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Radiation! Every book on the weather has or should have a chapter on radiation in connection with the atmosphere. Everyone realizes how important sunshine (radiation from the sun) is to animal and plant life. The weatherman, in studying weather processes taking place in the atmosphere, must know the effects of radiation from sun, sky, earth and atmosphere. When radiations from these sources penetrate the atmosphere some of it is lost by reflection or absorption. Therefore measurements of radiation are made at the sources, be they sun, sky or earth, and also after going through the air.