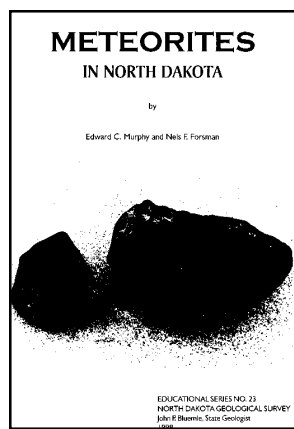

NEW PUBLICATIONS



Meteorites in North Dakota

by Edward C. Murphy and Nels F. Forsman



The 23-page report contains a general discussion on what meteorites are, how they formed, and how to differentiate between meteorites and terrestrial rocks. The eight meteorites that have been found in North Dakota are described along with photographs and information on the museums and universities around the world that house these North Dakota specimens.

Educational Series No. 23

\$2.00

Oil Exploration and Development in the North Dakota Williston Basin: 1996-1997 Update

by Thomas J. Heck



Miscellaneous Series No. 85. This publication is the most recent in a series extending back to 1979 that reviews oil industry activity and discoveries. Each issue in the series gives a short historical review of the 1980's and 1990's but focuses on the most recent two-year period.

Miscellaneous Series No. 85

\$3.00

The Coteau Lignite Bed in North-Central North Dakota

by Edward C. Murphy

The Coteau lignite can be traced over an area of at least 162 square miles in eastern Ward, southwestern McHenry, and north-central McLean counties. The Coteau bed averages 10 to 12 feet thick throughout the three-county area and reaches a maximum thickness of 22 feet in southeastern Ward County. The bed is present at an average depth of 150 feet throughout the area, but is present at a depth of 300 feet in southeastern Ward County. The 11-page report contains isopach, depth, and contour maps on the top of the Coteau bed as well as two stratigraphic cross-sections.

NDGS Open-File Report 98-2

\$2.00

Thick Coals in Dunn and Southern McKenzie Counties, North Dakota

by Edward C. Murphy and Gerard E. Goven

The thickest known lignite bed in North Dakota occurs in southern McKenzie County. This coal (the Harmon (?) Bed) is over 50 feet thick in at least four, one-square mile areas and exceeds 40 feet in thickness over 89 square miles. The Little Missouri River dissects the area underlain by the thick coal. The depth to the coal ranges from less than 400 feet to over 700 feet due to the surrounding badlands topography. The 20-page report includes an isopach, a contour map on the top of the Harmon (?) Bed, and a depth-to-coal map, along with four detailed cross-sections of southern McKenzie County. Six cross-sections through the coal-bearing strata in Dunn County are also included.

NDGS Open-file Report 98-3

\$3.00

RECENT ARTICLES authored by NDGS Staff Members

A Brief History of Clay Resources in North Dakota by Edward C. Murphy in *North Dakota History*, Spring/Summer 1998, Volume 65, Numbers 2&3, pages 2-10.

Lithostratigraphy, paleontology, and biochronology of the Chadron, Brule, and Arikaree Formations in North Dakota by John W. Hoganson, Edward C. Murphy (N.D. Geological Survey) and Nels F. Forsman (University of North Dakota) in Terry, D.O., Jr., LaGarry, H.E., and Hunt, R.M., Jr., eds., *Depositional Environments, Lithostratigraphy, and Biostratigraphy of the White River and Arikaree Groups (Late Eocene to Early Miocene)*, North America: Boulder, Colorado, Geological Society of America Special Paper 325, pages 185-196.

Paleontological appraisal of the Paleocene Bullion Creek and Sentinel Butte Formations, Theodore Roosevelt National Park, North Dakota (abstract): by John W. Hoganson, and J.M. Campbell, 1998, 5th Conference on Fossil Resource, Abstracts with Programs, Rapid City, South Dakota.

Taphonomic implications of the turtle assemblage at Ash Coulee Quarry, Sentinel Butte Formation (Paleocene), Billings County, North Dakota (abstract) by G.B. Kays, J.M. Erickson, and J.W. Hoganson, 1998, 5th Conference on Fossil Resources, Abstracts with Programs, Rapid City, South Dakota.

Fossil resource management Custer National Forest and North Dakota Geological Survey: a model of collaborative stewardship (abstract) by C. McCoy Brown, B.A. Beasley, and J.W. Hoganson, 1998, 5th Conference on Fossil Resources, Abstracts with Programs, Rapid City, South Dakota.

Partners preserving our past, planning our future: Proceedings for the 5th Conference on Fossil Resources by J.E. Martin, J.W. Hoganson, and R.C. Benton, editors, 1998, *Dakoterra*, volume 5, 143 p.

Soft-shelled turtle (*Plastomenus*) mass mortality assemblage, Sentinel Butte Formation (Paleocene), Billings County, North Dakota (abstract) by G.B. Kays, and J. W. Hoganson, 1998, *Journal of Vertebrate Paleontology*, volume 18, supplement to no. 3, p. 55A.

Correction: The web access for the Collective Bibliography of North Dakota Geology reported on page 20 of the Summer/Fall issue is wrong. The correct address is <http://dp3.lib.ndsu.nodak.edu/ndgs/> --- My apologies for any confusion this error may have caused. *Editor.*