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Published monthly by the American Geophysical Union from 2901 Byrdhill Road, Richmond, Virginia 23228. Editorial and Advertising Offices: 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037. Subscription rate: \$5.00 for calendar year 1971; this issue \$1.50. Second class postage paid at Richmond, Virginia.

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AMERICAN GEOPHYSICAL UNION
VOL. 52, NO. 11, NOVEMBER 1971

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Cover San Francisco scenes. Top left, Telegraph Hill from Lombard Street; bottom, Chinatown; right, Coit Tower. (Photos by Leonard Levin)

EOS is devoted to the publication of contributions dealing with the interface of all aspects of geophysics with society, and of semitechnical reviews of currently exciting areas of geophysics. Through EOS earth scientists should enjoy keeping abreast of new activity and be better prepared to face their own work with a broad perspective. This journal is an effective way to address or redress those who are involved in the study of the earth and its environment in space.

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Light Colored Swirls in the Lunar Maria. Groups of light colored markings with discontinuous sinuous patterns occur in three maria: 1) The most typical example is in Mare Ingenii where the swirls occupy much of its SW quadrant; 2) A similar group lies north of Mare Marginus especially west of Goddard and NE of Ibn Yunus; 3) A somewhat atypical occurrence includes the Reiner γ structure and associated bright markings in Oceanus Procellarum. These swirls are best seen at small phase angles, however, because of their high albedo, they are also detectable at low sun. The swirls vary considerably in shape and size. In all cases there are no topographic expressions associated with them. The following relationships are noted: 1) The swirls of Mare Ingenii lie diametrically opposed to the center of Mare Imbrium; 2) The swirls of Mare Marginus lie on the opposite side of Mare Orientale; and 3) The markings in Oceanus Procellarum are opposite to a point within one crater diameter of Tsiolkovsky. It is proposed that these markings are produced as a result of disturbances caused by major impacts; the disturbances may have been caused by seismic wave penetrations at the antipodal areas of impact points.