



**Barry Lawrence Ruderman
Antique Maps Inc.**

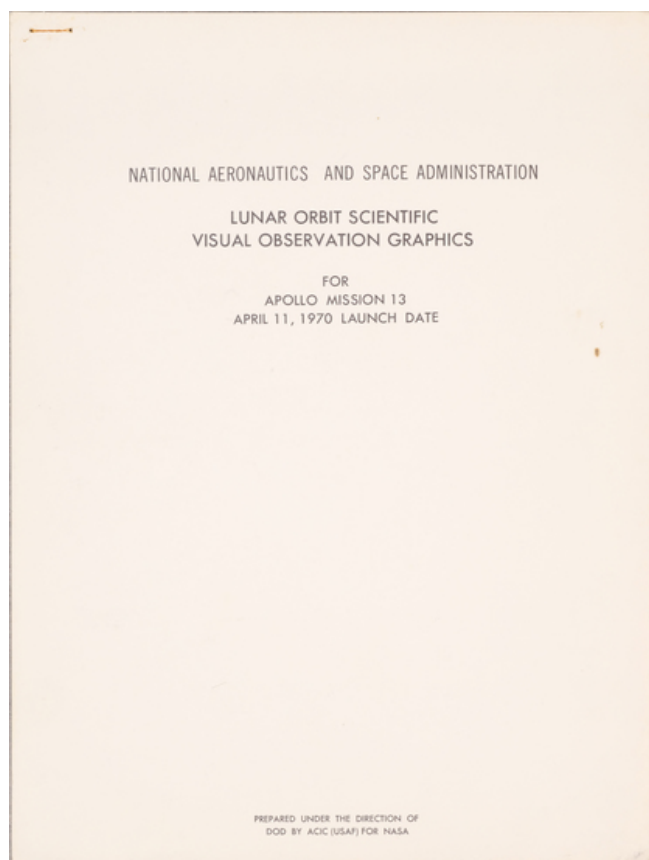
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**[Orbiting The Moon -- Apollo 13 Atlas] Lunar Orbit Scientific Visual Observation
Graphics for Apollo Mission 13 April 11, 1970 Launch Date**

Stock#: 68100
Map Maker: Aeronautical Chart and
Information Center
Date: 1970 February
Place: n.p. (St. Louis, Missouri?)
Color: Uncolored
Condition: VG
Size: 8 x 11 inches
Price: \$ 3,900.00



Description:

A Manual for Recording Scientific Observations while in Lunar Orbit

An extremely rare Apollo 13 visualization guide for astronauts while they were in lunar orbit, detailing the lunar features they would see, and the scientific observations they should record.

The atlas consists of a title page and 21 photographs of the moon [one sheet has two photos, another has none]. The ephemeral nature of the atlas (loose sheets secured with a single staple) probably contributes to the atlas's extreme rarity; we find no copies listed in OCLC nor of any other copies ever having been offered for sale.

The atlas reads like an undergraduate geological field guide. In it, photographs are shown and the astronauts are asked to make specific observations. These observations include: the color of the moon's



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surface at a different area, the size of blocks ejected from craters, and signs of volcanic activity. On the last sheet, they are even asked to use a sextant to measure the altitude of the Command and Service Module (CSM) over a mare. These observations would all have been of great use to scientists, but they would have been made by scientifically inexperienced astronauts. As such, this atlas was produced to help guide the observations that the astronauts would make while in orbit. One sheet has a different purpose: it is to be used to aid the astronauts while making a TV broadcast during trans-Earth injection so that they do not misidentify any features. It is almost certain that a copy of this atlas would have flown with the Apollo 13 crew.

The atlas was prepared for NASA by the Aeronautical Chart and Information Center of the U.S. Air Force.

Collation

The following is an enumeration of the contents of the atlas:

1. Title Page
2. V-1 FAR SIDE HIGHLANDS
3. V-2 VASIN IX AND VICINITY
4. V-3A CRATER 211
5. V-3B CRATER 211
6. V-4 GODDARD AREA
7. V-5 NEPER AREA
8. V-6 CRATER PROCLUS
9. V-7 TEI VIEW
10. V-8 EASTERN MARIA
11. V-9 CENSORINUS AREA
12. V-10 DESCARTES LANDING AREA
13. V-11 CRATER ALPHONSUS
14. V-12 DAVY CRATER CHAIN
15. V-13 FRA MAURO FORMATION
16. V-14 RIPHAeus MOUNTAINS
17. V-15 FLAMSTEED P
18. V-16 CRATER GASSENDI
19. V-17 REINER γ STRUCTURE
20. V-18 WEST OF HUMORUM - DESCARTES AREA
21. V-19 EASTERN SEA



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22. V-20 MARE SURFACE TOPOGRAPHY MEASUREMENTS [No image printed]

Detailed Condition:

Original staple removed with some rust residue.