

NOTES ON BASE
This is one sheet in a series of topographic map sheets covering that part of the surface of Mercury that was illuminated during the Mariner 10 encounters (Davies and Batson, 1975). The source of map data was the Mariner 10 television experiment (Murray, 1975).

ADOPTED FIGURE
The map projections are based on a sphere with a radius of 2439 km.

PROJECTION
The Mercator projection is used for this sheet, with a scale of 1:5,000,000 at the equator. Latitudes are based on the assumption that the spin axis of Mercury is perpendicular to the plane of the orbit. Longitudes are positive westwards in accordance with the usage of the International Astronomical Union (IAU, 1971). Meridians are numbered so that a reference crater (too small to show at this scale) named Hun Kal (lat 0.6° S) is centered on long 20° (Murray and others, 1974; Davies and Batson, 1975).

CONTROL
Planimetric control is provided by photogrammetric triangulation using Mariner 10 pictures (Davies and Batson, 1975). Discrepancies between images in the base mosaic and computed control point positions appear to be less than 2 km.

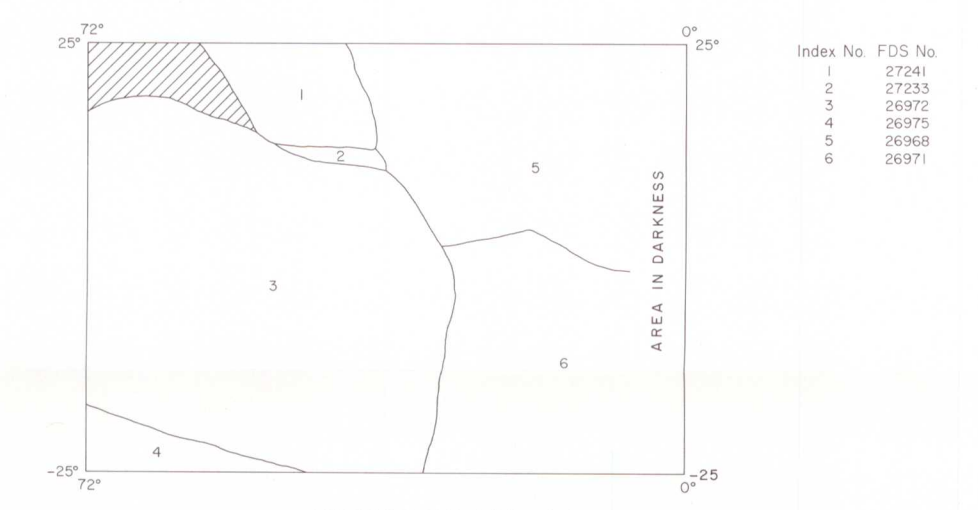
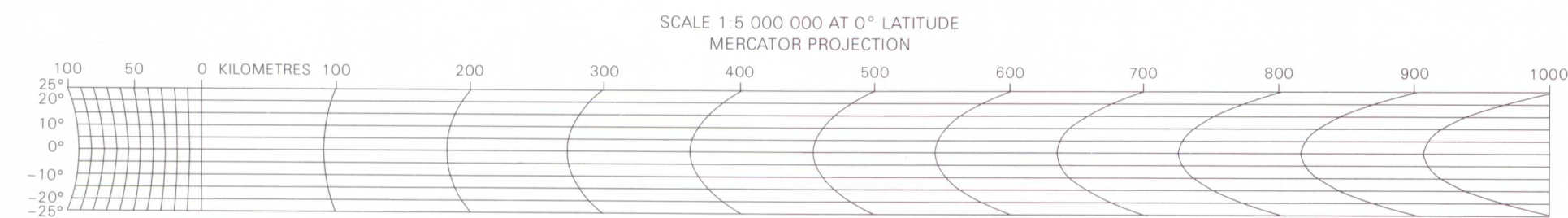
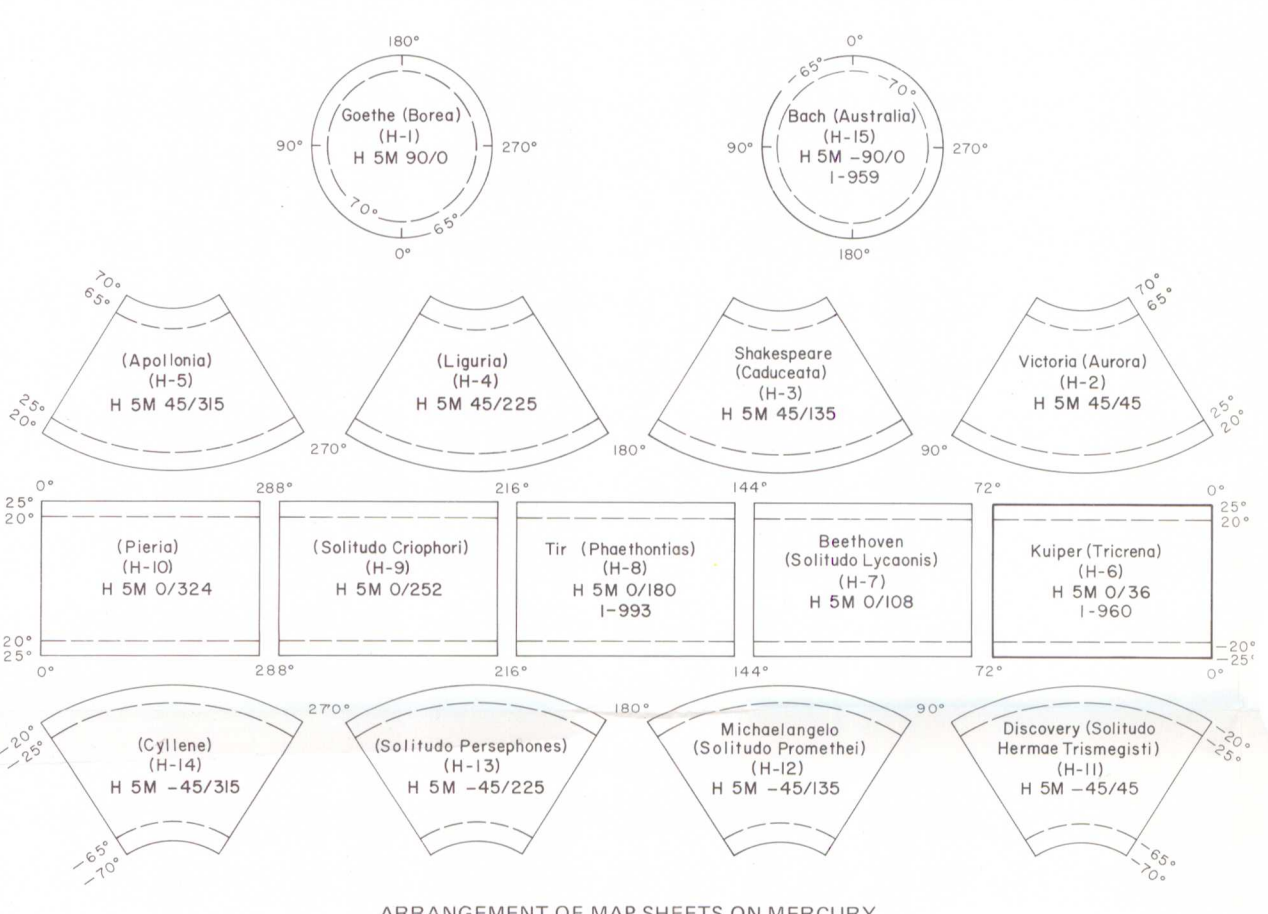
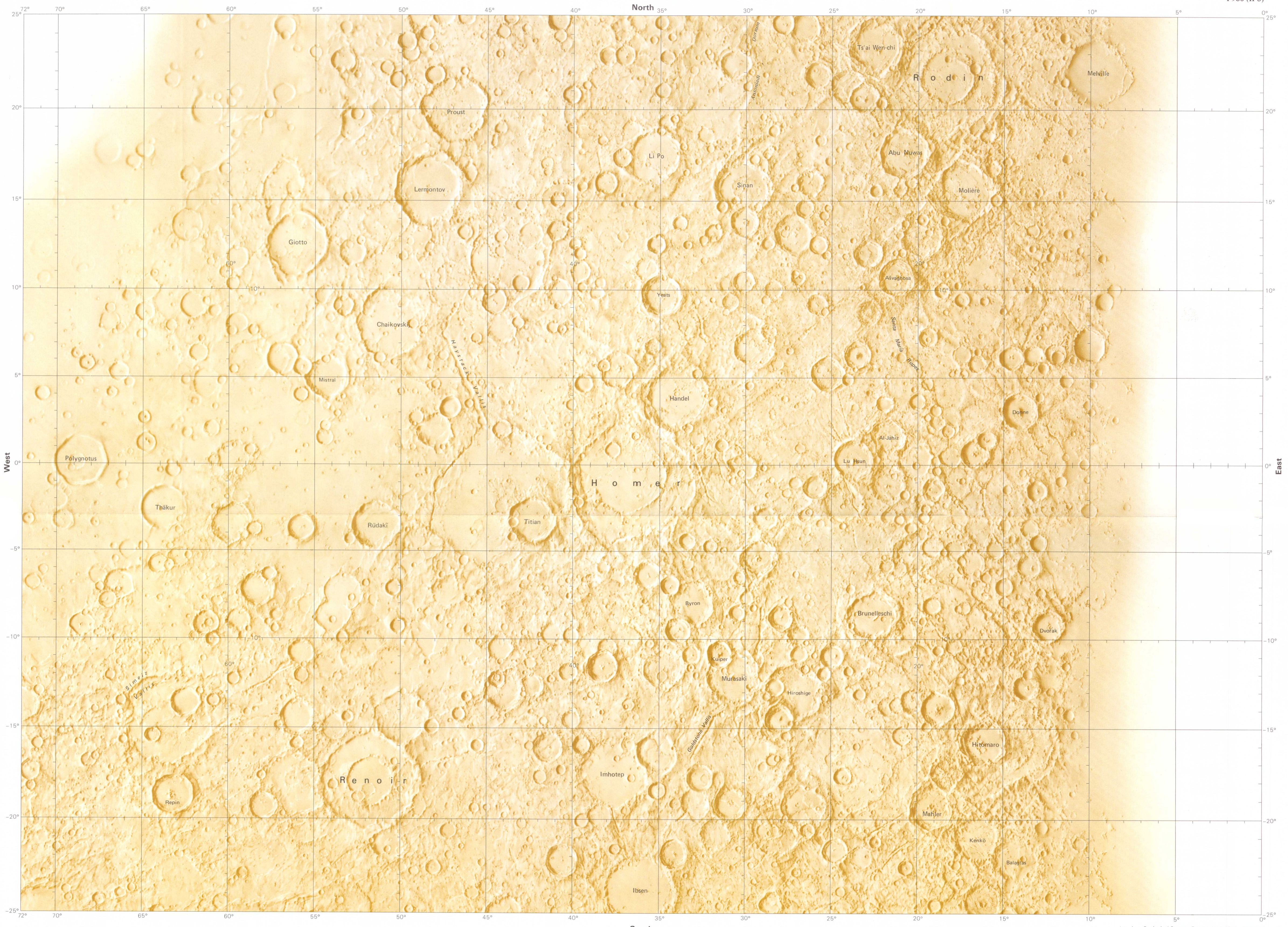
MAPPING TECHNIQUES
Mapping techniques are similar to those described by Batson (1973a, 1973b). A mosaic was made with pictures that had been digitally transformed to the Mercator projection. Shaded relief was copied from the mosaic and portrayed with uniform illumination with the sun to the west. Many Mariner 10 pictures besides those in the base mosaic were examined to improve the portrayal. The shading is not generalized, and may be interpreted with photographic reliability (Ince, 1972). Shaded relief analysis and representation were made by Jay L. Inge.

COLOR
The color of the shaded relief was selected for optimum discrimination of detail and is not intended to represent the color of Mercury even approximately.

NOMENCLATURE
All names on this sheet are provisional.

H-6: Abbreviation for Mercury (Hermes) sheet number 6.
H 5M 0/36 R: Abbreviation for Mercury (Hermes) 1:5,000,000 series, center of sheet, 0° latitude, 36° longitude; shaded relief map, R.

REFERENCES
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**SHADED RELIEF MAP OF THE KUIPER QUADRANGLE OF MERCURY
(TRICRENA ALBEDO PROVINCE)**

H-6
H 5M 0/36 R
1976

Interior—Geological Survey, Reston, Va.—1976—G76023
Prepared on behalf of the Planetary Programs Office,
National Aeronautics and Space Administration under con-
tract W-13,709