

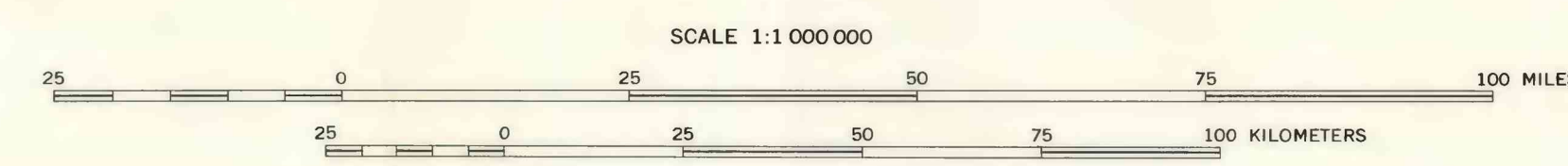
**CORRELATION OF MAP UNITS**

J1	JURASSIC(?)
J2	JURASSIC
J3	JURASSIC
Pr	PERMIAN TO LOWER PALEOZOIC
OCr	LOWER ORDOVICIAN TO UPPER CAMBRIAN (CAMBRIAN?) AND CAMBRIAN
OCr	LOWER ORDOVICIAN TO UPPER CAMBRIAN (CAMBRIAN?) AND CAMBRIAN
pCm	PRECAMBRIAN
pCm	PRECAMBRIAN
pCm	PRECAMBRIAN

**DESCRIPTION OF MAP UNITS**

J1	Diabase sills (Jurassic?)
J2	Gabbro of Dufek Massif and Forrester Range (Jurassic-166 million years)
Pr	Pecora Formation (Permian), Gale Mudstone (upper Paleozoic), Dover Sandstone (Devonian and Devonian?), and Neptune Group (middle to lower Paleozoic)
OCr	Granitic rock of Thiel Mountains (granite of Median Snowfield, Paloczok) and Neptune Range (Lower Ordovician to Upper Cambrian) - Coarse-grained biotite-granitic rock in large plutons and smaller associated bodies
OCr	Rhyolite porphyry sills (Lower Ordovician to Upper Cambrian) - As thick as 300 meters and as wide as 8 kilometers across
Cr	Wiens Formation (Cambrian?), Gambacorta Formation (Cambrian?), and Nelson Limestone (Cambrian) - Shale, limestone, rhyolite flows, volcanic breccia, pyroclastic deposits, and detrital sandstone and conglomerate
pCp	Patuxent Formation (Precambrian)
x x x x	Dark-gray sills
- - - -	Dark-gray basalt flows
pCm	Quartz monzonite porphyry (Precambrian) - Age relationship to Patuxent Formation unknown
pCm	Clastic sedimentary rocks of low-grade metamorphism (Precambrian) - Flat lying and thin bedded. Age relationship to Patuxent Formation unknown
—	Rock outcrop
—	Contact
—	Fault - U, upthrown side; D, downthrown side. Arrows indicate relative horizontal movement
—	Bouguer anomaly - Contour interval 10 and 20 milligals
—	Bouguer anomaly station
—	On rock outcrop
5 - 1237	At seismic reflection station on ice sheet - Queries refer to uncertainty due to questionable reflections
5	Seismic reflection station number for Pensacola Mountains project only
-467	Bouguer anomaly, in milligals
1237	Snow-surface elevation, in meters
8307	Bedrock elevation, in meters
*1275 (100)	Uncertain seismic reflection - Snow-surface elevation over bedrock elevation, in meters, determined from gravity data
—	Source of data
—	Manfred Hochstein (written commun., 1966)
—	Behrendt (1967a), adjusted to Pensacola Mountains elevation control of 1965-66
—	Deep seismic reflection profile

Base from American Geographical Society



**BOUGUER ANOMALY AND GENERALIZED GEOLOGIC MAP OF THE PENSACOLA MOUNTAINS AREA, ANTARCTICA**

Bouguer anomaly map by John C. Behrendt, William Rambo, and Laurent Meister. Geology generalized from Schmidt and Ford (1969) and D. L. Schmidt (unpub. mapping).