endowment Fund Accounts	Custodian Fund Accounts
		Total		Total
Balance of fund accounts, beginning of year	\$4,042,953	\$433,005	\$3,963,496	\$1,375,132
		\$4,475,958		\$5,338,628
Adjustments relating to decentralization (Note 3):				(1,115,040)
Transfer of activities fund balances to surplus				
Transfer from surplus of excess of market value				
over book value of custodian funds transferred				
to SME-AIME and TMS-AIME				
Balance, as adjusted	4,042,953	433,005	3,963,496	90,427
Revenue:				(1,024,613)
Contributions	32,152	26,005	29,939	3,306
Transfer from operating fund surplus				55,000
Net gain (loss) from sale of securities	10,985	(165)	113,245	2,020
Interest and dividends	239,418	41,000	173,756	27,724
Sales of books, volumes, etc.	167,262	56,474	171,621	63,753
Revenue from conferences and committee meetings, net	13,498	28,680	10,370	33,843
Royalties from publishers and oil deeds	4,207	1,809	1,114	14,159
Other	467,522	153,803	500,045	199,805
		621,325		699,850
		5,097,283		5,013,865
Expenses and appropriations:				
Publication expenses	43,411	55,380	187,491	56,102
Transfer to operating fund surplus	39,552	2,681	52,000	
Awards	27,260	6,311	24,038	7,595
Lecture series and student travel	6,671		7,219	
Sundry expenses	18,754	5,298	15,707	12,622
Appropriations to working fund	208,636		134,133	41,000
Provision for decline in market value of				
fund investments	621,000	2,000		
Reclassification	6,561	(6,561)		
	971,845	65,109	420,588	117,319
		1,036,954		537,907
Balance of fund accounts, end of year	\$3,538,630	\$521,699	\$4,042,953	\$433,005
		\$4,060,329		\$4,475,958

The accompanying notes are an integral part of the financial statements.

NOTES to FINANCIAL STATEMENTS

1. Accounting Policies

The financial statements of the American Institute of Mining, Metallurgical and Petroleum Engineers, Inc. (The Institute) are prepared in accordance with generally accepted accounting principles, except for the treatment of expenditures for equipment, furniture and fixtures which is explained below. The Institute's significant accounting policies are as follows:

a. General

The financial statements include the accounts of Headquarters and All-Institute (AIME Headquarters), the Society of Mining Engineers (SME-AIME), the Society of Petroleum Engineers (SPE-AIME) and The Metallurgical Society (TMS-AIME), the three societies being referred to as the constituent societies. The financial statements do not include assets, liabilities, revenues or expenses of Local Sections, Divisions or Special Committees except for the Institute's share of the net income of the Off-shore Technology Conference (OTC). Advances to the OTC, which approximate the Institute's equity in the net assets of the OTC (at November 30, 1974 OTC's net assets are comprised principally of cash and temporary cash investments) are included in Endowment and Custodian fund cash on the balance sheet.

b. Investments

Investments are stated at cost with regard to those purchased or at market value on date of gift with regard to those received as contributions, plus accrued interest where applicable. However, at November 30, 1974, in recognition of the significant declines in the securities markets, the Institute established allowances for the decline in market value of its investments.

c. Gains or Losses on Sales of Investments

Gains or losses on the sale of investments are determined on the basis of average cost. Such gains or losses which relate to investments which are part of the endowment and custodian commingled pool of investments are allocated pro rata to the individual fund balances.

Continued

NOTES to FINANCIAL STATEMENTS, Continued

d. Interest and Dividend Income

Interest from investments is recorded on the accrual basis. Dividends are recorded on the cash basis; however, such basis of accounting does not differ significantly from the generally accepted method of accruing dividends on the record date.

e. Membership Dues

Membership dues are recorded as income in the accounting period to which they relate.

f. Expenditures for Equipment, Furniture and Fixtures

Expenditures for equipment, furniture and fixtures are charged to expense as incurred, a practice followed by many nonprofit organizations. Generally accepted accounting principles for profit-oriented business organizations require the capitalization and subsequent depreciation of such expenditures (see Note 4).

g. Pensions

The Institute has a contributory pension plan for all full-time employees who have satisfied certain age and years of service requirements. Actuarially computed pension costs, including amortization of prior service costs over a fifteen-year period, are funded and charged to expense each year.

2. Change in Accounting Method

In 1974 the Institute adopted the policy of including the cost of certain publications in inventory. Prior to 1974 the cost of such publications was charged to publications expense in the year incurred. This change in accounting was made in order to appropriately match revenues from publications sales with the related costs. The effect of this change in 1974 on the excess of revenues over expenses before the cumulative effect of the change is not significant. The cumulative effect of this change on years prior to 1974 amounts to \$64,000.

Continued

NOTES to FINANCIAL STATEMENTS, Continued

3. Decentralization

At November 30, 1972 custodian fund balances were comprised of: (i) funds which can be expended only for specific purposes and (ii) so-called "activities funds" of the three constituent societies which are not restricted and can be used in connection with the societies' day-to-day operations. These "activities funds" were classified as custodian funds because AIME headquarters performed the related record keeping on behalf of the societies.

Effective December 1, 1972, the activities of the AIME headquarters' business office were decentralized and the record-keeping responsibility and related net assets for the aforementioned "activities funds," were transferred to the constituent societies. In addition, the record-keeping responsibilities and related assets for certain custodian funds which are restricted as to the nature of expenditures were transferred from AIME headquarters to SME-AIME and TMS-AIME. The above transfers are reflected in the accompanying 1973 financial statements as follows:

- a. An amount aggregating \$1,115,040 representing the November 30, 1972 "activities funds" balances (and related net assets) has been transferred from custodian funds to operating fund.
- b. Because the method used in determining the amount of custodian funds to be transferred from AIME headquarters to SME-AIME and TMS-AIME was based on market values of the related investments, the amount so transferred to SME-AIME and TMS-AIME on December 1, 1972 exceeded their proportionate share of the book value of the total custodian funds on that date by \$90,427. Such excess has been charged to operating fund surplus.

4. Capital Expenditures

Amounts expended for equipment, furniture and fixtures for 1974 and 1973 approximated \$32,000 and \$23,000, respectively. Such amounts are included under "Society Direct Expenses" and "AIME Headquarters" in the Statement of Revenues and Expenses.

Continued

NOTES to FINANCIAL STATEMENTS, Continued

5. Advances to United Engineering Trustees, Inc.

By agreements dated February 28, 1958, the Founders' Agreement of August 10, 1916 between the four Founder Societies and United Engineering Trustees, Inc. was superseded by a new Founders' Agreement which provides, in part, for advances of \$265,000 to United Engineering Trustees, Inc. by the American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc. in connection with the erection of the United Engineering Center Building. Such advances are not repayable by United Engineering Trustees, Inc., except upon its dissolution, but advances bear interest at 4% per annum.

6. Pensions

Pension expense amounted to \$35,300 in 1974 and \$55,500 in 1973. The decrease in pension expense in 1974 is due principally to changes in actuarial assumptions relating to mortality and the rate of return on pension fund assets. The actuarially computed value of vested benefits exceeded pension fund assets by approximately \$26,000 at November 30, 1974.

7. Changes in Investments

	<u>1974</u>	<u>1973</u>
Operating Fund:		
Investments at cost, at beginning of year	\$ 662,475	\$ 577,112
Purchases of securities	<u>181,113</u>	<u>85,363</u>
Investments at cost, end of year	<u>\$ 843,588</u>	<u>\$ 662,475</u>
Endowment and Custodian Fund:		
Investments at cost, at beginning of year	\$3,827,826	\$4,127,502
Purchases of securities	<u>3,084,766</u>	<u>2,293,330</u>
	6,912,592	6,420,832
Sales of securities	<u>2,847,971</u>	<u>2,708,271</u>
	4,064,621	3,712,561
Net gain on sales of securities	<u>10,820</u>	<u>115,265</u>
Investments at cost, end of year	<u>\$4,075,441</u>	<u>\$3,827,826</u>

Continued

NOTES to FINANCIAL STATEMENTS, Continued

8. Commitments

Rental commitments under leases for office space approximate \$60,000 in 1975, \$33,000 in 1976 and \$8,000 in 1977. These leases contain provisions for renewal and escalation based upon increased operating expenses. Rental expense under these leases was approximately \$58,000 during 1974.

In addition, the Institute is committed to maintain certain office facilities in the United Engineering Center Building (UEC) in New York City (Note 5). Under the terms of the agreement relating to the occupancy of the UEC, the Institute is committed to paying a pro rata portion of the operating costs of the building. The Institute's share of these costs was \$117,000 during 1974.

AMERICAN INSTITUTE OF MINING, METALLURGICAL,
AND PETROLEUM ENGINEERS, INC.

FINANCIAL DETAILS FOR AIME OPERATING UNITS

November 30, 1974

The pages which follow include these schedules:

A. Statements of AIME Assets and Liabilities under Custodial Assignment to

- AIME Headquarters
- Society of Mining Engineers of AIME
- The Metallurgical Society of AIME
- Society of Petroleum Engineers of AIME

B. Total Financial Resources of AIME

Notes: (1) The financial details in the following schedules were prepared by the AIME Headquarters and Constituent Society staffs and represent the financial positions at November 30, 1974 of the various operating units of AIME. They have not been modified to eliminate inter-unit receivables and payables and other consolidating reclassifications.

(2) The statements do not include the funds managed by AIME local sections, which totalled approximately \$530,000 at 11-30-74.

AMERICAN INSTITUTE OF MINING, METALLURGICAL,
AND PETROLEUM ENGINEERS, INC.

STATEMENT OF AIME ASSETS AND LIABILITIES

UNDER CUSTODIAL ASSIGNMENT TO

AIME HEADQUARTERS
November 30, 1974

ASSETS:

Cash		\$ 4,196
Accounts Receivable		177,911
Prepaid Expenses		17,583
Endowment and Custodian Fund Investments	\$4,075,441	
Less: Allowance for Decrease in Market Value of Investments	<u>623,000</u>	3,452,441
Endowment Fund Cash and Temporary Investments		31,958
Founder Society Advances to United Engineering Trustees		<u>265,000</u>
TOTAL ASSETS		<u>\$3,949,089</u>

LIABILITIES AND FUND BALANCES:

Accounts Payable and Accrued Liabilities	\$ 25,994
Annual Meeting Surplus Fund	51,593
Surplus	52,987
Endowment and Custodian Funds	3,553,515
Property Fund	<u>265,000</u>
TOTAL LIABILITIES AND FUND BALANCES	<u>\$3,949,089</u>

AMERICAN INSTITUTE OF MINING, METALLURGICAL,
AND PETROLEUM ENGINEERS, INC.

STATEMENT OF AIME ASSETS AND LIABILITIES
UNDER CUSTODIAL ASSIGNMENT TO
SOCIETY OF MINING ENGINEERS OF AIME
November 30, 1974

ASSETS:

Cash on Hand and in Banks		\$ 24,636
Investments - Short Term		450,000
Accounts Receivable		
New Member Dues	\$ 5,144	
Regular	29,350	
Advertising	19,212	
Other	<u>23,280</u>	76,986
Transactions Inventory		4,164
Prepaid Expense		31,281
Deferred Charges		40,451
Deposits		<u>2,974</u>
	TOTAL ASSETS	<u>\$ 630,492</u>

LIABILITIES AND FUND BALANCES

Note Payable - Non Interest		42,752
Accounts Payable		57,278
Payroll Taxes Withheld		761
Other Payroll Withholding		(14)
Accrued Pension Expense		<u>----</u>
	TOTAL LIABILITIES	100,777
Deferred Income		242,063
Reserve Life Membership Fund	\$ 3,590	
Custodian Funds	<u>212,072</u>	
	TOTAL FUNDS	215,662

SURPLUS:

Balance at Dec. 1, 1973	55,437	
Excess of Income over		
Expense for the 12 Month		
Period Ended Nov. 30, 1974	<u>16,553</u>	
Balance at Nov. 30, 1974		71,990
	TOTAL FUNDS & SURPLUS	<u>287,652</u>
	TOTAL LIABILITIES, FUNDS AND SURPLUS	<u>\$ 630,492</u>

AMERICAN INSTITUTE OF MINING, METALLURGICAL,
AND PETROLEUM ENGINEERS, INC.

STATEMENT OF AIME ASSETS AND LIABILITIES
UNDER CUSTODIAL ASSIGNMENT TO
THE METALLURGICAL SOCIETY OF AIME

November 30, 1974

ASSETS:

Cash	\$ 499,802
Accounts Receivable	42,664
Prepaid Expenses, Deferred Charges and Other Assets	<u>11,236</u>
TOTAL ASSETS	<u><u>\$ 553,702</u></u>

LIABILITIES AND FUND BALANCES:

Accounts Payable and Accrued Liabilities	\$ 30,729
Deferred Credits to Income:	
Membership Dues received in advance	1,389
Life Memberships	1,960
Other	12,804
Surplus	17,725
Endowment and Custodian Funds	<u>489,095</u>
TOTAL LIABILITIES AND FUND BALANCES	<u><u>\$ 553,702</u></u>

AMERICAN INSTITUTE OF MINING, METALLURGICAL,
AND PETROLEUM ENGINEERS, INC.

