



Fig. 4. Sketch map of a portion of Cooke County showing the locations of stations T-48-2, T-48-6, and T-48-7. (49-T-)

Sta. T-48-2 (Fig. 4).—Lower 15 feet of the Kiamichi formation in a northward-facing bank of a stream tributary to Elm Fork of Trinity River, 300 feet east of Myra-Lindsay road one mile² southwest of St. Peter's Church, Lindsay. Three samples of the fissile black shale were collected and spotted from the section given in the Univ. Texas Bull. 2710, p. 22, and the holotype of *Trochammina depressa*, n. sp., was chosen from this locality.

Sta. T-48-6 (Fig. 4).—Kiamichi exposure along south bank of Dry Elm Creek, a tributary of Elm Fork of Trinity River, 200 feet south of roadside park and concrete highway bridge at distance 9 miles east of Gainesville courthouse on Gainesville-Muenster road (US 82-Texas 5),³ 3.4 miles east of Lindsay.

Sta. T-48-7 (Fig. 4).—Goodland exposure along north bank of Elm Fork of Trinity River, 2.6 miles south of the MKT railway station of Myra. Two samples were taken, one from blue sandy shale near the stream bed level just below and east of the old steel highway bridge; the other from blue shale and brown clay about 300 yards west of the road and about 20 feet below the top of the section as given in Univ. Texas Bull. 2710:16.

Gainesville Brick Pit, an unworked pit
southeast of Gainesville. (Loc. HTL-81,
Loeblich and Tappan, J.P., vol.20, p.240,
1946.) ^{measured sec. on}

Type locality for--

- 35-5,6 x Ammobaculoides gainesvillensis Loeblich & Tappan (J.P., vol.20, p.244, 1946)
36-13 x Triloculina meotica Loeblich & Tappan (idem, p.247)
36-14 x Ophthalmidium amplexans Loeblich & Tappan (idem, p.250)
36-15,16 x Ophthalmina scariosa Loeblich & Tappan, (idem, p.251)
37-14,15 Eponides stilbius Loeblich & Tappan (idem, p.255)
37-16,17 x Epistomina lacunosa Loeblich & Tappan (idem, p.256)

Plummer 8Va 274)

Kiamichi fm.

49-T-6
(Cooker Co.)

Lower 15' of Kiamichi fm. in a
N-facing bank of a tributary to
Blue Fk. of Trinity R., 300' E. of
Myra. Lindsay rd, 1 mi. SW. of
St. Peter's Church, Lindsay. (Map loc.
Lozo Str. T-48-2, Am. Mid. Nat.,
vol. 31, p. 522³, fig. 4, 1944.)

Type locality for —

x Brochammina depressa Lozo (Am. Mid. Nat., vol. 31, p. 552) pl. 2, fig. 4, 5

Brochammina subrotunda Tappan
(U.S. Geol. Surv., pl. 21, fig. 21, 1879)

Excellent exposure in deep road cut,
E. side Hy. 77, just S. of bridge over
Red River (Tappan Sta. HTL-57, J.P.,
vol. 17, p. 478, 1943.) (Bull. Am. Pal. 499,
p. 6, 1941)

measured section

Type locality for —

- 77-19 x Lituola serpula Tappan (J.P., vol. 17, p. 484, 1943) (Acruliammina)
 78-33 Quinqueloculina minima Tappan (J. Pal., vol. 17, p. 490, '43)
 80-10 x Taracennaria duckcreekensis Tappan (J.P., vol. 17, p. 498, '43)
 81-21 x Unicosiphonia subcretacea Tappan (J.P., vol. 17, p. 508, '43)
 81-26-28 x Dentalinopsis chapparsi Tappan (J.P., vol. 17, p. 509, '43)
~~[Wachitella typica Tappan-paratype] (J.P., vol. 17, p. 515, '43)~~
 2-47 x Palmula howi Loeblich (Tappan) (Bull. A. Pal. 499, p. 9, '41)
 x Orthogonocrinus apertus Peck, J.P., vol. 17, p. 464, pl. 76,
 figs. 2-8, 1943.

(Over)

x Plotocrinus modulatus Peck, J.P., vol. 17, p. 470,
 pl. 71, figs. 16-18, 23, 1943.

x Plotocrinus inornatus Peck, J.P., vol. 17, p. 470, pl. 71,
 figs. 6, 19-22, 1943.

Denton formation

49-T-10
(Cooke County)

Road cut on east side of U.S. Hy. 77,
2.3 miles south of south end of bridge
over Red River, where highway bends southeast.
(Loc. HTL-80, Loeblich & Tappan, J.P., vol.20,
p.240, 1946).

Type locality for --

- 35-147 x Quinqueloculina aeschiria Loeblich & Tappan (J.P., vol.20, p.246, 1946)
35-18,19 x Quinqueloculina lirellangula Loeblich and Tappan (idem, p.247)

South bank of stream, 0.9 mile south of south end of bridge over Red River, on Hy.77, and also in a road cut on east side of Hy.77 about 200 feet north of the stream crossing. (This is probably Duck Creek formation.) (HTL-77, in Peck, 1943.)

HT. Loc

J.P., vol. 17, p. 460

Type locality for --

- × Poecilocrinus spiculatus Peck, J.P., vol.17, p. 472, pl.73, figs. 6, 8, 13, 1943.
- × Poecilocrinus porcatus Peck, J.P., vol.17, p. 474, pl.72, figs.2-6, 1943.