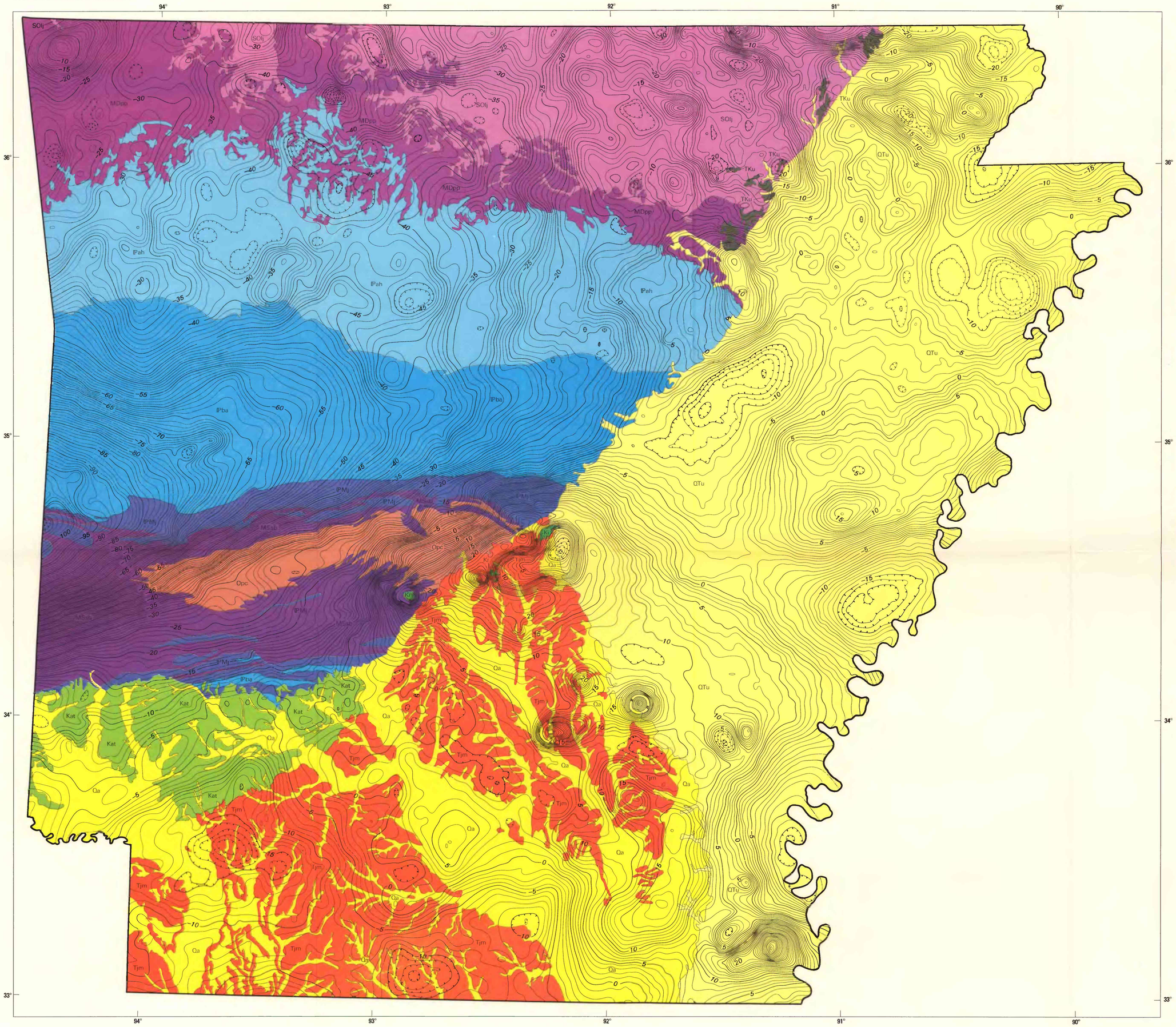

EXPLANATION

Geologic units arranged by physiographic region (plate 2)

Mississippi Embayment

- **QTu** — **Quaternary alluvial deposits from streams and terraces, dune sand, silt and sand, and loess and Tertiary Jackson, Claiborne, Wilcox, and Midway Groups undivided**

West Gulf Coastal Plain

- **Qa** — **Quaternary alluvial and terrace deposits**
- **Tjm** — **Tertiary Jackson, Claiborne, Wilcox, and Midway Groups**
- **Ki** — **Cretaceous igneous rocks**
- **Kat** — **Cretaceous Arkadelphia Marl, Nacatoch Sand, Saratoga Chalk, Marlbrook Marl, Annona Chalk, Ozan Formation, Brownstown Marl, Tokio Formation, Woodbine Formation, Kiamichi Formation, Goodland Limestone, and Trinity Group**

Ozark Plateaus

- **TKu** — **Tertiary gravel and Cretaceous sand, clay, and undivided rocks**
- **IPah** — **Pennsylvanian Atoka Formation, Bloyd Shale, and Hale Formation**
- **MDpp** — **Mississippian Pitkin Limestone, Fayetteville Shale, Batesville Sandstone, Ruddell Shale, Moorefield Formation, Boone Formation, the Mississippian and (or) Devonian Chattanooga Shale, Devonian Clifty Limestone and Penters Chert**
- **SOlj** — **Silurian Lafferty Limestone, St. Clair Limestone, Brassfield Limestone, and the Ordovician Cason Shale, Fernvale Limestone, Kimmswick Limestone, Plattin Limestone, Joachim Dolomite, St. Peter Sandstone, Everton Formation, Powell Dolomite, Cotter Dolomite, and Jefferson City Dolomite**

Arkansas Valley and Ouachita Mountains

- **Ki** — **Cretaceous igneous rocks**
- **IPba** — **Pennsylvanian Boggy Formation, Savanna Formation, McAlester Formation, Hartshorne Sandstone, and Atoka Formation**
- **IPMj** — **Pennsylvanian Johns Valley Shale and Pennsylvanian and Mississippian Jackfork Sandstone**
- **MSsb** — **Mississippian Stanley Shale, the Mississippian and Devonian Arkansas Novaculite, and the Silurian Missouri Mountain Shale and Blaylock Sandstone**
- **Opc** — **Ordovician Polk Creek Shale, Bigfork Chert, Womble Shale, Blakely Sandstone, Mazarn Shale, Crystal Mountain Sandstone, and Collier Shale**

Contact

—5— **Bouguer gravity contour**—Hachures indicate closed area of low gravity; contour interval 1 milligal

SCALE 1:1 000 000

25 0 25 50 75 100 MILES

25 0 25 50 75 100 KILOMETERS

Geology generalized from Haley and others (1976)

MAP SHOWING BOUGUER GRAVITY AND GENERALIZED GEOLOGY OF ARKANSAS