STATEMENT OF AIME ASSETS AND LIABILITIES
UNDER CUSTODIAL ASSIGNMENT TO
SOCIETY OF PETROLEUM ENGINEERS OF AIME
November 30, 1974

ASSETS:

Cash			\$ 47,666
Accounts Receivable			
Trade	\$ 41,758		
Regional Meeting Local Sections and Staff Expense Advances	5,600		
Miscellaneous	<u>396</u>		47,754
Inventories			103,708
Prepaid Expense			3,666
Investments			
Trust Fund, Republic National Bank of Dallas (Cost)	\$ 998,549		
Provision for Decline in Market Value (Contra)	<u>(357,997)</u>	640,552	
Short Term Investments		<u>348,276</u>	<u>988,828</u>
	TOTAL ASSETS		<u>\$1,191,622</u>

LIABILITIES AND FUND BALANCES:

Accounts Payable			
Trade	41,113		
Refunds	646		
Taxes	<u>356</u>		42,115
Accrued Scholarships			26,725
Deferred Credits			
Advance Deposits	2,925		
Employee Withholding	442		
Dues - Members	157,215		
Dues - New Members	3,856		
Subscriptions	22,562		
Entrance Fees	<u>2,528</u>		189,528
Funds			
Life Member Fund	3,143		
Senior Member Fund	1,438		
SPE Custodial Fund	<u>928,673</u>		<u>933,254</u>
	TOTAL LIABILITIES AND FUND BALANCES		<u>\$1,191,622</u>

AMERICAN INSTITUTE OF MINING, METALLURGICAL,
AND PETROLEUM ENGINEERS, INC.

TOTAL FINANCIAL RESOURCES OF AIME

November 30, 1974

AIME Endowment Funds \$4,158,150

Custodian Funds Under Assignment

to Constituent Units:

AIME Headquarters	\$ 69,958
SME-AIME	89,919
TMS-AIME (1)	375,941
SPE-AIME	- 0 -
Equity in Offshore Technology Conference	<u>40,954</u>

Total Custodian Funds 576,772

Operating Surpluses Under Custodial

Assignment to Constituent Units:

AIME Headquarters	\$ 91,482
SME-AIME	71,990
TMS-AIME (1)	130,879
SPE-AIME	<u>921,135</u>

Total Operating Surpluses..... 1,215,486

Funds Held by Local Sections (2) 505,000

TOTAL FINANCIAL RESOURCES OF AIME \$6,455,408

(1) Includes ISS-AIME

(2) Approximate Value Based on 1973 Section Treasurers Reports

MEMBERSHIP DATA

AMERICAN INSTITUTE OF MINING, METALLURGICAL, AND PETROLEUM ENGINEERS, INC.

1870 to 1974

YEAR	MEMBER TOTAL	YEAR	MEMBER TOTAL	YEAR	MEMBER TOTAL	YEAR	MEMBER TOTAL	YEAR	MEMBER TOTAL
1870 ---	22	1880 ---	832	1890 ---	2,000	1900 ---	2,450	1910 ---	4,210
1	157	1	1,031	1	2,134	1	2,897	1	4,169
2	254	2	1,213	2	2,258	2	3,262	2	4,290
3	273	3	1,345	3	2,392	3	3,741	3	4,284
4	345	4	1,467	4	2,391	4	3,530	4	4,150
1875 ---	554	1885 ---	1,439	1895 ---	2,437	1905 ---	3,886	1915 ---	4,650
6	628	6	1,504	6	2,390	6	4,048	6	5,880
7	732	7	1,615	7	2,455	7	4,191	7	6,597
8	734	8	1,714	8	2,562	8	4,241	8	7,856
9	788	9	1,857	9	2,564	9	4,284	9	8,426

YEAR	CORPORATE MEMBERS	STUDENT MEMBERS	GRAND TOTAL	YEAR	CORPORATE MEMBERS	STUDENT MEMBERS	GRAND TOTAL
1920 ---	8,388	1,920	10,308	1940 ---	10,828	4,171	14,999
1	8,879	1,326	10,205	1	11,334	4,179	15,513
2	8,805	1,328	9,413	2	11,675	3,489	15,164
3	7,813	1,315	9,128	3	12,081	2,707	14,788
4	7,555	1,263	8,818	4	12,334	1,497	13,831
1925 ---	7,569	1,157	8,726	1945 ---	12,910	1,088	13,998
6	7,385	1,131	8,516	6	14,119	1,737	15,856
7	7,434	1,004	8,438	7	15,000	3,117	18,117
8	7,488	1,000	8,488	8	15,580	4,069	19,649
9	7,823	1,033	8,856	9	16,315	4,952	21,267
1930 ---	7,831	1,162	8,993	1950 ---	17,082	4,534	21,616
1	7,843	1,131	8,974	1	17,482	2,229	19,711
2	7,685	975	8,660	2	18,643	1,964	20,607
3	7,155	672	7,827	3	19,718	2,195	21,913
4	6,887	628	7,515	4	21,816	2,179	23,995
1935 ---	6,916	1,006	7,922	1955 ---	23,723	2,825	26,548
6	7,326	1,620	8,946	6	26,298	3,415	29,713
7	8,279	2,147	10,426	7	28,823	3,974	32,797
8	9,005	2,898	11,903	8	30,553	3,757	34,310
9	9,614	3,760	13,374	9	33,378	2,332	35,710

YEAR	CORPORATE MEMBERS	STUDENT MEMBERS	GRAND TOTAL
1960 ---	34,852	1,893	36,745
1	34,368	1,633	36,001
2	34,437	1,857	36,294
3	34,838	2,289	37,127
4	35,740	2,370	38,110
1965 ---	36,878	2,561	39,439
6	38,912	2,706	41,618
7	40,278	3,183	43,461
8	42,015	3,437	45,488
9	43,300	3,438	46,738
1970 ---	43,095	3,863	46,958
1	44,627	3,962	48,589
2	45,742	3,652	49,394
3	45,154	4,572	49,726
4	46,702	4,988	51,690

AMERICAN INSTITUTE OF MINING, METALLURGICAL, AND PETROLEUM ENGINEERS, INC.

MEMBERSHIP STATISTICS January 1, 1975

NO.	SECTION	SOCIETY OF MINING ENGINEERS OF AIME										THE METALLURGICAL SOCIETY OF AIME										SOCIETY OF PETROLEUM ENGINEERS OF AIME										GRAND TOTAL NO.	
		Min. & Explor. A	M. P. D. B	Coal F	Ind. Min. H	Educ. J	Econ. K	Un- class	Total	Iron & Steel C	Extr. Met. D	Inst. of Met. E	Educ. J	Econ. K	Un- class	Total	Drilling & Well Complet. N	Educ. & Prof. O	Manage- ment U	Reservoir Eng. W	OP & TECH Y	Econ. & Eval. P	Form Eval. R	Prod. Oper. V	Fl. Mech. & Oil Rec. Proc. X	Gas Tech. S	Geol. Eng. I	Un- class	Total				
000	OUT OF SECTION	1,113	366	59	54	14	50	666	2,322	450	380	304	3	8	120	1,265	340	39	41	310	50	80	51	264	45	32	42	230	1,524	5,111	000		
1	ALASKA	23	5	1	2	1	5	17	49	13	80	26	1	1	23	144	6	1	1	1	1	1	1	4	1	1	1	5	20	3	52	1	
2	ARIZONA	900	263	8	30	16	16	248	1,481	13	80	26	1	1	23	144	6	1	1	1	1	1	1	4	1	1	1	5	20	2	2	1,645	2
3	BLACK HILLS	40	10	7	9	2	2	22	82	1	1	1	1	3	2	6	1	2	1	3	6	6	1	1	1	2	1	1	2	1	90	3	
4	BOSTON	47	16	11	7	2	2	25	110	24	33	154	2	3	24	238	2	2	1	3	1	1	1	1	3	2	6	6	26	4	374	4	
5	CARLSBAD	22	12	9	9	2	2	2	45	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	47	5		
6	CENTRAL APPALACHIAN	59	3	287	16	3	2	127	487	14	5	19	3	3	3	44														511	6		
7	CHICAGO	93	43	86	29	6	6	40	297	431	33	169	1	1	60	697														994	7		
8	CLEVELAND	69	39	21	11	2	3	17	162	194	19	123	1	1	30	367														529	8		
9	COLORADO	553	151	45	34	7	18	262	1,070	21	33	24	1	1	25	103														1,173	9		
10	COLUMBIA	175	21	1	5	2	2	66	272	1	15	8	1	1	4	29														308	10		
11	CONNECTICUT	19	10	4	3	3	1	12	49	27	24	127	3	3	22	203														258	11		
12	DELTA	15	3	3	2	2	1	11	31	2	10	5	1	1	3	21														1,055	12		
13	DETROIT	39	13	6	14	1	1	17	90	129	10	143	1	1	30	313														1,404	13		
14	EAST TEXAS	11	4	1	1	1	1	1	17	9	1	1	1	1	1	1														341	14		
15	EL PASO	41	10	7	1	1	1	14	74	1	29	11	1	1	5	46														46	15		
16	GULF COAST	9	2	2	4	1	1	2	18	1	1	3	3	1	1	6														3,470	16		
17	WICHITA PETROLEUM	9	2	4	2	2	1	6	25	1	2	3	1	1	2	6														150	17		
18	LEHIGH VALLEY	63	35	17	16	1	2	23	156	63	22	54	1	1	14	154														314	18		
19	MID CONTINENT	5	1	1	1	1	1	1	7	13	10	16	1	1	7	47														788	19		
20	MINNESOTA	266	168	3	5	2	11	94	549	13	10	16	1	1	7	47														611	20		
21	MONTANA	112	18	4	5	1	1	66	206	30	30	5	1	1	10	45														251	21		
22	NORTHERN NEVADA	30	172	30	8	2	3	43	258	17	9	2	2	2	6	17														275	22		
23	NEW YORK	453	134	29	51	9	82	143	901	141	174	332	5	23	82	757														1,658	23		
24	NORTH TEXAS	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1														213	24		
25	NORTH PACIFIC	161	26	8	6	1	5	76	283	9	33	47	1	1	13	102														409	25		
26	OHIO VALLEY	39	14	47	20	1	4	36	161	98	15	141	1	1	18	273														434	26		
27	OKLAHOMA CITY	4	10	1	8	1	2	16	118	9	36	19	1	1	8	72														664	27		
28	OREGON	80	5	94	4	1	1	10	149	9	2	8	1	1	3	20														196	28		
29	PENN ANTHRACITE	35	5	2	1	1	1	6	19	1	1	1	1	1	2	5														171	29		
30	PERMIAN BASIN	10	2	1	1	1	1	1	19	1	1	1	1	1	2	5														1,030	30		
31	PHILADELPHIA	70	36	22	24	2	2	27	183	142	17	95	3	1	32	290														523	31		
32	PITTSBURGH	136	58	331	26	4	7	190	752	597	89	295	1	2	87	1,071														1,823	32		
33	ST. LOUIS	27	150	37	71	7	2	95	389	59	47	53	1	1	27	187														576	33		
34	SAN FRANCISCO	423	263	20	50	2	25	93	878	4	12	14	1	1	5	35														913	34		
35	ALABAMA	71	15	124	10	7	15	43	265	32	17	13	1	1	8	70														357	35		
36	SO. CALIFORNIA	268	84	15	43	8	9	95	514	51	40	134	1	1	31	257														771	36		
37	SOUTHWEST TEXAS	2	1	1	2	1	1	2	5	1	1	1	1	1	3	1														482	37		
38	SOUTHWESTERN NEW MEXICO	77	23	19	2	1	1	25	129	4	4	1	1	1	3	8														137	38		
39	TRI-STATE	19	2	2	2	1	1	3	41	1	5	1	1	1	2	2														52	39		
40	UPPER PENINSULA	100	43	19	2	2	1	41	189	9	4	19	1	1	5	37														226	40		
41	UTAH	314	73	19	11	3	8																										

AMERICAN INSTITUTE OF MINING, METALLURGICAL,
AND PETROLEUM ENGINEERS, INC.

CLASSIFICATION OF MEMBERS

AIME - Three Year Tally

	<u>1972</u>	<u>1973</u>	<u>1974</u>	<u>SME</u>	<u>TMS/ISS</u>	<u>SPE</u>
Honorary Members	34	36	37	15	8	14
Members	30,240	30,216	30,667	11,082	5,887	13,698
Associates	8,178	7,842	8,006	3,036	1,687	3,283
Juniors	<u>7,290</u>	<u>7,059</u>	<u>7,992</u>	<u>2,992</u>	<u>1,178</u>	<u>3,822</u>
TOTAL	45,742	45,153	46,702	17,125	8,760	20,817
Student Members	<u>3,652</u>	<u>4,572</u>	<u>4,988</u>	<u>1,872</u>	<u>1,846</u>	<u>1,270</u>
GRAND TOTAL	49,394	49,725	51,690	18,997	10,606	22,087

1974 NET MEMBERSHIP GAINS (LOSSES)

SME-AIME	- 668
TMS/ISS-AIME	- (500)
SPE-AIME	- 1797
AIME	<u>1965</u>

DISTRIBUTION OF MEMBERS IN SOCIETIES
DURING LAST 15 YEARS AS APPROXIMATE PERCENTAGE

<u>December</u>	<u>SME %</u>	<u>TMS %</u>	<u>SPE %</u>
1960	35.6	24.1	40.3
1961	35.3	25.4	39.3
1962	34.5	26.7	38.8
1963	33.6	28.0	38.4
1964	33.0	29.1	37.9
1965	32.2	29.5	38.3
1966	32.9	29.6	37.5
1967	33.7	29.2	37.1
1968	33.7	29.1	37.2
1969	33.7	29.1	37.2
1970	34.0	29.0	37.0
1971	35.4	26.9	37.7
1972	36.7	25.6	37.7
1973	36.9	22.3	40.8
1974	36.8	20.5	42.7

AMERICAN INSTITUTE OF MINING, METALLURGICAL,
AND PETROLEUM ENGINEERS, INC.

