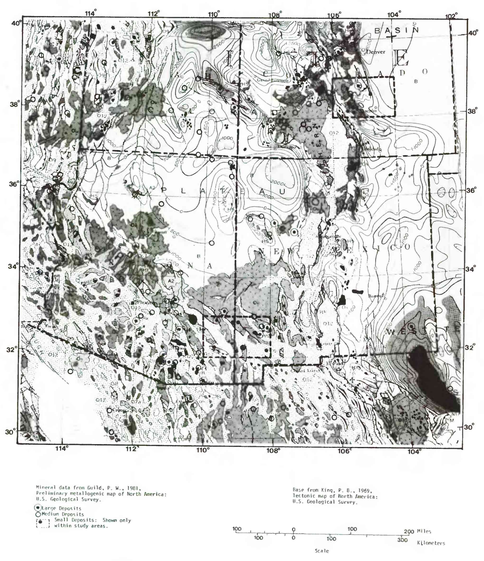

Figure 1.--Location map showing the areas of study, the Pueblo 1° x 2° quadrangle in south-central Colorado, and the Silver City 1° x 2° quadrangle in southwestern New Mexico and southeastern Arizona.

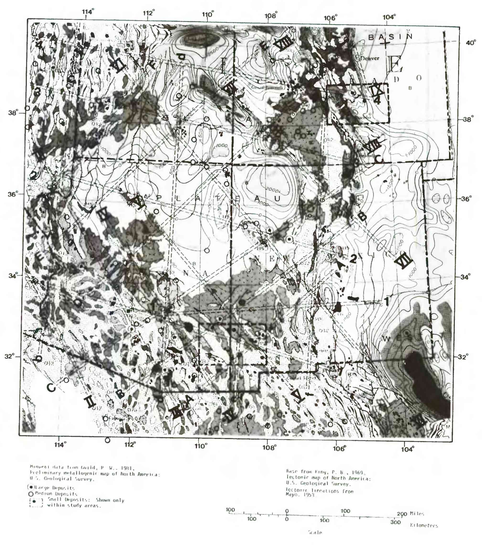

Figure 2.--Lineaments proposed by Mayo (1958).

Explanation

The figures of this plate, which are documented more fully in the accompanying text, are at a scale of 1:500,000. They are photographic reductions of the 1:250,000 - scale plates used to prepare 35-mm colored slides that have been previously presented (Klein, 1982). Selected slides that show the aeromagnetic and gravity maps illustrated below have been released in open-file form (Klein, 1983).

