

Possibility of earthquake prediction

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Continuous observations of groundwater pressure and crustal strains have been done in Awaji 800m borehole. Sudden changes of the pressure and strains were observed before 3 earthquakes, and started about 3 months before them, respectively. It is considered that the sudden changes of the pressure and strains are precursors, and that these generations and the earthquake occurrences are caused by the tides as a trigger. There are tendencies that sudden pressure changes before a large earthquake are large and that sudden strain changes occur in the components near an epicentral direction. Moreover, the precursors occurred from 2 days before the 2000 Tottori-ken Seibu Earthquake (M7.3). We, therefore, think that earthquake prediction is possible.