REPORT OF THE
AIME ASSISTANT FOR PUBLIC AFFAIRS, 1974

103RD AIME ANNUAL MEETING

Three hotels were used in Dallas, Texas for the 103rd AIME Annual Meeting; the Statler Hilton, the Fairmont and the Sheraton-Dallas. The Dallas Convention Bureau was in charge of all housing and reported the Meeting used 2328 rooms.

The Dallas Section Annual Meeting Committee, under the Chairmanship of Mr. Thomas Frick, was very active in planning and organizing the Meeting. A special thank you was extended to the Committee for their outstanding contribution.

Registration exceeded all pre-meeting estimates as the following comparisons demonstrate:

	<u>Estimate</u>	<u>Registration</u>	<u>Actual</u>
AIME Member	1600		1953
Non Member	250		607
Authors	150		202
Students	100		218
WAAIME	<u>300</u>		<u>300</u>
TOTAL	2400		3280

	<u>Percent of Member Attendance</u>
Society of Mining Engineers of AIME	63%
The Metallurgical Society of AIME	28%
Society of Petroleum Engineers of AIME	9%

Because of the increased attendance, the 1974 Meeting ended with a net surplus of \$24,807.45. This was assigned to the AIME Annual Meeting Surplus Fund which brought the Fund balance to \$63,470.53. The rules of the Fund do not permit the balance to exceed \$50,000.00 so the excess of \$13,470.53 was allocated in terms of the following proposal: 25% to AIME Headquarters, 75% to Constituent Societies based on Society members registered at the Meeting.

		<u>Percent of Registration</u>
AIME Headquarters	\$3,367.63	
Society of Mining Engineers of AIME	6,364.83	63
The Metallurgical Society of AIME	2,828.81	28
Society of Petroleum Engineers of AIME	<u>909.26</u>	<u>9</u>
TOTAL	\$13,470.53	

Respectfully submitted,

Frederick C. Motts
Assistant for Public Affairs

SOCIETY OF MINING ENGINEERS OF AIME

Report Of The Executive Secretary

1974

The most significant occurrence for 1974 was the relocation of the Society Headquarters to Salt Lake City, Utah. The decision to relocate was made in September 1973 by the SME-AIME Board of Directors and concurred in by the AIME Board of Directors in October 1973. The decision was implemented in two stages. General administrative and magazine producing activities started in temporary quarters in Salt Lake City in January 1974. Efforts were started to recruit and train a business services staff while the actual provision of these services was continued in New York. Book production and editing activities were also continued in New York and Assistant Executive Secretary M. Snedeker did a superb job in providing continuity under difficult circumstances. The new office facilities were occupied in April and all services were transferred -- the New York offices of SME-AIME were discontinued.

1974 was not an easy year. Of the 23 full-time office employees on the staff at year-end, only 5 had been on the staff in New York. Fortunately the Society was able to employ the experienced employees made available through the discontinuance of the AIME Western Field Office. Two of the employees hired in Salt Lake City, the Business Manager and an Associate Editor, were provided some training in the New York Office.

The following employees were transferred and provided the essential continuity that enable a productive year despite the difficulties of relocation:

Mr. Claude L. Crowley, Executive Secretary
Miss Marianne Snedeker, Assistant Executive Secretary and Manager
of Publications
Mr. Robert P. LaRusso, Manager of Production, MINING ENGINEERING
Mrs. Ruth M. Orologio, Meetings Manager
Mrs. Lillian E. Donaldson, Assistant to the Executive Secretary

Great help was received from former AIME Western Field Secretary Clifford J. Hicks and his secretary Miss Evelyn Burke. Mr. Hicks was appointed Assistant Executive Secretary and Manager of Section and Student Activities for SME-AIME and Miss Burke will continue to provide him with secretarial support.

Three SME-AIME employees retired in 1974:

Mr. John C. Fox - Executive Secretary Emeritus
Mr. Edward Walsh - Membership Supervisor
Mrs. Gilda Ruggieri - Accounting Clerk

Mr. Duane H. Haley, who had joined the staff in late 1973 as Editor of MINING ENGINEERING resigned on May 1, 1974. The Editorial Board approved a plan for a unified publications department and Miss M. Snedeker was appointed as Manager of Publications. Mr. Eugene C. Guccione, formerly Senior Editor on E&MJ, was appointed Senior Technical Editor of MINING ENGINEERING on a consulting basis. Mr. Ta M. Li, formerly Assistant Editor, E&MJ, was appointed Technical Editor.

Mr. Charles H. Jennings completed his New York training for the position of Business Manager and did a commendable job in providing business services with a 100% new staff.

The year ended well: the move was completed; the staff stabilized and trained; all services were improving and new services being considered; membership, after a small decline in 1973, was growing; and, the Society had managed to pay the costs of relocation with the help of a \$78,000 grant from AIME and have a small surplus.

FINANCES

The following shows the financial performance of the Society since 1967:

SME-AIME

Financial Performance -- Fiscal Years 1967 through 1974 (000's omitted)

<u>Year</u>	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>
Revenue	\$628.2	\$652.2	\$717.7	\$775.5	\$775.0	\$805.8	\$966.0	\$1,124.3
Expense	<u>597.6</u>	<u>652.2</u>	<u>728.2</u>	<u>793.1</u>	<u>833.9</u>	<u>838.2</u>	<u>955.2</u>	<u>1,107.8</u>
Surplus (Deficit)	\$ 30.6	-0-	\$(10.5)	\$(17.6)	\$(58.9)	\$(32.4)	\$ 10.8	\$ 16.5

Relocation cost about \$125,000 plus carrying costs of the vacant space in the United Engineering Center -- the Society's responsibility for this space terminates on June 30, 1975. A special grant of \$78,000 from AIME Endowment Funds helped offset these costs. Estimates indicate that the Society realized a 10% reduction in payroll costs plus a productivity increase of 25% by the move. Thus the move appears cost justified and a pay-back could be realized in a couple of years. However, the move was made to enable improved services within the limited resources expected and it was understood that the costs of the move were to be written off. Best hopes have been met -- the move has been paid for during fiscal years 1973 and 1974 without a drain on operating reserves.

PUBLICATIONS

The financial performance of the publications program for 1974, exclusive of the Directory, reflected the pressures of inflation, particularly in the areas of paper costs and postage. The following indicates the financial performance since 1967:

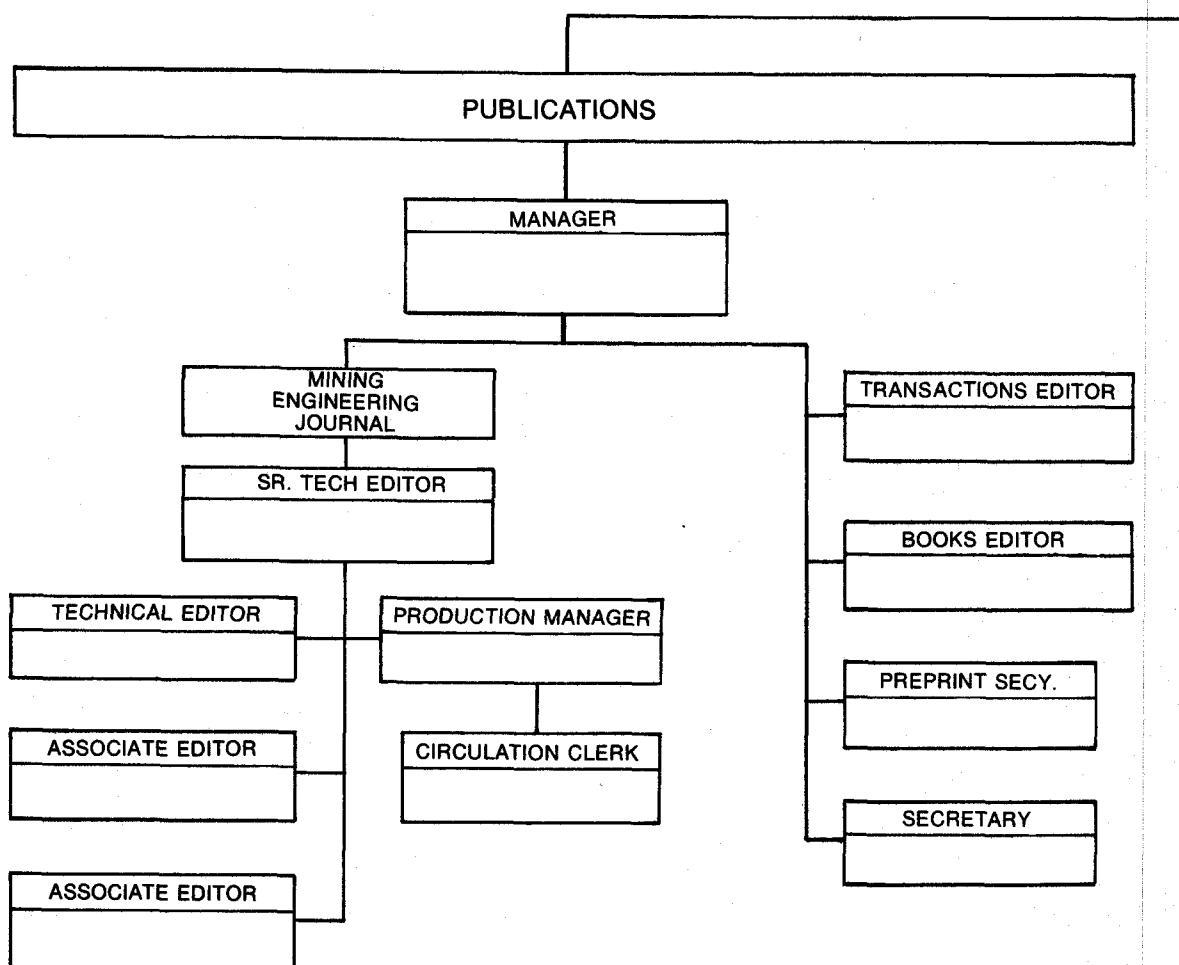
SME-AIME

Financial Performance -- Publications Program -- FY67 through FY74 (000's omitted)

<u>Year</u>	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>
Revenue	\$353.0	\$346.4	\$397.2	\$409.2	\$410.9	\$366.9	\$370.1	\$381.9
Expense	<u>370.4</u>	<u>400.8</u>	<u>445.9</u>	<u>477.8</u>	<u>534.8</u>	<u>466.9</u>	<u>460.0</u>	<u>485.8</u>
Surplus (Deficit)	\$(17.4)	\$(54.4)	\$(48.7)	\$(68.6)	\$(123.9)	\$(100.0)	\$(90.1)	\$(103.9)

During the first part of 1974 the publishing program of the Society suffered somewhat from the difficulties connected with relocation. By year-end 1973, only one member of the staff had relocated to Salt Lake City, this person, however, providing badly needed continuity in the production and advertising affairs of the organization. For the first third of 1974 the Transactions and Books operation remained in New York. By spring it had become apparent that a split operation of this nature was not in the best interests of the Society.

After the New York operation was terminated April 30, 1974, the entire publishing operations of the Society began functioning in Salt Lake City. In June the SME-AIME Board of Directors approved the concept of a unified Publications Department under the direction of a Manager of Publications. The organization chart for this Department follows:



By year-end 1974 the Publications Staff is functional and becoming educated in the operations of the Society and industry it serves.

MINING ENGINEERING

Under the unified Publications Department concept now in operation, the editorial staff of MINING ENGINEERING has been relieved of administrative responsibilities so that they can concentrate their time and efforts on editorial planning and execution. In addition, in the latter half of the year, the editorial staff assumed the responsibility for planning and producing advertising promotion material. Utilizing the talents of the staff for this purpose helped reduce overall costs and at the same time producing more effective "message" material in an attractive, attention-getting form.

Every effort was made during the year to hold the line on expenses as much as possible in a year of spiraling costs. Unfortunately the one effective way to do this is by exercising tight control over the number of pages in the magazine devoted to editorial content. In anticipation of an approximate cost increase of 15% in FY 1975, the need to restrict editorial content will continue.

Financial performance since 1967 is shown below.

SME-AIME

Financial Performance -- MINING ENGINEERING -- FY67 through FY74 (000's omitted)

<u>Year</u>	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>
Revenue:								
Advertising	\$295.2	\$291.0	\$332.8	\$342.3	\$325.9	\$271.3	\$274.6	\$269.1
<u>Subscriptions</u>	<u>15.2</u>	<u>16.7</u>	<u>16.6</u>	<u>20.7</u>	<u>16.0</u>	<u>21.0</u>	<u>22.3</u>	<u>24.0</u>
Total	<u>\$310.4</u>	<u>\$307.7</u>	<u>\$349.4</u>	<u>\$363.0</u>	<u>\$341.9</u>	<u>\$292.3</u>	<u>\$296.9</u>	<u>\$293.1</u>
Expenses:								
Advertising	\$150.2	\$159.5	\$183.1	\$196.9	\$207.8	\$184.4	\$168.6	\$176.3
Directory	14.8	17.2	14.7	13.8	31.5	13.2	25.2	41.0
<u>Editorial</u>	<u>155.8</u>	<u>170.8</u>	<u>183.3</u>	<u>200.6</u>	<u>234.1</u>	<u>193.6</u>	<u>179.0</u>	<u>184.2</u>
Total	<u>\$320.8</u>	<u>\$347.5</u>	<u>\$381.1</u>	<u>\$411.3</u>	<u>\$473.4</u>	<u>\$391.2</u>	<u>\$372.8</u>	<u>\$401.5</u>
Surplus (Deficit)	\$(10.4)	\$(39.8)	\$(31.7)	\$(48.3)	\$(131.5)	\$(98.9)	\$(75.9)	\$(108.4)

From an advertising revenue standpoint, the notable issues of the year were the February Annual Review, July Membership Directory, and the October Open Pit Special. The latter issue was on display at the AMC Mining Show in early October.

