

ENTOMOLOGY

Glue Mosquitoes to Wires For Flight-Motions Study

➤ EXPERIMENTERS with miniature model airplanes might well look to entomology for pointers in handling ultra-small flying machines of the most fragile kinds. For Prof. Marshall Laird, of Victoria University College, in Wellington, New Zealand, has succeeded in gluing live mosquitoes to the ends of slender brass wire mounts, without harm to the insects. (*Science*, June 18)

The technique was developed in the course of studies of mosquito wing motions during flight, with the objective of making the insects fly "in place" before the lens of an ultra-highspeed camera. They were first lightly anesthetized, then attached to the wires with a touch of quick-setting glue on the backs of their thoraces or chest regions.

When the desired photographs had been taken, the mosquitoes were released by sharp taps on the wires. Returned to their feeding cages, they lived nearly as long as control insects on which no experiments at all had been performed, thus demonstrating that the mounting method had not interfered with normal functioning.

Science News Letter, July 10, 1948


MEDICINE

Chemicals Check Bleeding In Many Body Disorders

➤ SCORES of patients bleeding from leukemia or other disorders have had their bleeding stopped by doses of a dye, toluidine blue, or another chemical called protamine. For an exhibit demonstrating this discovery, Dr. J. Garrott Allen and associates of the University of Chicago received the American Medical Association Gold Medal at the association's meeting.

The chemicals do not cure leukemia, and they are not effective in hemophilia, hereditary bleeder's disease. They were discovered during search for means of combatting hemorrhage in irradiation damage, as from atom bombs. They stop the hemorrhage in irradiated dogs, but prolong life only slightly.

Science News Letter, July 10, 1948



Save-the-Redwoods

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SAVE-THE-REDWOODS LEAGUE
250 Administration Building,
University of California, Berkeley 4, Calif.

20th Century SPEECH AND VOICE CORRECTION

Edited by **EMIL FROESCHELS, M.D.**

AMONG the youngest branches of Science, ranks the physiology, pathology and therapy of speech and voice. The tremendous social importance of good speech and voice has urged scientists to contribute relatively more to this branch of science than to any other. Because of this, speech and voice therapy has developed to a remarkably high degree.

The editor has endeavored to point out the various aspects of speech and voice correction, and has chosen numerous collaborators well known in the field, to aid him in this task.

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