

The Glacial Cause of Changing Climates

that the contours of the continents have always remained exactly as now; but it does mean that in a general way what has been hitherto geologically regarded by so many people as periods of climatic conditions, simultaneously affecting the whole earth and brought about by tremendous convulsions of the earth's crust, were much more easily and naturally developed by the simple agency of "changing latitude" briefly traced about through typical strata, to illustrate the overwhelming force so gradually exerted by the ceaseless flow of Polar ice in variant directions, continuously changing the climates of every country on earth, as they have been and are successively drifted through neighboring zones of latitude.

THE CLIMATIC CHANGE IS WORLD-WIDE

If you, reader, will take any geographical globe and tilt it down the axis of Greenland southwards, with three wire rings to represent the Equator, Tropic of Cancer and Arctic Circle, held separately like a cage or fixed screen above and yet near the globe, you can readily gain a definite conception of this great natural climatic change now benefitting Canada, the Northern American States above the 40th paral-

lel, Northern Europe, with China and Japan, at the expense of Syria, Southern Europe and the Southern United States of America, which are becoming too warm, whilst Siberia is becoming too cold for human comfort, because the mighty force of Greenland ice is "creeping" all the earth's crust (like a loose motor-tyre) around down the direction of the mid-Atlantic, and at the same time forcing up Northern Siberia further into the frigid polar zone.

30. Partially corresponding, but less marked, changes are being noticed around the South Polar area, where the wind currents and lesser mountain areas produce the thinner, flatter, South Polar ice, which produces the smaller, flat, table-like icebergs so characteristic of the South Polar Seas, which are in such marked contrast to the gigantic mountain-like icebergs now increasingly "calved" from Greenland's Polar ice-cap.

Whilst icebergs detract from the pleasures of trans-Atlantic travel, they should be regarded as part of the great climate-changing force which is continuously resting and renewing all parts of the world by that infinite variety which should lead us to rejoice in the beauty and fertility that results from this marvellous and beneficent climatic change. M. B. COTSWORTH