

FOREWORD

This volume is the result of the efforts of the East Texas Geological Society to prepare a symposium on the Woodbine sand, the information gathered to be presented at the society's field trip. The editor volunteered to lead this trip and assist in the preparation of the publication. In the beginning, it was known that H. R. Bergquist, W. H. Monroe, and L. W. Stephenson of the United States Geological Survey, Roy T. Hazzard and others of the Shreveport Geological Society, and W. S. Adkins and the writer were concurrently engaged in Woodbine outcrop field investigations. The opportunity to assemble diverse viewpoints based on different areas was thus excellent. In the interim from 1945 to the present, the data obtained were staggering in quantity, of high quality, and left but a few areas and problems still as puzzling as ever.

The original scope of the trip and publication has been abridged and limited to the Waco area for various reasons. Within the Hill, McLennan, and Bell County outcrop and subsurface area, the stratigraphic setting of the Washita-Woodbine-Eagle Ford sequence provides many features, notably (1) discontinuity of the Buda limestone with outliers on the outcrop and the beveled, truncated western edge of the Buda in the subsurface; (2) transition from the sand-bearing facies of the Woodbine of the outcrop and subsurface north and northeast into the shale facies, the Pepper shale, of the central Texas outcrop and southeast subsurface area; and, (3) transition from the shale facies (Britton-type of Dallas and Ellis counties) of the northeast Texas Eagle Ford into the flaggy limestone-bearing Eagle Ford of central and southwest Texas.

The above features and others, when properly understood, should add greatly toward proper interpretations of the sedimentary and tectonic history of the East Texas Embayment and contiguous areas. It is hoped that criticism of ideas expressed plus further study will contribute materially to the common fund of information.

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