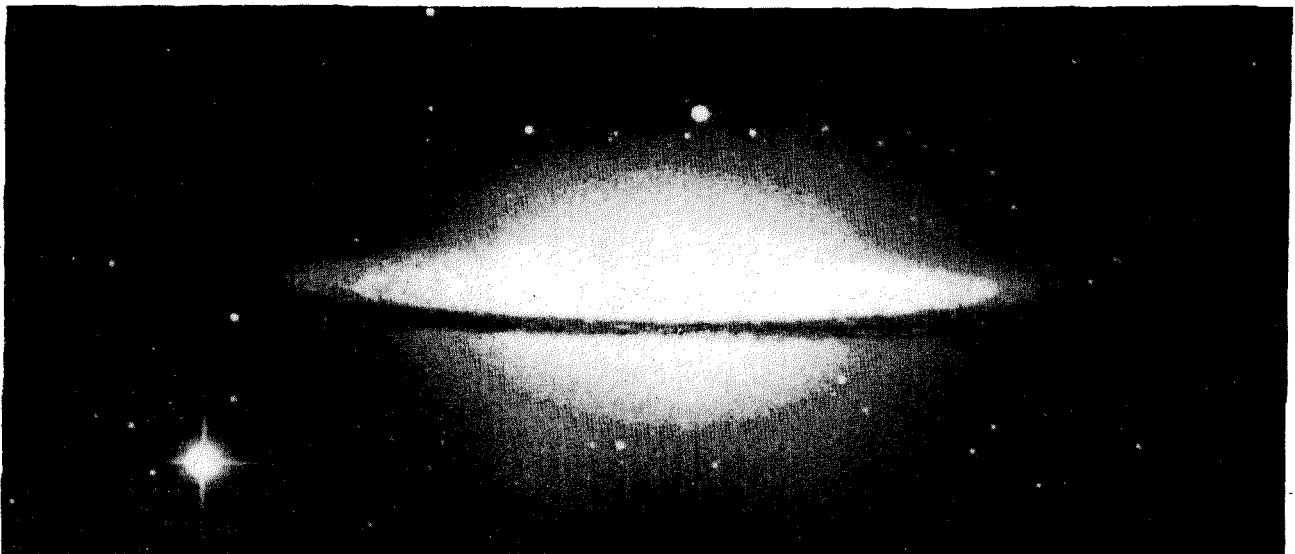


NEW PALOMAR PICTURES

The 200-inch telescope has now taken about 1,000 pictures. Though most of these are working negatives, of interest only to astronomers, some are as spectacular as the samples shown on these pages.

These nebulae in the constellation Leo are of four distinct types: (a) globular, showing no trace of structure; (b) spiral, showing strong band of obscuration; (c) later spiral form, showing arms and starlike details; (d) barred type of spiral, bar extending across nucleus, spiral arms appearing to originate at ends of bar.



This spiral nebula in the constellation of Virgo is 8,000,000 light years away from the earth (one light year being six million million miles). It is in rapid rotation, makes one complete revolution in about 25 million years.



Great nebula in the Constellation of Orion is part of our Milky Way, contains both dark and bright nebulosity.



Average distance between stars in this cluster is about 50,000 times the distance of the earth from the sun.



Spiral nebula seen edge-on. The dark line, made up of dust, is absorbing matter which blots out nebulosity.



This spiral is actually a double nebula—the brighter being one of the few whose arms can be seen in a telescope.