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**COVER**

Aircraft used in atmospheric electrical research for detection of organized convection (top left). The vertical electric field was measured between radioactive probes above and below the left wing tip. Much of the data were gathered during extended duration passes 5 meters above the ocean (bottom left). Layers of positive space charge exist at the top of the atmospheric haze layer (right) and within 150 meters of the ocean. See page 1171.

[B. J. Kaplan, Newton, Massachusetts]
Editor's Summary