Editorial planning for 1975 began in late summer 1974. Definitive plans have been formalized for the following issues: January, in-depth study of Canadian Athabasca tar sands development; February Annual Review; April, minerals industry efforts in offshore mining; May, more on the energy crisis; September, an

analysis of mine financing in the late seventies.

Since MINING ENGINEERING is the Society's magazine, news of Society affairs are important features in each issue. All available Fall Meeting abstracts were published in August and abstracts for the Annual Meeting from three Divisions were published in December. A supplemental Annual Meeting abstract feature for the fourth Division and the All-Institute sessions appears in January 1975. General meetings coverage included a photographic report on Acapulco in December. Student affairs news included the list of graduates in 1973-74 from the mining schools.

In a concentrated effort to substantially improve the timeliness and quality of the annual Membership Directory and to sharply reverse the spiraling cost situation, conversion of the Directory data to the SME computer system has been in progress since mid-summer. At the date of writing (mid-December), the 1974 Directory data has been inputted to the system and the programming "bugs" resolved. An all-membership (including students) directory card mailing was made in October. At this time, about half the cards have been returned. A preliminary estimate of the first 1450 cards processed indicates that 250 remain the same as 1974, 1200 are changes.

Final production of the 1975 Directory will require conversion of our computer data to tape for use on our printer's VIP Composer. A change in format will effect a reduction in cost by reducing the number of pages in the finished Directory. This change in format, illustrated below, will increase the number of entries per page from about 80 to 120.

AEBE, WODAJIE
2 A 73 PO Box 4203 Addis Ababa
Ethiopia

ABEL, JOHN C
3 BH 71 Ker Ford Limestone Co Box
434 Weeping Water, NB 68463
Canada

ABEL, JOHN F Jr
1 AJ 53 Assoc Prof Coll of Mines
Dept of Mining & Geol Univ of AZ
Tucson, AZ 85721

ABELL, LEO M
1 AD 31 Met Consult Mining & Met-
als Bechtel Corp 1978 Desert Circle

Nordberg Machy Grp Rexnord Inc
3073 So Chase Ave Milwaukee, WI
53207

ADEMEC, LEW
1 A 42 VP & Gen Mgr Compania
Minera Del Sur Casilla 4326 La Paz,
Bolivia

ADAMI, ARTHUR E
1 A 19 Retired Educ 926 W Woolman
St Butte, MT 59701

ADAMS, A
1 ABH 63 Kerr-McGee Chem Corp
Kerr-McGee Towers Oklahoma
City, OK 73102

ton, DC 20006

ADKINS, GEORGE E
1 ABFHJ Chartered Mining Eng 157
Doncaster Ave Kensington, New
South Wales 2033 Australia

ADKINS, WILLIAM E
1 AD 49 Box 206 Silver City, NM
88061

ADLER, JAMES E
1 ACDH 58 Geol Land Records Dept
The Anaconda Co Hennesey Bldg
Butte, MT 59701

ADLER, LAWRENCE
1 AJ 51 Prof Div of Minerals Engrg

AHLGRIMM, MILTON S
1 E 63 Pres Ahlgrimm Explos Co
Mineral Point, WI 53565

AHLBORG, WILLIAM T
1 B 49 Retired Denver Club Bldg
Denver, CO 80110

AHLMANN, HANS R
1 ABJ 68 Trelleborgs S-231 01 Trel-
leborg, Sweden

AHLQUIST, H R
3 B 54 Rsch Engr Proc Devel Dept
Erie Mining Co Box 847 Hoyt Lakes,
MN 55750

AHMAD, JAVED

The SME Editorial Board has been developing criteria for a formalized editorial policy for the Society, which will be finalized for distribution in February. The SME General Editorial Committee will be looking at some longer-range planning for MINING ENGINEERING. Since the Society's publishing program is for its membership, it is important for the Editorial Committees of SME to be actively engaged in planning and guidance.

TRANSACTIONS

In calendar year 1974, 360 pages were published, a decrease of 16 pages from the previous year. The decrease was due partly to the decline in accepted-papers inventory and in part to spiraling production costs. The number of technical papers published was 58 and there were 10 technical notes, as well as the annual index in the December issue. In addition, the December issue contained abstracts of 70 graduate theses, submitted by 7 schools. Publication of this material in TRANSACTIONS implements the Falkier recommendations to the SME Board of Directors.

In the normal course of publishing, SME has been able to eliminate the backlog of unpublished, accepted TRANSACTIONS papers that existed at the end of 1973. This has been done without having to resort to nonbudgetary financial assistance from the Divisions as was contemplated at one time. The backlog came into existence because of increased efficiency and timeliness of action by the Publication Committee all within a short time frame. Once the Committees continued to complete reviews in a shorter period of time, without a backlog of uncompleted work from the previous groups, the normal publishing procedures and schedules gradually coped with the backlog. At the present time, it is possible to schedule papers for the next issue of TRANSACTIONS. For example, papers accepted for publication in December will appear in the March issue of TRANSACTIONS.

Efforts continue among the Publications Committees of the Divisions to generally enhance the quality of accepted papers by tightening adherence to the review standards and procedures. Attention continues to be paid to avoid duplication of material in these papers with what has already become part of the permanent technical literature.

To help with Divisional Publications Committee evaluate what the readership of TRANSACTIONS needs and wants to see published, a survey questionnaire was mailed to all subscribers of the quarterly and annual volume. The tabulated results of this questionnaire will be considered by the Transactions Editorial Committee as it assesses current operations and future planning.

In order to offset sharply rising production costs (the increase for 1975 is 25%), the price of TRANSACTIONS for 1975 was raised from \$8.50 to \$15 for members, from \$15 to \$25 for nonmembers. This is the first increase in price since 1949.

In an attempt to increase subscription income for TRANSACTIONS and MINING ENGINEERING a special mailing list of institutional, company, and private libraries, domestic and foreign, is being developed for special promotional efforts in 1975.

The following shows the financial performance of TRANSACTIONS since 1967:

SME-AIME

Financial Performance -- SME TRANSACTIONS -- FY67 through FY74
(000's omitted)

<u>Year</u>	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>
Revenue:	\$ 27.8	\$ 27.5	\$ 31.7	\$ 28.1	\$ 27.4	\$ 26.6	\$ 24.3	\$ 27.9
Expense:	<u>30.4</u>	<u>28.5</u>	<u>41.2</u>	<u>42.3</u>	<u>37.8</u>	<u>36.6</u>	<u>41.0*</u>	<u>44.4</u>
(Deficit):	\$ (2.6)	\$ (1.0)	\$ (9.5)	\$ (14.2)	\$ (10.4)	\$ (10.0)	\$ (16.7)	\$ (16.5)

*Includes about \$4.0 extraordinary expense, inventory write-off.

BOOK PUBLISHING

In 1974, SME-AIME published:

1974 Solution Mining Symposium, F. F. Aplan,
W. A. McKinney, and A. D. Pernichele, editors,
469 pages, soft cover, illus., February 1974

1974 RETC Proceedings, H. C. Pattison and E.
d'Appolonia, editors, 2 vols., 1843 pages,
hard cover, illus., November 1974

SME Mining Engineering Handbook: Although 10,000 copies were completed in late 1973, by summer it became apparent that at the then rate of sales (@300 copies per month), the first printing would be depleted by late January 1975. Immediate action was taken to secure the necessary approvals for reprinting and paper for a reprint edition of 7,000 was ordered at the beginning of August. Reprinting began as soon as the paper was delivered in November and completed books will be placed in inventory in mid-January 1975. Unfortunately, the sales trend in the first six months of 1974 did not indicate the sharp increase in orders that took place in August, September, and October as college and university orders came in. Sales in those months doubled. The first printing inventory was exhausted by the end of November and SME-AIME will be holding orders for six weeks.

SME-AIME reprinted 1,000 copies of "Stability for Open Pit Mining," C. O. Brawner and V. Milligan, editors, 1971, and 3,000 copies of "Elements of Practical Coal Mining," S. M. Cassidy, editor, 1973.

Work continues on books in progress: "Industrial Minerals and Rocks," 4th edition, S. J. Lefond, editor; "Economics of the Mineral Industries," 3rd edition, W. A. Vogely and H. A. Risser, editors; "Mineral Processing Handbook," Norman Weiss, Editor-in-Chief.

SME-AIME will also be publishing in 1975 "Monograph on Gold and Silver Cyanide Plant Practice" by Frank W. McQuiston and R. S. Shoemaker, and the proceedings with discussion, of the M&E Hoisting Conference being held during the 1975 AIME Annual Meeting.

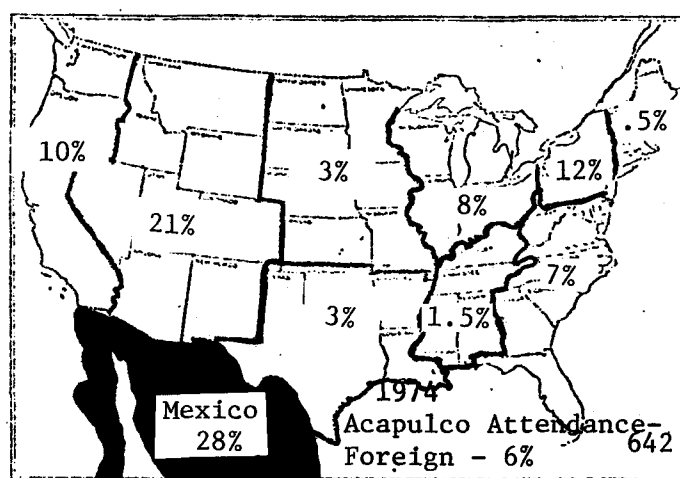
Book publishing continues to be an important Society function. Over 11,000 book orders were processed in FY 1974.

MEETINGS

The Society had its first offshore meeting September 23-25, 1974 in Acapulco, Mexico. The meeting which had 642 paid male registrants was successful in attendance as well as technically. The SME-AIME Fall meeting had 89 papers of which 25 were contributed from Mexico.

1974 SME Acapulco

Attendance by Region



As reported in the 1973 Report of the Secretary the Fall meetings have been purposefully moved around the United States to take the Society to the members. The following chart shows the success of this policy as the attendance at the meetings have been strongly supported by the region in which it's held:

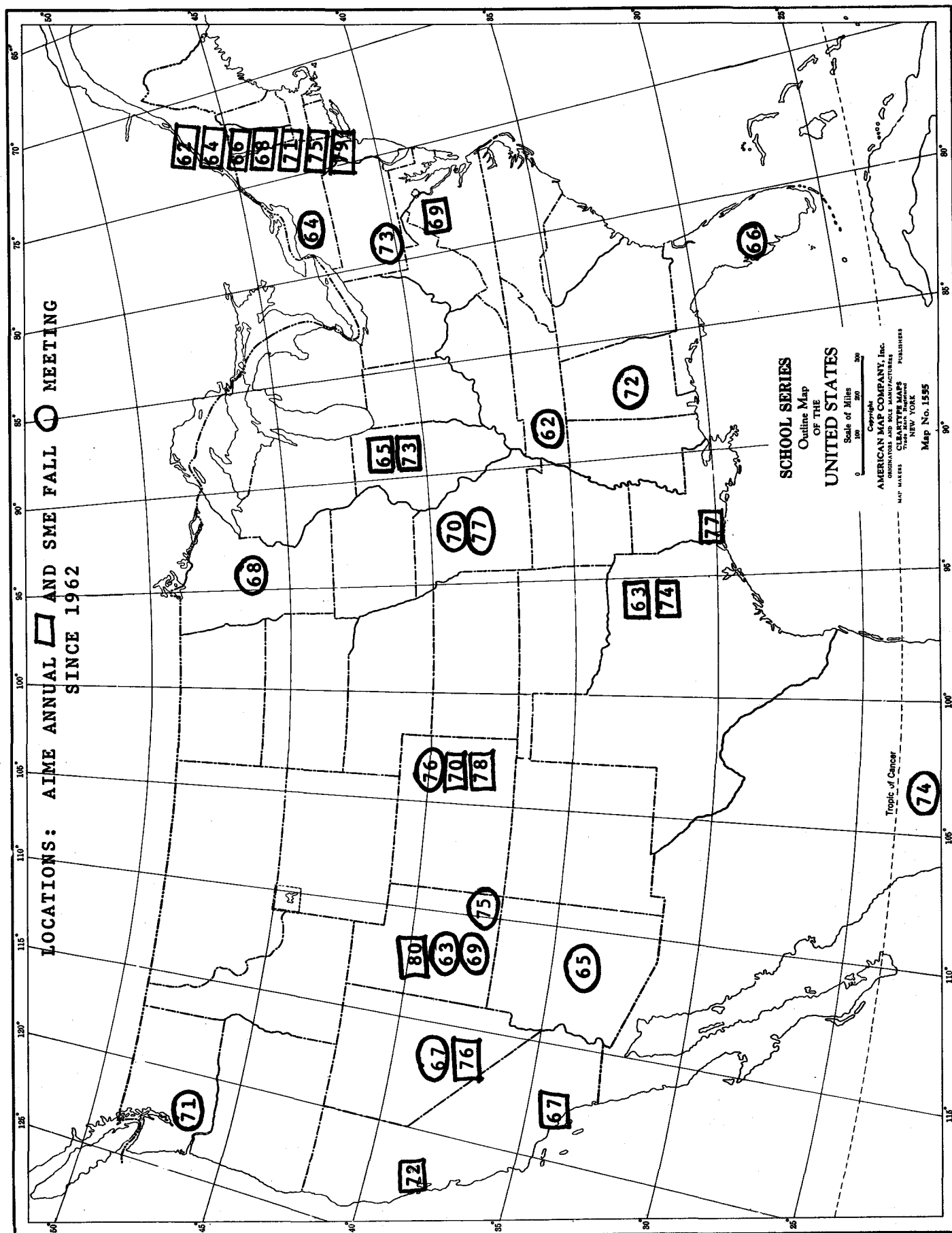
SME-AIME FALL MEETING

ATTENDANCE BY GEOGRAPHIC REGIONS

REGION	1966 TAMPA	1967 LAS VEGAS	1968 MINNEAPOLIS	1969 SALT LAKE CITY	1970 ST. LOUIS	1971 SEATTLE	1972 BIRMINGHAM	1973 PITTSBURGH	1974 ACAPULCO
1	23	20	14	22	23	3	8	10	4
2	240	145	135	181	162	63	71	244	77
3	417	69	55	58	74	28	88	66	45
4	186	122	235	139	133	54	97	81	51
5	62	17	18	14	44	4	177	21	10
6	56	54	338	93	199	28	39	31	19
7	94	97	43	79	107	30	27	15	19
8	80	424	98	1,048	285	154	29	48	135
9	56	241	51	215	97	185	27	24	64
10	51	59	126	163	288	95	22	28	218
TOTAL	1,265	1,248	1,113	2,012	1,412	644	585	568	642

