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Power plant emissions discharged directly into a marine fog bank along the central California coast at Morro Bay. Fog and cloud droplets appear to provide a propitious environment for the rapid oxidation of sulfur dioxide to sulfate and for the scavenging of gas phase nitric acid and ammonia. Fog water collected in various urban locations in California was found to have higher concentrations of sulfate, nitrate, and ammonium ion than previously observed in acidic precipitation. The pH of fog water in Los Angeles was found to be routinely in the range of 2.2 to 4.0. See page 677. [J. William Munger, California Institute of Technology, Pasadena 91125]
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