

temperature of Tierra del Fuego, the Falkland Islands, and, for comparison, that of Dublin:

	Latitude	Summer Temp.	Winter Temp.	Mean of Summer and Winter
Tierra del Fuego . . .	53° 38' S.	50°	33°·08	41°·54
Falkland Islands . . .	51 30 S.	51	—	—
Dublin	53 21 N.	59 ·54	39 ·2	49 ·37

Hence we see that the central part of Tierra del Fuego is colder in winter, and no less than $9\frac{1}{2}^{\circ}$ less hot in summer, than Dublin. According to Von Buch, the mean temperature of July (not the hottest month in the year) at Saltenfiord in Norway is as high as $57^{\circ}\cdot8$, and this place is actually 13° nearer the pole than Port Famine!¹ Inhospitable as this climate appears to our feelings, evergreen trees flourish luxuriantly under it. Humming-birds may be seen sucking the flowers, and parrots feeding on the seeds of the Winter's Bark, in lat. 55° S. I have already remarked to what a degree the sea swarms with living creatures; and the shells (such as the Patellæ, Fissurellæ, Chitons, and Barnacles), according to Mr. G. B. Sowerby, are of a much larger size, and of a more vigorous growth, than the analogous species in the northern hemisphere. A large *Voluta* is abundant in southern Tierra del Fuego and the Falkland Islands. At Bahia Blanca, in lat. 39° S., the most abundant shells were three species of *Oliva* (one of large size), one or two *Volutas*, and a *Terebra*. Now these are among the best characterized tropical forms. It is doubtful whether even one small species of *Oliva* exists on the southern shores of Europe, and there are no species of the two other genera. If a geologist were to find in lat. 39° , on the coast of Portugal, a bed containing numerous shells belonging to three species of *Oliva*, to a *Voluta* and *Terebra*, he would probably assert that the climate at the

¹ With respect to Tierra del Fuego, the results are deduced from the observations by Captain King (Geographical Journal, 1830), and those taken on board the "Beagle." For the Falkland Islands, I am indebted to Captain Sullivan for the mean of the mean temperature (reduced from careful observation at midnight, 8 A.M., noon, and 8 P.M.) of the three hottest months; viz., December, January, and February. The temperature of Dublin is taken from Barton.