

TABLES

[Back to Children's Book](#)

Table 1: Earthquake precursors occurring several hours or days before earthquakes are thought to be electromagnetic phenomena

Sky and atmosphere:	Earthquake light, cloud or fog; yellow sky, short rainbows, haloed sun, elongated or red moon.
Animals	Run from the epicenter area, become unusually excitable, come out of hibernation, Face the same way, panic, literally die of shock.
Plants	Bloom unseasonally, wither and die, sway in still conditions, close their leaves.
Electric appliances	Malfunction, spontaneously switch off and on, make strange sounds
Land and sea	EM currents in the earth, rumbling in the earth, higher sea level
Well/hot spring water	Turbid, changes of level/temperature/radon concentration

Table 2: Malfunctioning home electric appliances before earthquakes

Appliance	Behavior
Car navigators	Fluctuation of the pointer arrow.
Clocks (quartz)	Stopping or sudden movements of the second hand. Fast forward and backward movement or delayed movement.
Fluorescent lamps	Dimming of light as during thunderstorms.
Intercoms	Spontaneous buzzing sounds, or not functioning.
Mobile phones	Ringling & light but no record of caller. Do not function, make odd sounds.
Radio (AM)	Spontaneous switching and loud sounds, pulsed noise.
Refrigerators	Strange compressor noises.
TVs	Spontaneous switching, speckling and flicker. Barber-pole color, lines, image distortion, white bands, loss of color, reversion to black and white, channel fluctuations

Table 3: Reported unusual animal behavior before earthquakes

<u>Mammals</u>	Nervous, restless, irritated, panic and “acting crazy”.
Human	Headache, nausea, urge to vomit, giddiness, dizziness, heart complaints, nervous disorders, hysteria, bad weather symptoms.
Dogs	Bark loudly, whine a lot, anxious. Act as if tracking an unseen enemy; panic and bite owners, bark and pull owners outside, howl endlessly.
Cats	Restless, meow pathetically, take kittens outside, climb high trees, twitch ears, lay ears back, leave home for days, disappear.
Rats	Disappear, fuss, panic, run along wires.
Horses	Stamp, snort, tremble, jump, buck, fall to the ground.
Cows	Bellow, crowd together, run away in panic.
Pigs	Aggressively bite each other, dig under fences, attempt to climb walls.
Deer	Leave bush and forest, do not fear humans, run to humans, run aimlessly.
Rabbits	Jump and run around.
Sea lions	Swim in zigzags, act agitatedly, fuss when out of the water, do not eat food.
Dolphins	Nervous, do not obey orders, leap out of the water.
Bats	Fly in the daytime.
<u>Birds</u>	Stop singing, become excited, flock restlessly, cry weirdly, some die.
Chickens	Flap wings, shriek as if in terror, fly, fly to roofs. Cocks crow at mid night.
Hens	Lay no eggs, or fewer eggs.
Ducks	Avoid entering water, cry, act aggressively, bite humans.
Sparrows	Flutter in swarms, flutter down while flying, no twittering.
Seagulls	Fly inland, mew in sky, stay away from the sea.
Parakeets	High pitched chirping, flutter wings, fly at night, stay on fence, die.
<u>Reptiles</u>	Come out of hibernation.
Crocodiles	Call, leave the water for land or leave cages for the forest.
Snakes	Come out to the open in winter, swarm in bamboo clumps in summer.
Turtles	Wake from hibernation, climb on others apparently in panic, run.
<u>Crabs</u>	Leave wet habitats and crawl ashore, large numbers found dead.
<u>Fish</u>	Float and align in one direction, leap out of water, move violently, die. Turn upside down, act as if in turmoil, swarm, bigger fishing catches. Deep sea fish appear near surface, do not eat, sea fish swim up rivers.
<u>Eels</u>	Crowd onshore, disappear.
<u>Insects</u>	
Ants	Leave habitats carrying their eggs, swarm, enter houses.
Bees	Evacuate hives in a frenzy, buzz agitatedly and sting aggressively .
Cockroaches	Swarm close to metal ware.
Dragonflies	Swarm and fly in one direction .
Earthworms	Come out of soil, congregate.
Flies	Swarm and cling to sweaty skin, fly in circles, rotate themselves.
Silkworms	Unusual alignment.

Table 4: Plant anomalies before earthquakes

Blooming early		Behavior
Potato	Two months	Vines bloom.
Apricot	Six weeks	Trees bloom in winter.
Early crops		
Rice	A few weeks before	Small plants, early crops, "bar-coding" on leaves.
Unusual movement		
Orchid	One day before	Sways without wind.
Mimosa	At or just before	Closes leaves and droops.
Tree leaves	Just before	Shake without wind.

Table 5: Earthquake precursor phenomena in the sky and atmosphere

Phenomena in the sky	Preseismic (time)	Coseismic
Earthquake light (EQL)	A day or a few hours	Flash and arc just before
Earthquake fog (EQF)	A few hours or just before	Sudden dense fog
Earthquake cloud (EQC)	A few days, 8 days	A dragon cloud appears
Yellow sky	A day	Becomes dark
Short rainbows	A few days	NA
Haloed sun	A day to a few hours	NA
Elongated or red moon	A day	NA
Stars appear close	A day	.NA

[Back to Children's Book](#)