

SME



A Member Society of AIME
SAN FRANCISCO SECTION

SME / S.F. Section
P.O. Box 26645
San Francisco, CA
94126-6645

Meeting Location:
(See Directions & Hyperlink)

Lakeview Club
Kaiser Building, 28th Floor
300 Lakeside Drive
Oakland, CA 94612
(510) 271-4115

MAY MEETING ANNOUNCEMENT

Wednesday, May 10, 2000

JERRITT CANYON GOLD MINE

An Overview of the Historic, Current and Future Operations

Presented by
Tom Rice, Senior Mine Engineer
AngloGold

Jerritt Canyon is a medium sized gold operation located about 50 miles north of Elko, Nevada. It is a joint venture between AngloGold (70% and Operator) and Meridian Gold (30%). Annual production is approximately 350,000 ounces.

Exploration began in the mid-1970's and mining started at Jerritt Canyon in 1980. Over 6 million ounces were produced from the district over the past 20-years. Standard open-pit mining methods were used exclusively until 1995. Then a combination of open pit and underground mining was done until this past November. All near known surface ore has been mined from Jerritt Canyon leaving only underground mining.

Currently ore is produced from three underground mines with a fourth mine in development. All the mines are declines from surface. The mining methods are underhand drift and fill, underhand stope and fill, and bench and fill. Milling is currently done with a fluid bed roaster. The ore is very carbonaceous and the roaster is used to burn off carbon and sulfur. The gold is then recovered using carbon in leach method with a dore bar as the final product.

Tom Rice

Tom Rice is a Sr. Mine Engineer for Underground Mine Operations at AngloGold Jerritt Canyon Joint Venture. He has been at Jerritt Canyon for nine years in the capacity of Sr. Engineer and Chief Engineer for Surface Mining. He transferred to the Underground Department this past December when Surface Mining was completed.

Tom received his Bachelors degree from Colorado School of Mines in December of 1982. He worked three years at Inspiration Copper Company in Miami, Arizona. He transferred to Nevada and has worked at three Gold Mines for the past 14 years. He is active in mining education programs in Nevada with the Nevada Mining Association. Tom is married to Diane and has two children.

EXECUTIVE COMMITTEE OFFICERS:

CHAIRMAN	Steven Young	(925) 974-7272
VICE-CHAIR, PROGRAMS	Russ Browne	(510) 239-9000
VICE-CHAIR, COMMUNICATIONS	Orlando Mauricio	(925) 284-3346
SECRETARY - TREASURER	Bo-Kyong Kim (Bo)	(415) 474-2668
GOVERNMENT, EDUCATION & MINING (GEM)	Jennifer Coats	(415) 749-3243
STUDENT RELATIONS	Andrew Frazier	(707) 441-1498

Please note that this meeting will be held at our traditional location, the *Lakeview Club*, located in downtown Oakland. See the attached map (HyperLink) for the location. Please call in your reservation to the SME voice mail at (415) 675-9930 by 12:00 Noon on Monday, May 8, 2000. SME gladly accepts personal checks or cash, but can not accept credit cards. *We hope to see you there!*

Social Time / Cocktails	5:30 PM	Local Members	\$32.00
Dinner	6:30 PM	Nonmembers/Guests	\$35.00
Presentations	7:00 PM	Students	\$13.00

Message from the Chairman

We had great turnout during last month's meeting featuring Eleanor (Lee) Swent, Professor Douglas Fuerstenau, and Willa Baum of the UC Berkeley Regional Oral History Office. We were very pleased to present Volume VI of the Knoxville/McLaughlin Mine Project during the April .

During the May meeting, we will be electing new Board Members for the 2000-2001 year. The current nominations include:

- Chairman – Russ Browne
- Vice-Chair, Programs – Steve Young
- Vice-Chair, Communications – Larry Bradfish
- Secretary-Treasurer – David Disbrow
- GEM – Joe Hanzel
- Student Affairs – Andrew Frazier

This month's meeting will be our final meeting for the 1999-2000 season. I want to thank all the members and guests who attended our meetings throughout the year. We had some fantastic attendance during many of our meetings and I feel it shows that our industry is still alive and active in the Bay Area. I also want to thank all the Section Board Members who volunteered their time and efforts to make this an exciting year. Your efforts are greatly appreciated!

