Form No. 1009—Mo(1)

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

## COOPERATIVE OBSERVERS' METEOROLOGICAL RECORD:

Month of February, 1944; Station, N.S.H., Newberry; County, Luce

Hour of Observation, 8-9 PM

State, Michigan; Latitude, 46°20'N; Longitude, 85°30'W; Time used on this form, 1 hr. 20 m.

| DATE | TEMPERATURE Maximum 1 | Minimum 2 | Range 3 | *Obs'r's 4 | PRECIPITATION Time of Beginning 5 | Time of Ending 6 | †Amount 7 | Snowfall, in Inches 8 | Depth of Snow on Ground at Time of Observation 9 | Prevailing Wind Direction 10 | Character of Day Sunrise to Sunset 11 | ‡Miscellaneous Phenomena |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 31° | 19° | 12° | 30° | 1.45 PM | 9.40 PM | T | 0.1 | 6.9 | W | Cloudy | |
| 2 | 30° | 20° | 10° | 24° | 8.30 PM | AM | T | 0.2 | 5.6 | NW | Clear | Heavy drifting |
| 3 | 24° | 11° | 13° | 15° | | | | | 5.4 | N | Clear | |
| 4 | 23° | 10° | 13° | 23° | | | | | 5.9 | SE | P.C. | 6.30 PM 45° Lunar Halo |
| 5 | 25° | 20° | 5° | 25° | | 8.45 PM | 0.02 | 0.3 | 7.1 | SW | P.C. | |
| 6 | 31° | 24° | 7° | 27° | 8.45 PM | 8.45 PM | 0.04 | 1.2 | 7.0 | NE | Cloudy | Melting in sun |
| 7 | 27° | 12° | 15° | 16° | 8.45 PM | PM | 0.06 | 2.0 | 8.5 | NE | P.C. | Very light, drifting snow |
| 8 | 28° | 18° | 13° | 22° | 8.45 PM | Noon | 0.20 | 3.5 | 13.0 | N | Clear | 36 mph wind at N.H.P. radio |
| 9 | 22° | 6° | 16° | 12° | | | | | 13.0 | N | Clear | |
| 10 | 23° | 9° | 14° | 20° | | | | | 12.7 | SW | P.C. | 7.30 PM 45° Lunar Halo |
| 11 | 31° | 18° | 13° | 28° | | | | | 13.0 | E | Cloudy | |
| 12 | 36° | 21° | 15° | 36° | 3 PM | 7 PM | T | T° | 12.7 | SE | Cloudy | Snow melting as fell |
| 13 | 40° | 33° | 7° | 34° | Noon | 8.45 PM | 0.33 | 0.0 | 11.7 | S | Cloudy | |
| 14 | 34° | 18° | 16° | 19° | 9 PM | 6.30 PM | 0.04 | 0.7 | 12.2 | N | Cloudy | 8.45-9.10 PM Hard storm? |
| 15 | 21° | 14° | 7° | 18° | AM | 6 PM | 0.04 | 1.0 | 12.7 | W | Cloudy | Snow flurries |
| 16 | 21° | 14° | 7° | 21° | 8.30 PM | 8.30 PM | 0.01 | 0.4 | 12.8 | S | P.C. | |
| 17 | 21° | 15° | 6° | 16° | 8.30 PM | 6 PM | 0.25 | 5.0 | 13.9 | W | Cloudy | High W'ly wind |
| 18 | 16° | 12° | 4° | 15° | 9 PM | 9 PM | 0.03 | 1.0 | 13.0 | NW | P.C. | 20 mph NW wind 11.15-6 PM |
| 19 | 17° | 10° | 7° | 17° | 9 PM | 9 PM | 0.05 | 1.5 | 12.5 | NW | Cloudy | 36 mph N " " " |
| 20 | 23° | 16° | 7° | 23° | 9 PM | 6 PM | 0.01 | 0.7 | 12.4 | NW | Cloudy | |
| 21 | 26° | 22° | 4° | 25° | 9 PM | 8.45 PM | T | T | 12.0 | NW | Cloudy | Extremely Lt. Flurries |
| 22 | 31° | 20° | 11° | 21° | 8.45 PM | and Night | 0.01 | 0.2 | 12.5 | N | Clear | |
| 23 | 21° | 11° | 10° | 16° | | | | | 12.2 | N | Clear | |
| 24 | 29° | 11° | 18° | 21° | 1.30 PM | 8.00 PM | 0.06 | 2.0 | [illegible] | S | P.C. | Aur. Bor. thru hide 23/24 |
| 25 | 21° | 10° | 11° | 14° | 9 PM | 9 PM | 0.04 | 2.0 | 14.5 | NW | Cloudy | |
| 26 | 18° | 5° | 13° | 9° | Midn | AM | T | T | 13.0 | NE | Clear | Snow flurries |
| 27 | 21° | 0° | 21° | 12° | | | | | 13.5 | NE | Clear | |
| 28 | 22° | 8° | 22° | 14° | | | | | 13.2 | N | Clear | |
| 29 | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | |
| SUM | 715 | 396 | 317 | 574 | | | 1.12 | 21.8 | | N | | |
| MEAN | 25.5 | 14.1 | 11.3 | 20.5 | | | | | | | | |

‡ 13 Measurements in 200' x N.S. line in Hosp. Bldg. Quadr. averaged 1.61 = 19.3 snow-depth. Better than 13.2.

* Reading of maximum thermometer immediately after setting.
† Including rain, hail, sleet, and melted snow.
‡ Thunderstorms, halos, auroras, etc.

(IN TRIPLICATE) See cover for instructions.

H. A. H. — Cooperative Observer.

Post Office Address, Box 35

## MONTHLY SUMMARY

### TEMPERATURE

Mean maximum, 25.5°

Mean minimum, 14.1°

Mean, 19.8°

Maximum, 40°; date, 13th

Minimum, 0°; date, 27th, 28th

Greatest daily range, 22°

### PRECIPITATION

Total, 1.19 inches

Greatest in 24 hours, 0.33; date, 13th

### SNOW

Total snowfall, 21.8 inches

On ground 15th, 12.7 inches

At end of month, ~~19.3 on 13th~~ inches

### NUMBER OF DAYS—

With .01 inch or more precipitation, 15

Clear, 9; partly cloudy, 7; cloudy, 12

### DATES OF—

Fog: Light, ; Dense,

Killing frost, all except 13th

Thunderstorms, C1 C2

Hail: Light, ; Moderate, L3 ; Heavy,

Sleet,

Auroras, 1 on 23/24

### REMARKS:

4th 9 P.M. Dense NE to SW cloud front moving SE ly, app. to ground-wind. *11th on 8th may have been 13.0 due rise const. 10th Mid. afternoon & fewer Cu rapid to SE Mid Cirrus, Upper Stratus, nearly Poly. Tobacco and Fir - W.S. 20/0707 pH=7.0 12th = 70 5.27 pH=7.5 23rd = 707.50 pH=7.0