REGION LEGEND

- | | |
|---|---|
| 1. NEW ENGLAND: Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut. | 6. WEST NO. CENTRAL: Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, Kansas. |
| 2. MIDDLE ATLANTIC: New York, New Jersey, Pennsylvania. | 7. WEST SO. CENTRAL: Arkansas, Louisiana, Oklahoma, Texas. |
| 3. SOUTH ATLANTIC: Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida. | 8. MOUNTAIN: Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada. |
| 4. EAST NO. CENTRAL: Ohio, Indiana, Illinois, Michigan, Wisconsin. | 9. PACIFIC: Washington, Oregon, California. |
| 5. EAST SO. CENTRAL: Kentucky, Tennessee, Alabama, Mississippi. | 10. CANADA
FOREIGN
UNCLASSIFIED |



SME-AIME ATTENDANCE - AIME ANNUAL MEETING

<u>Year</u>	<u>Location</u>	<u>Attendance</u>		
		<u>Number</u>	<u>Percent</u>	
1963	Dallas, Texas	1079	47 %	} 47.8% <u>Average</u>
1964	New York, New York	1221	44.2%	
1965	Chicago, Illinois	1073	48.2%	
1966	New York, New York	1438	47.7%	
1967	Los Angeles, California	1421	48.5%	
1968	New York, New York	1632	51.1%	} 65.6% <u>Average</u>
1969	Washington, D. C.	1478	63.1%	
1970	Denver, Colorado	2399	69.4%	
1971	New York, New York	1460	62.0%	
1972	San Francisco, California	1581	72.8%	
1973	Chicago, Illinois	1145	62.9%	
1974	Dallas, Texas	1883	63.2%	

SME-AIME

FINANCIAL PERFORMANCE - OFFSHORE TECHNOLOGY CONFERENCE (OTC)

FY70 THROUGH FY74

<u>Year</u>	<u>Surplus to SME-AIME</u>
1970	\$12,198
1971	11,994
1972	19,731
1973	31,187
1974	<u>40,824</u>
Total	\$115,934

The Coal Division held its Spring Meeting on April 18 and 19 in St. Louis, Missouri and had an attendance of 200+ men with 8 technical papers.

The second RETC was held on June 24-27, 1974 in San Francisco, California and had an attendance of 1035. The RETC had 115 papers which were bound into a two-volume proceedings and distributed as part of the registration for the conference.

Plans for the third RETC on June 14-17, 1976 in Las Vegas, Nevada are now being developed. The SME-AIME staff provides meetings services for this joint AIME/ASCE venture. The ASCE staff will provide staff support for the Exhibit in 1976.

The 1975 SME-AIME Fall Meeting & Exhibit will be held at the Salt Palace, Salt Lake City, Utah on September 10-12. Plans for this meeting are well under way.

The 3rd joint MMIJ-AIME meeting will be held with the SME-AIME Fall Meeting & Exhibit in Denver, Colorado, September 1-3, 1976. The SME-AIME staff will provide staff support for this meeting.

The 1977 SME-AIME Fall Meeting will be held at Stouffer's Riverfront Inn, October 19-21, 1977, St. Louis, Missouri.

MEMBERSHIP

SME-AIME started 1974 with 18,329 members and ended the year with 18,997. Corporate membership grew by 238 and Student membership grew by 430. This corporate membership gain reversed the loss suffered in 1973 as a result of the dues increase and returns the rolls to the levels of 1973. The following charts show membership statistics since 1967:

SME-AIMEMembership By Divisional Interest

<u>AS OF</u>	<u>M & E</u>	<u>COAL</u>	<u>IndMD</u>	<u>MPD</u>	<u>EDUC</u>	<u>ECON</u>	<u>STUD</u>	<u>UNCLASS</u>	<u>TOTAL MEMBERS</u>	<u>MEMBERS</u>
1/1/1967	NA	NA	NA	NA	NA	NA	966	NA	14,711	13,745
1/1/1968	7,074	1,377	766	2,284	83	273	773	1,849	14,489	13,716
1/1/1969	7,423	1,435	793	2,384	86	300	1,005	2,001	15,427	14,422
1/1/1970	7,782	1,436	795	2,416	90	301	995	2,360	16,175	15,180
1/1/1971	8,035	1,413	811	2,448	95	321	864	2,655	16,642	15,778
1/1/1972	8,288	1,501	838	2,538	99	348	1,170	3,059	17,841	16,671
1/1/1973	8,348	1,518	851	2,541	104	364	1,129	3,474	18,329	17,200
1/1/1974	8,151	1,517	834	2,517	106	349	1,442	3,413	18,329	16,887
1/1/1975	8,222	1,615	824	2,506	104	354	1,872	3,500	18,997	17,125

SME-AIMEMembership by Grade

<u>AS OF</u>	<u>MEMBERS</u>	<u>MEMBERS</u>	<u>MEMBERS</u>	<u>ASSOC.</u>	<u>JUNIOR</u>	<u>STUDENTS</u>
1/1/1967	14,711	13,745	10,010	2,153	1,582	966
1/1/1968	14,489	13,716	9,892	2,214	1,610	773
1/1/1969	15,427	14,422	10,763	2,449	1,786	1,372
1/1/1970	16,175	15,180	11,089	2,583	2,141	1,330
1/1/1971	16,642	15,778	11,503	2,753	2,305	1,653
1/1/1972	17,841	16,671	11,343	2,840	2,488	1,170
1/1/1973	18,329	17,200	11,410	3,054	2,736	1,129
1/1/1974	18,329	16,887	11,203	2,950	2,734	1,442
1/1/1975	18,997	17,125	11,096	3,036	2,992	1,872

SME-AIMECorporate Membership Changes -- 1972/1973/1974

<u>Losses</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>
Deaths	175	146	175
Resignations	212	411	324
Drops	612	1,076	889
Unaccepted	56	44	36
TOTAL	1,058	1,677	1,424
<u>Gains</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>
Total	1,587	1,364	1,662
Net	529	-313	238
Corporate Members	17,200	16,887	17,125
Student Members	1,129	1,442	1,872
TOTAL	18,329	18,329	18,997

BUSINESS SERVICES

In 1973 SME-AIME became responsible for its own business services with the decentralization of the AIME Business Office. As reported in the Secretary's Report for 1973, priority in 1974 was placed upon improving address control and order fulfillment procedures.

The member mail list is now maintained by an in-house mini-computer that enables day of receipt posting of the more than 1,000 address changes received monthly. Use of the computer will be expanded in 1975 to improve Directory and Accounting Data and Procedures. Plans are being developed to expand the membership records through an improved profile.

Book sales were more than 11,000 volumes and continue to grow each year. Improvement in procedures enable one clerk to continue to process this volume. Further efforts for improvement will be made in 1975 to speed delivery and simplify procedures so that reasonable costs may be maintained.

LOCAL SECTIONS AND STUDENT CHAPTERS

Included in the "Procedures" of the recently organized Section Representatives of SME-AIME is the mechanism by which personal communication between SME-AIME directors and SME-AIME administered Sections may be maintained by personal contact as well as mail. Officers and directors, on a volunteer basis, assign themselves various SME-AIME Sections and Student Chapters to visit.

Of the 11 Sections in the Eastern Region, five had visits. Six of the 12 Sections in the Central Region and 12 of the 24 in the Western Region were visited, plus the Philippines Section. In summary 50% of the SME-AIME administered Sections had the benefit of personal contact with an SME-AIME officer or director.

SME-AIME administers 35 Student Chapters of which 10 were visited.

New Sections, Subsections, Student Chapters and Student Clubs

A new Section has been formed from what was known as the Corpus Christi Mining and Metals Subsection of the Houston based Texas Coast Mining and Metals Section. It is called the South Texas Minerals Section.

Three Subsections are in varying stages of development:

The Central Appalachian Section will form a Subsection in northern West Virginia and eastern Ohio.

Members in the Boise, Idaho area are hoping to activate a Subsection of the Snake River Section.

The Montana Section is encouraging Billings members to organize a Subsection in south central Montana.

Student Chapter organizational activity is evident at:

California State Polytechnic University, Pomona, California

University of Pittsburgh, Pittsburgh, Pennsylvania (Mining Chapter)

University of Brazil, Brasilia, D. F., Brazil

San Francisco State University, San Francisco, California

University of Montana, Missoula, Montana

The possibility of forming Student Clubs at the following Junior Colleges is being explored:

Madisonville Community College, Madisonville, Kentucky

Wabash Valley College, Mt. Carmel, Illinois

Belmont Technical College, St. Clairsville, Ohio

Southeastern Illinois College, Harrisburg, Illinois

HONORS AND AWARDS

The following honors and awards were presented to SME-AIME members during 1974:

Installed as Honorary Members of AIME

Norman L. Weiss

Erskine Ramsay Medal

Charles J. Potter

Robert H. Richards Award

Douglas W. Fuerstenau

Hal Williams Hardinge Award

R. Gill Montgomery

Percy Nicholls Award

George P. Cooper (ASME and AIME)

Mineral Economics Award

Hubert E. Risser - posthumously

Daniel C. Jackling Award

Thomas E. Howard

Howard N. Eavenson Award

John A. McCormick

Robert Peele Awards

Arthur E. Lewis

Robert L. Braun

SME Best Presentation Awards

C. R. Marek

John K. Hammes

AIME LEGION OF HONOR

(50 Years of Continuous Membership)

Of the 42 AIME Members who were made Members of the AIME Legion of Honor last year, 23 were members of the Society of Mining Engineers of AIME.

They were:

C. E. Bartlett
Lee E. Blinzler
Kenneth E. Caine
Augustus M. Dixon
F. Leroy Foster
Edward G. Fox
John W. Hager
Meredith E. Johnson
Selwyne P. Kinney
Albert T. Koenen
Gordon MacVean
Jesse L. Maury
F. A. McGonigle
E. C. Peterson
Alan Probert
W. Spencer Reid
Harold James Rose
Marshall T. Sanders
Nelson Severinghaus
James W. Stanford
Charles E. Stott
Dimitri N. Vedensky
A. E. Walker

COAL DIVISION SCHOLARSHIP RECIPIENTS1974-1975

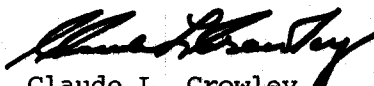
James D. McConnell	Pennsylvania State University	\$650.00
Gregory C. Lewicki	" " "	650.00
George W. MacDurmon	" " "	650.00
Anthony J. Witte	University of Missouri-Rolla	650.00
Rudolph H. Fischer	" " "	650.00
William R. Christians	" " "	650.00
Gene T. Hilton, Jr.	Virginia Polytechnic Institute	650.00
Frank O. Wood, Jr.	" " "	650.00
Michael D. Henderson	" " "	650.00
William L. Eberts	University of Alabama	325.00
Donald Willingham	" "	325.00
Michael Wray	" "	650.00
Randall King	" "	650.00
Daniel DeBolt	West Virginia University	650.00
Richard Clonch	" "	650.00
Jill Buchanan	" "	650.00
James Webster Akers	University of Kentucky	650.00
Ted McGinnis	" "	650.00
Burl Scott	" "	650.00

Total \$11,700.00

ACKNOWLEDGEMENT

We again thank all of the members and staff who have contributed so much to the success of SME-AIME. We ask for the continued help and support of these people as we face the future.

