

AL Lunar 100

The AL Lunar 100 introduces amateur astronomers to that object in the sky that most of us take for granted, and which deep sky observers have come to loathe. But even though deep sky observers search for dark skies (when the moon is down), this list gives them something to do when the moon is up. In other words, it gives us something to observe the rest of the month, and we all know that the sky is always clear when the moon is up.



The AL Lunar 100 also allows amateurs in heavily light polluted areas to participate in an observing program of their own. This list is well suited for the young, inexperienced observer as well as the older observer just getting into our hobby since no special observing skills are required. It is well balanced because it develops naked eye, binocular, and telescopic observing skills.

The AL Lunar 100 consists of 100 features on the moon. These 100 features are broken down into three groups: 18 naked eye, 46 binocular, and 36 telescopic features. Any pair of binoculars and any telescope may be used for this list. This list does not require expensive equipment. Also, if you have problems with observing the features at one level, you may go up to the next higher level. In other words, if you have trouble with any of the naked eye objects, you may jump up to binoculars. If you have trouble with any of the binocular objects, then you may move up to a telescope. Before moving up to the next higher level, please try to get as many objects as you can with the instrument required at that level. Finally, when using binoculars, we recommend that you tripod mount them for stability.

AL Lunar 100 Observing List

Naked Eye Objects

L	OBJECT /FEATURE	DATE	TIME
1	Old Moon in New Moon's Arms Within 72 Hrs after new moon		
2	New Moon in Old Moon's Arms Within 72 Hrs before new moon		
3	Crescent Moon, Waxing Within 40 Hrs after new moon		
4	Crescent Moon, Waning Within 48 Hrs before new moon		
5	Man in the Moon		
6	Woman in the Moon		
7	Rabbit in the Moon		
8	Cow Jumping Over the Moon		
9	Mare Crisium		
10	Mare Fecunditatis		
11	Mare Serenitatis		
12	Mare Tranquillitatis		
13	Mare Nectaris		
14	Mare Imbrium		
15	Mare Frigoris		
16	Mare Nubium		
17	Mare Humorum		
18	Oceanus Procellarum		

Binocular Objects

L	OBJECT/FEATURE	DATE	TIME
19	Lunar Rays		
20	Sinus Iridum		
21	Sinus Medii		
22	Sinus Roris		
23	Palus Somnii		
24	Palus Epidemiarum		

25	Mare Vaporum		
	<i>4 Days Old</i>		
26	Langrenus		
27	Vendelinus		
28	Petavius		
29	Cleomedes		
30	Atlas		
31	Hercules		
32	Endymion		
33	Macrobius		
	<i>7 Days Old</i>		
34	Piccolomini		
35	Theophilus		
36	Cyrillus		
37	Catharina		
38	Posidonius		
39	Fracastorius		
40	Aristoteles		
41	Eudoxus		
42	Cassini		
43	Hipparchus		
44	Albategnius		
45	Aristillus		
46	Autolycus		
47	Maurolycus		
	<i>10 Days Old</i>		
48	Plato		
49	Archimedes		
50	Ptolemaeus		
51	Alphonsus		
52	Arzachel		
53	Walter		
54	Maginus		
55	Tycho		

56	Clavius		
57	Eratosthenes		
58	Longomontanus		
59	Copernicus		
60	Bullialdus		
61	Aristarchus		
62	Gassendi		
	<i>14 Days Old</i>		
63	Kepler		
64	Grimaldi		

Telescopic Objects

L	OBJECT/FEATURE	DATE	TIME
65	Sinus Aestuum		
66	Lacus Mortis		
67	Palus Putredinis		
68	Promontorium Laplace		
69	Promontorium Heraclides		
70	Promontorium Agarum		
71	Montes Alpes		
72	Montes Apenninus		
73	Mons Hadley		
74	Mons Piton		
75	Mons Pico		
76	Rupes Altai		
77	Rima Hyginus		
78	Vallis Schroteri		
79	Vallis Alpes		
80	Rupes Recta (straight wall)		
	<i>4 Days Old</i>		
81	Picard		
82	Furnerius		
83	Petavius Wall		
84	Messier/Messier A		

