

Abstract Submitted
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Gravity Cancellation in Plants ORVIN WAGNER, Wagner Research Laboratory — I have measured a 22% reduction in gravity, at maximum sap flow, with an accelerometer placed in a small hole in a tree. Accelerometer manipulation indicates a possible reduction of 100% changing the geometry. This agrees with the author's related work indicating that plants are regulated by gravity related standing waves. There apparently are a limited set of plant internodal spacings (representing half wavelengths) and corresponding harmonically related frequencies. These repeat from plant to plant and from species to species. Measuring the angle of growth of a straight portion of a branch with respect to the horizontal or vertical most often yields an integral multiple of 5° with respect to the horizontal or vertical. Plants are well known to grow correction tissue to correct artificially produced angle errors. The velocities of the waves in plants are integral multiples of a basic velocity like 48cm/s, much greater than ionic velocities. Disturbing the standing waves in one tree seems to disturb the standing waves in nearby trees. The waves causing the disturbance are found to travel at about 5m/s horizontally in air (and probably vacuum) thus they are not sound waves. See chatlink.com/~oedphd.

- Prefer Oral Session
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Orvin Wagner
oedphd@chatlink.com
Wagner Research Laboratory

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