DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Prepared for the
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

ATLAS OF THE MOON
1:5,000,000 TOPOGRAPHIC SERIES
THE LUNAR FAR SIDE
L 5M 0/180 AN, 1980
I-1218-A

MERCATOR PROJECTION
Scale 1:5 000 000 at 34° N–S
Scale 1:6 035 533 at the Equator
Near Side, Far Side and Polar Regions
have common scale at 45° N–S

KILOMETERS

700 600 500 400 300 200 100 75 50 25 0 25 50 75 100 200 300 400 500 600 700
50° 25° 0°

NOTES ON BASE

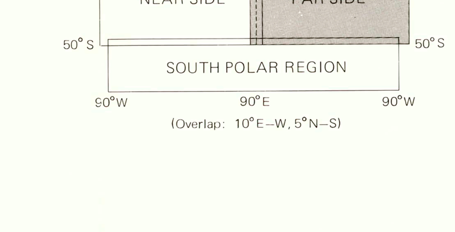
The lunar surface features shown on this map were based primarily on data taken by Lunar Orbiter spacecraft. Some data from Apollo orbital flights and the USSR Zond missions were also used. Interpretations and airbrush portrayal are by Jay L. Inge, Barbara J. Hall, and Susan L. Davis. Ray patterns and albedo differences are incomplete due to the limitations of the source materials. Horizontal positions are tied to the Lunar Positional Reference system of 1974 (Schimerman, L. A., ed., 1975, Lunar cartographic dossier, v. 1: Defense Mapping Agency Aerospace Center, St. Louis AFS, Missouri 63118, secs. 3.1.10, 3.4.63). Evaluated accuracy of this system ranges from 1-16 km at 90% probability.

Apart from the exceptions noted below, this sheet includes all feature names officially approved by the International Astronomical Union as of August 1979, and is restricted to only those names so approved. Spelling conforms to IAU recommendations in all but seven cases, where more recognizable forms have been used (Ceraski, Engelhardt, Friedmann, Hanskiy, Lenz, Lutke, Sternberg).

Letter designations have been applied to a selection of unnamed farside craters that are conspicuous by virtue of size, depth, freshness, unusual appearance, or isolated location, using the simple, NASA-approved azimuthal scheme illustrated below. As a further aid in identifying the "parent" or patronymic crater within the area bounded by 90° E-W and 50° N-S, letters are placed on that side of the designated crater that is closest to the patronymic crater.

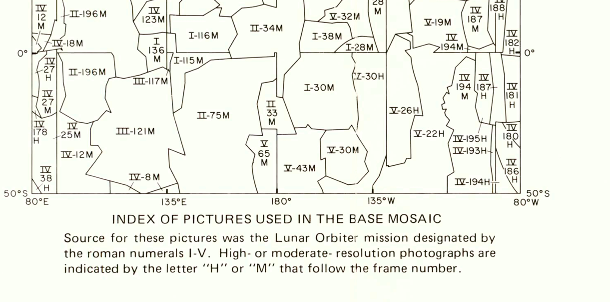
Feature names omitted: Dorsa Dana (in Mare Smythii)
Dorsum Cloos (in Mare Smythii)
first-name designations of small features

INDEX



NOTE TO USERS
Users noting errors or omissions are urged to indicate them on the map and to forward it to U. S. Geological Survey, Building 4, Room 64, 2255 North Gemini Drive, Flagstaff, Arizona 86001. A replacement copy will be returned.

MAP SHOWING RELIEF AND SURFACE MARKINGS ON THE LUNAR FAR SIDE
L 5M 0/180 AN
1980



INDEX OF PICTURES USED IN THE BASE MOSAIC
Source for these pictures was the Lunar Orbiter mission designated by the roman numerals I-V. High- or moderate-resolution photographs are indicated by the letter "H" or "M" that follow the frame number.

Interior—Geological Survey, Reston, Va.—1980—G79579

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