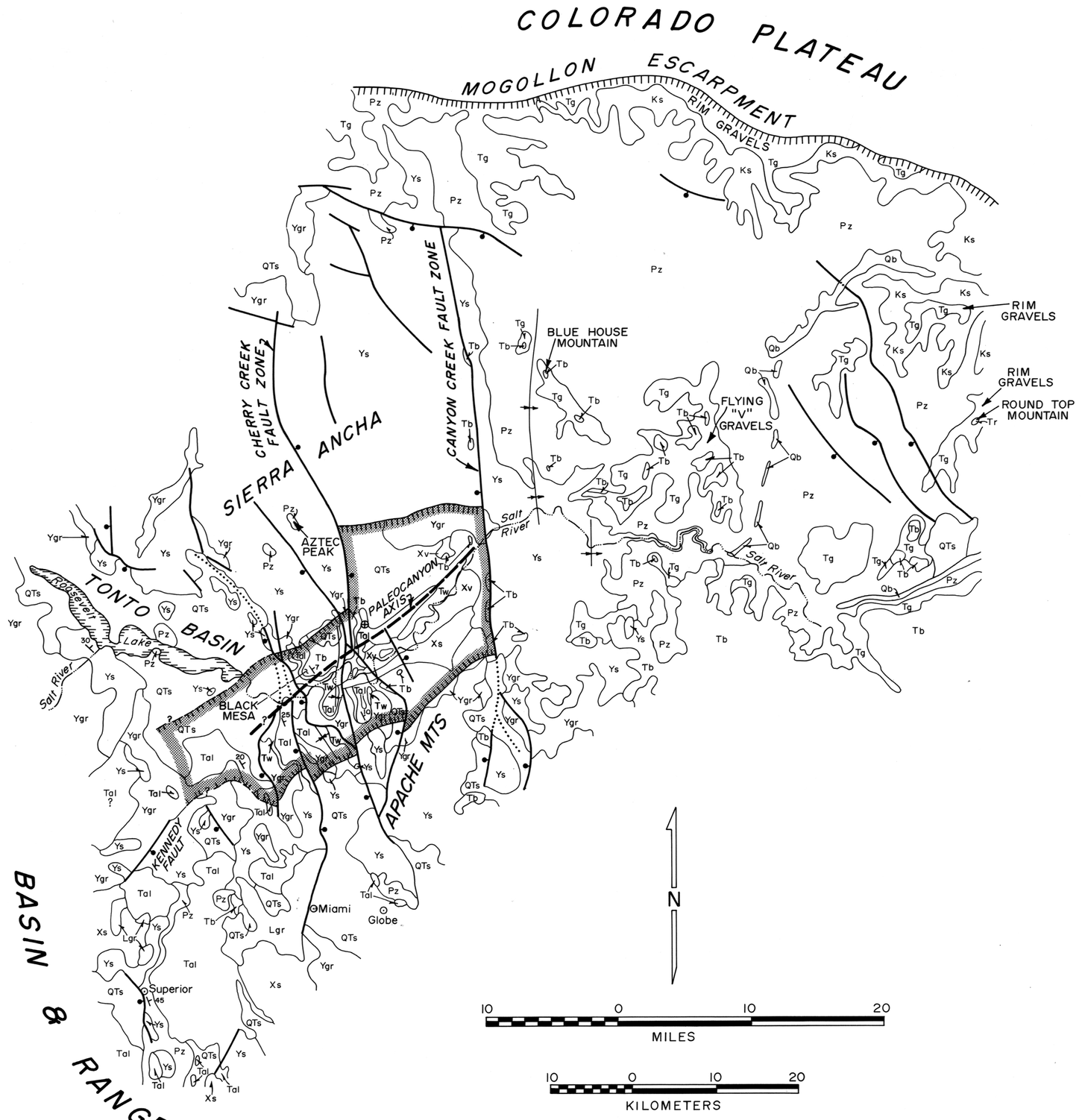
GENERALIZED GEOLOGIC MAP OF THE TRANSITION ZONE, EAST-CENTRAL ARIZONA

COMPILATION BY JAMES E. FAULDS



EXPLANATION

- Qb — Quaternary basalt.
- QTs — Mainly Miocene-Pliocene pebble to cobble conglomerate, containing subangular clasts of local derivation. Sandstone, siltstone, mudstone, and evaporites common in Tonto Basin.
- Tb — West of Canyon Creek fault - Primarily early to middle Miocene basalts and subordinate conglomerates, mudstones, and evaporites. East of Canyon Creek fault - Latest Oligocene to middle Miocene basalt.
- Tal — Primarily 20 m.y. Apache Leap Tuff; locally includes late Oligocene to early Miocene andesite and rhyolite (found only west of Canyon Creek fault).
- Tr — 28 m.y. rhyolite of Round Top Mountain.
- Tw — Oligocene - early Miocene pebble to cobble conglomerate, containing subangular clasts of local derivation (found only west of Canyon Creek fault). -- --Whitetail Conglomerate.
- Tg — Gravels of probable Eocene age, generally containing well-rounded clasts derived from southwest (found only east of Canyon Creek fault).
- Lgr — Paleocene granite.
- Ks — Late Cretaceous sandstone and shale.
- Pz — Paleozoic sedimentary rocks, including Tapeats Sandstone (Cambrian), Martin Formation (Devonian), Naco Formation (Pennsylvanian), Redwall Limestone (Mississippian), Supai Formation (Permian), and Coconino Sandstone (Permian).
- Ys — Middle Proterozoic diabase, Troy Quartzite, and Apache Group.
- Ygr — 1.4 b.y. granite.
- Xs — Early Proterozoic metasedimentary rocks.
- Xv — Early Proterozoic metavolcanic rocks.
- Fault, dotted where concealed. Bar and ball on downthrown side (showing latest movement).
- Syncline ··· Monocline
- (Axial traces of folds dotted where concealed.)
- Salt River paleocanyon.
- Erosional escarpment.

ARIZONA GEOLOGICAL SURVEY CONTRIBUTED MAP CM-89-B

(SHEET 3 OF 3)

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