

### **Radioactive Technique for the Measurement of Wave Activity on Sea Shore**

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Thorium is a mineral present in Monazite sand in our beaches which contains 1-9 percent of <sup>232</sup>Th in the form of phosphate with a variable percentage of Thoria (ThO<sub>2</sub>). An attempt has been made to measure the wave activity on seashore using the radiation of this mineral. Two alternative methods were also used in order to justify the Radioactive Technique. High correlation coefficients were obtained between the two alternative methods and radioactivity technique, implying that the Radioactivity technique could be used effectively to measure the wave activity. The advantage of measuring wave activity by the Radioactivity technique is that it is easier and more convenient than conventional methods. During the course of this research work it seemed possible to develop a radioactive technique to study wave breaking. Further investigations are underway.