

All are invited to attend the monthly meeting of the
Nittany Mineralogical Society
Wednesday, February 15, 2012 - Program at 8:00 p.m.
116 Earth & Engineering Sciences Building

Coal and Coal Mining

by Dr. Charles E. Miller, Jr.
Retired Geologist

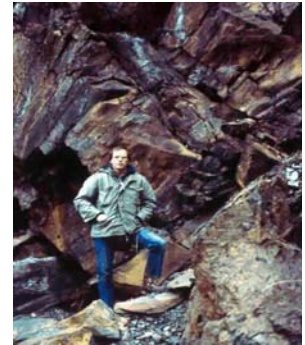
Our February meeting will be held Wednesday the 15th in the room 116 auditorium (small auditorium to the left of our usual room) of Earth & Engineering Sciences Building on the west side of the Penn State campus in State College, PA. Maps may be found on our web site.

(Junior Rockhounds: 5:00 p.m. in room 121)

6:30 to 7:30 p.m.: Social hour, refreshments in the lobby

7:30 to 8:00 p.m.: announcements, questions, answers; door prize drawings about 8:00 p.m.: featured program

The event has free admission, free parking, and free refreshments, and is open to all – Bring your friends and share an enjoyable evening.



Dr. Miller standing below a petrified (carbonized) tree trunk (center background) Bear Valley Strip Mine; Shamokin, PA.

Dr. Miller will present a wide-ranging talk with photographs and interesting stories from his extensive work with coal and coal mining. He reports that it will include:

Introduction

Our inherited legacy from old mining laws

Remining (how the State is fixing old problems)

Age of Pennsylvania's coal

How coal is formed

Peat and grades of coal

Surface coal-mining observations

Auger mining

Underclays

Blasting

Other fatalities

Other environmental effects of coal mining

Applied use of fossils in coal mining

Electroshocking

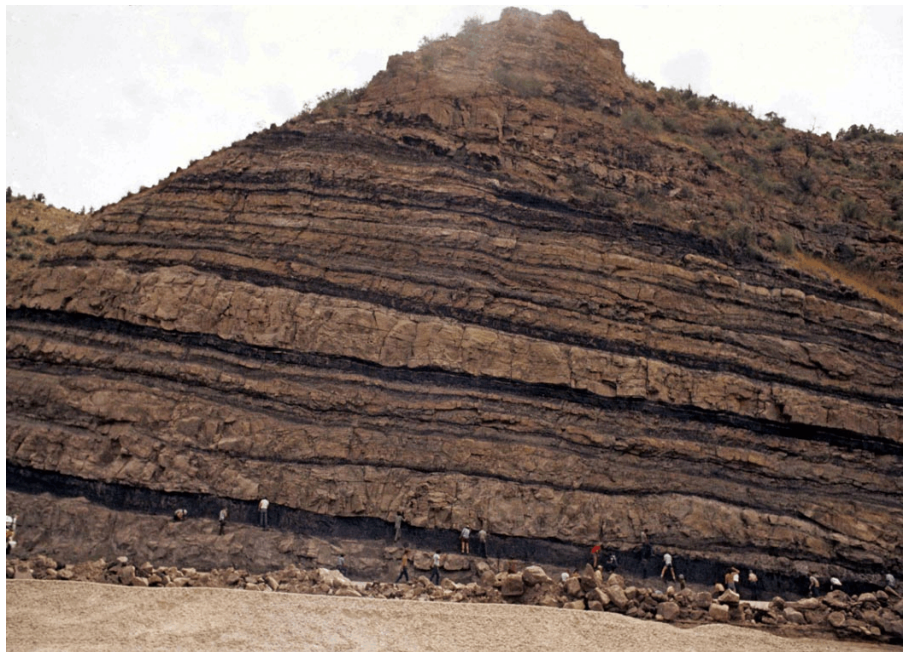
Deep (underground) mining

Mountain top removal

Paleostream analyses and a coal mine in Philipsburg

A hydrogeological investigation of a surface coal mine

The Knox Mine Disaster video



Coal beds in tongue of Mesa Verde Sandstone. Highway 6-50; Castlegate, UT.

See Dr. Miller's 3-page illustrated article in the February Bulletin on our web site: www.nittanymineral.org