

# **The Motionless Earth at the Centre of the Universe**

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The commentary on the Apostles' Creed in the Catechism of the Council of Trent (p.29 English translation, McHugh and Callon) states that God commanded the Earth to stand in the midst of the world (Universe), rooted in its own foundation.

This truth of faith in which the Fathers believed would now seem to be confirmed by contemporary scientific observations. The movement of the Foucault pendulum during solar eclipses is one of the observations, and another is the minus 2.7° Kelvin cosmic background radiation.

Nobel prize winner Maurice Allais noticed that during the eclipse of 30th June 1954 the rotation of the oscillation plane of his paraconic pendulum changed when the moon passed in front of the sun. Similarly, during the eclipse of 15 Feb 1961, Jeverdan, Rusu and Antonesco observed that a Foucault pendulum not only changed the rotation of its oscillation plane, but instead of becoming lighter became heavier during the phenomenon. These observations indicate the immobility of the earth, because if the Foucault effect was due to the rotation of the earth upon itself, it is difficult to understand why the effect would be interrupted when the moon eclipses the sun. Moreover, the increased heaviness of the pendulum suggests that gravitation is not a phenomenon of attraction of masses between themselves, as was taught by Newton.

Regarding the 2.7° K background cosmic radiation, it has been referred to as a "fossil radiation" resulting from the hypothetical "big bang". This is an unreasonable hypothesis, as the spherical symmetry around the earth of such residual radiation would require the so-called initial explosion to have occurred from where the earth is. In any case the big bang theory is very difficult to accept from a philosophical stand-point, because a blind explosion would hardly give rise to the beauty of the sky we contemplate and the regularity of the solar system movements. The red shift can arise from other causes than the Doppler moving-away effect. It could, for instance, be caused by the circular movement of the heavens. It could also be due to the material of celestial bodies outside of the solar system being different to that of terrestrial bodies, which was the view held by Aristotle and St. Thomas Aquinas.

If the cosmological radiation does not result from the big bang, it must be attributed to the universe having the envelope shape envisaged by ancient scholars. Despite the difficulty of accepting such an idea, it is easier and more reasonable to conceive of the universe as finite and spherical, rather than infinite as Newton did. The spherical symmetry of the background radiation around the earth could result from the concentricity of the envelope around the earth.

In conclusion, modern astronomical observations concur with the teaching of the Bible and the Fathers of the Church to an astonishing degree.

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