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Reletionship between catfish activities and stimulative elements(a preliminary report)

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The macroscopic anomalies associated with earthquakes, such as rumbling, unusual behavior of animals, and natural lightening, are the natural unusual phenomenon that can be noticed without scientific instruments but by ordinary human sense. Although there have been a number of reports on such phenomena, sufficient scientific research has not been made.

In this paper, we report our preliminary effort to try to record the behavior of a catfish quantitatively. We constructed digital monitoring system to measure the physical or chemical parameters such as water temperature, and various frequencies of electric or magnetic pulses, PH, etc. At the same time, this system can monitor catfish's behavior by using an infrared sensor, a video camera system and vibration sensors. We introduce very preliminary results of our observation.