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COVER

Three long-exposure photographs, taken with the wide angle, 48-inch (120-cm) Schmidt telescope at Mount Palomar, are printed together to show a faintly luminous, previously unknown feature around one end of the spiral galaxy M81. The oval insert shows the spiral galaxy as it appears on a normal photograph taken with the 200-inch (500-cm) telescope. The whole inserted area and more is completely burned out on the combined print which shows the faint ring. The exploding galaxy M82 is at the top edge of the photograph. See page 363. [William Miller]