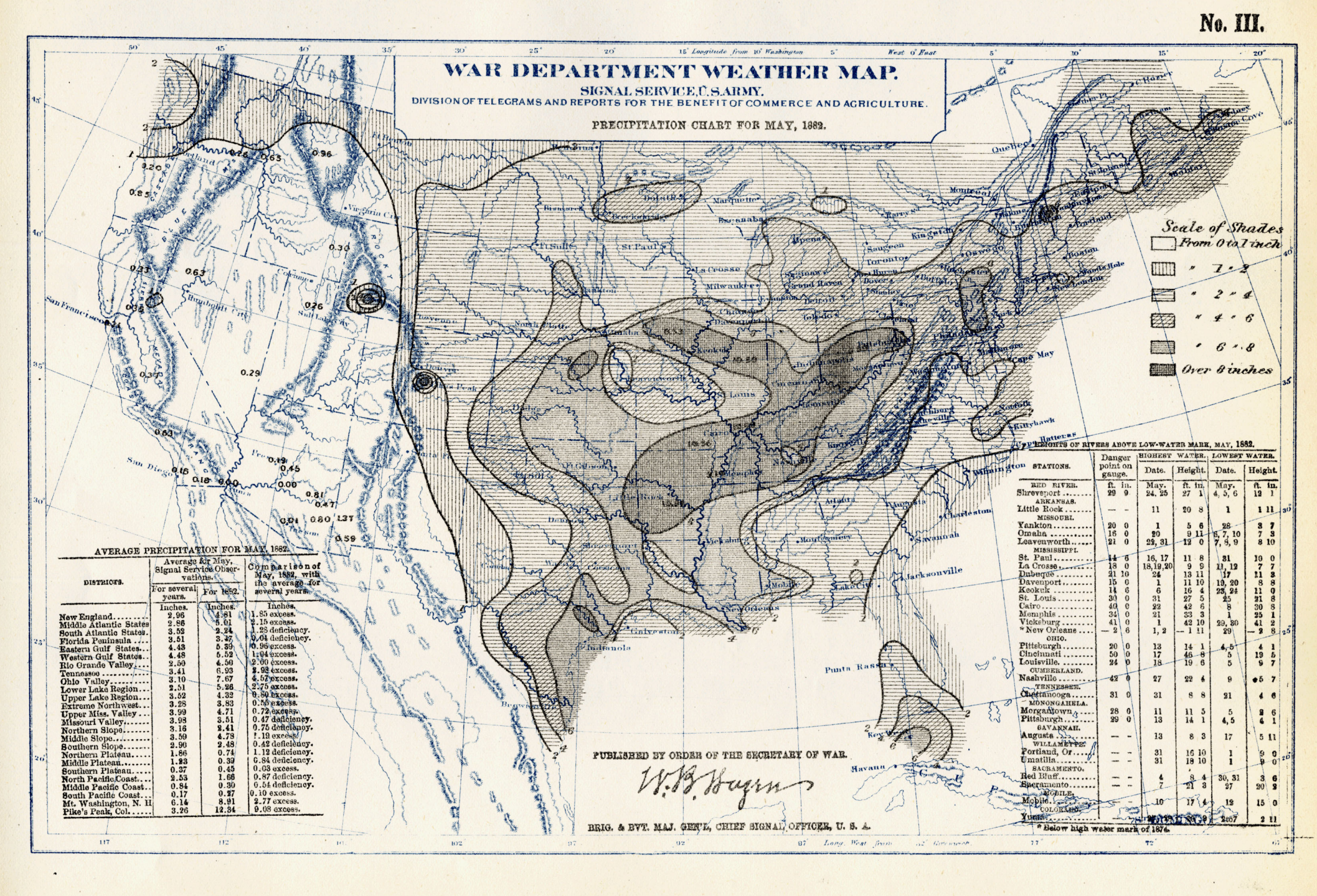
No. III.

# WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U.S. ARMY.

DIVISION OF TELEGRAMS AND REPORTS FOR THE BENEFIT OF COMMERCE AND AGRICULTURE.

PRECIPITATION CHART FOR MAY, 1882.




AVERAGE PRECIPITATION FOR MAY, 1882.

