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**COVER** Peculiar galaxy Arp 230, believed to be the remnant of a recent merger of two galaxies. The striking, sharp-edged ripples on either side of the center consist mostly of old stars that may have belonged to an intruding disk galaxy. Model calculations suggest that this intruder plunged into the main galaxy on a near-radial orbit. Gaseous debris, dust, and young stars form a disk seen here as black oval near the center. See page 227. [Photograph taken by F. Schweizer with a 4-meter telescope at Cerro Tololo, Chile, and computer-enhanced with Astronomical Image Processing System, Department of Terrestrial Magnetism, Carnegie Institution of Washington, Washington, DC 20015]

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