

WEATHER GUIDE

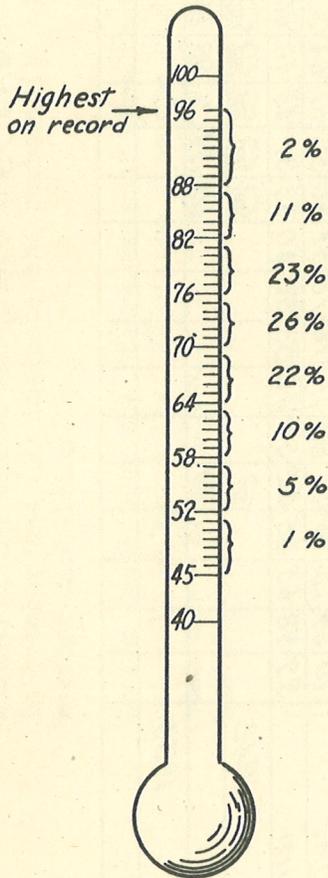
FOR

RALEIGH, N. C.

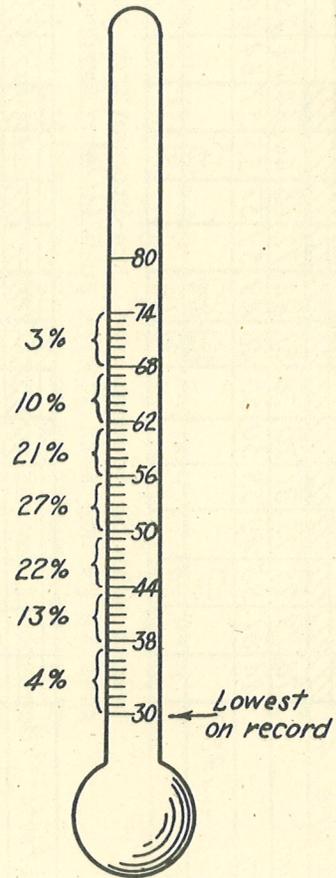
OCTOBER

DAILY HIGHEST and LOWEST TEMPERATURES
FREQUENCY of OCCURRENCE in OCTOBER
1892 - 1945

HIGHEST
EACH DAY



LOWEST
EACH DAY



STATE FAIR EDITION

HOW TO USE THE WEATHER GUIDE. The WEATHER GUIDE does not forecast the weather. The charts and graphs show (1) what the weather has been like in October and (2) indicate the probability of the occurrence of various weather conditions.

