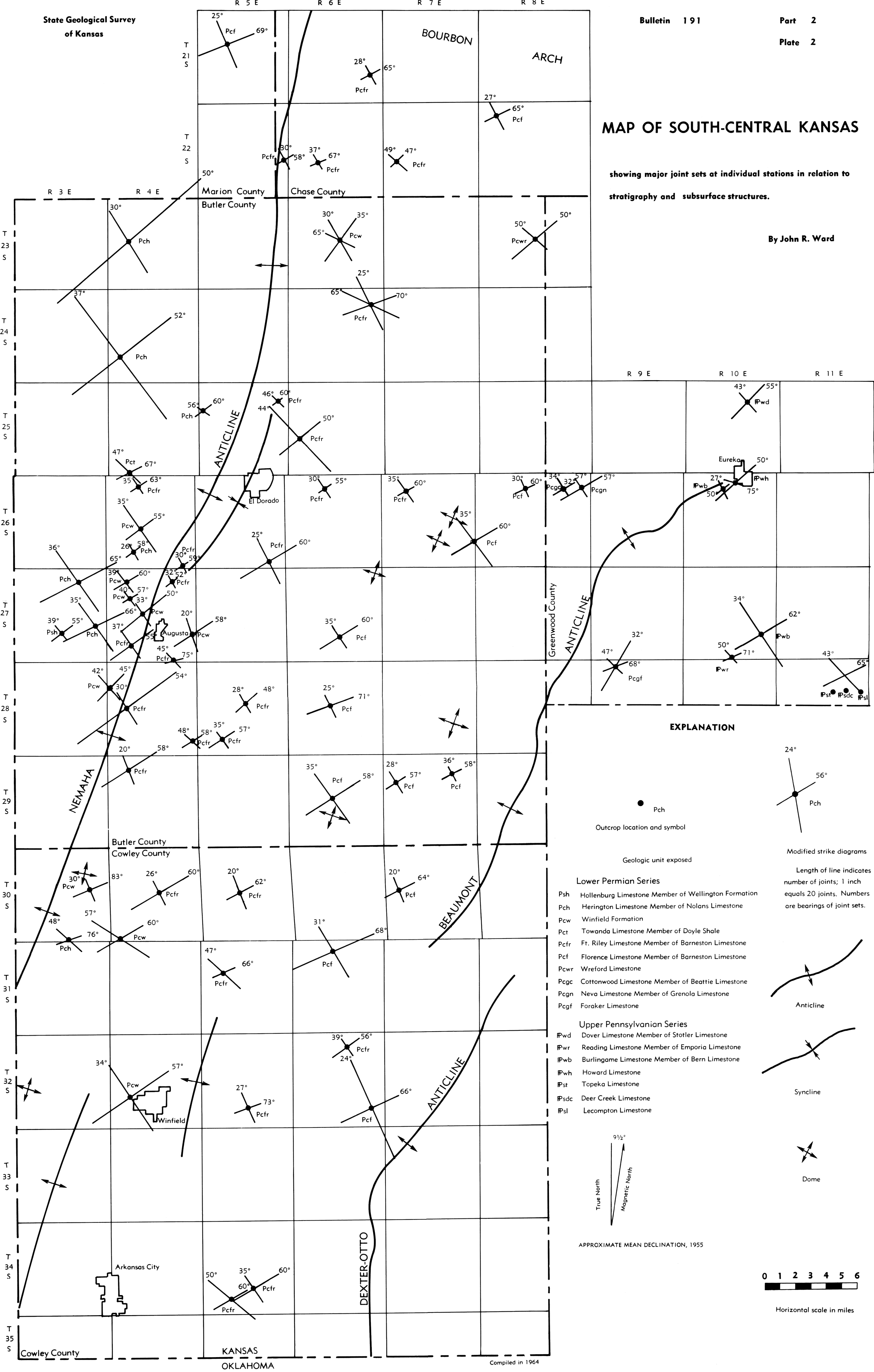


MAP OF SOUTH-CENTRAL KANSAS

showing major joint sets at individual stations in relation to
stratigraphy and subsurface structures.

By John R. Ward



EXPLANATION

● Pch
Outcrop location and symbol

Geologic unit exposed

Lower Permian Series

- Psh Hollenberg Limestone Member of Wellington Formation
- Pch Herington Limestone Member of Nolans Limestone
- Pcw Winfield Formation
- Pct Towanda Limestone Member of Doyle Shale
- Pcfr Ft. Riley Limestone Member of Barneston Limestone
- Pcf Florence Limestone Member of Barneston Limestone
- Pcwr Wreford Limestone
- Pcgc Cottonwood Limestone Member of Beattie Limestone
- Pcgn Neva Limestone Member of Grenola Limestone
- Pcgf Foraker Limestone

Upper Pennsylvanian Series

- IPwd Dover Limestone Member of Statler Limestone
- IPwr Reading Limestone Member of Emporia Limestone
- IPwb Burlingame Limestone Member of Bern Limestone
- IPwh Howard Limestone
- IPst Topeka Limestone
- IPsdc Deer Creek Limestone
- IPsl Lecompton Limestone

Length of line indicates number of joints; 1 inch equals 20 joints. Numbers are bearings of joint sets.

Anticline

Syncline

Dome

True North
Magnetic North
9 1/2°

APPROXIMATE MEAN DECLINATION, 1955

0 1 2 3 4 5 6

Horizontal scale in miles