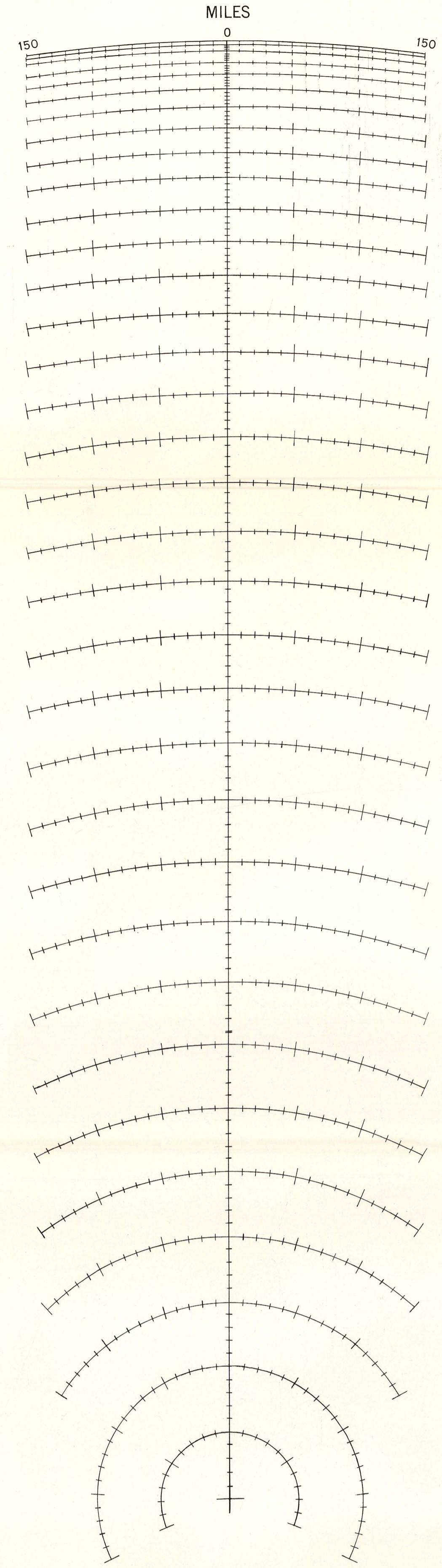



APPROXIMATE MOON SCALE
Interval between ticks equals 10 kilometers;
between major ticks equals 50 kilometers.



APPROXIMATE MOON SCALE
Interval between ticks equals 10 miles;
between major ticks equals 50 miles.

ENGINEER SPECIAL STUDY OF THE SURFACE OF THE MOON
LUNAR RAYS

Only prominent rays shown; crater from which rays originated indicated where determinable. Larger halos enclosing craters included.

APPROXIMATE SCALE 1:380,000
ROBERT J. HACKMAN
U.S. GEOLOGICAL SURVEY