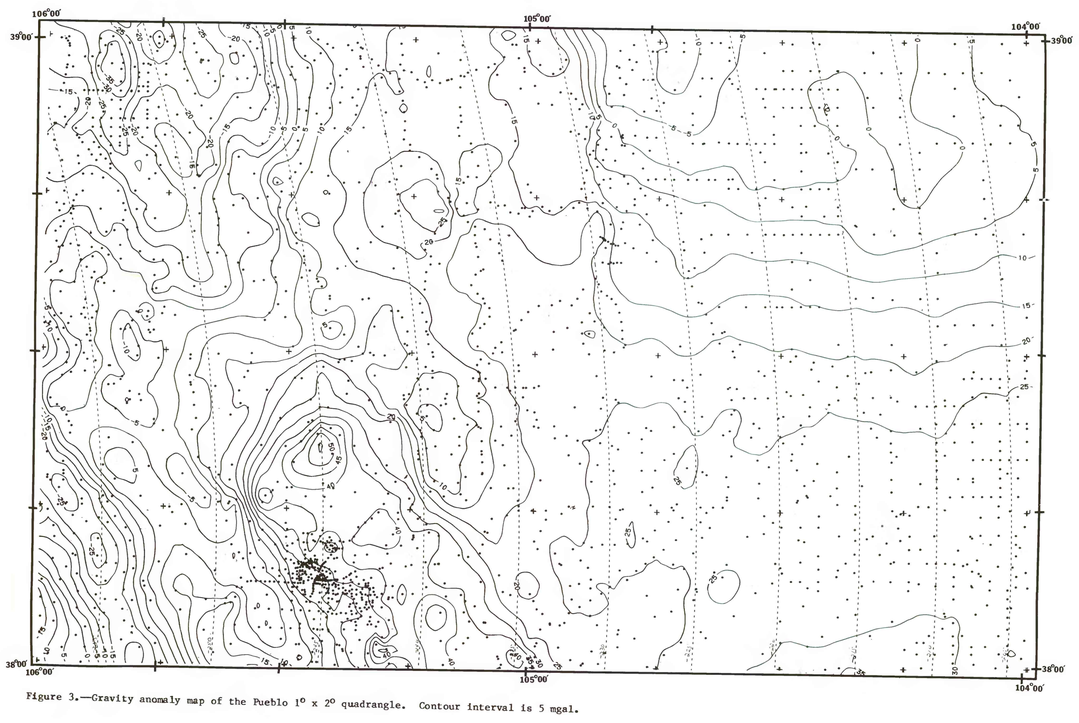

Figure 3.--Gravity anomaly map of the Pueblo 1° x 2° quadrangle. Contour interval is 5 mgal.

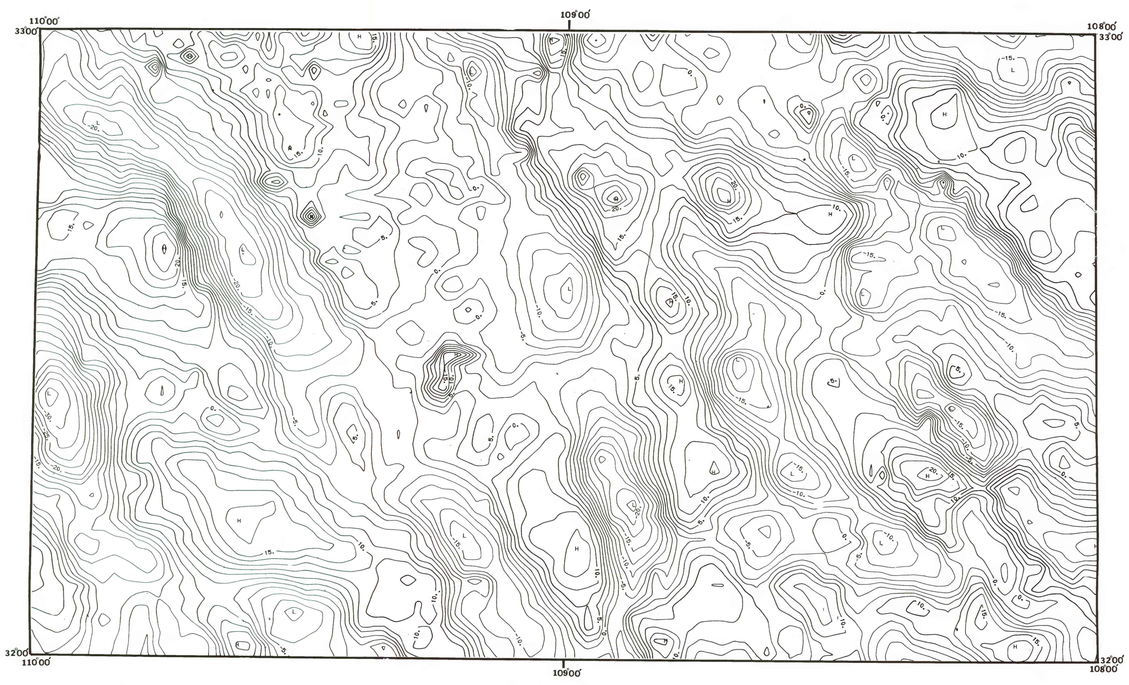

Figure 7.--Gravity anomaly map of the Silver City 1° x 2° quadrangle, Arizona and New Mexico. Contour interval is 2.5 mgal.

