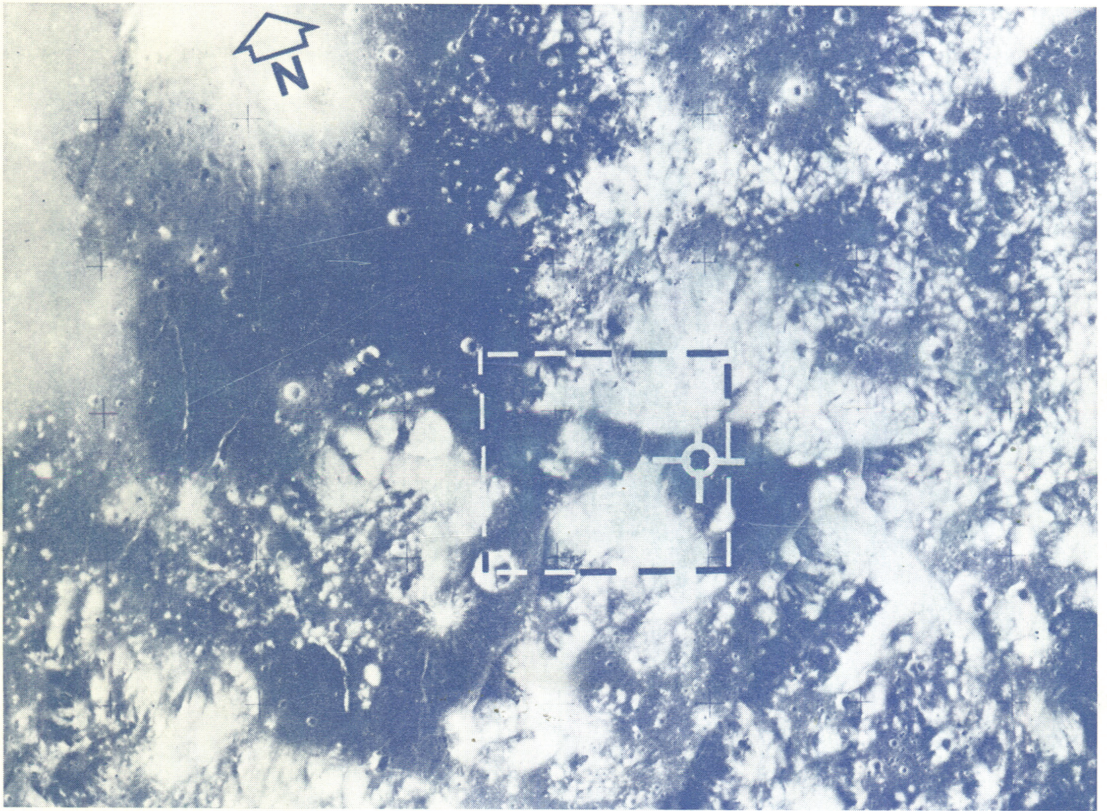


INTERNATIONAL ASTRONOMICAL UNION

SYMPOSIUM No. 47

THE MOON

Edited by S. K. RUNCORN and H. C. UREY



INTERNATIONAL ASTRONOMICAL UNION

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THE MOON

SYMPOSIUM No. 47

This book includes the majority of papers presented at I.A.U. Symposium No. 47 on 'The Moon', held in the School of Physics of the University of Newcastle-upon-Tyne, England. Comparison with the previous I.A.U. Symposium on the same topic held in Leningrad a decade earlier, underlines the great advance in our knowledge of the Moon and solar system, made possible by the development of space technology. The reader of the papers in this volume will receive a strong impression of the unique contribution which each of the sciences has made in this quest for a better understanding of our satellite and, through it, new insights into the origin of the Earth and the solar system.

The Symposium covered the following topics: lunar gravitational field; the maria; mechanical processes; Apollo 14 mission; petrological evidence for the evolution of the Moon; evolution of the uppermost regions of the Moon; physical properties; density distribution and thermal state of the Moon's interior; magnetic, electrical and thermal properties of the lunar interior; the evolution of the Moon's orbit; chemical considerations; origin of the Moon. H. C. Urey gave an open lecture on 'Origin of the Moon and the Solar System' and A. A. Mikhailov delivered an open lecture on 'Preliminary Results of Luna 16 and Lunakhod'. Throughout the Symposium panel discussions were held on the following topics: origins of mascons; differentiation of the Moon; lunar tectonics; electrical and magnetic properties of the Moon; and the origin of the Moon.

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ROTATION OF THE EARTH

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WOLF-RAYET AND HIGH-TEMPERATURE STARS

INTERNATIONAL ASTRONOMICAL UNION
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EDITED BY

M. K. V. BAPPU

Indian Institute of Astrophysics, Kodaikanal, India

AND

J. SAHADE

Instituto de Astronomía y Física del Espacio, Buenos Aires, Argentina



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This volume is dedicated to

C. S. BEALS

B. EDLEN

CECILIA PAYNE-GAPOSCHKIN

P. SWINGS

*For their contributions to our present degree of comprehension of
Wolf-Rayet Spectra*

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