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Questions

ENGINEERING—How long-lasting are mercury-vapor lamps compared with incandescent lamps? p. 292.

GEOPHYSICS—How could the temperature inside a man-carrying satellite be controlled? p. 291.

MEDICINE—How long will an infant be protected from polio if its mother received polio vaccine during pregnancy? p. 299.

PHYSICS—What two experiments are not, so far, successfully predicted by the new neutrino theory of the forces of gravitation? p. 295.

PHYSIOLOGY—What is the scientific name for color-blind persons who confuse red and green? p. 293.

Photographs: Cover, pp. 291 and 293, Fremont Davis; p. 295, British Information Services, Inc.; p. 298, Howard Simons; p. 304, Eastman Chemical Products, Inc.

ENTOMOLOGY

Praying Mantis Lays Eggs For Early Summer Hatch

See Front Cover

► **INSECTS** OF the mantis group receive their name because of the strange "praying" position they assume.

With its jointed arms bent and held outward in a characteristic devotional attitude and its head raised upon a long and erect "neck" or prothorax, the mantis does appear to be praying.

The photograph on the cover of this week's SCIENCE NEWS LETTER shows one species in another characteristic pose, laying a mass of eggs. The young are hatched in early summer. The species is *Tenodera aridifolia sinensis* Saussure.

Science News Letter, May 10, 1958

Do You Know?

The Atomic Energy Commission has operated *reactors* at its several installations for a total of over 100 reactor years without a single fatality or even injury to operating personnel.

Moraines of rock and other fill deposited by glaciers in the Antarctic are 10,000 years old, compared with hundreds of years for some European and North American moraines.

Searchers have found individual blight-free *chestnut trees* in 36 states; they hope graftings will produce a new disease-free variety.

Gravity measurements are used to determine the shape of the earth, the true direction of the earth's center, and density of the material of the topmost layers.

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