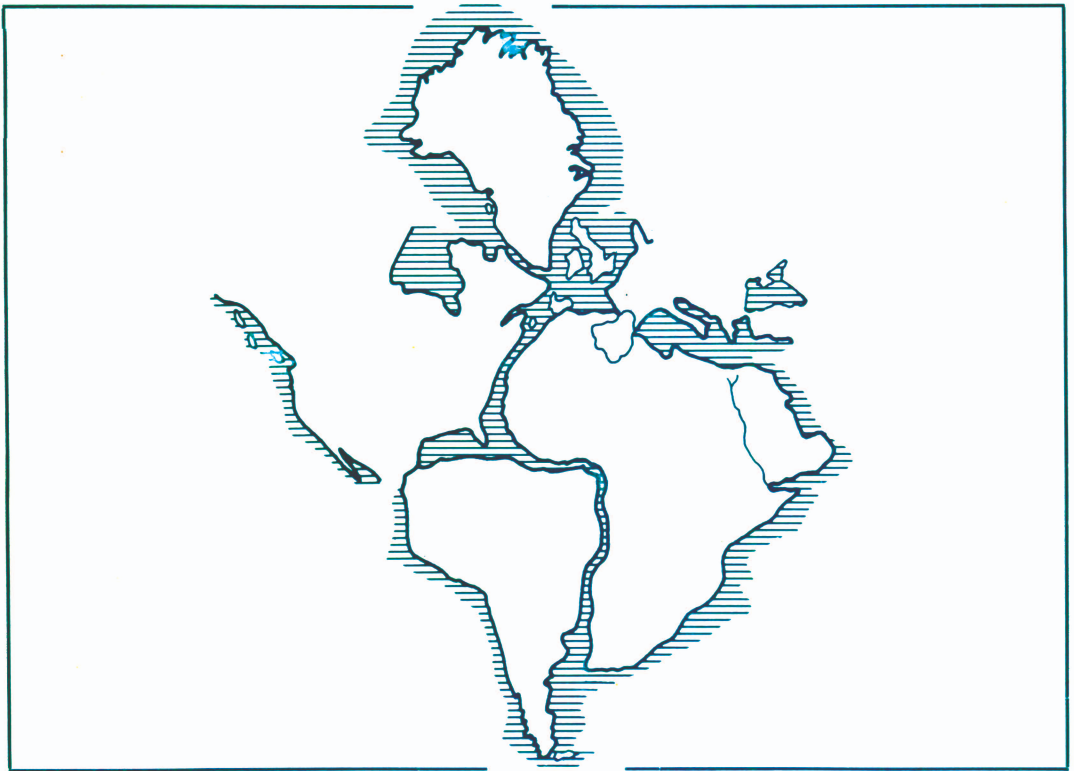


INTERNATIONAL ASTRONOMICAL UNION

SYMPOSIUM No. 32

CONTINENTAL DRIFT, SECULAR MOTION OF THE POLE, AND ROTATION OF THE EARTH

Edited by Wm. MARKOWITZ and B. GUINOT



INTERNATIONAL ASTRONOMICAL UNION

D. REIDEL PUBLISHING COMPANY / DORDRECHT-HOLLAND

**CONTINENTAL DRIFT,
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OF THE EARTH**

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The theory of continental drift has received widespread support in recent years but has not been confirmed by direct measurement. This volume, edited by Wm. Markowitz and B. Guinot, contains the 63 proceedings of the Symposium held at Stresa, Italy, 21 to 25 March 1967, which was sponsored by the IAU and IUGG. The principal objective was to organize cooperative astronomical programs to detect continental drift, if it exists. The second objective was to adopt a fixed origin for specifying the coordinates of the pole. The recommendations on these matters adopted at Stresa were formally adopted, later in 1967, by the General Assemblies of the IAU and IUGG. Included in the volume are 19 scientific papers, which deal with (a) estimates of rates of continental drifts to be expected, (b) astronomical observations, (c) the secular motion of the pole, (d) relations between polar motion and rotation of the earth with earth tides and motions in the earth's core, and (e) the possible use of artificial satellite techniques, including corner-reflectors to be placed on the moon.

Astronomical programs for determining time and latitude free of errors in star positions or proper motions, by chains of photographic zenith tubes and astrolabes, are described. The results of the International Latitude Service from 1900 to 1966 are analyzed by several authors.

An introduction provides a summary account of the discussions which followed the papers. There is an index.

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UNION ASTRONOMIQUE INTERNATIONALE

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HELD IN STRESA, ITALY, 21 TO 25 MARCH 1967

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SECULAR MOTION OF THE POLE,
AND ROTATION OF THE EARTH

EDITED BY
WM. MARKOWITZ
(*Marquette University*)

AND
B. GUINOT
(*Paris Observatory*)



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