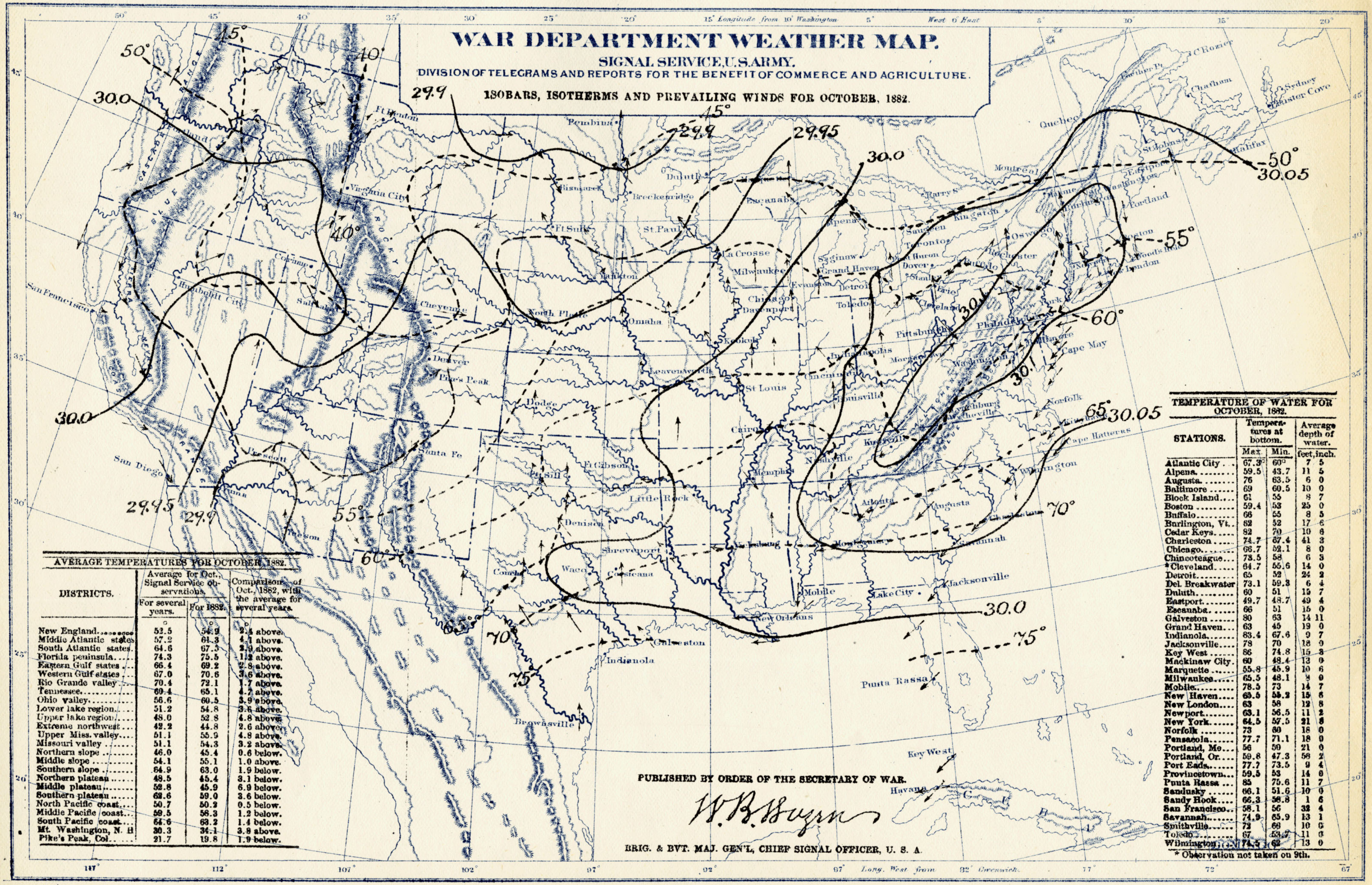
No. II.

# WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U.S. ARMY.

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

ISOBARS, ISOTHERMS AND PREVAILING WINDS FOR OCTOBER, 1882.




