

DEPARTMENT OF THE INTERIOR  
UNITED STATES GEOLOGICAL SURVEY

**RECONNAISSANCE GEOLOGIC MAP OF THE ALEXANDRA  
MOUNTAINS QUADRANGLE, MARIE BYRD LAND,  
ANTARCTICA**

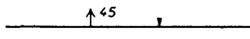
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Jerry B. Oldham**

Prepared by the  
ANTARCTIC RESEARCH CENTER, THE MUSEUM  
TEXAS TECH UNIVERSITY  
under the auspices of the  
NATIONAL SCIENCE FOUNDATION

U.S. ANTARCTIC RESEARCH PROGRAM MAP  
Published by the U.S. Geological Survey, 1977  
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**GEOLOGIC MAP SYMBOLS**  
**COMMONLY USED ON MAPS OF THE UNITED STATES GEOLOGICAL SURVEY**  
(Special symbols are shown in explanation)

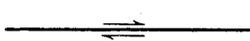
 Contact – Dashed where approximately located; short dashed where inferred; dotted where concealed

 Contact – Showing dip; well exposed at triangle

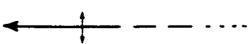
 Fault – Dashed where approximately located; short dashed where inferred; dotted where concealed

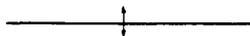
 Fault, showing dip – Ball and bar on downthrown side

 Normal fault – Hachured on downthrown side

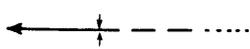
 Fault – Showing relative horizontal movement

 Thrust fault – Sawteeth on upper plate

 Anticline – Showing direction of plunge; dashed where approximately located; dotted where concealed

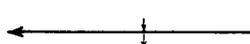
 Asymmetric anticline – Short arrow indicates steeper limb

 Overturned anticline – Showing direction of dip of limbs

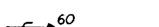
 Syncline – Showing direction of plunge; dashed where approximately located; dotted where concealed

 Asymmetric syncline – Short arrow indicates steeper limb

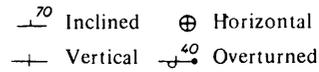
 Overturned syncline – Showing direction of dip of limbs

 Monocline – Showing direction of plunge of axis

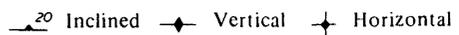
 Minor anticline – Showing plunge of axis

 Minor syncline – Showing plunge of axis

Strike and dip of beds – Ball indicates top of beds known from sedimentary structures



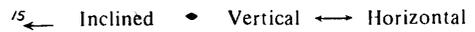
Strike and dip of foliation



Strike and dip of cleavage



Bearing and plunge of lineation



Strike and dip of joints

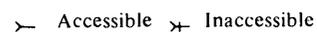


Note: planar symbols (strike and dip of beds, foliation or schistosity, and cleavage) may be combined with linear symbols to record data observed at same locality by superimposed symbols at point of observation. Coexisting planar symbols are shown intersecting at point of observation.

Shafts



Adit, tunnel, or slope



x Prospect

Quarry



Gravel pit



Oil well

