

## Forum: [Hack Forums](#)

Thread: [Birdsong wakes up plants.](#)

**Lowkey** - March 17, 2026, 8:42 pm

I thought this was fascinating.

Birds sing in the morning and it "wakes up" the plants and such. A fun thought.

It's a bit more complicated then this (obviously), the true name of this phenomenon is:

acoustic mechanotransduction

The term falls under a broader field of plant mechanobiology.

They study how physical forces (wind, touch, sound) are converted into biochemical signals that alter plant physiology.

Plants have mechanosensitive ion channels that convert acoustic vibrations into biochemical signals.

(i.e the bird chirping)

Birds chirp at typically 1–8 kHz.

Then the acoustic waves create subtle vibrations in leaf tissues.

Plants translate these vibrations through 'Mechanosensitive Piezo Channels' / 'Reactive Oxygen Species (ROS) Signaling' / 'Microtubule Reorganization'

Research confirms that specific sound frequencies alter stomatal conductance.

I highly recommend combing over the subject.

<https://pubmed.ncbi.nlm.nih.gov/24985883/>

<https://www.sciencedirect.com/science/article/abs/pii/S0168945210001263>

Thoughts?

**Undead** - March 18, 2026, 12:50 am

Makes sense to me be. I believe that trees and plants are living beings who have sophisticated relationships with eachother and their surroundings including wild life.

**7** - March 18, 2026, 1:13 am

I think this total makes sense the only thing unnaturally attuned in this planet are humans.

Communications are usually vibrational level and all living things have a vibrational level

**Lowkey** - March 18, 2026, 8:19 am

10/10 topic the more I look into it.

**7** - March 18, 2026, 8:51 am

(Mar 18, 2026 08:19 AM)Lowkey Wrote: [\[CITE\]](#) 10/10 topic the more I look into it.

Weirdly I used to take my guitar to the lake when i was younger and when i played blues the fish would jump.

**Lowkey** - March 18, 2026, 12:39 pm

(Mar 18, 2026 08:51 AM)7 Wrote: [\[CITE\]](#) Weirdly I used to take my guitar to the lake when i was younger and when i played blues the fish would jump.

No doubt in response to the sound.