85	Proclus		
86	Fabricius		
	<i>7 Days Old</i>		
87	Plinius		
88	Mitchell		
89	Cassini A		
90	Manilius		
91	Gemma Frisius		
	<i>10 Days Old</i>		
92	Davy		
93	Pitatus		
94	Billy		
95	Fra Mauro		
96	Clavius craterlets		
97	Hippalus		
98	Herschel, J.		
	<i>14 Days Old</i>		
99	Schickard		
100	Reiner Gamma		

AL Lunar 100 Naked Eye Features

The Man in the Moon



The Woman in the Moon



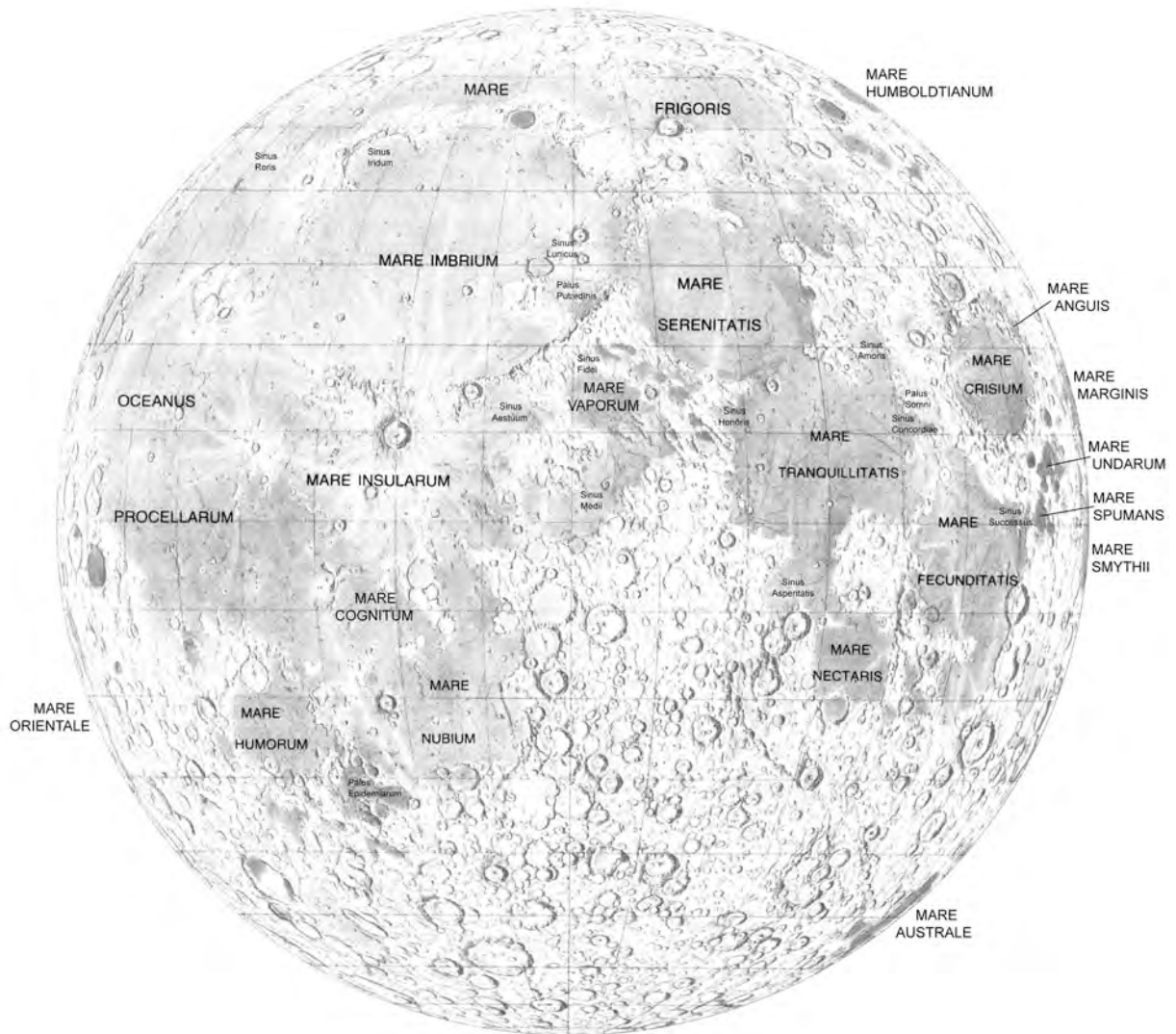
The Rabbit in the Moon



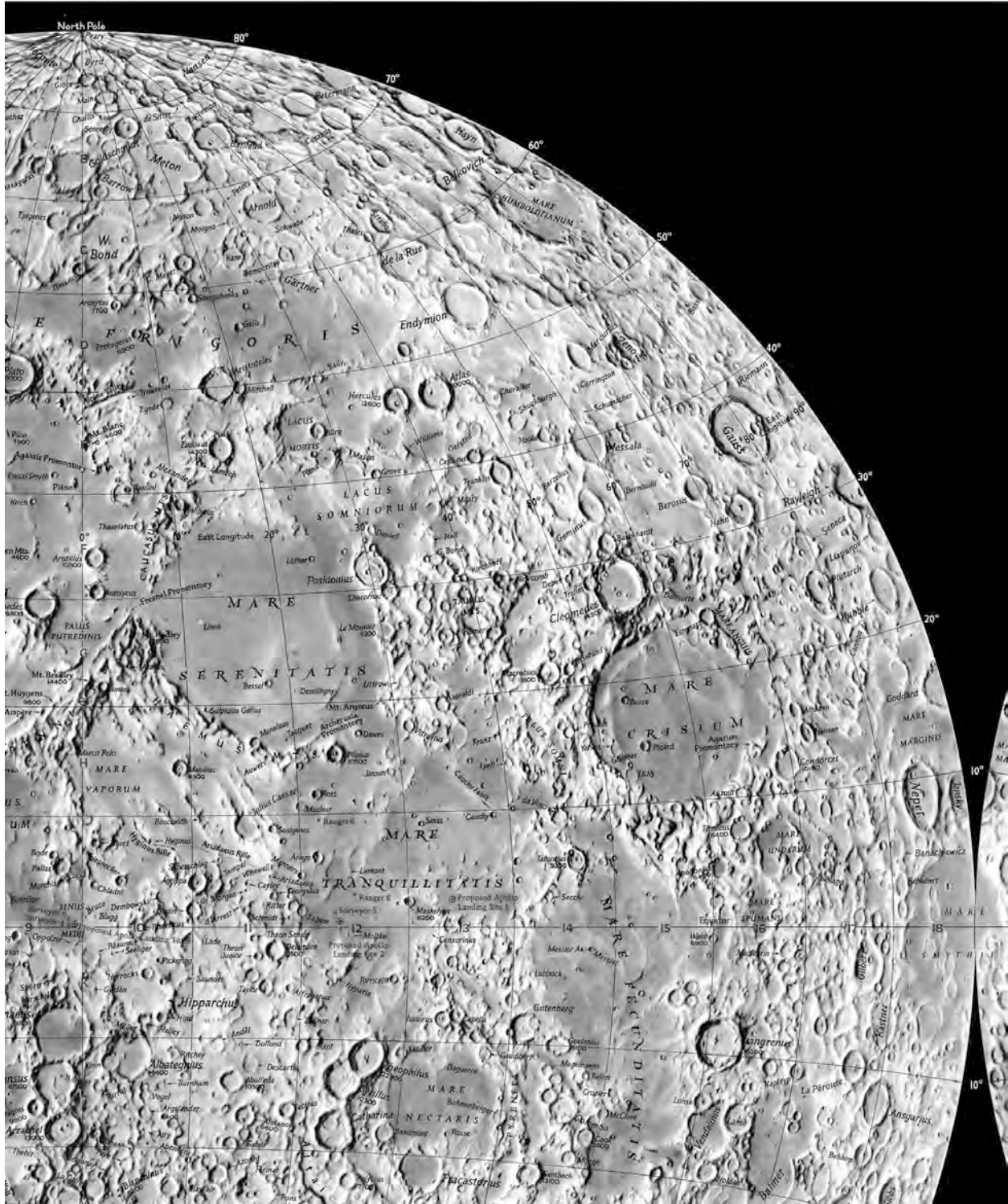
The Cow Jumping over the Moon