| AVERAGE TEMPERATURES FOR OCTOBER, 1882. | | | |
|---|---|---|---|
| DISTRICTS. | Average for Oct., Signal Service observations. For several years. | Average for Oct., Signal Service observations. For 1882. | Comparison of Oct., 1882, with the average for several years. |
| | ° | ° | ° |
| New England | 52.5 | 54.9 | 2.4 above. |
| Middle Atlantic states | 57.2 | 61.3 | 4.1 above. |
| South Atlantic states | 64.6 | 67.5 | 2.9 above. |
| Florida peninsula | 74.3 | 75.5 | 1.2 above. |
| Eastern Gulf states | 66.4 | 69.2 | 2.8 above. |
| Western Gulf states | 67.0 | 70.6 | 3.6 above. |
| Rio Grande valley | 70.4 | 72.1 | 1.7 above. |
| Tennessee | 60.4 | 65.1 | 4.7 above. |
| Ohio valley | 56.6 | 60.5 | 3.9 above. |
| Lower lake region | 51.2 | 54.8 | 3.6 above. |
| Upper lake region | 48.0 | 52.8 | 4.8 above. |
| Extreme northwest | 42.2 | 44.8 | 2.6 above. |
| Upper Miss. valley | 51.1 | 55.9 | 4.8 above. |
| Missouri valley | 51.1 | 54.3 | 3.2 above. |
| Northern slope | 46.0 | 45.4 | 0.6 below. |
| Middle slope | 54.1 | 55.1 | 1.0 above. |
| Southern slope | 64.9 | 63.0 | 1.9 below. |
| Northern plateau | 48.5 | 45.4 | 3.1 below. |
| Middle plateau | 52.8 | 45.9 | 6.9 below. |
| Southern plateau | 62.6 | 59.0 | 3.6 below. |
| North Pacific coast | 50.7 | 50.2 | 0.5 below. |
| Middle Pacific coast | 59.5 | 58.3 | 1.2 below. |
| South Pacific coast | 64.6 | 63.2 | 1.4 below. |
| Mt. Washington, N. H | 30.3 | 34.1 | 3.8 above. |
| Pike's Peak, Col | 21.7 | 19.8 | 1.9 below. |

| TEMPERATURE OF WATER FOR OCTOBER, 1882. | | | | |
|---|---|---|---|---|
| STATIONS. | Temperatures at bottom. Max. | Temperatures at bottom. Min. | Average depth of water. feet, | inch. |
| Atlantic City | 67.3° | 60° | 7 | 5 |
| Alpena | 59.5 | 43.7 | 11 | 5 |
| Augusta | 76 | 63.5 | 6 | 0 |
| Baltimore | 69 | 60.5 | 10 | 0 |
| Block Island | 61 | 55 | 8 | 7 |
| Boston | 59.4 | 53 | 25 | 0 |
| Buffalo | 66 | 55 | 8 | 5 |
| Burlington, Vt. | 62 | 52 | 17 | 6 |
| Cedar Keys | 82 | 70 | 10 | 8 |
| Charleston | 74.7 | 67.4 | 41 | 3 |
| Chicago | 66.7 | 52.1 | 8 | 0 |
| Chincoteague | 73.5 | 58 | 6 | 3 |
| *Cleveland | 64.7 | 55.6 | 14 | 0 |
| Detroit | 65 | 52 | 24 | 2 |
| Del. Breakwater | 73.1 | 59.3 | 6 | 4 |
| Duluth | 60 | 51 | 15 | 7 |
| Eastport | 49.7 | 48.7 | 49 | 4 |
| Escanaba | 66 | 51 | 15 | 0 |
| Galveston | 80 | 63 | 14 | 11 |
| Grand Haven | 63 | 45 | 19 | 0 |
| Indianola | 83.4 | 67.6 | 9 | 7 |
| Jacksonville | 78 | 70 | 18 | 0 |
| Key West | 86 | 74.8 | 15 | 8 |
| Mackinaw City | 60 | 48.4 | 13 | 0 |
| Marquette | 55.8 | 45.9 | 10 | 6 |
| Milwaukee | 65.5 | 48.1 | 8 | 0 |
| Mobile | 78.5 | 73 | 14 | 7 |
| New Haven | 69.5 | 55.2 | 15 | 8 |
| New London | 63 | 58 | 12 | 8 |
| Newport | 63.1 | 56.5 | 11 | 2 |
| New York | 64.5 | 57.5 | 21 | 8 |
| Norfolk | 73 | 60 | 18 | 0 |
| Pensacola | 77.7 | 71.1 | 18 | 0 |
| Portland, Me | 56 | 50 | 21 | 0 |
| Portland, Or. | 59.8 | 47.3 | 58 | 2 |
| Port Eads | 77.7 | 73.5 | 9 | 4 |
| Provincetown | 59.5 | 53 | 14 | 0 |
| Punta Rassa | 85 | 75.6 | 11 | 7 |
| Sandusky | 66.1 | 51.6 | 10 | 0 |
| Sandy Hook | 66.3 | 56.8 | 1 | 6 |
| San Francisco | 58.1 | 56 | 32 | 4 |
| Savannah | 74.9 | 65.9 | 13 | 1 |
| Smithville | 72 | 68 | 10 | 0 |
| Toledo | 67 | 53.7 | 11 | 0 |
| Wilmington | 74.5 | 62 | 13 | 0 |

* Observation not taken on 9th.

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W. B. Hazen

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