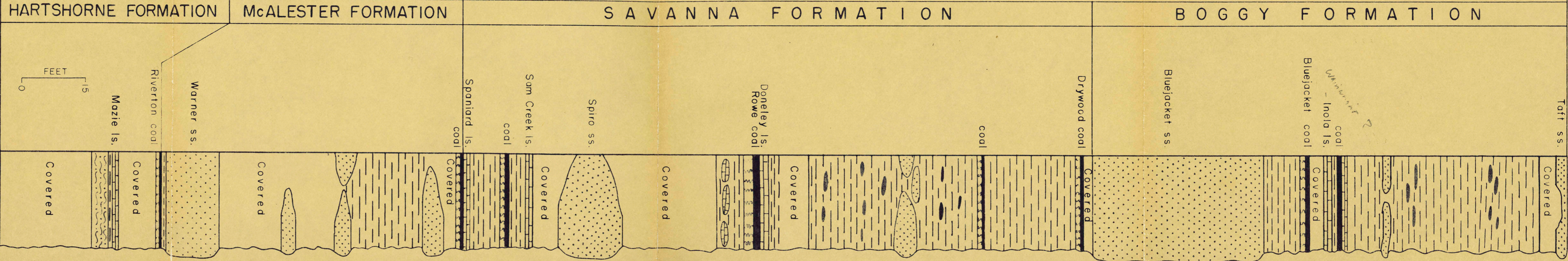


P E N N S Y L V A N I A N S Y S T E M

D E S M O I N E S S E R I E S

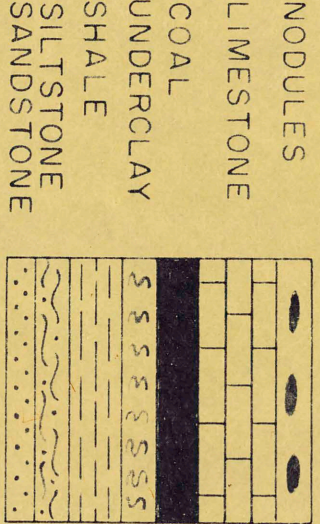
K R E B S G R O U P



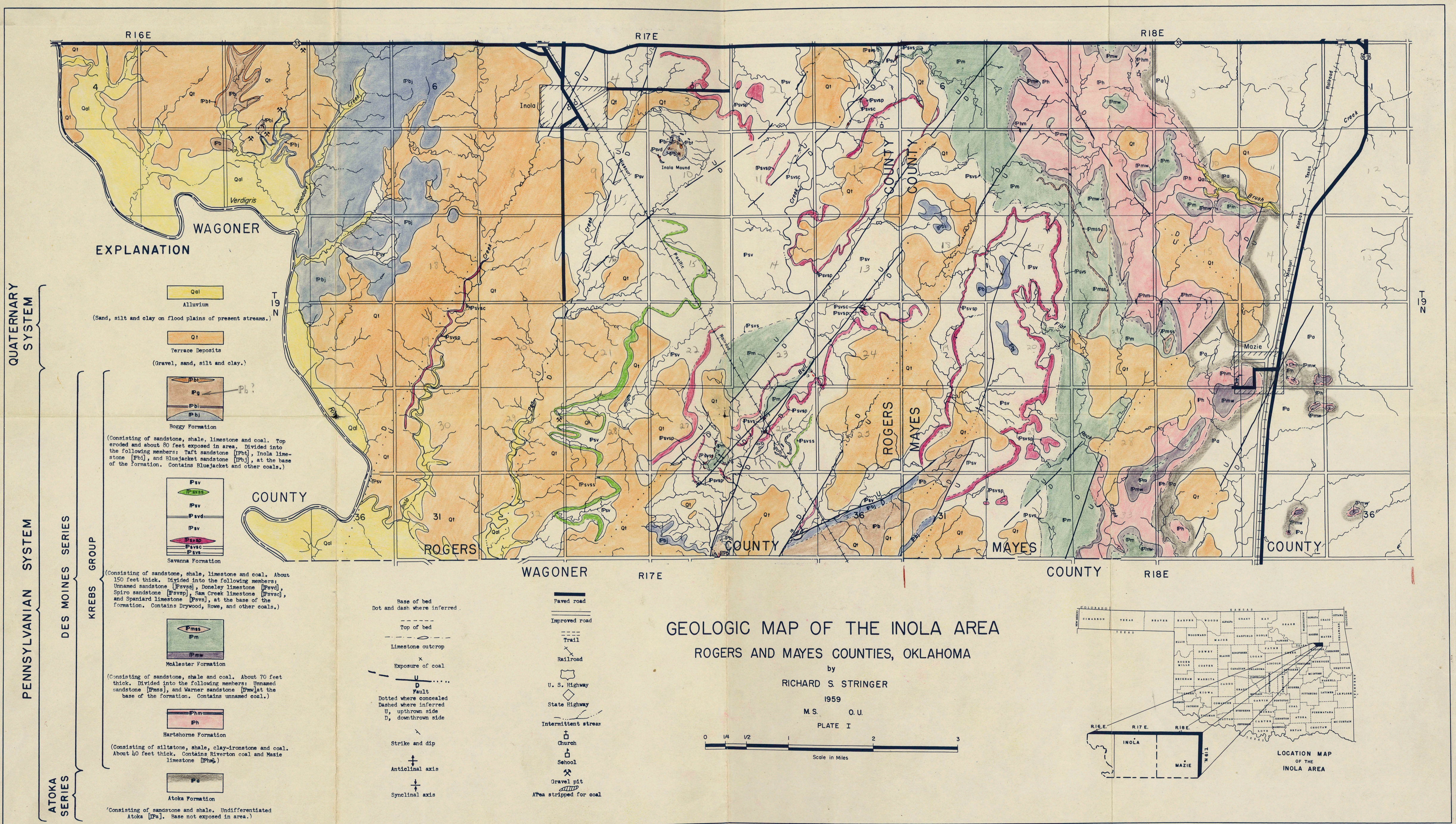
GENERALIZED COLUMNAR SECTION

OF THE
INOLA AREA

PLATE II



OKO
58567g
pl. 1
cop. 3



EXPLANATION

- QUATERNARY SYSTEM**
 - Qal Alluvium (Sand, silt and clay on flood plains of present streams.)
 - Qt Terrace Deposits (Gravel, sand, silt and clay.)
- PENNSYLVANIAN SYSTEM**
 - DES MOINES SERIES**
 - KREBS GROUP**
 - IPbi, IPg, IPbi, IPbj Boggy Formation (Consisting of sandstone, shale, limestone and coal. Top eroded and about 80 feet exposed in area. Divided into the following members: Taft sandstone [IPbi], Inola limestone [IPg], and Bluejacket sandstone [IPbi], at the base of the formation. Contains Bluejacket and other coals.)
 - IPsv, IPsvs, IPsvd, IPsv, IPsvsp, IPsvsc, IPsvs Savanna Formation (Consisting of sandstone, shale, limestone and coal. About 150 feet thick. Divided into the following members: Unnamed sandstone [IPsvs], Doneley limestone [IPsvd], Spiro sandstone [IPsvsp], Sam Creek limestone [IPsvsc], and Spaniard limestone [IPsvs], at the base of the formation. Contains Drywood, Rowe, and other coals.)
 - IPms, IPm McAlester Formation (Consisting of sandstone, shale and coal. About 70 feet thick. Divided into the following members: Unnamed sandstone [IPms], and Warner sandstone [IPm] at the base of the formation. Contains unnamed coal.)
 - IPhm, IPh Hartsorne Formation (Consisting of siltstone, shale, clay-ironstone and coal. About 40 feet thick. Contains Riverton coal and Mazie limestone [IPhm].)
 - IPa Atoka Formation (Consisting of sandstone and shale. Undifferentiated Atoka [IPa]. Base not exposed in area.)

- Base of bed (Dot and dash where inferred)
- Top of bed
- Limestone outcrop
- Exposure of coal
- Fault (Dotted where concealed, Dashed where inferred, U, upthrown side, D, downthrown side)
- Strike and dip
- Anticlinal axis
- Synclinal axis
- Paved road
- Improved road
- Trail
- Railroad
- U. S. Highway
- State Highway
- Intermittent stream
- Church
- School
- Gravel pit
- Area stripped for coal

GEOLOGIC MAP OF THE INOLA AREA
ROGERS AND MAYES COUNTIES, OKLAHOMA

by
RICHARD S. STRINGER
1959
M.S. O.U.
PLATE I