There will be no meetings from June through August 2000. Our first meeting for the 2000-2001 season will be held in September 2000. You should receive a newsletter prior to that meeting.

I look forward to seeing all of you next year. Have a great summer!

Earth Day at NASA-Ames Research Center

Earth Day was celebrated this year a few days early on Thursday, April 20, 2000, at NASA-Ames Research Center so that hundreds of employees at the Center could participate in the day long event before they departed for the Easter holiday weekend. The theme this year was "Strive to Sustain", with emphasis on alternative and renewable energy. Speeches were given throughout the day about New Energy for a New Era, and Technologies for a Better World.

There were exhibits in and around the Moffett Training and Conference Center representing many environmental issues with a special awareness about electric vehicles such as automobiles, bicycles and scooters. In addition, there were booths for companies who sell alternative electrical power, and representatives from local city, and county environmental agencies, and the federal Environmental Protection Agency (EPA) and General Services Administration (GSA).

The Society for Mining, Metallurgy and Exploration (SME), Government, Education and Mining (GEM) Program was represented at a very strategic location by the SME- San Francisco Section GEM Committee. Thanks to Joe Hanzel, an employee at NASA-Ames Research Center and member of SME, the GEM booth was able to inform people about the benefits of minerals in our daily lives and dispel myths about mining. It was an excellent opportunity to inform NASA-Ames employees about the mining industry's commitment to the environment and how the SME has formed the Environmental Division to that end, and uses the GEM Committee to educate and inform the public and schools about our need to use the earth responsibly and to recycle at every opportunity.

Many Earth Day participants visited the GEM booth and were able to view minerals and coal close-up with plastic hand loupes. The visitors were reminded that until other inexpensive electrical energy sources are found, coal will be the prime energy source to produce electrical power in the near future in the U.S. This was the first time for some of the adult visitors to see, pick-up and handle coal. Many were not aware of coals' importance to American society and the world economy. A comment that is heard on a regular basis at GEM Committee events throughout the country was also heard at the NASA-Ames Earth Day, "I didn't know we still mine and use coal in the U.S."

WE NEED YOUR HELP!

Please Volunteer!

LAST YEAR THE SME- SAN FRANCISCO SECTION'S GOVERNMENT, EDUCATION AND MINING (GEM) PROGRAM, EDUCATION OUTREACH, HAD AN EXHIBIT ABOUT MINERALS AND MINING AT THE MATH, SCIENCE AND TECHNOLOGY AWARENESS FAIR AT THE HENRY J. KAISER CONVENTION CENTER IN OAKLAND, CALIFORNIA. THIS YEAR THE FAIR WILL BE TUESDAY AND WEDNESDAY, MAY 16 & 17, 2000, 8:30 AM TO 4:00 PM.

WE NEED VOLUNTEERS FROM THE MINING, CONSTRUCTION AND ENVIRONMENTAL INDUSTRIES IN THE BAY AREA TO HELP MAN OUR BOOTH FOR HALF DAY AND FULL DAY ASSIGNMENTS. IT IS VERY EASY TO TRAVEL TO THE KAISER CONVENTION CENTER, AT 10TH AND FALLON STREETS, BY TAKING BART TO THE LAKE MERRITT STATION AND A SHORT TWO BLOCK WALK TO THE CENTER.

Volunteers will receive free coffee, rolls and bagels, free lunch and a free, "If it can't be grown, it has to be mined," T-shirt provided by the SME- San Francisco Section. The Fair will also give free T-shirts to all participants.

If you would like to volunteer, please contact Joe Hanzel at (650) 604-0265, Fax (650) 604-2112, or E-mail at- jhanzel@mail.arc.nasa.gov.