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## **IS THERE A REVERSELY DIRECTED FORCE OF GRAVITATION IN THE DEEP INTERIOR OF THE EARTH?**

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The view that inwardly directed force of gravitation in the deep interior of earth is directed only towards the centre of the planet has lead us to the view that temperature and pressure condition there must be very high. Nevertheless, the magnetic features of the earth cannot be explained with this view and therefore, certain vague concepts like occurrence of convection current driving at extremely slow speed there has been developed which has in turn given rise to a dynamo that causes magnetic phenomena of the planet. The author has shown that so called fluid zone in the interior of the earth is a virtually void zone associated with some particles and apparently giving fluid characteristics. Occurrence of a virtually void zone in the interior of the planet would generate reversely directed gravitational force in the deep interior of the planet due to which pressure and temperature at depth would be sufficiently low to keep the solid iron inner core as magnet. The concept put forward here, besides explaining the cause of drifting of continents, appropriately elucidates magnetic features of earth and planetary objects.

## **BIOGRAPHY**

Subhasis Sen is a Retired Scientist of the Council of Scientific and Industrial Research, India. He completed his MSc Degree from the Jadavpur University in 1960 and PhD Degree from the Nagpur University in 1974. He has published more than 180 research papers in various reputed journals besides publishing two books titled "EARTH- THE PLANET EXTRAORDINARY (Allied Publishers, New Delhi, India)" and "DECODING THE SOLAR SYSTEM (Author House, UK)". He has developed an expansion based Global Tectonics termed Unified Global Tectonics for understanding Earth and Solar System objects. For the last 35 years he is working on various problems related to the Earth and Solar System planets.

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