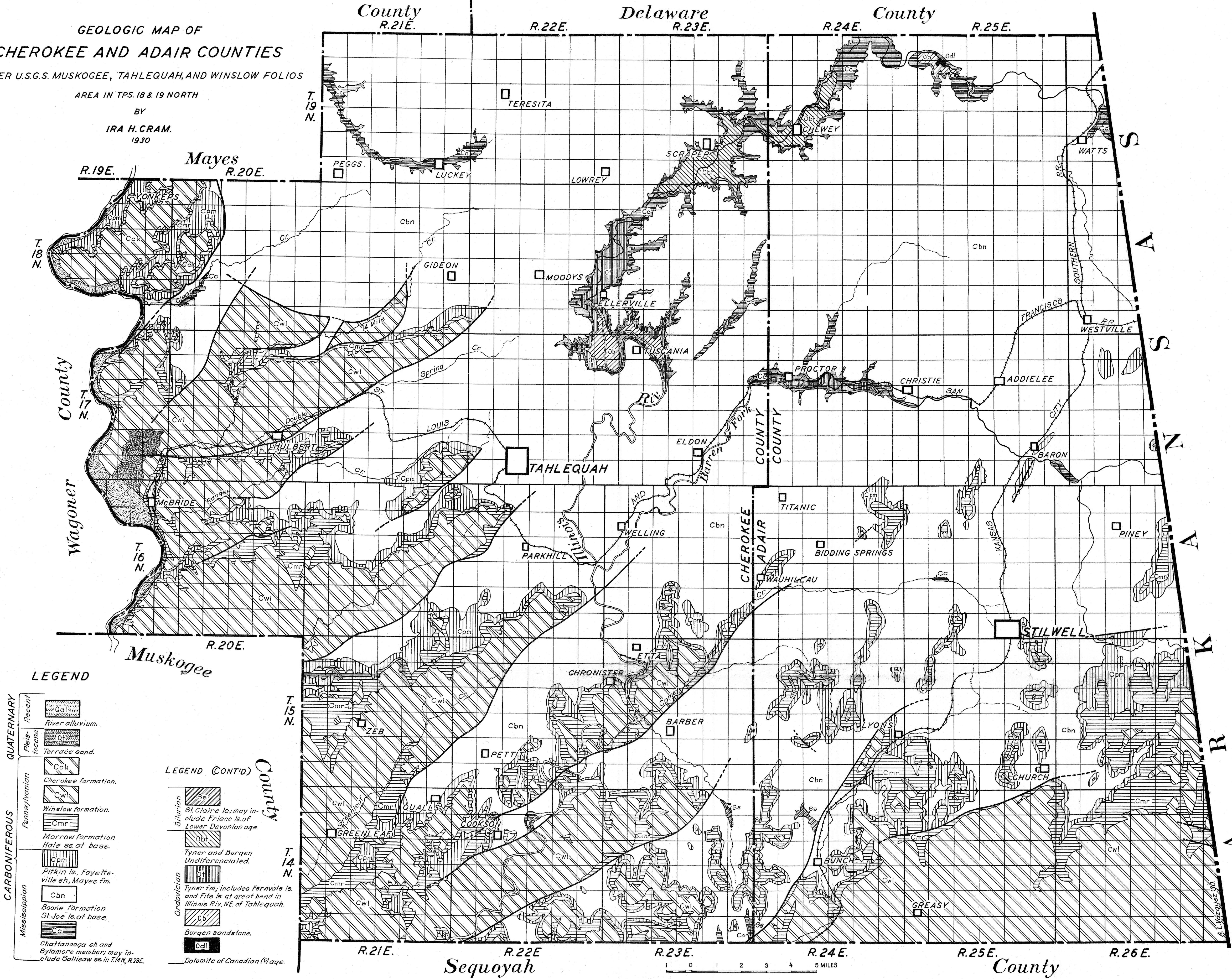


GEOLOGIC MAP OF CHEROKEE AND ADAIR COUNTIES

AFTER U.S.G.S. MUSKOGEE, TAHLEQUAH, AND WINSLOW FOLIOS

AREA IN TPS. 18 & 19 NORTH

BY
IRA H. GRAM,
1930



LEGEND

- | | | | |
|---------------|---------------|--------------------------------------|---|
| QUATERNARY | Recent | Qal | River alluvium. |
| | Pleistocene | Q | Terrace sand. |
| CARBONIFEROUS | Pennsylvanian | Cck | Cherokee formation. |
| | | Cwl | Winslow formation. |
| | Cmr | Morrow formation
Hale ss at base. | |
| | Mississippian | Cpm | Pitkin ls., Fayetteville sh., Mayes fm. |
| | | Cbn | Boone formation
St. Joe ls. at base. |
| | | Cc | Chattanooga sh. and Sylvania member; may include Gallisaw ss. in T. 14 N., R. 23 E. |

LEGEND (CONT'D)

- | | | | |
|------------|-----|---|-------------------------------|
| Ordovician | Cs | St. Claire ls., may include Frisco ls. of Lower Devonian age. | |
| | Obt | Tyner and Burgen Undifferentiated. | |
| | O | Tyner fm., includes Fernvale ls. and Fife ls. at great bend in Illinois Riv., NE. of Tahlequah. | |
| | | Ob | Burgen sandstone. |
| | | Odl | Dolomite of Canadian (?) age. |

A. L. Vazquez, 1930