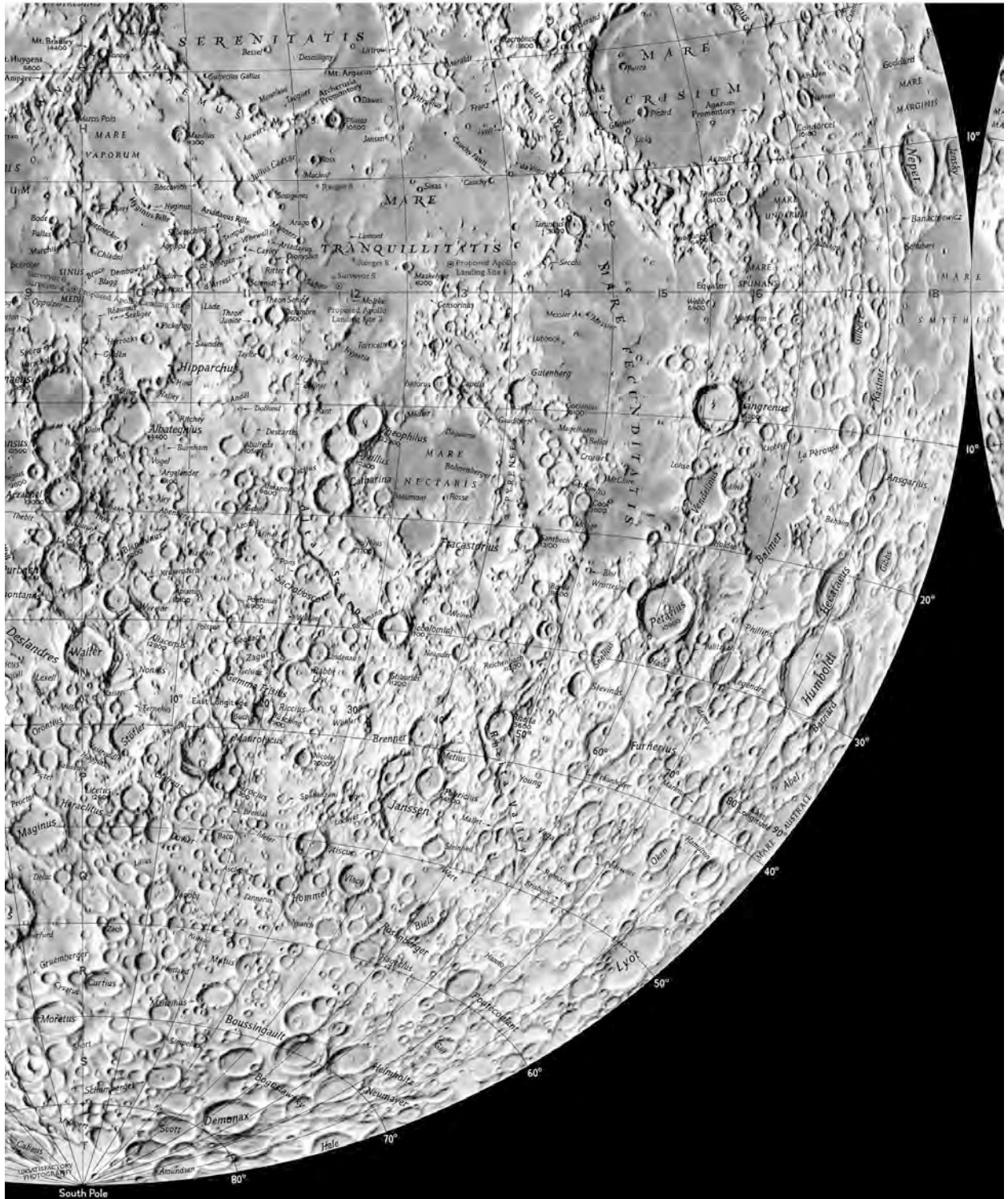
MARE SINUS PALUS



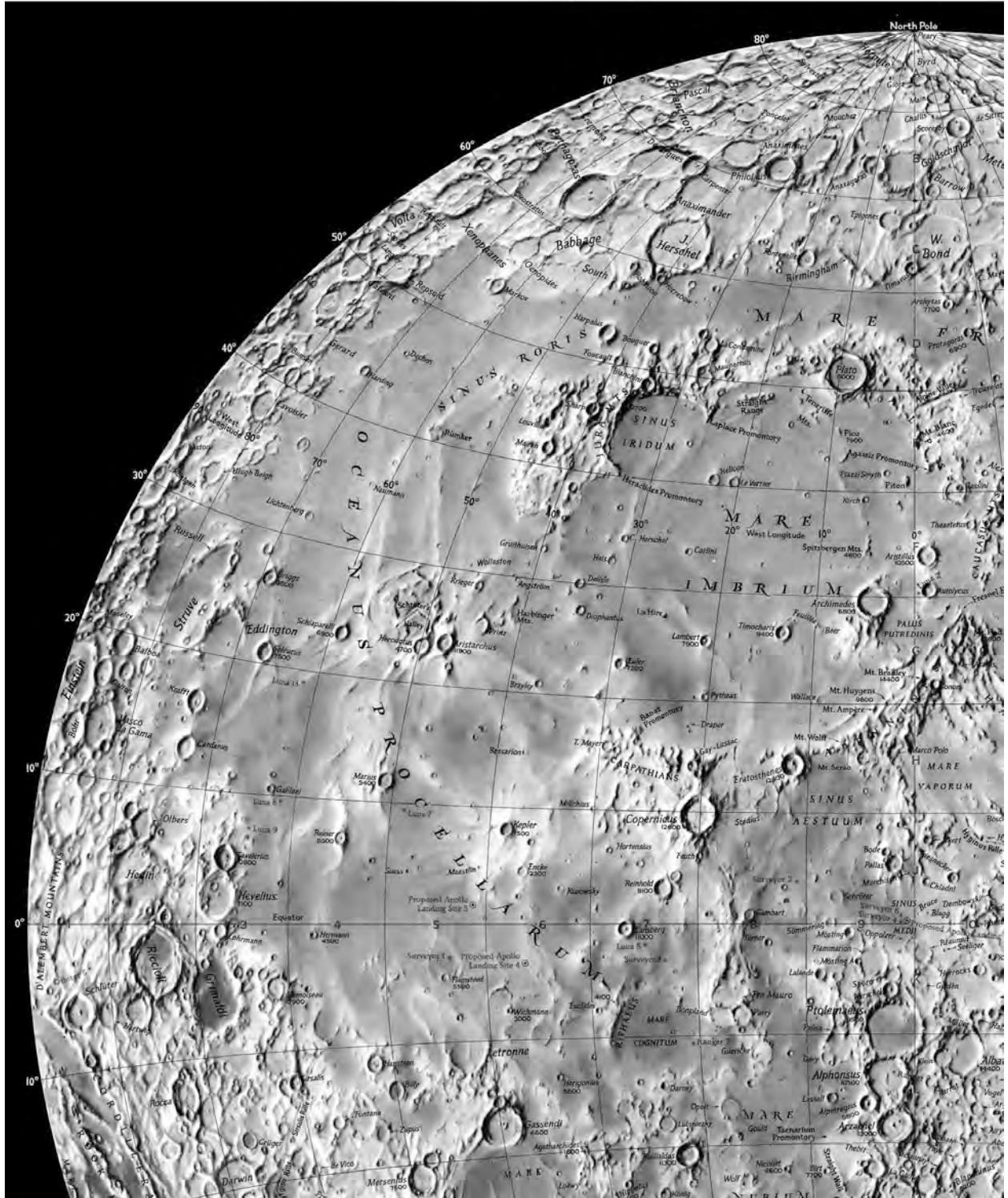
Moon Quadrant 1



Moon Quadrant 2



Moon Quadrant 3



Moon Quadrant 4