| DISTRICTS. | Average for May, Signal Service Observations. For several years. | Average for May, Signal Service Observations. For 1882. | Comparison of May, 1882, with the average for several years. |
|---|---|---|---|
| | Inches. | Inches. | Inches. |
| New England | 2.96 | 4.81 | 1.85 excess. |
| Middle Atlantic States | 2.86 | 5.01 | 2.15 excess. |
| South Atlantic States | 3.52 | 2.24 | 1.28 deficiency. |
| Florida Peninsula | 3.51 | 3.47 | 0.04 deficiency. |
| Eastern Gulf States | 4.43 | 5.39 | 0.96 excess. |
| Western Gulf States | 4.48 | 5.52 | 1.04 excess. |
| Rio Grande Valley | 2.50 | 4.50 | 2.00 excess. |
| Tennessee | 3.41 | 6.93 | 3.52 excess. |
| Ohio Valley | 3.10 | 7.67 | 4.57 excess. |
| Lower Lake Region | 2.51 | 5.26 | 2.75 excess. |
| Upper Lake Region | 3.52 | 4.32 | 0.80 excess. |
| Extreme Northwest | 3.28 | 3.83 | 0.55 excess. |
| Upper Miss. Valley | 3.99 | 4.71 | 0.72 excess. |
| Missouri Valley | 3.98 | 3.51 | 0.47 deficiency. |
| Northern Slope | 3.16 | 2.41 | 0.75 deficiency. |
| Middle Slope | 3.59 | 4.78 | 1.19 excess. |
| Southern Slope | 2.90 | 2.48 | 0.42 deficiency. |
| Northern Plateau | 1.86 | 0.74 | 1.12 deficiency. |
| Middle Plateau | 1.23 | 0.39 | 0.84 deficiency. |
| Southern Plateau | 0.37 | 0.45 | 0.03 excess. |
| North Pacific Coast | 2.53 | 1.66 | 0.87 deficiency. |
| Middle Pacific Coast | 0.84 | 0.30 | 0.54 deficiency. |
| South Pacific Coast | 0.17 | 0.27 | 0.10 excess. |
| Mt. Washington, N. H | 6.14 | 8.91 | 2.77 excess. |
| Pike's Peak, Col. | 3.26 | 12.34 | 9.08 excess. |

PUBLISHED BY ORDER OF THE SECRETARY OF WAR.

W. B. Hazen

BRIG. & BVT. MAJ. GEN'L, CHIEF SIGNAL OFFICER, U. S. A.

HEIGHTS OF RIVERS ABOVE LOW-WATER MARK, MAY, 1882.

| STATIONS. | Danger point on gauge. | HIGHEST WATER. Date. | HIGHEST WATER. Height. | LOWEST WATER. Date. | LOWEST WATER. Height. |
|---|---|---|---|---|---|
| | ft. in. | May. | ft. in. | May. | ft. in. |
| RED RIVER. | | | | | |
| Shreveport | 29 9 | 24, 25 | 27 1 | 4, 5, 6 | 12 1 |
| ARKANSAS. | | | | | |
| Little Rock | — — | 11 | 20 8 | 1 | 1 11 |
| MISSOURI. | | | | | |
| Yankton | 20 0 | 1 | 5 6 | 28 | 3 7 |
| Omaha | 18 0 | 20 | 9 11 | 5, 7, 10 | 7 3 |
| Leavenworth | 21 0 | 22, 31 | 12 0 | 7, 8, 9 | 8 10 |
| MISSISSIPPI. | | | | | |
| St. Paul | 14 6 | 16, 17 | 11 8 | 31 | 10 0 |
| La Crosse | 18 0 | 18,19,20 | 9 9 | 11, 12 | 7 7 |
| Dubuque | 21 10 | 24 | 13 11 | 17 | 11 3 |
| Davenport | 15 0 | 1 | 11 10 | 19, 20 | 8 8 |
| Keokuk | 14 6 | 6 | 16 4 | 23, 24 | 11 0 |
| St. Louis | 30 0 | 31 | 27 5 | 25 | 21 8 |
| Cairo | 40 0 | 22 | 42 6 | 8 | 30 8 |
| Memphis | 34 0 | 21 | 33 3 | 1 | 25 1 |
| Vicksburg | 41 0 | 1 | 42 10 | 29, 30 | 41 2 |
| *New Orleans | — 2 6 | 1, 2 | — 1 11 | 29 | — 2 8 |
| OHIO. | | | | | |
| Pittsburgh | 20 0 | 13 | 14 1 | 4, 5 | 4 1 |
| Cincinnati | 50 0 | 17 | 46 8 | 5 | 19 5 |
| Louisville | 24 0 | 18 | 19 6 | 5 | 9 7 |
| CUMBERLAND. | | | | | |
| Nashville | 42 0 | 27 | 22 4 | 9 | •5 7 |
| TENNESSEE. | | | | | |
| Chattanooga | 31 0 | 31 | 8 8 | 21 | 4 6 |
| MONONGAHELA. | | | | | |
| Morgantown | 28 0 | 11 | 11 5 | 5 | 2 6 |
| Pittsburgh | 29 0 | 13 | 14 1 | 4, 5 | 4 1 |
| SAVANNAH. | | | | | |
| Augusta | — — | 13 | 8 3 | 17 | 5 11 |
| WILLAMETTE. | | | | | |
| Portland, Or | — — | 31 | 16 10 | 1 | 9 0 |
| Umatilla | — — | 31 | 18 10 | 1 | 9 0 |
| SACRAMENTO. | | | | | |
| Red Bluff | — — | 4 | 8 4 | 30, 31 | 3 6 |
| Sacramento | — — | 7 | 21 3 | 27 | 20 3 |
| MOBILE. | | | | | |
| Mobile | — — | 10 | 17 4 | 12 | 15 0 |
| COLORADO. | | | | | |
| Yuma | | | | | 2 11 |

* Below high water mark of 1874.