

EAST

WEST

## SOUTHERN SKIES IN JANUARY

3.3 years, and was last observed in 1928. It will probably be picked up by early spring. The comet known as Tempel III-Swift, because it was the third comet discovered by Tempel, and was independently found by Swift, may also return. It was discovered in 1869, and observed on three successive returns, the last in 1908. It has a period of 5.7 years, but since several returns have been missed, it may not be found this time. Neujmin's comet, discovered in 1913, and with a period of nearly 18 years, is also expected to make another visit. So is Schorr's comet, which has not been seen since 1918. Wolf's second periodic comet, discovered at the end of 1924, may also return, though it was only observed for a month at that time, and it was very faint and difficult to observe. Some of these comets may be completely missed, and it is quite certain that none will be bright enough to be seen without a telescope.

The year may also go down into history as one of a fine meteor shower. The Leonid meteors, which come every November, were more numerous in 1930 than they had been since 1901, and this may herald a really great shower in the next few years. November, 1931, may bring another, and even better, foretaste of what we may expect a little later. Then, of course, there are other meteor showers that are regular standbys. Of these, the Perseids, which come in August, are the most dependable.

Though 1931 will be a good eclipse year, considered by quantity, the quality will not be good. Five eclipses are coming, three of the Sun and two of the Moon, but none will be visible from the United States. The first, of the

Moon, comes on April 2. A couple of weeks later, on April 18, is one of the Sun, but it is only partial. The Moon will not completely obscure the Sun at any part of the Earth's surface, and so astronomers will make no particular effort to observe it. September 12 brings another solar eclipse, but it also is partial, and even smaller than the one in April. It will be seen from Alaska.

The second eclipse of the Moon, at which time the Moon enters the shadow of the Earth, comes on September 26, but it will not be seen from any part of North America. The third solar eclipse will come on October 11, and while it will be more nearly total than its two predecessors, it will also be partial. The people of southern South America, and the penguins around the south pole, will be able to see it.

*Science News Letter, January 3, 1931*

## PALEONTOLOGY

## Antelope Fossils Found In Southwestern Cave

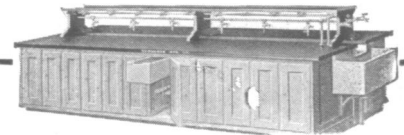
**F**OSSILS of two extinct species of antelope, and of one antelope species still living, were found in Shelter Cave, 38 miles north of El Paso, Texas, Prof. Chester Stock of the California Institute of Technology reported before the meeting of the Paleontological Society in Toronto.

The existing species, which may be of slightly later date in the cave deposits, is the familiar pronghorn, which used to swarm in countless herds on the western plains and is still found in diminished numbers from Yellowstone National Park westward and southwestward into Idaho, Oregon and Nevada.

*Science News Letter, January 3, 1931*

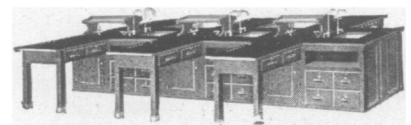
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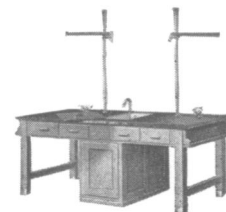
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