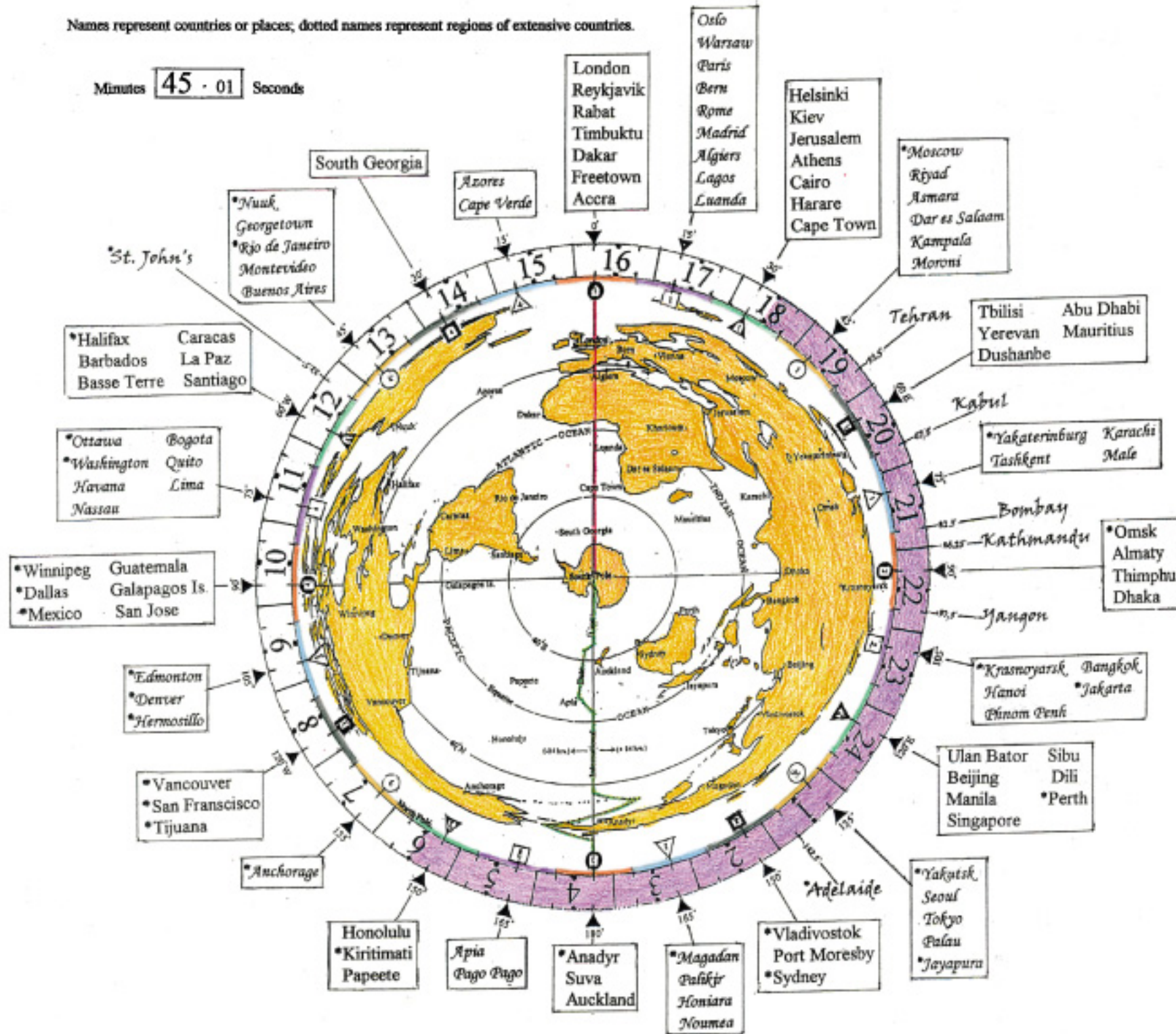


A digital clock-face of the E.R.S.C.

Names represent countries or places; dotted names represent regions of extensive countries.



In this digital clock-face of the E.R.S.C. the earth appears static while the sun seems to move from east to west. This is an optical illusion caused by the anticlockwise direction of the rotating disc bearing the G.M.T. hours. In this manner it simulates the earth's actual clockwise rotation from west to east in relation to the sun. The disc is just below the surface of a clear plastic plate bearing the antipodes map and the longitudinal time indicators with the place names. The places mentioned in the earlier simplified clock-face are shown (boxed) outside, and they are aligned to their respective longitudinal hour indicators that point to their local standard times which are clearly visible through the clear circular gap separating the map from the rest of the clock-face. The only moving part is the rotating disc. The minute and seconds reading can be ascertained from the digital timer at the top left corner which works in an independent but synchronised manner with the multiple hour disc. The time of any place that is aligned along a longitudinal hour indicator can be read off the multiple hour disc in association with the digital timer. Thus there is no need for a minute or seconds hand. But the times of places aligned along intermediate longitudinal time indicators have to be ascertained from the clock-face itself without reference to the digital timer.

Identical geometric symbols along the periphery of the antipodes map are quadruplicated and so are the colours defining the time zones. They are in alignment with the longitudinal hour indicators and tell the time from the outside of the clock-face. The time of any place on earth can be determined after cross-reference with "The table facilitating the reading of world standard times through the longitudinal hour indicators of the E.R.S.C." Note that the legal stipulation of the International Date Line is valid along whatever time is indicated by longitude 180°.

After referring to the clock-face and the above-mentioned table the standard times of the following places are as stated below. London (representing U.K.) GMT 15.45 hrs., Winnipeg (representing a region of Canada) GMT 9.45 hrs., Falkland Is. GMT 11.45 hrs., Madagascar GMT 18.45 hrs., Kathmandu (representing Nepal) GMT 21.30 hrs., Beijing (representing China) 23.45 hrs.