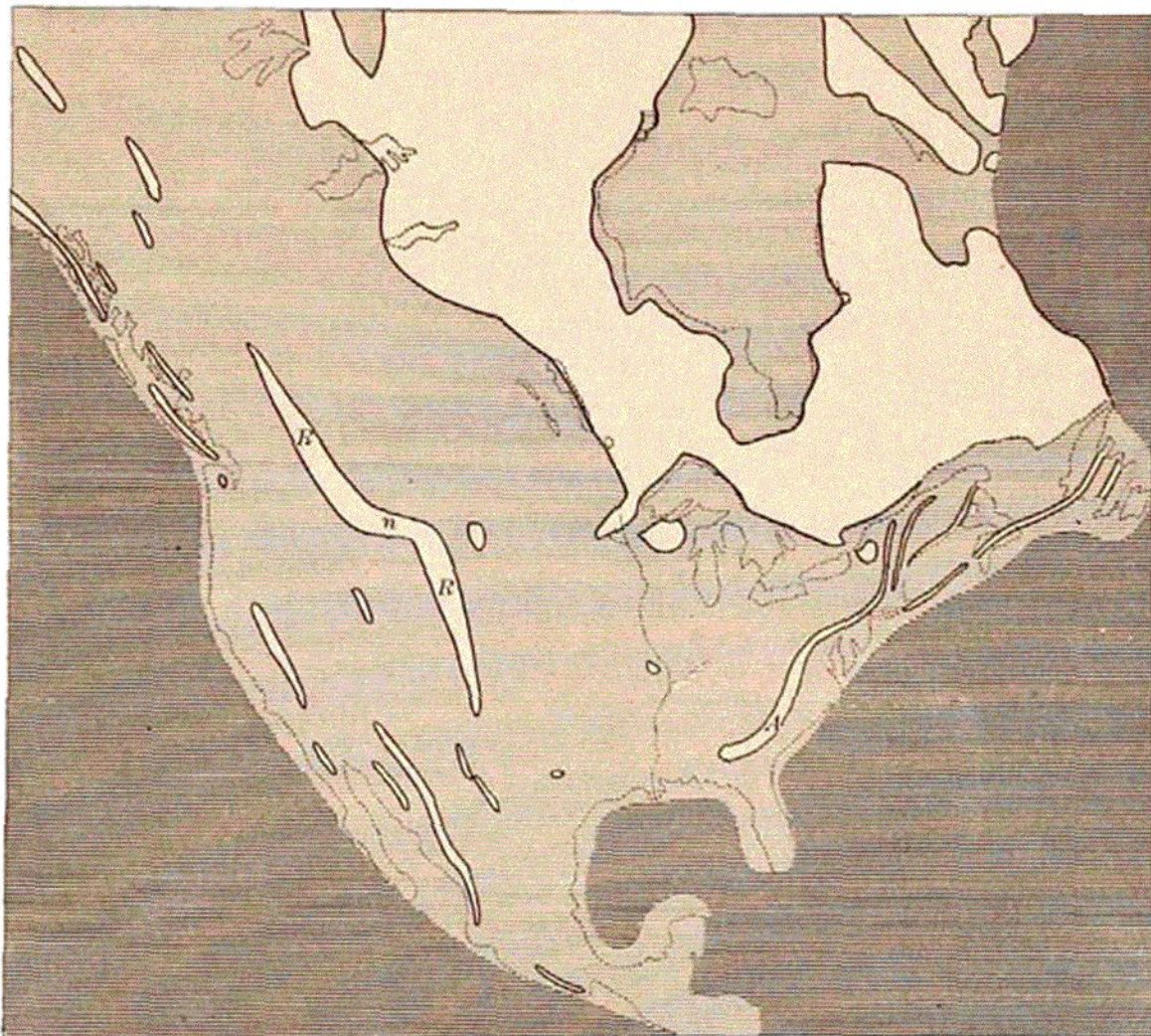


Besides the nucleal area of the continent, there are other areas lying in ranges or chains that are approximately parallel to the arms of the nucleal V.

*On the Atlantic border, northeastward in general trend.* — On the Atlantic border there is the long Appalachian protaxis (page 24), extending interruptedly from Canada south of the St. Lawrence, along the higher land of Ver-

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*Map of North America at the close of Archæan time, showing approximately the areas of dry land.*

mont; eastern Berkshire in Massachusetts; Putnam, Orange, and Rockland counties in New York, and Sussex in New Jersey, making the Highland Range, which crosses the Hudson between Fishkill and Peekskill; constituting some ridges in southeastern Pennsylvania; thence continuing southwestward along the "Piedmont" belt, and through Virginia and North Carolina, constituting in the latter state the Black Mountains; thence into South Carolina and Georgia. It is marked A on the map.

To the northeastward, over New England to Newfoundland, there are other parallel ranges, bounding broad valleys or basins, as follows: (1) To the east of the Connecticut valley, at intervals, from Canada to Connecticut.