Respectfully submitted,


 Claude L. Crowley
 Executive Secretary

THE METALLURGICAL SOCIETY OF AIME

REPORT

of the

EXECUTIVE SECRETARY OF THE METALLURGICAL SOCIETY OF AIME

for 1974

Throughout 1974 TMS-AIME evaluated the request of the Iron and Steel Division to form a fourth constituent Society of AIME through various committees at the Institute and Society level. Approval was given at the June, 1974, AIME Board Meeting and the ISS-AIME officially will be formed on December 1, 1974. TMS-AIME will continue as a Society serving the Physical and Extractive Metallurgy Membership.

The Society in 1974 showed an operating surplus of \$17,725 for the first surplus since 1968. The improved financial performance has been accomplished by maintaining the membership level, expanded publication sales, and closely monitoring expenses throughout the year.

The Publications Department which includes book and proceedings production, meeting pocket programs, and book order/sales, published six new books, four new proceedings, and two Short Course Note Books. A total volume of 1,504 paper selections and 5,995 books and proceedings were sold and distributed. Total income exceeded \$74,000.00.

New members elected in 1974 totaled 502. The average processing time for applications was reduced to less than six weeks by improved membership department procedures and monthly Admissions Committee Meetings. Membership records were converted to a new addressograph system to reduce time lag in address changes and allow greater flexibility for mailings at reduced costs.

Administration of Local Sections and Student Chapters continued with improved communications via monthly newsletters. The Executive Secretary visited five Local Sections and the Society conducted its first meeting of Local Section Representatives in October. Proposals are being studied to establish a regional system of section representatives to serve on the Society Board of Directors. Two new Student Chapters were founded at the University of Arizona and Wayne State University.

Reorganization of the Society was a key topic in 1974 and will continue to be studied in 1975. A special Ad Hoc Committee is currently preparing a plan for restructuring the administrative functions of the Society and drafting new Bylaws. The timetable calls for the new structure to be implemented in February, 1976.

The Longe Range Planning Committee has formed three sub-committees to study: TMS Public, TMS Membership, and TMS Profession, and develop new goals for the Society.

The year of 1974 was one of action, expansion, change -- Action to meet the growing needs and requirements of the membership; Expansion to broaden the technical range of TMS-AIME into areas which foster membership growth; and Change to keep pace with the metallurgical community TMS-AIME serves as its professional Society.

FY 74 FINAL FINANCIAL RESULTS

REVENUE

Member Dues and Fees	\$ 261,346
Publications	288,277
AIME Endowments	5,232
Interest and Dividends	14,147
Meetings	74,897
Miscellaneous	<u>2,667</u>
Total	\$ 646,566

EXPENSE

Office Renovation	\$ 4,504
AIME Corporate Headquarters	43,647
Business Office	71,532
Western Field Secretary	5,567
Society Headquarters	162,570
Membership Development	10,416
Rebates (Section & Student)	7,490
Publications	263,835
Pensions and Related	23,691
Meetings	15,262
Special Capital Purchase	<u>20,327</u>
Total	\$ 628,841

Deficit	<u><u>17,725</u></u>
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MEETINGS DEPARTMENT

TECHNICAL CONFERENCES

The Metallurgical Society of AIME, through its Divisions, sponsored or co-sponsored nine technical conferences during 1974.

<u>Conference</u>	<u>Attendance</u>	<u>Number of Technical Sessions</u>	<u>Number of Papers Scheduled</u>
16th Mechanical Working and Steel Processing Conference, Ramada Inn, Dalton, Illinois	291	9	30
103rd AIME Annual Meeting, Fairmont, Sheraton, Statler Hilton, Dallas, Texas, February 24-28, 1974	548	42	219
57th National Open Hearth and Basic Oxygen Steel Conference, Chalfonte-Haddon Hall, Atlantic City, New Jersey, April 29-May 1, 1974	935	8	31
33rd Ironmaking Conference, Chalfonte-Haddon Hall, Atlantic City, New Jersey, April 29-May 1, 1974	515	10	35
6th Annual Offshore Technology Conference, Astorhall, Astroworld, Houston, Texas, May 6-8, 1974	32,636 18 TMS	36 2 TMS	196 19 TMS
TMS-AIME 6th Annual Spring Meeting, University of Pittsburgh, Pittsburgh, Pennsylvania, May 20-23, 1974	718	63	449
16th Electronic Materials Conference, Sheraton-Boston Hotel, Boston, Massachusetts, September	192	6	21

<u>Conference</u>	<u>Attendance</u>	<u>Number of Technical Sessions</u>	<u>Number of Papers Scheduled</u>
TMS-AIME Fall Meeting, Materials Science Symposium, Statler Hilton, Detroit, Michigan, October 21-24, 1974	945	58	365
32nd Electric Furnace Conference, Pittsburgh Hilton, Pittsburgh, Pennsylvania, December 11-13, 1974	1438	11	53

SCHEDULE OF TMS-AIME CONFERENCES FOR 1975 AND 1976

1975

January 22-23	17th Mechanical Working and Steel Processing Conference, Pittsburgh, Pennsylvania	ISS
February 16-20	104th AIME Annual Meeting, New York Hilton and Americana, New York	TMS & ISS
April 7-11	International Conference on Composite Materials, Geneva, Switzerland, Hotel Intercontinental	TMS
April 14-18	International Conference on Composite Materials, Sheraton Boston Hotel, Boston, Massachusetts	TMS
April 13-16	58th National Open Hearth and Basic Oxygen Steel Conference and 34th Ironmaking Conference, Royal York, Toronto, Canada	ISS
May 4-7	7th Annual Offshore Technology Conference, Astrohall, Astroworld Hotel, Houston, Texas	TMS
May 18-22	TMS-AIME 7th Annual Spring Meeting, University of Toronto, Toronto, Canada	TMS
August 24-27	17th Electronic Materials Conference, Princeton University, Princeton, New Jersey	TMS
November 10-13	TMS-AIME Fall Meeting, Cincinnati Convention Center, Cincinnati, Ohio	TMS
December 10-12	33rd Electric Furnace Conference, Shamrock Hilton, Houston, Texas	ISS

1976

January 21-22	18th Mechanical Working and Steel Processing Conference	ISS
February 22-26	105th AIME Annual Meeting, Las Vegas Hilton, Las Vegas, Nevada	TMS & ISS
March 28-31	59th National Open Hearth and Basic Oxygen Steel Conference, Chase Park Plaza, St. Louis, Missouri	ISS
May 3-6	8th Annual Offshore Technology Conference, Astrohall, Astrodome, Astroworld Hotel, Houston, Texas	TMS
September	18th Electronic Materials Conference To Be Announced	TMS
October	TMS-AIME Fall Meeting To Be Announced	TMS
December 7-11	34th Electric Furnace Conference, Detroit Hilton, Detroit, Michigan	ISS

TECHNICAL INFORMATION EXCHANGE

Technical Information Exchange is a small exhibit that is put on at two of the Iron and Steel Division's Conferences each year; the National Open Hearth and Basic Oxygen Steel Conference/Iron-making Conference, and the Electric Furnace Conference.

The purpose of the Technical Information Exchange program is to provide an opportunity for supplier companies of the Iron and Steel Industry to display their products and services by purchasing exhibit space at these conferences.

Each exhibit is held adjacent to the registration area at a conference thus promoting maximum interchange between conference attendees and representatives from the supplier companies demonstrating the equipment the attendees use every day in their jobs.

Results of the TIE programs held during 1974 are as follows:

<u>Conference</u>	<u>Number of Exhibitors</u>
57th National Open Hearth and Basic Oxygen Steel Conference/33rd Ironmaking Conference	7
34th Electric Furnace Conference	18

MEMBERSHIP DEPARTMENT

This department continued in 1974 with one full time staff member and one part-time temporary. Included in its activities are processing new member applications, change of address and status, and membership promotion.

The department underwent a drastic change in procedures with the advent of the addressograph. The Society now has the in-house capability to maintain its own mailing lists with address changes completed on the day of receipt.

Membership promotion campaigns through meetings, direct mail, and various follow-up work brought in 502 new members in 1974. A new membership application form and new members contest will be announced in January, 1975.

TMS-AIME MEMBERSHIP January 1, 1975 By Grade Classification

Member	5,636
Associate Member	1,687
Junior Member	1,178
Student Member	1,846

Honorary Member	8
Senior Member	238
Life	<u>13</u>

Grand Total 10,606

The following table shows TMS-AIME Membership by Division for 1970-1974.

<u>TMS-AIME MEMBERSHIP 1970 - 1974</u>					
	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>
EMD	1,607	1,641	1,616	1,552	1,560
IMD	4,085	4,008	3,741	3,268	3,126
ISD	3,413	3,283	3,198	2,974	3,039
Education	27	30	30	30	29
Economics	75	68	64	55	56
Unclassified	<u>1,329</u>	<u>1,352</u>	<u>1,345</u>	<u>1,155</u>	<u>950</u>
Total Members	10,536	10,382	9,994	8,994	8,760
No. of Mem- bers Gained (Loss)	(787)	(154)	(388)	(1,000)	(232)
% Change	(6.95)	(1.46)	(3.73)	(10.00)	(2.57)
Student	<u>2,098</u>	<u>2,039</u>	<u>1,785</u>	<u>2,113</u>	<u>1,846</u>
Grand Total	<u>12,634</u>	<u>12,421</u>	<u>11,779</u>	<u>11,107</u>	<u>10,606</u>

PUBLICATION DEPARTMENT

The expansion of the Publication Department in 1974 to three full-time staff and periodic temporary help was reflected in the increasing volume of book publication and sales.

PAPER SELECTION

The program continues to be a major part of our overall publication services to the Membership. The objective of the paper selection programs is the swift publication and broad dissemination of technical information not currently published in other TMS-AIME media.

In 1974 there were 105 paper selections published in conjunction with the Annual Meeting.

These papers have been indexed and will be printed in a special flyer which will be mailed to libraries and universities and available to all who request it through the Book Order Department.

TMS PUBLICATIONS FROM 1974

Electric Furnace Proceedings 1973, Volume 31, Cincinnati, Ohio,
45 papers, 319 pages.

Ironmaking Proceedings 1974, Volume 33, Atlantic City, New Jersey,
57 papers, 484 pages.

Open Hearth Proceedings 1974, Volume 57, Atlantic City, New Jersey,
53 papers, 484 pages.

Mechanical Working and Steel Processing Proceedings, Vol. XII,
Dolton, Illinois, 30 papers, 496 pages.

Light Metals 1974 - Volumes 1, 2, and 3, Edited by Helge Forberg,
103rd AIME Annual Meeting, Dallas, Texas, 76 papers, 1080 pages

Composites: State of the Art - Edited by J. J. Weeton and E. Scala,
1971 Fall Meeting, Detroit, Michigan, 7 Chapters, 365 pages

Failure Modes in Composites II - Edited by James N. Fleck, Richard
L. Mehan, 6th Annual Spring Meeting, Pittsburgh, Pennsylvania,
7 abstracts, 15 papers, 302 pages

Charge Transfer/Electronic Structure of Alloys - Edited by L. H.
Bennett and R. H. Willens, 5th Annual Spring Meeting, Philadelphia,
Pennsylvania, 12 papers, indexed, 367 pages.

BOF Steelmaking Volume I-Introduction Editorial Board: R.D. Pehlke, Chairman, W. F. Porter, R. F. Urban, and J. M. Gaines, Editor, 120 pages.

Sixth Annual Spring Meeting Abstract Bulletin:

A Modern View of Fatigue: a short course notebook - course held in conjunction with the Fall Meeting, 1974, Detroit, Michigan

Corrosion Problems and Solutions for the Extractive Metallurgy Industry: a short course notebook - course held in conjunction with the 104th AIME Annual Meeting, Dallas, Texas.

Electric Furnace Conference Preprints - Ingot, Casting, Special Arcs - preprints of those papers available before the 32nd Electric Furnace Conference, Pittsburgh, Pennsylvania, 1974.

Abstract Bulletin - 104th AIME Annual Meeting

PROCEEDINGS ADVERTISING

Within the Iron and Steel Division of The Metallurgical Society of AIME the practice of selling advertising to help offset the cost of conference proceedings is employed by three of the five operating committees. Following are results of the three committees' efforts during 1974:

Conference	Number of Ads	Income
56th National Open Hearth and Basic Oxygen Steel Conference	32	\$11,005.00
32nd Ironmaking Conference	17	\$ 5,815.00
31st Electric Furnace Conference	34	\$11,360.00

JOURNAL OF METALS

For the Fiscal year ending November 30, 1974, the Journal of Metals published 918 pages including covers. The total included the following:

Editorial:	334 pages
Society News:	214 pages
House Advertisements	31 pages
Public Service Ads	3 pages
Display Advertisement	126 pages
Classified Advertisement	20 pages
Membership Directory	143 pages

There were five conference programs published during the year:

16th Mechanical Working and Steel Processing Conference
 103rd AIME Annual Meeting
 33rd Ironmaking Conference
 57th National Open Hearth and Basic Oxygen Steel Conference
 TMS-AIME/ASM Fall Meeting
 32nd Electric Furnace Conference

Eight Special Issues were published in 1974:

March	Steelmaking
April	Ironmaking
May	Ferro Alloys
July	Refractories in Metals
September	Directory Issue

October	Continuous Casting
November	Electric Furnace Foundries
December	Rolling Mills

Beginning December 1, 1974, the Journal of Metals changed format to follow the restructured Metallurgical Society. Dr. Konrad J. A. Kundig was appointed Editor of JOM to implement the new direction planned for the publication.

