

tinued agency of the atmosphere and the ocean,—into its present insular form; and that, consequently, the secondary and tertiary formations were formerly in these regions more extensively distributed than at present.

4. That previously to the deposition of the coal formation, as in Melville Island and in Jameson's Land, the previously-existing, or older hills, supported a vegetation resembling that which at present characterizes the tropical regions. The fossil corals in the limestones, corals of which the prototypes are at present met with in the hot seas of the tropical regions, also intimate that, before, during, and after the deposition of the coal-formation, the waters of the Arctic ocean were so constituted as to support polyparia, or corals, resembling those of the present equatorial seas.

5. That probably the ancient climates of the Arctic regions were connected in some degree with the former magnitude and form of the Arctic lands, and their relations to the magnitude and height of other countries.

6. That the boulders or rolled blocks met with in different quarters, and in tracts distant from their original localities, afford evidence of the passage of water across them, and at a period subsequent to the deposition of the newest Neptunian strata.

7. That possibly the distribution of the erratic blocks or boulders, was occasioned by the agitations in the ocean, caused by the uprising of certain lands.

8. That the black or common coal, the coal of the old or most abundant coal-formation, which some speculators maintain to be confined to the more temperate and warmer regions of the earth, is now proved,—by its discovery by Parry in Melville Island far to the west, and by Scoresby far to the east in Jameson's Land, to form an interesting feature in the geognostical constitution of Arctic countries.

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