

**NORTH AMERICAN CONTINENT - OCEAN TRANSECT PROGRAM**

**EXPLANATORY PAMPHLET FOR**

**TRANSECT E - 3, SOUTHWESTERN PENNSYLVANIA TO**

**BALTIMORE CANYON TROUGH**

This Pamphlet consists of three chapters:

**CHAPTER 1. TECTONICS OF THE CENTRAL APPALACHIAN OROGEN IN THE VICINITY OF CORRIDOR E-3; WITH IMPLICATIONS FOR TECTONICS OF THE SOUTHERN APPALACHIANS**, by Lynn Glover, III, J. K. Costain, and Cahit Çoruh, Department of Geological Sciences, Virginia Tech, Blacksburg, Virginia 24061.

**CHAPTER 2. MID-ATLANTIC CONTINENTAL MARGIN: THE MESOZOIC-CENOZOIC CONTINENT - OCEAN BOUNDARY**, by K. D. Klitgord<sup>1</sup>, C. W. Poag<sup>1</sup>, L. Glover, III<sup>2</sup>, R.E. Sheridan<sup>3</sup>, D.R. Hutchinson<sup>1</sup>, R.B. Mixon<sup>4</sup> and R.N. Benson<sup>5</sup>

1. U.S. Geological Survey, MS 999, 345 Middlefield Road, Menlo Park, CA 94025
2. Department of Geological Sciences, Virginia Tech, Blacksburg, VA 24061
3. Department of Geology, Rutgers University, New Brunswick, NJ 08903
4. U.S. Geological Survey, Reston, VA 22092
5. Delaware Geological Survey, University of Delaware, Newark, DE 19716

**CHAPTER 3. MID-ATLANTIC COASTAL PLAIN AND CONTINENTAL MARGIN: BASEMENT AND MANTLE STRUCTURE AND CONTINENT-OCEAN TRANSITION**, by R.E. Sheridan<sup>1</sup>, D.L. Musser<sup>1</sup>, W.S. Holbrook<sup>2</sup> and Lynn Glover, III<sup>3</sup>

1. Department of Geology, Rutgers University, New Brunswick, NJ 08903
2. Department of Geology and Geophysics, Woods Hole Oceanographic Institution, Woods Hole MA 02543
3. Department of Geological Sciences, Virginia Tech, Blacksburg, VA 24061