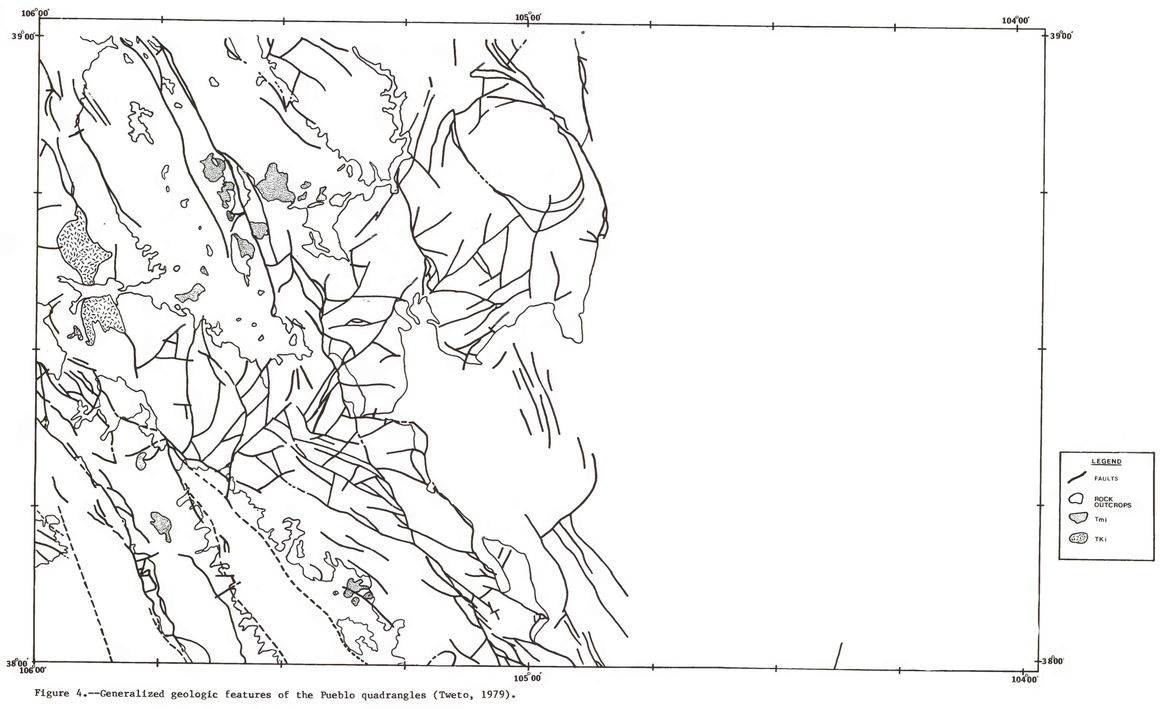

Figure 4.--Generalized geologic features of the Pueblo quadrangles (Tweto, 1979).