JOURNAL OF METALS ADVERTISING

A comparison of advertising results for the years 1971, 1972, 1973, and 1974 indicates that the JOM has continued to gain favor among advertisers:

	1971	1972	1973	1974
Advertising				
Pages*	75	103	140	146
Net Billing	\$27,000	\$70,000	\$120,000	\$147,000

* Includes Classified

METALLURGICAL TRANSACTIONS - 1974

Technical Papers Published

	Number of TPs	Pages	Total Pages
EMD	28	181	
ISD	32	242	
IMD and ASM	<u>237</u>	<u>1812</u>	
Total TPs Published	297	2235	2235

Communications Published

	Number of Comms	Pages	
EMD	3	4	
ISD	1	2	
IMD and ASM	<u>87</u>	<u>182</u>	
Total Comms Published	91	188	188

Title Pages 12

Table of Contents, Author Instructions, etc. 34

Blank Numbered Pages 149

Total Numbered Pages in 1974 METALLURGICAL TRANSACTIONS 2618*

In accordance with objectives declared before the merger was approved by both Societies, the publication is intended to serve the needs of the entire metallurgical profession. Thus, Society distinctions are eliminated throughout both the review and publication process. Consequently, the divisional listings in the tabular data represent the distribution of effort in the Board of Review and not the source of papers.

* An index of 41 pages follows page 2618.

HONORS AND AWARDS

TMS-AIME Board of Directors has elected the following members to the grade of Fellow in 1974:

Morris E. Fine
Thomas R. Ingraham
James Howard Keeler
Thomas B. King
Harold W. Paxton

The following awards were presented by The Metallurgical Society of AIME during 1974:

Robert Lansing Hardy Gold Medal

Dale E. Newburg was the recipient of the Robert Lansing Hardy Gold Medal in recognition of exceptional promise of a successful career in the field of metallurgy. This award is given annually to a metallurgist who has not reached his thirtieth birthday before the end of the calendar year during which the selection is made.

Champion H. Mathewson Gold Medal

The Champion H. Mathewson Gold Medal was bestowed upon Gilbert Chin for his series of papers on plastic deformation.

Robert W. Hunt Silver Medal Award

J. W. Onuscheck and R. L. W. Holmes were selected for this award for the best original paper on iron and steel, "Oxy-Fuel Oil Practices and Performance for B.O.F. Steelmaking."

Extractive Metallurgy Division Science Award

This award was bestowed upon E. W. Dewing for his two-part paper "Thermodynamics of the System NaF - AlF_3 , Part III: Activities in Liquid Mixtures;" Part IV: "The Cryolite Liquidus Curve."

Extractive Metallurgy Division Technology Award

E. Wigstol, P. G. Thornhill, and G. VanWeert were the recipients of this award for their paper "The Falconbridge Matte Leach Process."

J. E. Johnson, Jr. Award

This award is given to encourage young men in creative work in the metallurgy or manufacture of pig iron. The recipient of this award must be under forty years of age when he completes the work that merits recognition. The 1974 recipient was Robert W. Bouman

for his demonstrated ability to combine the theoretical and practical approaches to blast furnace operation which has resulted in significant improvements in furnace control and productivity.

Frank B. McKune Award

This award is given for the best paper on open hearth or basic oxygen steelmaking written by an author or authors under forty years of age. The recipients of the 1974 award were H. W. Grenfell and D. J. Bowen for their paper "The Use of Continuous Weighing of BOS Furnaces for Controlling the Blow."

Conference Award

This award is the "runner-up" to the Frank B. McKune Award and was presented in 1974 to S. N. Singh and K. E. Blazek for their paper "Heat Transfer and Skin Formation in a Continuous-Casting Mold as a Function of Steel Carbon Content."

Charles H. Herty, Jr. Award

J. E. Lait, J. K. Brimacombe, F. Weinberg, and F. C. Muttitt were selected for this award for the best paper presented at the 1973 National Open Hearth and Basic Oxygen Steel Conference, and published in the Conference Proceedings. The title of their paper is "The Liquid Pool Geometry and Cast Structure in Continuously Cast Blooms and Beam Blanks at the Algoma Steel Corporation."

John Chipman Award

This award was established in April 1971 by the Process Technology Committee of the Iron and Steel Division to perpetuate the inspiration of John Chipman's outstanding contribution to the science of iron and steelmaking. In 1973, the award was bestowed upon D. C. Hilty and J. W. Farrell for their paper "Steel Flow Through Nozzles: Influence of Deoxidizers."

Ironmaking Conference Award

The 1974 Ironmaking Conference Award was presented to J. D. Ashton, C. V. Gladysz, J. Holditch, and G. H. Walker for the best paper presented at the 1973 Ironmaking Conference. The paper title is "Alkali Control at Dofasco."

Mechanical Working and Steel Processing Conference Highest Award

Established in 1971 by the Mechanical Working and Steel Processing Committee of the Iron and Steel Division, this award is given for the best paper presented at the previous year's conference and published in the proceedings. In 1974 the Award was presented

to B. S. Levy and T. E. Fine for their paper "Effect of Composition and Process Variables on Deformation in Simple Up-setting."

Mechanical Working and Steel Processing Conference Meritorious Award

This award is a "runner-up" to the Mechanical Working and Steel Processing Conference Highest Award and is given for the paper chosen as "runner-up" to the best paper presented at the previous year's conference and published in the Proceedings. The 1974 recipient of this award was Gary Van Asperen for his paper "Metallurgical Considerations when Annealing Large Coils."

Charles W. Briggs Award

This award is conferred for the best paper presented at the annual Electric Furnace Conference. The 1974 award was given to R. A. Strimple, C. R. Beechan, and J. F. Mulhauser for their paper "Monitoring Brick Thickness and Hot Face Temperature." This was considered the best paper presented at the 1973 Conference.

Joseph Becker Award

This award is given for distinguished achievements in coal carbonization and was presented in 1974 to Dr. Lawrence D. Schmidt.

T. L. Joseph Award

The award is conferred for distinguished contributions to iron-making operation, to a person who has significantly increased iron production or decreased the cost of doing so. The 1974 award was presented to R. V. Flint.

LECTURES

1974 Extractive Metallurgy Division Lecture

Dr. Charles B. Alcock - "Aspects of Progress in the Science of Pyrometallurgy."

1974 Institute of Metals Division Lecture and Robert Franklin Mehl Award

Mats Hillert - "Diffusion and Interface Control of Reactions in Alloys."

1974 Howe Memorial Lecture (Iron and Steel Division)

Merton C. Flemings - "Solidification Processing"

ACKNOWLEDGEMENT

Appreciation is extended to all members, officers, and directors of The Metallurgical Society of AIME. Special thanks to President James C. Fulton, EMD Chairman, Dr. David T. Camp, IMD Chairman, Dr. George S. Ansell, and ISD Chairman, Mr. Melvin E. Nickel.

Thanks also to the staff who have preformed most admirably. The staff as of January 1, 1975 by position are:

Alexander R. Scott, TMS-AIME Executive Secretary
Joan Licurse, Administrative Assistant

Lawrence G. Kuhn, ISS-AIME Executive Secretary
Editorial Director and Publisher-
Iron and Steelmaker
Editorial Director-Journal of Metals
Claire Schmitt, Administrative Assistant

David B. Martin, Director of Member Services
Elizabeth Loughlin, Secretary
Darda Lourie, Publications Manager
Barbara King, Publications Sales Clerk
David Myles, Publications Production Assistant

Peter DeLuca, Business Services Manager
Rosa Rivera, Bookkeeper
Terry Segni, Account Receivable Clerk

Konrad Kundig, Editor - Journal of Metals
Otto Johnson, Managing Editor
Vera Dailey, Associate Editor
Lilou Irvine, Assistant

Ed Willis, Mail Room Supervisor

Respectfully submitted,

Alexander R. Scott

Alexander R. Scott
Executive Secretary

REPORT

of the

EXECUTIVE DIRECTOR OF THE SOCIETY OF PETROLEUM ENGINEERS OF AIME

In retrospect, 1974 saw the Society of Petroleum Engineers of AIME expand and refine its programs and services in every operating area. Continued membership growth was reflected by an increase of more than 1,700 to achieve a record total of 22,087 members at year-end. New programs were highlighted by the announcement of a new project to report on enhanced recovery methods, and approval of a plan to provide matching SPE funds to support the scholarship funds of local sections. Three major studies were concluded during the year -- on a plan for certification of SPE members; a study of the Society's programming and publication programs; and development of recommendations by the SPE Long-Range Planning Committee.

TECHNICAL SERVICES DEPARTMENT

A new publication effort was authorized in late 1974 that will provide for exchange of information on enhanced recovery projects. The program will operate under the purview of two committees. An implementation committee was charged with establishing standards for acceptance of projects to be published, publicizing the program, and annually contacting prospective contributors to encourage participation. Members of the implementation committee are Ted M. Geffen, Marvin L. Katz, J. Wade Watkins, R. Vincent Smith, Fred H. Poettmann, Robert P. Murray, and Wilbur Teubner. The second committee, in charge of data publication, was charged to prepare a standardized format, review reports, and approve data for printing in a quarterly publication. Members of this committee include Todd M. Doscher, Joseph Martinelli, Dennis J. Graue, William C. Skinner, and Charles W. Arnold, Jr. The first edition is scheduled for release in May, 1975, and an annual subscription rate of \$25.00 for members has been approved by the SPE Board.

Nearly 850 manuscripts were processed by the Technical Services Department during 1974. These include papers programmed, preprinted, published, and reviewed for publication from unsolicited and programmed sources. Fourteen regional and/or special-interest symposia, including the 49th Annual Fall Meeting and the Sixth Annual Offshore Technology Conference, were sponsored or jointly sponsored by the Society in 1974. A total of 665 papers were programmed, 595 were preprinted, 168 published in SPEJ or JPT, and 565 reviewed for publication. The two SPE editorial committees -- Transactions and General -- operated on an April to March timetable during 1974 to react more responsively to the influx of meeting papers. Approximately 40 percent of the papers reviewed were accepted for publication.

Publication figures for the Journal of Petroleum Technology and the Society of Petroleum Engineers Journal are listed below.

	<u>Number of Papers</u>	<u>Number of Pages</u>
<u>Journal of Petroleum Technology</u> (monthly)		
Forum papers	12	34
Transactions papers	26	220
Technical and Professional papers	70	519
<u>Society of Petroleum Engineers Journal</u> (bimonthly)		
Forum papers	2	6
Transactions papers	28	290
Technical and Professional papers	30	263

A subscription to JPT is included in the annual dues payment; a \$5.00 per year subscription is charged for SPEJ. Net circulation for JPT was 23,845; net circulation for SPEJ was 4,194.

TRANSACTIONS

Transactions Volume 257 will be published in May, 1975, and will contain 54 papers and approximately 606 pages. The Transactions Volume costs \$6.25 to members when ordered with payment of annual dues and \$7.50 when ordered separately.

REPRINT SERIES

Two reprint booklets were published in early 1974: Reprint Series No. 6a --- Drilling and Reprint Series No. 11 --- Numerical Simulation. Other volumes in various stages of preparation at the end of the year include: Reprint Series No. 4a --- Field Case Histories, Oil Reservoirs; Reprint Series No. 12 --- Gas Technology; Reprint Series No. 13 --- Offshore Operations; Reprint Series No. 14 --- Phase Behavior; and Reprint Series No. 15 --- Phase Artificial Lift.

MONOGRAPH SERIES

No new Monographs were published during 1974. Detailed operating guidelines were prepared and approved by the SPE Board in October to facilitate more timely publication of books under this program. Volumes in various stages of preparation at the end of the year include: Cementing by Dwight Smith; Advances in Well-Test Analysis by Robert C. Earlougher, Jr.; Numerical Simulation by Calvin C. Mattax and Robert Dalton; Acidizing by B. B. Williams, Robert Schechter and John L. Gidley; Fluid Behavior by Lyman Yarborough; Operational Aspects of Waterflooding by Lynn Jones; Well Logging by J. R. Jorden, Jr. and Frank Campbell; and Gas Well Performance by H. J. Ramey, Jr.

Additional topics approved for Monographs include Drilling Practices, Thermal Recovery, and Production Equipment.

PREPRINTS

Each year SPE members are provided with preprints of papers presented at the Society's Fall Meeting and at the various regional and special interest meetings held throughout the world. During 1974 approximately 595 papers, totaling 7,140 pages, were preprinted for 14 regional and topical meetings. Of this number, 2,076 pages (189 papers) were prepared for the Sixth Annual Off-shore Technology Conference, and approximately 2,016 (168 papers) were prepared for the SPE-AIME 49th Annual Fall Meeting.

MEMBERSHIP

Total membership for the Society at the end of 1974 was a record high of 22,087, representing an increase of 1,797 members over the final 1973 figure. The Society also received a record-making 2,212 new member applications during the year. Corporate membership for 1974 was 20,817 with 1,270 student members.

	1971	1972	1973	1974
SPE Membership	18,327	19,286	20,290	22,087
New Member/Reinstatement Applications Received*	1,240	1,523	1,888	2,212
Members Lost (resignations, deaths, dropped owing dues)	1,104	1,034	1,347	924

*Student applications are not included in this figure.

MEETINGS

SPE members traveled to Houston, Texas, in 1974 to conduct their Annual Fall Meeting. The Society's 49th Annual Fall Meeting, which included a 186-paper technical program and a 194-booth exhibits display, had a record attendance of 6,723 registrants. The previous attendance records were set at the 43rd Annual Fall Meeting in Houston in 1968 and the 46th Annual Fall Meeting in New Orleans.

The Society also conducted 12 regional meetings during 1974, with combined attendance at these meetings reaching 5,641. A summary of the attendance and the number of papers presented at the 1974 SPE Regional Meetings is listed below.

