

# New Concepts in Global Tectonics

## NEWSLETTER

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Magnetometer data from GOES for 2001 to 2011 were assessed against 7.0-plus magnitude earthquakes worldwide. Results showed these earthquakes clustered towards strong solar activity. The statistical correlation was then validated against a hypothesis, that fault lines were fed increased electrical energy in a similar way to geomagnetic-induced current. 9/56 year cycle: 18th & 19th century world earthquakes, David McMINN .....	15
The 9/56 cycle was assessed in the timing of major 18th and 19th century world earthquakes. Remarkably, most 1765-1885 seismic events ( $M \Rightarrow 7.9$ ) took place in one half of the complete 9/56 year grid. Since 1900, world mega quakes ( $M \Rightarrow 8.5$ ) also occurred preferentially in 54/56 year grids, something that was considered in relation to earlier centuries. Can IMF and the electromagnetic coupling between the Sun and the Earth cause potentially destructive earthquakes? Valentino STRASER.....	27
Trends in the Interplanetary Magnetic Field (IMF), detected by GOES satellites 13 and 15, show some recurrences in the graph, as a characteristic "σ" shaped hook that is detected before earthquakes of magnitude $M6+$ . Due to the recurrence of the event, in the form of "σ", almost always present before strong earthquakes, the method aims to provide a contribution to the interdisciplinary study of seismic precursors of a global character. Intervals of pulsation of diminishing periods and radio anomalies found before the occurrence of $M6+$ earthquakes, Valentino STRASER.....	35
From spectral analysis of more than 350 earthquakes, it was noted that the micro pulsations and the radio interference detected, respectively, at a value of 665 mHz and in the range between 0.1 and 20Hz, precede by a few hours the occurrence of $M6+$ earthquakes. The Raffaele Bendandi earthquake warnings based on planetary positions, Cristiano FIDANI.....	47
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