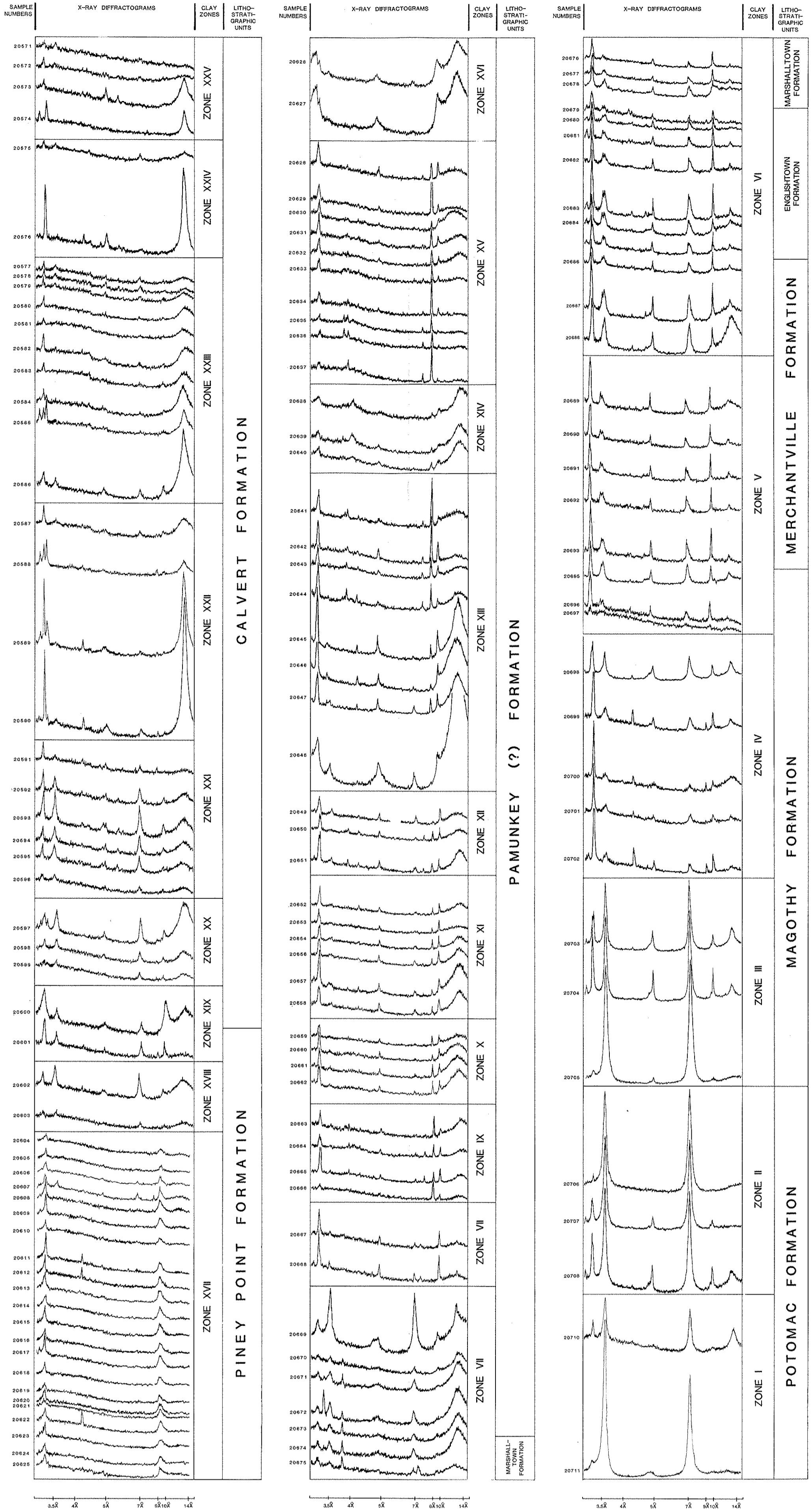


X-RAY DIFFRACTOGRAMS OF CLAY ZONES



Å - Angstroms  
 Interpretation of diffractograms:  
 14Å - Smectite, Chlorite, Illite/Smectite, Chlorite/Smectite  
 10Å - Illite, Glauconite/Smectite  
 9Å - Clinochloite-Heulandite  
 7Å - Kaolinite, Berthierine  
 4Å - Gypsum (also 7.5Å), Sulfur

Note: The precise mineral positions are in the vicinity of Angstrom values indicated above  
 Note: Diffractograms are of untreated clay-size samples only

PLATE 1. COMPOSITION OF CLAYS AND CLAY-SIZE MINERALS, Je32-04, CENTRAL DELAWARE  
 by Nenad Spoljaric  
 1988