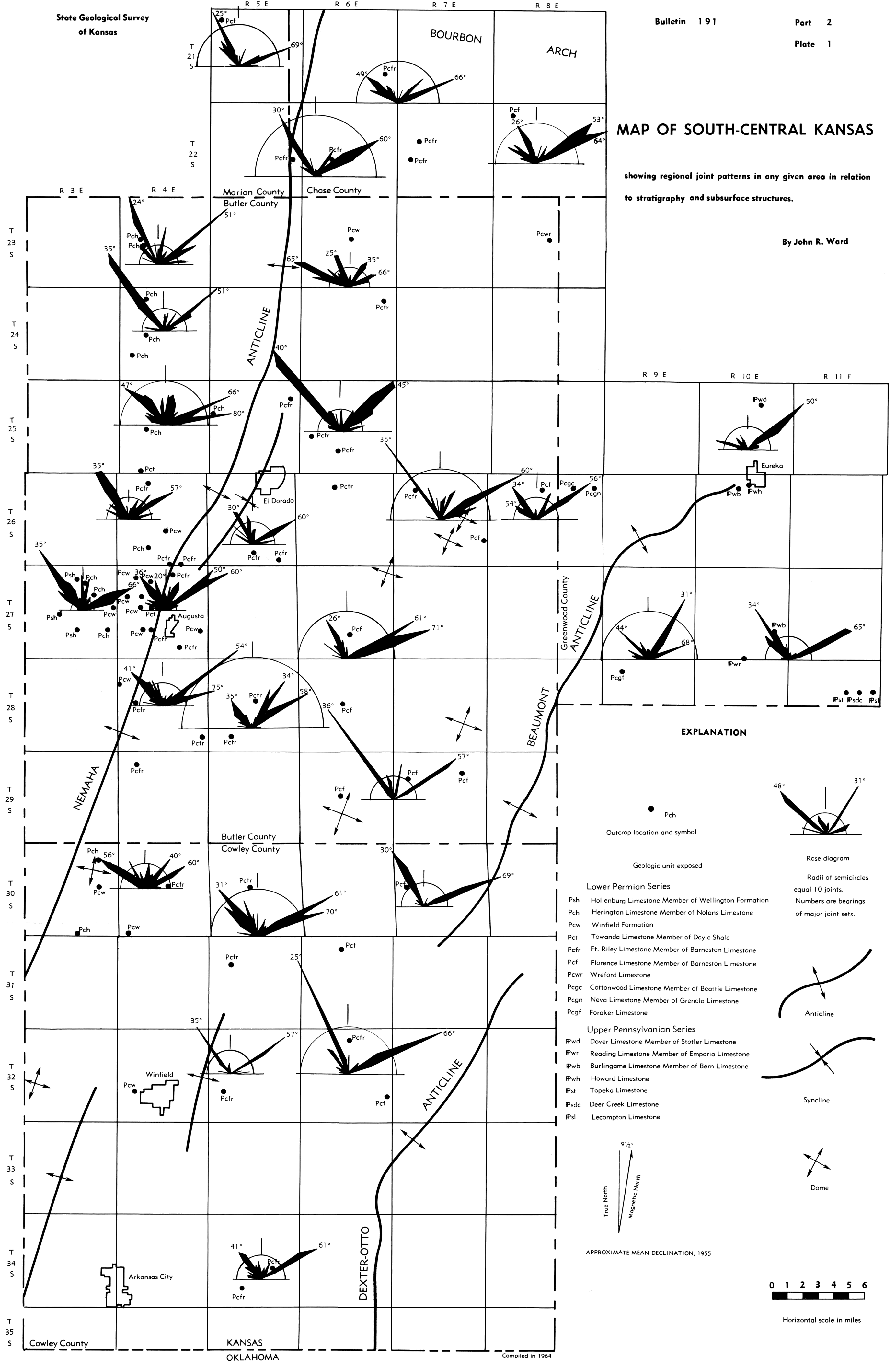


MAP OF SOUTH-CENTRAL KANSAS

showing regional joint patterns in any given area 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 Stotler Limestone
 - IPwr Reading Limestone Member of Emporia Limestone
 - IPwb Burlingame Limestone Member of Bern Limestone
 - IPwh Howard Limestone
 - IPst Topeka Limestone
 - IPsc Deer Creek Limestone
 - IPsl Lecompton Limestone
- Rose diagram
Radii of semicircles equal 10 joints.
Numbers are bearings of major joint sets.
- Anticline
- Syncline
- Dome

True North
Magnetic North
9 1/2°
APPROXIMATE MEAN DECLINATION, 1955