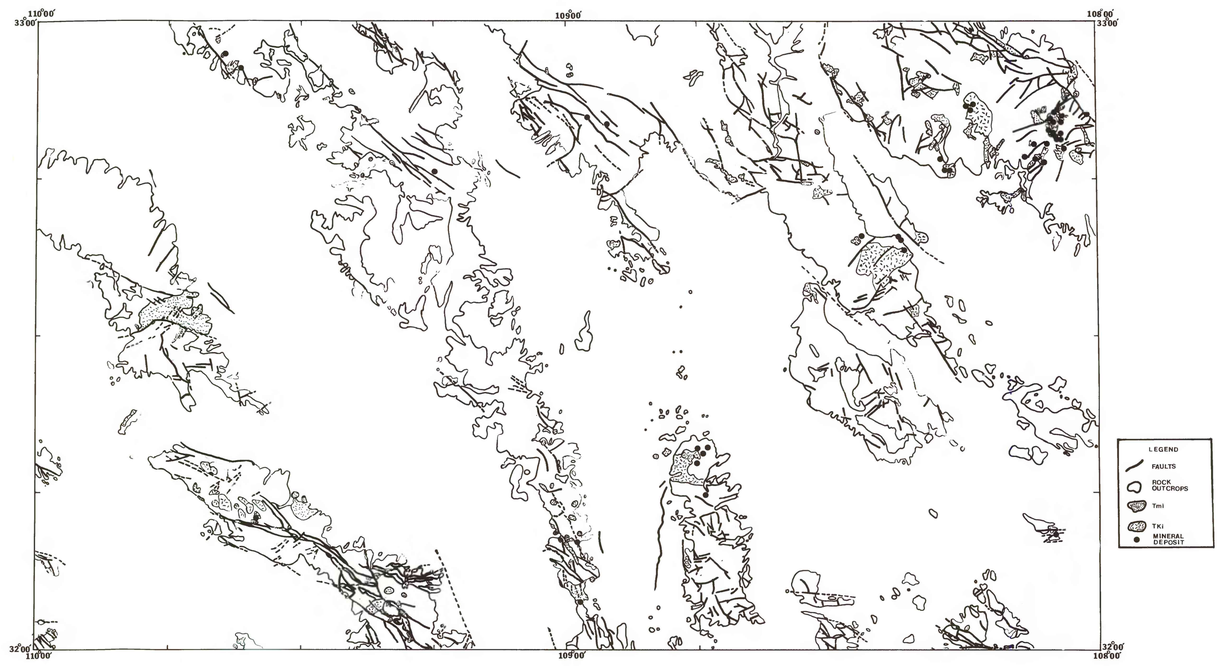

Figure 8.--Generalized geological features of the Silver City 1° x 2° quadrangle (Richter and Lawrence, in press).

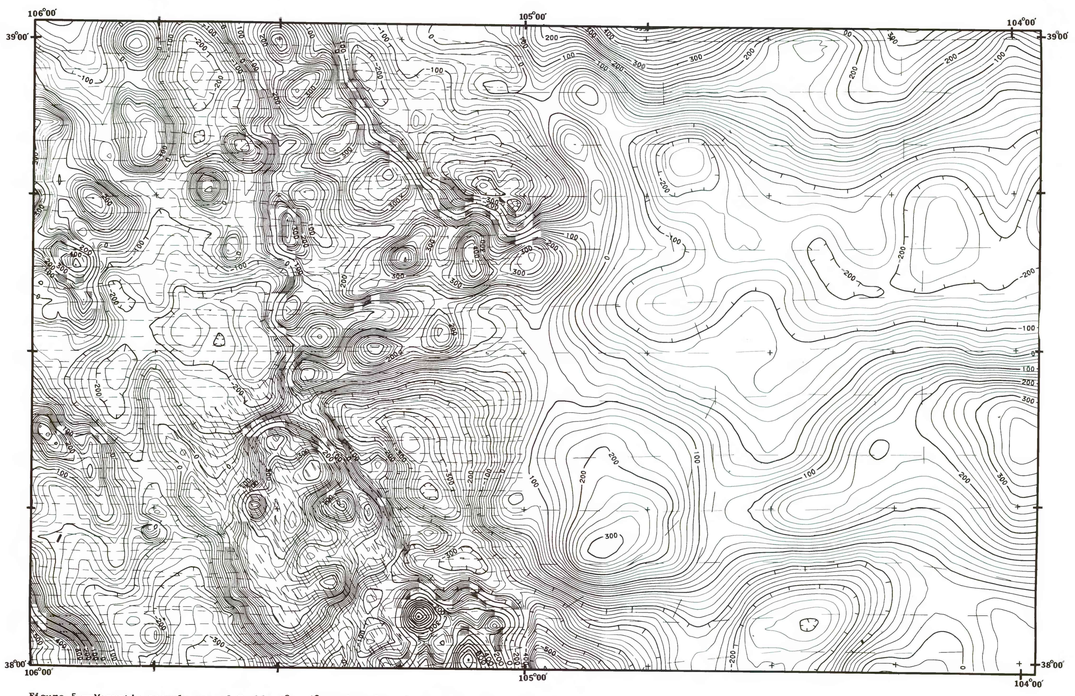

Figure 5.--Magnetic anomaly map of Pueblo 1° x 2° quadrangle. Contour interval is 20 gammas.

