



WASHINGTON, DC SECTION

SME A Member Society of the American Institute of Mining, Metallurgical, and Petroleum Engineers

<http://www.smenet.org/> and <http://www.miningusa.com/sme/dc/>

2005-2006

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GOVERNMENT, EDUCATION, MINERALS (GEM) AND STUDENT RELATIONS

William E. Brooks
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COUNCILORS

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LUNCHEON MEETING - Tuesday, September 13, 2005

Where: **Pier 7 Restaurant, 650 Water Street, SW, Washington, DC**
(within walking distance of the Waterfront Metro on the Green Line)
Free parking with validation from Pier 7 Restaurant.

Speaker: **Dr. William Earl Brooks, Mineral Commodity Specialist**
U.S. Geological Survey, Reston, VA

Topic: Mercury Recycling

Reclamation and recycling of mercury from used mercury-containing products and treatment of byproduct mercury from gold mining is vital to the continued, though declining, use of this metal. Mercury is reclaimed from mercury-containing waste by treatment in multistep, high-temperature retorts—the mercury is volatilized and then condensed for purification and sale. Some mercury-containing waste, however, may be landfilled, and landfilled material represents loss of a recyclable resource and a threat to the environment. Related issues include byproduct mercury production from gold processing, end-uses, materials flow, mercury disposal and waste management, toxicity and human health, and regulation of mercury releases in the environment.

Mr. Brooks received his Ph.D. in geology from the University of Washington in 1982 and has worked as a research geologist with the U.S. Geological Survey in Denver, and now as a mineral commodity specialist (mercury, arsenic, rubidium, cesium, and most recently, silver!) with the USGS in Reston. As a consultant, he has also worked on international coal, minerals exploration, and metals-related archaeology projects, mainly in South America. He taught geology at Metro State in Denver, CO and at George Mason University in Fairfax, VA where he developed and taught a Geology 101 class for northern Virginia law enforcement officers. He has over 25 years experience in geological field studies and minerals exploration in the western U.S., Mexico, and Central and South America and has published over 100 abstracts, consultant reports, maps, and papers.

Please R.S.V.P. before 12:00 noon, Friday, September 9, 2005, to give your meal choice.

Contact: Omayra Bermudez-Lugo, Secretary-Treasurer,
at 703-648-4946 or obermude@usgs.gov

Remember that we will bill "no-shows!"

11:30 - Social 12:00 - Lunch 12:30 - Speaker

MENU- MEAL CHOICE

Entree (choose one): 1) Medallions of New York Sirloin, 2) Breast of Chicken, 3) Broiled Filet of Sole with Scallops, or 4) Seafood Newburg with Rice Pilaf.

Served with: Mixed Green Salad; Potato du Jour; Fresh Rolls; Coffee, Tea, or Milk; and Ice Cream Log with Strawberry Sauce.

Cost including tax and gratuity: \$20.00-- Local Section Members
\$25.00-- Non-members

A reminder to look for upcoming calendar of events for our DC Section on our website:
<http://www.miningusa.com/sme/dc> Bookmark this site!