

SNOW MEASUREMENT GUIDE

OBSERVERS WITH NON-RECORDING GAGES RECORD THREE MEASUREMENTS WHEN IT SNOWS

1. WATER IN THE SNOW

Record in this column to inches and hundredths.

Melt contents of gage and measure like rain. If high winds have blown snow out of the gage, the outer container is used to obtain a substitute sample from the snow on the ground where the depth represents the amount that fell since yesterday's observation.

RECORD OF CLIMATOLOGICAL OBSERVATIONS
Time of observation (local time) if once daily... 6 P.M.
If at different times, temperature.....precipitation.....

| PRECIPITATION | | | | WEATHER CALENDAR | | | |
|----------------|-----------------|-----|----|------------------|-------|---------|---------|
| Observed and a | 24 HOUR AMOUNTS | | | Fog | Sleet | Thunder | Thunder |
| 10 | 11 | 12 | 13 | | | | |
| | .22 | 2.0 | 2 | | | | |
| | .35 | 3.0 | 5 | | | | |
| | T | T | 4 | | | | |
| | T | T | 2 | | | | |
| | T | T | T | | | | |
| | .11 | 0.9 | 1 | | | | X |
| | | | 0 | | | | |

3. DEPTH OF SNOW ON THE GROUND AT OBSERVATION TIME

Record in this column to nearest inch--if less than 1/2 inch, record "T".

Any time there is snow on the ground at observation time record average depth on ground at observation time. Include old snow as well as newly fallen snow.

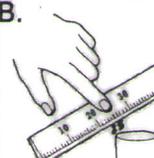
2. SNOWFALL SINCE YESTERDAY'S OBSERVATIONS

Record in this column to the nearest 0.1 inch.

Find some place where the freshly fallen snow is least drifted and is about average depth for the locality. Measure the depth of the snow which fell since yesterday's observation. Report an estimate if the snow melted before observation time.

When significant amounts of new snowfall have occurred round off to the nearest inch and record as, for example, 2.0 and 3.0. (Record as 2.0 not 2, 3.0 not 3).

A.  Pour some warm water into the tube

B.  Measure

1

C.  Empty into the can to melt the snow

D.  Empty the can into the tube

E.  Measure

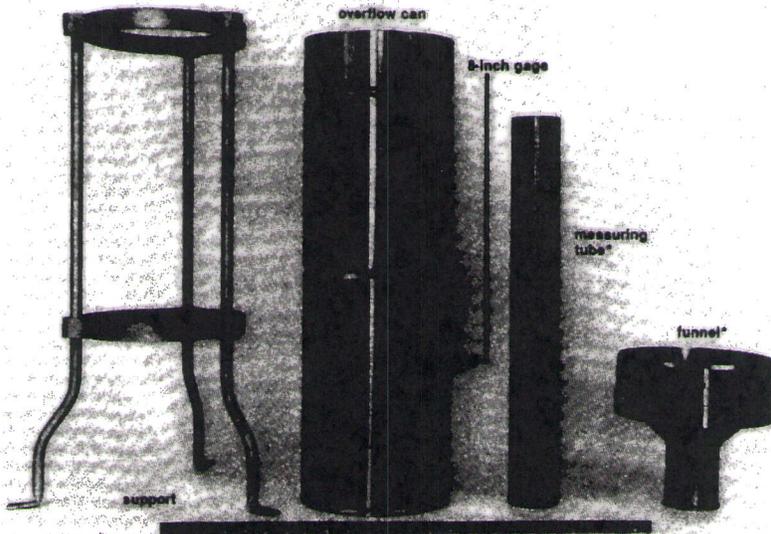
F.  Subtract the first measurement from the second

G.

| 24 HOUR AMOUNTS | | At obsn. |
|--|-----------------------------------|---|
| Rain, Melted Snow, etc. (ins. & hundths) | Snow, Sleet, Hail (ins. & tenths) | Snow, Sleet, Hail, Ice on gnd. (inches) |
| .13 | 1.0 | T |

Record the difference in the melted snow column.

At the beginning of the snowfall season only the 8-inch gage can be exposed to catch the snow. The funnel and measuring tube are removed at the beginning of the snowfall season. The measuring tube is used to measure the water from the melted snow.



* removed during winter months

snow won't fall in representative quantity into the gage if the funnel and measuring tube are not removed.

(See reverse side for steps 2 and 3)

