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Temperature in the sun! Sometimes the question is asked:
"Can one buy a thermometer that is not affected by the sun?"
Of course, the answer is no. The temperature of the air in
the sunshine is the same as that in the shade if there is good
ventilation. A thermometer hung in the air assumes a temper-
ature which is the result of conduction of heat from the air
to the instrument, or vice versa, and of the radiation from
it and to it from surrounding objects. To cut out the in-
tense radiation from the sun and to enable the thermometer
to represent as closely as possible the air temperature, the
instrument should be whirled in the shade and read several
times as quickly as possible until the last two readings
agree.
