

For release            By Major A.H. Thiessen  
May 4, 1940        Science Service Meteorologist

The sun and the weather! Scientists are interested in knowing not only how much of the sun's heat energy daily reaches the earth's surface but also how much reaches the top of the atmosphere. This latter indicates whether the amount given out by the sun is variable or constant. Since the top of the atmosphere can not be reached, measurements at the surface and on top of a mountain give sufficient data to estimate the value of the sun's radiation at the top of the atmosphere. It has been found that the amount varies about 5% to either side of the average. And since the energy of the atmospheric circulation is dependent upon the amount of heat received, the question studied is how this variation affects our weather.