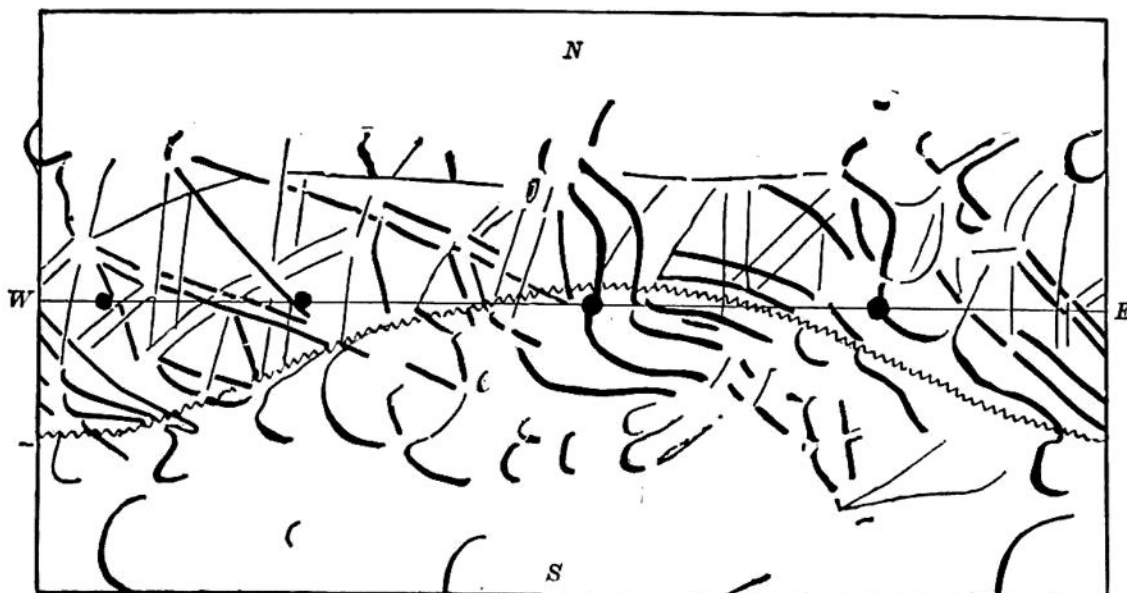


degree of latitude makes a complete revolution in 38.6 days, while the equator revolves in 25.5 days.

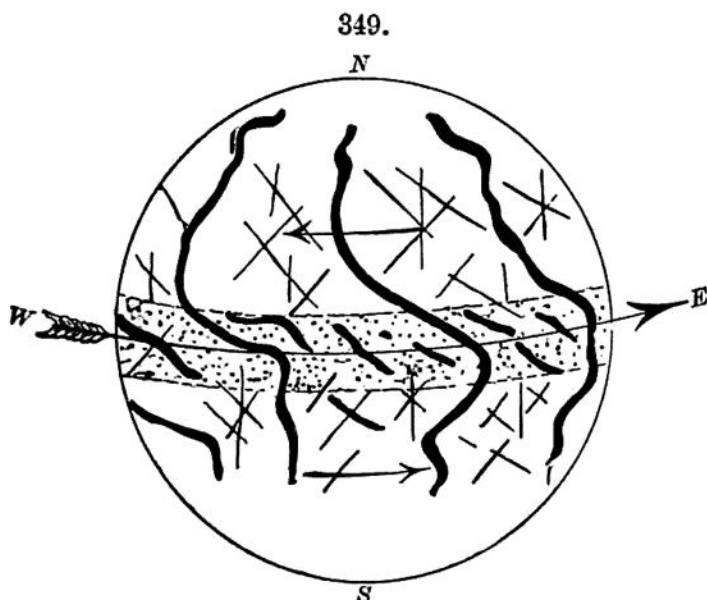
The fact of torsion appears thus to be sustained for the other planets as well as for the earth.

348.



Oblique feature-lines on Mars. Prinz.

Prinz introduces, in closing, the diagram in Fig. 349 to illustrate the general scheme of torsional movements. He implies that such movement may



have begun in the incipient stages of surface consolidation, whenever the continental and oceanic areas began to be differentiated, and that in the process a cleavage structure was produced that determined the system of fractures in the earth's surface, and thereby the system in the earth's feature-lines. But he adds that the solution of all the questions that arise demands the profoundest knowledge of celestial mechanics, as well as much

experiment, and a complete discussion of the records in the earth's structure.

Historical geology adds greatly to the interest of geomorphic work, by presenting in detail the connection of mountain-making movements with the preparatory stratigraphic events, and also by bringing out to view the bearings of these great topographical changes on the physical conditions of the earth, and their influence on biological distribution and progress.