

## **ANOMALOUS DISTRIBUTIONS OF SEISMIC INTENSITIES IN THE NILE DELTA, EGYPT**

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The distribution of seismic intensities of the historical and recent earthquakes, which occurred in and around the Nile delta, has been examined. Anomalously high seismic intensities were observed in certain regions of the Nile delta, where shallow earthquakes predominate. The characteristic distributions of seismic intensities can be explained by the location of earthquakes. The high seismic intensities observed in the Nile delta are due to the amplification of ground motion by the thick alluvial deposits. The present work provides an earthquake hazard assessment in the Nile delta. A comment is made on a possible systematic error of epicenter locations of the historical earthquakes.