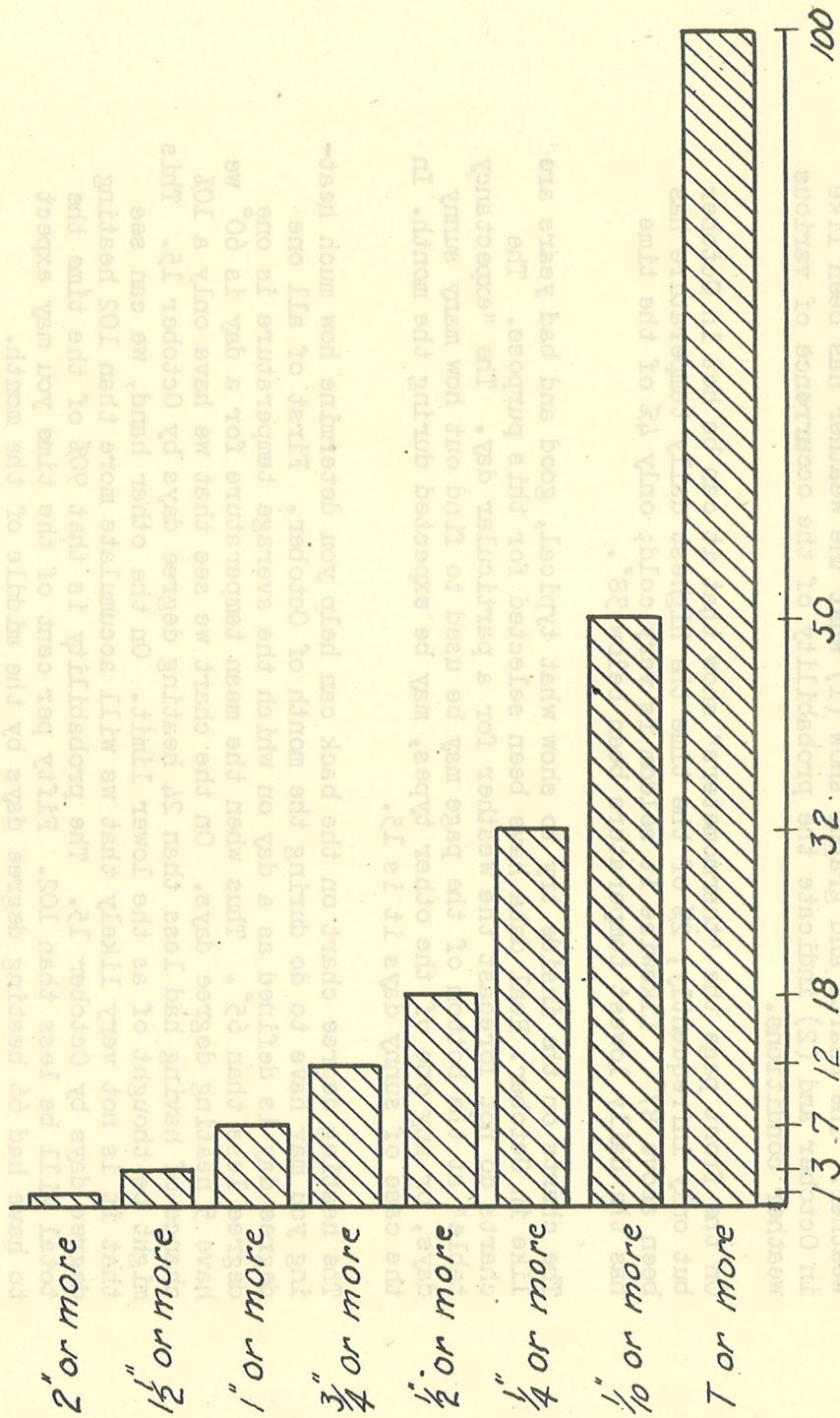
On the front page the "thermometers" show that it can be hot in October but only infrequently; 2% of the time the highest daily temperature has been above 87°. Likewise it seldom is very cold; only 4% of the time has the daily lowest temperature been below 38°.

The charts on the inside try to show what typical, good and bad years are like in October. Real data have been selected for this purpose. The charts do not forecast the weather for a particular day. The "expectancy table" at the bottom of the page may be used to find out how many sunny days, or any one of the other types, may be expected during the month. In the case of sunny days it is 15.

The heating degree chart on the back can help you determine how much heating you may have to do during the month of October. First of all one degree day is defined as a day on which the average temperature is one degree less than 65°. Thus when the mean temperature for a day is 60° we have 5 heating degree days. On the chart we see that we have only a 10% chance of having had less than 24 heating degree days by October 15. This might be thought of as the lower limit. On the other hand, we can see that it is not very likely that we will accumulate more than 102 heating degree days by October 15. The probability is that 90% of the time the total will be less than 102. Fifty per cent of the time you may expect to have had 66 heating degree days by the middle of the month.

On the back of this sheet you will find a rainfall chart. From this chart you can learn how much rain you may expect on any day during October when it rains. One out of every two times it rains you may expect more than a tenth of an inch of rainfall, and one of three times more than a quarter of an inch.

PROBABILITY of the OCCURRENCE of
VARIOUS RAINFALL AMOUNTS
WHENEVER RAIN OCCURS



PROBABILITY SCALE, 1 to 100

ACCUMULATIONS of HEATING DEGREE DAYS as of INDICATED DATES with PER CENT PROBABILITIES of 10, 25, 50, 75 and 90

