



Fig. 19. Photographs of three vertical-column thin sections of the well cores used by Walter Dean in his studies of the Delaware basin. The strips of well core were ground thin enough for light to pass through for photographing. The light layers are anhydrite, and the dark layers calcite; thus many evaporitic couplets are seen in each column. Note the scale bar near the top. (Its total length was 10 millimeters as the photograph was taken.) The slanting lines connecting the core sections identify the same couplet in two (or three) wells. The wells, designated as "Cowden # 2, Cowden # 4, and Phillips," are approximately 6.5 and 15 miles apart, respectively, in Culberson Co., Texas. From W. E. Dean, Jr., Petrologic and geochemical variations in the Permian Castile, varved anhydrite, Delaware basin, Texas and New Mexico, Ph.D. dissertation, University of New Mexico, 1967, 326 p., Plate 3. (By permission of the author.)