

The Geologic History of the Moon



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Reviews

*Good e book and useful one. It really is simplistic but shocks in the 50 % of your book. Your way of life period will probably be convert the instant you total reading this ebook.
(Myah Williamson)*

THE GEOLOGIC HISTORY OF THE MOON

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CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 336 pages. Dimensions: 11.0in. x 8.5in. x 0.8in. The Moon held little interest for most scientists after its basic astronomic properties had been determined and before direct exploration appeared likely. Speculations about its internal structure, composition, and origin were only broadly constrained by cosmochemical data from meteorites and solar spectra, and by astronomic data about its size, shape, motions, and surficial properties. Most investigators who were active before the space age began in 1957 believed that significant new advances in lunar knowledge required acquisition of additional data. One analytical technique, however, was insufficiently exploited before the 1960s. Few scientists since the geologist Gilbert had studied the lunar surface systematically from the historical point of view. Those who did immediately obtained important new insights about the Moons postaccretion evolution. Then, the pioneering work of E. M. Shoemaker and R. J. Hackman focused the powerful methods of stratigraphy on lunar problems. Stratigraphy is the study of the spatial distribution, chronologic relations, and formative processes of layered rocks. Its application to the Moon came relatively late and met resistance, but the fundamental stratigraphic approach was, in fact, readily transferable to the partly familiar, partly exotic deposits visible on the lunar surface. Stratigraphic methods were applied systematically during the 1960s in a program of geologic mapping that aimed at reconstructing the evolution of the Moons nearside. Order was discovered among the seemingly diverse and random landforms of the lunar surface by determining the sequence in which they were emplaced. The stratigraphic sequence and the emplacement processes deduced therefrom provided a framework for exploration by the Apollo program and for the task of analyzing the returned samples. During the 1970s, the sophisticated labor of hundreds of analysts was brought to bear...



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