City	Attendance	Number of Papers on Program
New Orleans, Louisiana	566	20
Midland, Texas	443	13
Indianapolis, Indiana	243	14
San Francisco, California	667	34
Tulsa, Oklahoma	1,242	30
Corpus Christi, Texas	121	6
Billings, Montana	286	13
Amsterdam, The Netherlands	550	39

Amarillo, Texas	750	17
Hobbs, New Mexico	128	15
Washington, D. C.	183	13
Tyler, Texas	<u>462</u>	<u>12</u>
TOTAL:	5,641	226

DISTINGUISHED LECTURER PROGRAM

The Society's seven Distinguished Lecturers for 1973-74 presented more than 115 talks before 54 of SPE's sections. The Distinguished Lecturer program is financed by the participating local sections, the AIME Henry L. Doherty Fund, and the SPE Operating Fund.

The 1973-74 SPE Distinguished Lecturers were:

D. C. Bond, Illinois State Geological Survey
 Ben H. Caudle, The University of Texas at Austin
 Granville Dutton, Sun Oil Company
 Lloyd E. Elkins, Amoco Production Company
 Rex T. Ellington, Transco Energy Company
 H. A. Nedom, Independent Indonesian American Petroleum Company
 James L. Rike, Rike Service

CONTINUING EDUCATION PROGRAM

VIDEO-TAPE COURSES

Production continued during 1974 on "Production Operations Course III--Well Stimulation", and video-taping began on "Production Operations Course IV--Workovers." The "Well Stimulation" and "Workovers" courses are third and fourth in a series of 10 seminar-type video-tape courses that the Society is recording dealing with all phases of production operations.

During 1974 "Production Operations Course I--Well Completions" was taken by 104 SPE members and "Course II--Well Diagnosis" was taken by 152 SPE members. Late in 1974 plans were initiated for the production of the fifth course in the series -- "Gas Lift." In addition, plans were completed for "Drilling Operations Course I--Well Planning", the first course in a four-course series that the Society is producing on drilling operations. The following SPE members have agreed to serve as "Well Planning" instructors:

Dwight K. Smith, Halliburton Services
 H. E. Radford, Consultant
 Daniel A. North, Exxon Co., U.S.A.

To date 43 SPE local sections have participated in the program by conducting at least one of the Society's video-tape courses, and more than 2,800 SPE members have completed at least one of the courses during the past seven years.

TRAVELING LECTURE SERIES

In 1974, 182 SPE members in three sections took Traveling Lecture Courses. Since the creation of the Traveling Lecture Series in February, 1971, 952 members in 11 sections have completed a Traveling Lecture Course.

AWARDS

Two SPE members -- Herbert F. Beardmore, retired from Gulf Oil Corp. in Houston, and Claude R. Hocott, Associate Dean of the Petroleum Engineering Department at the U. of Texas at Austin -- were elected to Honorary Membership in the Institute in 1974.

The Society presented the following awards in 1974:

DeGolyer Distinguished Service Medal	John S. Bell, Exxon Co., U.S.A., retired
Lester C. Uren Award	Michael Prats, Shell Development Co.
John Franklin Carll Award	Ted M. Geffen, Amoco Production Co.
Cedric K. Ferguson Medal	Bruce H. Walker, Christensen Diamond Products Co.
Distinguished Service Award	J.M.C. Gaffron, Freeport Oil Co. M. Scott Kraemer, Amoco Production Co.
Outstanding Student Chapter	Texas A&M U.

SCHOLARSHIPS

The Society expanded and refined its scholarship programs during 1974 to help meet the critical manpower needs of the petroleum industry. The SPE Board accepted recommendations of the Scholarship Committee and allocated nearly \$27,000 in scholarship funds for distribution to sections as matching funds during the 1975-76 school year. The funds will be distributed by 33 SPE local sections that qualified for participation in the first year of the Society's new scholarship program. Members of the ad hoc Committee on Scholarship were SPE Directors C. A. Hutchinson (chairman), Robert M. Orr, James G. Litherland, and James R. Anderson.

The Society again joined with the Petroleum Equipment Suppliers Association in awarding scholarships to undergraduate students pursuing degrees in petroleum engineering. The 1974 PESA Scholarship Winners were:

James B. Fraser, Montana College of Mineral Science and Technology
Robert E. Bethancourt, Texas A&M University
James W. Bauer, University of Oklahoma

LOCAL SECTIONS

TECHNICAL INFORMATION COMMITTEES

Since the approval of the Technical Information Committee program by the SPE Board in late 1970, 32 SPE sections have formed local TIC's. The purpose of the committees is to insure understanding by the public on technical matters relating to the exploration, drilling, and production segments of the petroleum and natural gas industry; to provide a means of communication between the local section, the industry and the communities encompassed by the local section; and to improve the industry's public relations.

The SPE Technical Information Committee researches and prepares the "TIC Facts" feature that appears monthly in JPT and the bimonthly information sheet, "Comments on the Energy Picture", which is distributed to local section TIC chairmen, media representatives, and government and civic officials. The Committee is also involved in sponsoring a series of "Community Relations" nights at local sections in conjunction with the Society's Distinguished Lecturer program.

NEW SECTIONS

Three new sections were added to the Society during 1974. The Aberdeen Petroleum Section officially became a part of the SPE-AIME organization in July, 1974, and the Stavanger Petroleum Section and the United Arab Emirates Section were officially admitted to the Society in October, 1974.

SECTION VISITATION

SPE President Donald G. Russell, President-Elect Edward E. Runyan, and members of the Society's Headquarters staff visited 23 sections during 1974. Officers from 50 of the Society's sections attended Regional Officers Conferences in 1974 where SPE staff members, officers, and directors met to discuss Society operations. The Society also sponsored a Section Officers Workshop at the SPE 49th Annual Fall Meeting which was attended by 60 officers representing 40 SPE local sections.

FINANCE

The Society's consolidated income for 1974 totaled \$1,585,931 representing an increase of \$257,764 over the total for 1973. Income exceeded expenses by \$184,271.

HEADQUARTERS STAFF

The Society's Headquarters staff consisted of the following persons as of December 31, 1974:

David L. Riley, Executive Director
Corky Barth, Secretary

Dan K. Adamson, General Manager
Glenda Snow, Secretary

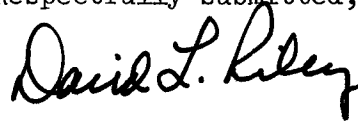
Richard C. Vilven, Manager-Administrative Services
Betty Newcomb, Senior Bookkeeper
Janice Pace, Junior Bookkeeper
Susan McHam, Membership Secretary
Dee Brint, Data Supervisor
Pamela Butler, Receptionist
Judy Thompson, Order Supervisor
M. C. Sirles, Mail Clerk, Printer

Douglas L. Ducate, Manager-Meetings, Assistant General Manager
Don Starcke, Exhibits Sales Manager
Jack Cozier, Advertising Sales Manager
Karen Lee, Meetings Secretary
Cathy Jones, Advertising and Exhibits Secretary

Tom Sullivan, Manager-Technical Services, Editor
Georgeann Bilich, Assistant Editor
John C. Rash, Assistant Editor
Ann Gibson, Production Manager
Sandra Duvall, Special Publications Supervisor
Barbara Dray, Programming Secretary
Rebecca Baker, Publications Secretary

Sherry Anderson, Manager-Communications and Public Relations
Frances Deuser, Communications Secretary

Respectfully submitted,



David L. Riley
Executive Director

REPORT

of the

WAAIME

During the year it was the privilege of the President of WAAIME to visit seventeen Sections and to revisit one Section in recognition of 50 years of dedication to WAAIME. In addition she was guest of the Arizona Section of the AIME at their Annual Meeting held in Tucson, December 1974. During the year, one Section was dissolved; one new Section was given a charter; another group of women are in the final process of forming a Section. Both of the new Sections are in the State of West Virginia. A tremendous amount of time and effort is involved in carrying out the various WAAIME projects in addition to the fund raising for the Sections' local scholarships and for the national scholarship program. The members of WAAIME are to be commended for their dedication; their work and enthusiasm insures WAAIME to continue to be an interesting and productive organization.

During 1974, the Newsletter has undergone a period of transition. We are now operating and printing from Pittsburgh, Pennsylvania. Six issues were printed; January, February-March, April May, October and November. The Newsletter editor works directly with each Section during the year, insuring the Section that information important to their specific location is carried. For the first time a picture was used and there will be more pictures in the future. The new format has proved successful and we are most proud of our exclusive masthead.

The members of the WAAIME continue to show ingenuity, versatility and dedication in the functioning of the Engineers for Tomorrow programs. Their goal is the same--to interest young people in careers in the earth sciences--however, each Section must devise a program that will best suit its community's needs, but be within the resources of its Section. A large number of the Sections participate in their area science fairs--a good way to reach the scientifically oriented student. In addition, many of the EFT committees work with the schools in providing metals and minerals kits, speakers, films, field trips and career guidance material. Some of these EFT projects are cooperative efforts with AIME Sections, and the help of the men of these Sections is greatly appreciated. This past year WAAIME's Engineers for Tomorrow was the recipient of a \$10,000 endowment fund, the Isabel and Lorin Kemp Memorial Fund.

The WAAIME Scholarship Loan Fund Committee processed and granted 49 scholarships in 1974, totaling \$68,000.00. 34 students who

were attending school on WAAIME Scholarships graduated in 1974. From the inception of the Scholarship Loan program to January, 1974, awards have been granted to 736 students in the amount of \$852,582.00.00.

In the National Chest programs the Sections continued their wide and varied Philanthropic work. Local scholarships are given by several groups. Others give assistance in drug programs, nursing homes, hospitals and homes for the retarded. Financial donations aid many worthy local and national groups. The National Chest Fund was not used in 1974 but stands ready when there is a disaster in the mining world.

The National Library Committee reports that the Sections have continued to supply books and magazines to schools, colleges and universities, to hospitals, state and local, to clinics, nursing homes, orphanages and to Children's and Veteran's hospitals. One Section gave books to Alaska and another sent books to Peru. Many Sections had programs for money raising for new books for schools and libraries. One group is studying the feasibility of stocking a mining room at their new library as a Centennial Project. Another Section supports a book mobile for a hospital. Members supply magazines as teaching aids for a Children's hospital where 210 retarded children receive daily training for placement in public schools. Another Section supplied and delivered 2,200 magazines, 625 hardback books, 425 paper back books, 240 National Geographic magazines, 45 jigsaw puzzles, 20 decks of playing cards and 15 records to hospitals, rehabilitation centers and schools.

During 1974 four new Endowment Funds were added to the WAAIME portfolio:

ISOBEL AND LORIN KEMP MEMORIAL FUND, an Engineers for Tomorrow Endowment Fund was established with a bequest by the late Lorin W. Kemp. Mr. Kemp was educated at the University of Nevada. He began his mining career in mines, mills, plants and laboratories in Nevada and California. In 1914 he joined the Chile Exploration Company and went to Chuquicamata, Chile, where he remained until 1936. He became Assistant General Manager in 1923. In 1936 he was transferred by Anaconda to their Raritan copper works in New Jersey where he served as General Manager until his retirement in 1956. Mr. Kemp became an AIME Legion of Honor member in 1964. Mrs. Kemp was a member of the New York Section from 1937 until her death in 1960. Their daughter, Mrs. Richard R. Zundel, has been a member of the New York Section since 1949 and was appointed to the WAAIME National Board of Directors in 1966. She has been active in the Engineers for Tomorrow programs both on the local and National levels.

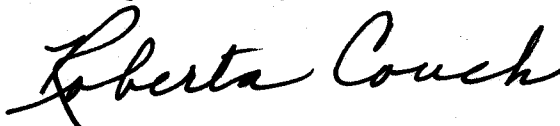
MARGOT HOWELL MEMORIAL SCHOLARSHIP LOAN FUND was established by the South Dakota-Northern Black Hills Section. Mrs. Frank M. Howell joined the Auxiliary in 1955 as a member of the South Dakota-Northern Black Hills Section where she served as Chairman of the Section. In 1967 she transferred to the California-Northern Section. She was active in the Auxiliary until her death in 1971.

HARRIET ROOT AYER MEMORIAL SCHOLARSHIP LOAN FUND was established with a bequest by Mrs. Ayer. Mrs. Ayer joined the Auxiliary in 1930 when she lived in Morenci, Arizona and became a member of the New York Section in 1940. She was an active member of the New York Section, and was voted an Honorary member of that Section just prior to her death in December 1973.

KATHLEEN WHITE MEMORIAL SCHOLARSHIP LOAN FUND. This Fund was established at the request of the Texas-Houston Gulf Coast Section of WAAIME with the proceeds from the 58th. WAAIME Annual Meeting held in Dallas, Texas, in February 1974. The Texas-Houston Gulf Coast Section was hostess for this meeting and it has been a WAAIME policy for the hostessing Section of the Annual Meeting to allocate the proceeds to any of the Auxiliary's funds or programs. Mrs. White was a charter member of the Houston Section when it was formed in 1965, became its first Scholarship Chairman and was Chairman of the Section in 1967. Mrs. White died in May 1971.

WAAIME Endowment Funds now number forty-one, -- thirty-seven Scholarship Loan Funds, two Administrative Funds, one Chest Fund and one Engineers for Tomorrow Fund. During 1974 generous contributions were received from Sections, members and friends to be added to the principal of several other of our named Endowment Funds.

Respectfully submitted,



Mrs. G. Robert Couch
National President
Woman's Auxiliary to the AIME

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