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JUNE 4, 1949

SCIENCE NEWS LETTER



®

THE WEEKLY SUMMARY OF CURRENT SCIENCE



Underground Reservoir

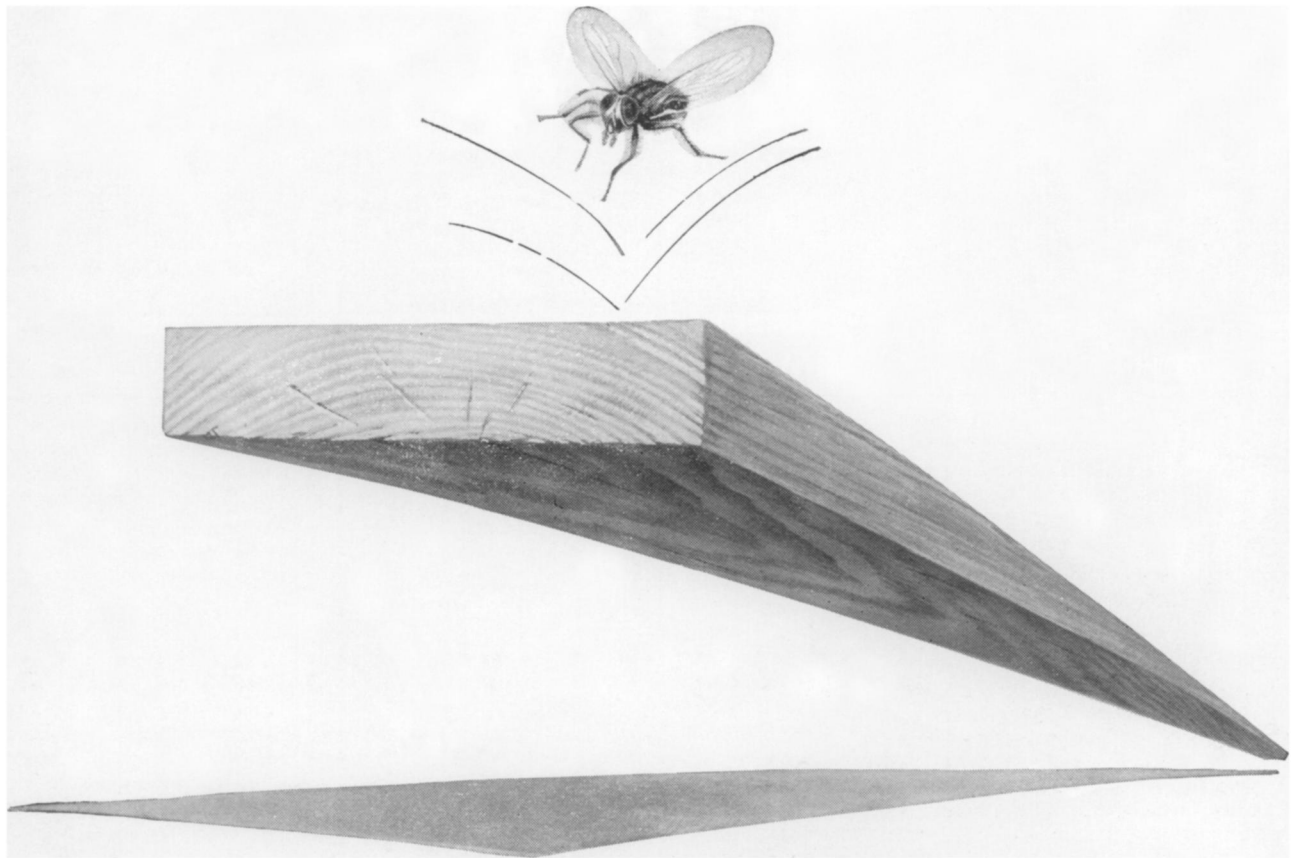
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A SCIENCE SERVICE PUBLICATION

\$5.50 A YEAR

VOL. 55 PAGES 353-368





Supersensitive electron tube, developed by RCA, makes possible more accurate measurement of minute vibrations.

Can a housefly make a board bounce?

Surprising though it seems, a fly—when it lands on a board—causes distinct vibrations. They can be detected by a remarkable new RCA electron tube.

Slimmer than a cigarette, and only half as long, RCA's tube picks up vibrations with a pin-sized shaft—and these vibrations may then be converted to visible or audible signals. More important, the new tube can be used to make measurements of the degree of vibration.

Scientists predict many practical uses for this *electronic transducer*. Airplane designers can hitch it to engines or whirling propellers and locate vibrations which might lead to trouble. Oil men can use it to measure the sound waves with which they scout for oil.

And your smooth-running automobile of the future may be an even better car when the facts gathered by RCA's new tube are put to work.

Another RCA "first":

This, the first electronic transducer, is only one research achievement pioneered at RCA Laboratories. Such leadership in science and engineering adds *value beyond price* to any product or service of RCA and RCA Victor.

Examples of the newest developments in radio, television and electronics can be seen at RCA Exhibition Hall, 36 West 49th St., N. Y. Admission is free. Radio Corporation of America, Radio City, N. Y. 20.



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