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Oceanography and Atmospheric Sci. Meteorology

STUDIES OF EFFECTS OF BOUNDARY MODIFICATION IN PROBLEMS OF SMALL AREA METEOROLOGY

Authors: [Heinz H. Lettau](#); [Charles R. Stearns](#); [WISCONSIN UNIV-MADISON DEPT OF METEOROLOGY](#)

Abstract: Contents: Evapotranspiration climatology; Estimates of vorticity, divergence, and vertical velocity in a surface layer; Thermal response of a plant canopy to drifting **cloud** shadows; Thermal response of a concrete slab to controlled daytime and nighttime cycles of radiation; Topographic influence on tornado tracks and frequencies in Wisconsin and Arkansas; The theory of variangular wind spirals; The determination of the surface roughness from wind speed and air temperature profiles in the surface layer; Thermo-tidal winds in an equivalent barotropic boundary layer; Note on aerodynamic roughness-parameter estimation on the basis of roughness-element description; The surface heat budget of the Pampa de La Joya, Peru.

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