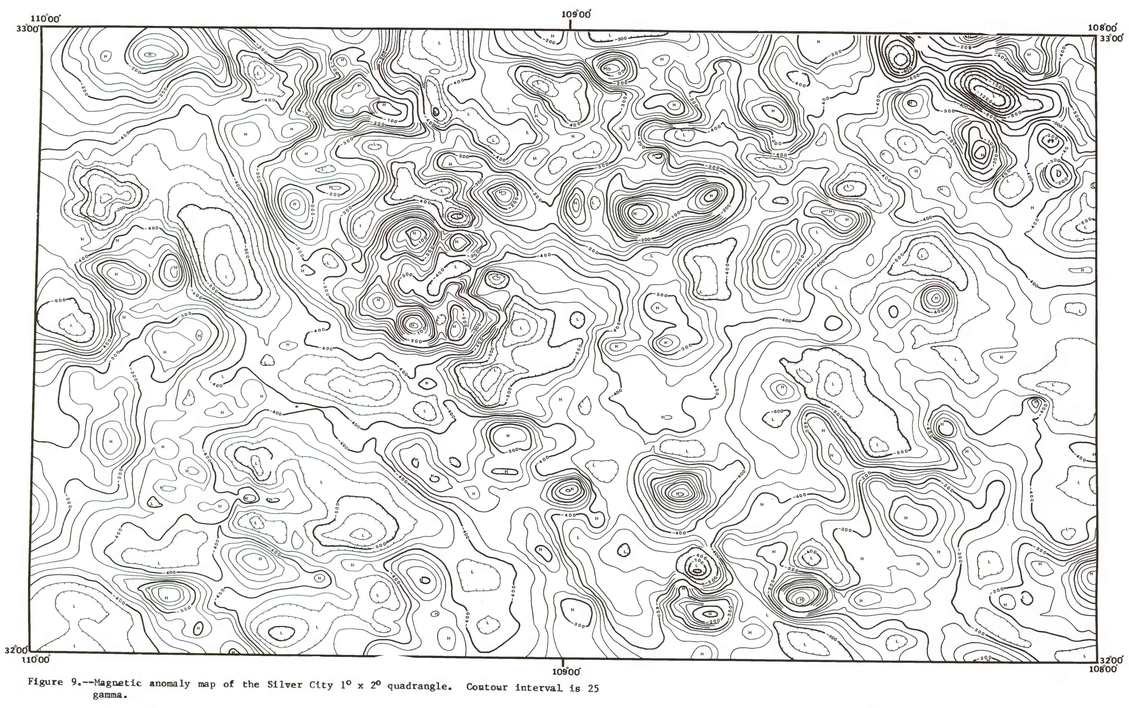

Figure 9.--Magnetic anomaly map of the Silver City 1° x 2° quadrangle. Contour interval is 25 gamma.

