Many hibernate; and there are all degrees of hibernation. Some, like ground squirrels and frogs, pass into a "death-seeming swoon," from which it is extremely difficult to arouse them without warming them up to springtime temperature. Others, like bears and some species of squirrels, sleep deeply or lightly, as particular environmental conditions dictate. Some bears go into their dens in autumn and are not seen again until spring. Others emerge during thaws and forage for a little extra food to supplement their stored fat. In the South, of course, bears do not hibernate at

Many animals, like hawks and owls, chickadees and nuthatches, the fox, wolf and weasel tribes, rabbits and quite a number of rodents, are able to find enough food to keep their life-fires going full blast all winter, especially since the majority of them are able to make or find warm shelter of some kind.

Science News Letter, November 14, 1953

An inch-square bar of a new titanium alloy containing aluminum and tin can withstand a pulling force of 110,000 pounds.

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ORNITHOLOGY

New Birds Discovered In Arabian Sultanate

► A NEW babbler, lark and warbler were discovered by an expedition of the Academy of Natural Sciences of Philadelphia to the Arabian Sultanate of Muscat and Oman.

William K. Carpenter headed the expedition to the independent Arab state which covers an 800-mile strip of coastline fronting on the Gulf of Oman and the Arabian Sea.

The new lark was named Ammomanes deserti taimuri, Muscat Desert Lark, in honor of Sultan Said bin Taimur of Muscat and Oman. Carpenter's Streaked Wren Warbler, Prinia gracilis carpenteri, was named for Mr. Carpenter. Turdoides squamiceps muscatensis, Muscat Brown Babbler, was the third subspecies discovered.

The lark is an exceptionally dull-colored, grayish race of desert larks. The Muscat Babbler has a shorter bill, wing and tail than its closest relatives and is less brownish in color. The new warbler has fine markings and is somewhat larger than similar birds found in India.

Complete descriptions of the new subspecies have been published by the Academy of Natural Sciences.

Science News Letter, November 14, 1953

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Questions

DENTISTRY—What is effect of adding antibiotics to tooth fillings? p. 312.

GENERAL SCIENCE—How does the defense effort curtail other research? p. 313.

INVENTION—How many patent copies are requested per day, on the average, at the Patent Office? p. 308.

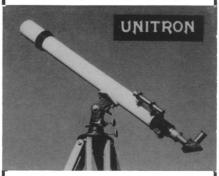
METEOROLOGY-What are the advantages of numerical forecasting over present methods? p. 309.

PHYSICS - Why is the "swindletron" so named? p. 310.

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