

(as for example, those of the low terrace) were formed as cut-and-fill terraces.

REFERENCES CITED

- ADKINS, W. S. (1932). The Mesozoic systems in Texas, in *The Geology of Texas*, vol. 1, Stratigraphy. *Texas Univ. Bull.* 3232, p. 239-518.
- BLAKEMORE, E. F., JR. (1939). Drainage controls in the Austin chalk cuesta area of Dallas, Texas. *Field & Laboratory*, vol. 7, no. 2, p. 57-66.
- DALLAS PETROLEUM GEOLOGISTS (1941). Geology of Dallas County Texas. *Field & Laboratory*, vol. 10, no. 1, p. 1-134.
- HILL, ROBERT THOMAS (1887). The Texas Section of the American Cretaceous. *Amer. Jour. Sci.*, vol. 34, p. 287-309.
- (1901). Geography and geology of the Black and Grand Prairies, Texas, with detailed descriptions of the Cretaceous formations and special reference to artesian waters. U. S. Geological Survey, 21st An. Rept. (1899-1900) Pt. VII—Texas, 666 pp.
- JOHNSON, DOUGLAS (1932). Streams and their significance. *Jour. Geology*, vol. 40, p. 481-497.
- MARCOU, JULES (1862). Notes on the Cretaceous and Carboniferous rocks of Texas. *Proceedings Boston Society of Natural History*, vol. 8, p. 86-97.
- MOREMAN, W. L. (1927). Fossil zones of the Eagle Ford of North Texas. *Jour. Paleontology*, vol. 1, p. 89-101, Pls. 13-16.
- PATTILLO, L. G., JR. (1940). River terraces in the Carrollton area, Dallas County, Texas. *Field & Lab.*, vol. 8, no. 1, p. 27-32.
- PETTJOHN, F. J. (1949). *Sedimentary Rocks*. Harper and Brothers, New York.
- RICHARDS, ARTHUR & CLAUDE C. ALBRITTON, JR. (1949). Geology of the Barnes Bridge quadrangle in Dallas, Kaufman, and Rockwall counties, Texas. *Field & Lab.*, vol. 16, no. 2, p. 65-81.
- SHULER, ELLIS W. (1918). The Geology of Dallas County. *Texas Univ. Bull.* 1818, 48 pp.
- (1935). Terraces of the Trinity River, Dallas County, Texas. *Field & Lab.*, vol. 3, no. 2, p. 44-53.
- SHUMARD, BENJAMIN F. (1860). Observations upon the Cretaceous strata of Texas. *Trans. Acad. Sci. St. Louis*, vol. 1, p. 582-590.
- STOVALL, J. W. & W. N. MCANULTY (1950). The vertebrate fauna and geologic age of Trinity River terraces in Henderson County, Texas. *Amer. Midl. Nat.*, vol. 44, no. 1, p. 211-249.
- TAFF, J. A. (1893). Report on the Cretaceous area north of the Colorado River. Geological Survey of Texas, 4th An. Rept. (for 1892), p. 241-354.

MAPS CITED

- STATE RECLAMATION DEPARTMENT (1912). Eagle Ford Sheet, Dallas County. Austin, Texas.
- (1914). Owen Crossing, Dallas County. Austin, Texas.
- (1925). Dalworth Project, Texas, (Sheet C). Austin, Texas.

Notes

CYNANCHUM barbigerum (Scheele) Shinnars, comb. nov. — *Metastelma barbigerum* Scheele, *Linnaea* 21: 760. 1848. *CYNANCHUM Palmeri* (S. Watson) Shinnars, comb. nov. *Metastelma Palmeri* Watson, *Proc. Amer. Acad.* 18: 115. 1883. (Emend. Gray, *ibid.* 21: 396-397. 1886.)

— The report of *Metastelma Blodgettii* Gray from Texas by Cory & Parks (Cat. Fl. Texas 83, 1938) has still to be verified. Their report of "*Metastelma plumosa* Small & Alexander" is apparently a *lapsus calami*; no such name has ever been published. The transfer of *Metastelma* to *Cynanchum* by Woodson (*Ann. Mo. Bot. Gard.* 28: 214-215, 1941) leaves at least two Texas species without accepted names in the enlarged genus. The above transfers are made in order to make the names available, though admittedly at the risk of later having to reduce them to synonymy under Mexican species. — *Lloyd H. Shinnars*, Director of the Herbarium, Southern Methodist University.