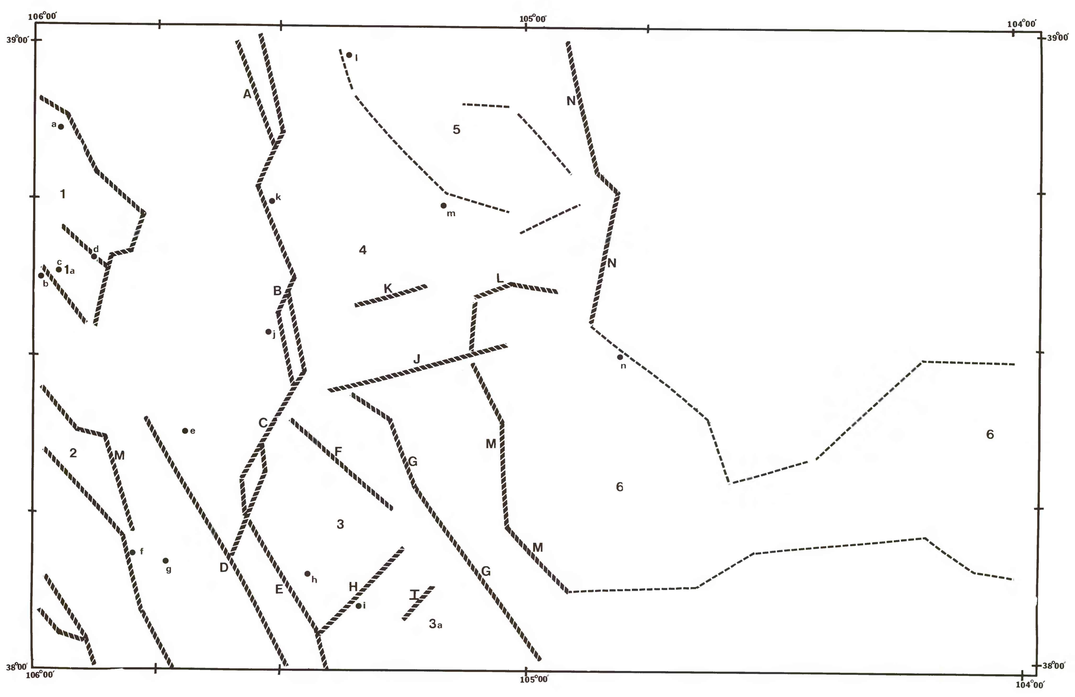

Figure 6.--Geophysically inferred structures of the Pueblo 1° x 2° quadrangle. Heavy lines generally represent inferred fault control, lighter lines represent inferred lithological contrasts. Mines are labeled with lower case letters (Table 1). Distinctive terranes (numbered) and geophysical trends (upper-case letters) are labelled.

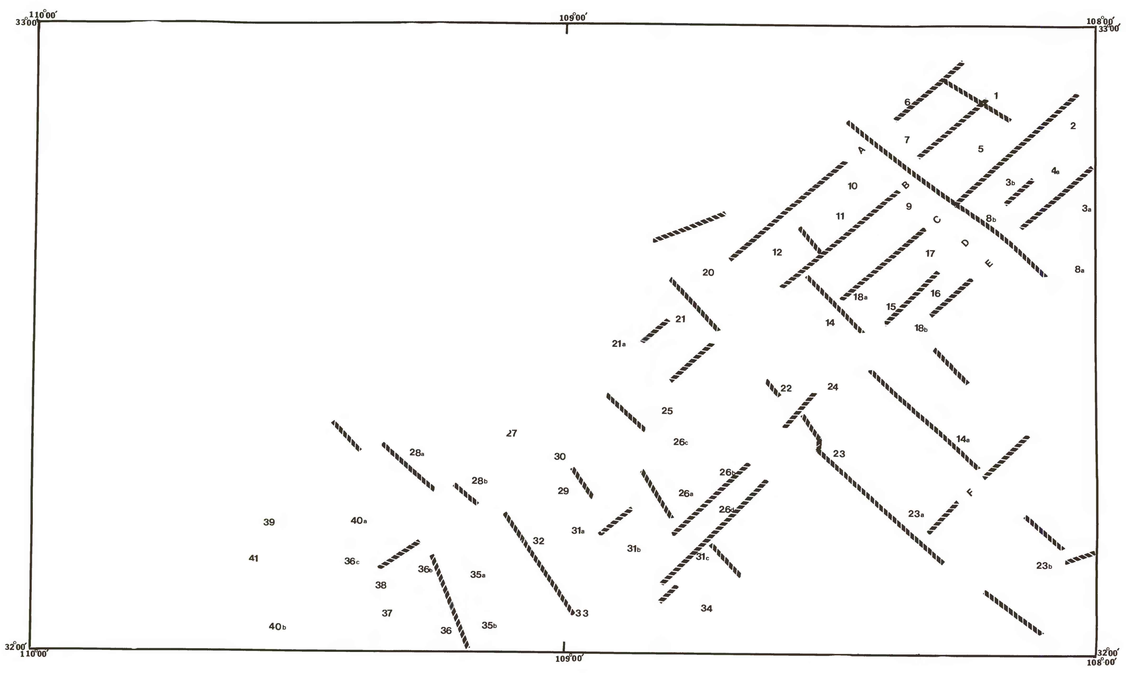

Figure 10.--Preliminary geophysically inferred boundaries in part of the Silver City 1° x 2° quadrangle. Specific geophysical anomalies are numbered; major northeast-trending geophysical features are lettered.

DESCRIPTION OF SLIDES SHOWING AEROMAGNETIC AND GRAVITY DATA FOR REGIONAL MINERAL EXPLORATION IN COLORADO, NEW MEXICO AND ARIZONA

BY

DOUGLAS P. KLEIN

1983

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards.