Pray - lc - 1952
plate 2

# GEOLOGIC MAP OF THE SOUTHERN SACRAMENTO MOUNTAIN ESCARPMENT, OTERO COUNTY, NEW MEXICO

Geology by L. C. Pray

CONTOUR INTERVAL 100 FEET
SCALE 1/31,250

0 1 2 3 4 MILES
0 5000 10000 15000 20000 FEET

## LEGEND

SEDIMENTARY

| | | |
|---|---|---|
| | Qs | LANDSLIDES, TALUS, AND COLLUVIUM |
| QUATERNARY | Qal | ALLUVIUM, YOUNGER TERRACE DEPOSITS, AND SPRING DEPOSITS |
| | Qt | OLDER TERRACE DEPOSITS |
| | Ps | SAN ANDRES FORMATION |
| | Py | GLORIETA (?) AND YESO FORMATIONS |
| PERMIAN | Pau | UPPER TONGUE OF ABO FORMATION |
| | Pac | CULP TONGUE OF HUECO FORMATION |
| | Pal | LOWER TONGUE OF ABO FORMATION |
| | Ph | HOLDER FORMATION |
| PENNSYLVANIAN | Pb | BEEMAN FORMATION |
| | Pg | GOBBLER FORMATION (BUG SCUFFLE LIMESTONE LOCALLY DIFFERENTIATED |
| MISSISSIPPIAN (UPPER) | Mu | HELMS, RANCHERIA, AND LAS CRUCES (?) FORMATIONS |
| | Mc | CONA ANA MEMBER OF THE LAKE VALLEY FORMATION |
| MISSISSIPPIAN (LOWER) | Ma | ARCENTE MEMBER OF THE LAKE VALLEY FORMATION |
| | Ml | LOWER LAKE VALLEY AND CABALLERO FORMATION |
| DEVONIAN | D | READY PAY (?) MBR OF PERCHA SHALE, SLY GAP, AND ONATE FORMATIONS |
| SILURIAN (?) | S | FUSSELMAN (?) FORMATION |
| ORDOVICIAN (?) | Ov | VALMONT FORMATION |
| ORDOVICIAN (UPPER) | Om | MONTOYA FORMATION |
| ORDOVICIAN (LOWER) | Oe | EL PASO FORMATION |
| CAMBRIAN (?) | €b | BLISS SANDSTONE |
| PRE-CAMBRIAN (?) | P€ | UNNAMED CLASTIC ROCKS |

NOT DIFFERENTIATED ABOVE BASE OF ABO

IGNEOUS

| | | |
|---|---|---|
| TERTIARY (?) | Ti | UNDIFFERENTIATED INTRUSIVES |
| PRE-CAMBRIAN (?) | P€d | DIABASE |

CONTACTS
- DASHED WHERE APPROXIMATELY LOCATED
- INDEFINITE OR GRADATIONAL
- CONCEALED

FAULTS
- DASHED WHERE APPROXIMATE
- SYMBOLS U AND D FOR UPTHROWN SIDE
- $D_s$ DOWNTHROW < 100'
- $D_m$ DOWNTHROW 100-500'
- $D_l$ DOWNTHROW > 500'
- FAULT UNCERTAIN
- LOW ANGLE THRUST FAULT

FOLDS
- ANTICLINE, SYNCLINE, DASHED WHERE APPROXIMATELY LOCATED
- MINOR FOLD AXES, SHOWING PLUNGE
- STRIKE AND DIP OF BEDS
- STRIKE OF VERTICAL BEDS
- HORIZONTAL BEDS
- ATTITUDE OF JOINTS
- LOCATION OF IMPORTANT MEASURED SECTIONS