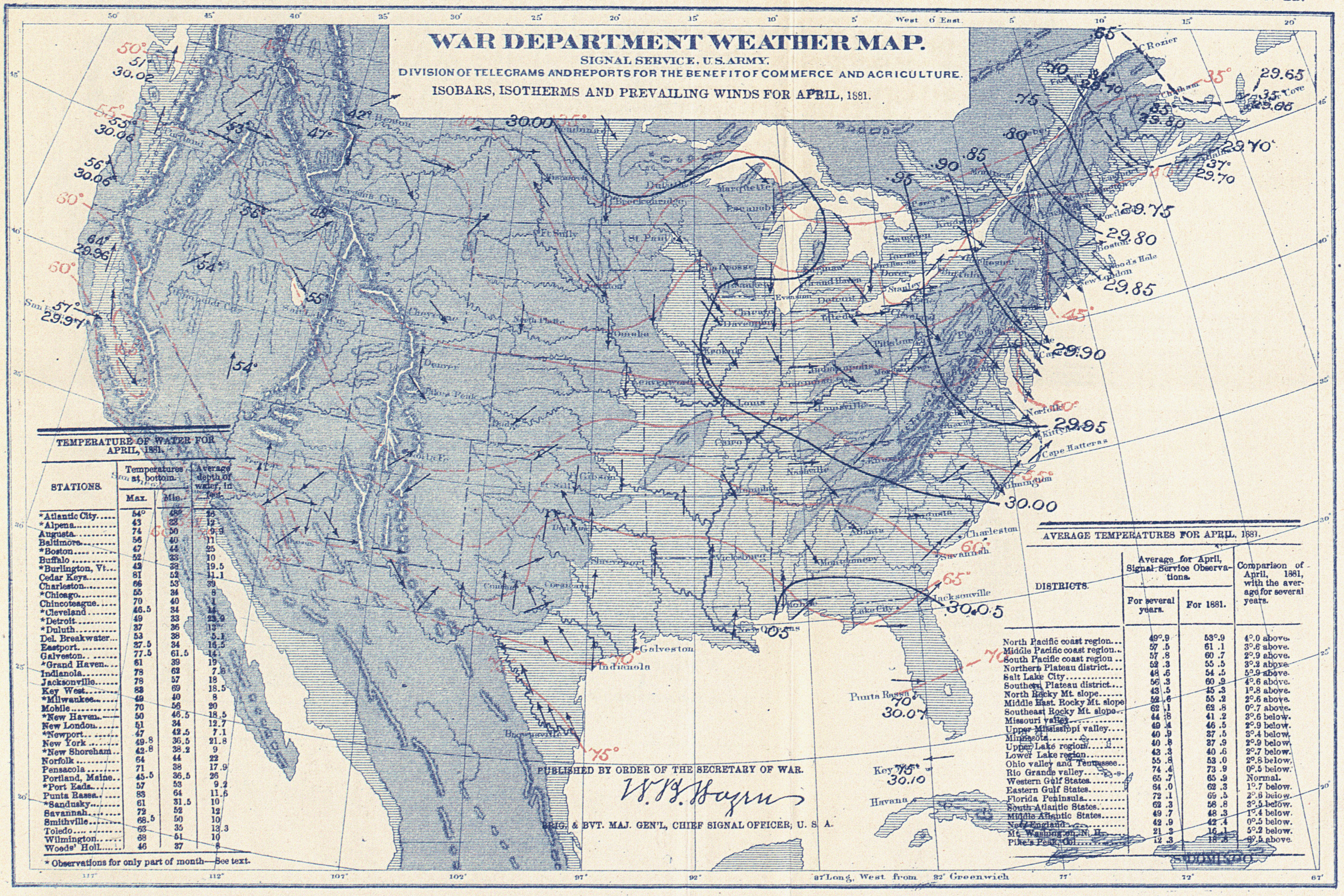
# WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U. S. ARMY.

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

ISOBARS, ISOTHERMS AND PREVAILING WINDS FOR APRIL, 1881.




| STATIONS. | Temperatures at bottom. Max. | Temperatures at bottom. Min. | Average depth of water, in feet. |
|---|---|---|---|
| *Atlantic City | 54° | 48° | 26 |
| *Alpena | 43 | 33 | 12 |
| Augusta | 74 | 50 | 9.9 |
| Baltimore | 56 | 40 | 11 |
| *Boston | 47 | 44 | 25 |
| Buffalo | 52 | 33 | 10 |
| *Burlington, Vt. | 42 | 38 | 19.5 |
| Cedar Keys | 81 | 52 | 11.1 |
| Charleston | 66 | 53 | 39 |
| *Chicago | 55 | 34 | 8 |
| Chincoteague | 70 | 40 | 1 |
| *Cleveland | 46.5 | 34 | 14 |
| *Detroit | 49 | 33 | 23.9 |
| *Duluth | 37 | 36 | 13 |
| Del. Breakwater | 53 | 38 | 5.1 |
| Eastport | 37.5 | 34 | 16.5 |
| Galveston | 77.5 | 61.5 | 14 |
| *Grand Haven | 61 | 39 | 19 |
| Indianola | 78 | 62 | 7.6 |
| Jacksonville | 78 | 57 | 18 |
| Key West | 83 | 69 | 18.5 |
| *Milwaukee | 49 | 40 | 8 |
| Mobile | 70 | 56 | 20 |
| *New Haven | 50 | 46.5 | 18.5 |
| New London | 51 | 34 | 12.7 |
| *Newport | 47 | 42.5 | 7.1 |
| New York | 49.8 | 36.5 | 21.8 |
| *New Shoreham | 42.8 | 38.2 | 9 |
| Norfolk | 64 | 44 | 22 |
| Pensacola | 71 | 38 | 17.9 |
| Portland, Maine | 45.5 | 36.5 | 26 |
| *Port Eads | 57 | 53 | 9.2 |
| Punta Rassa | 83 | 64 | 11.6 |
| *Sandusky | 61 | 31.5 | 10 |
| Savannah | 72 | 52 | 12 |
| Smithville | 68.5 | 50 | 10 |
| Toledo | 63 | 35 | 13.3 |
| Wilmington | 68 | 51 | 10 |
| Woods' Holl | 46 | 37 | 8 |

Table: TEMPERATURE OF WATER FOR APRIL, 1881.

* Observations for only part of month—See text.

| DISTRICTS. | Average for April, Signal Service Observations. For several years. | Average for April, Signal Service Observations. For 1881. | Comparison of April, 1881, with the average for several years. |
|---|---|---|---|
| North Pacific coast region | 49°.9 | 53°.9 | 4°.0 above. |
| Middle Pacific coast region | 57 .5 | 61 .1 | 3°.6 above. |
| South Pacific coast region | 57 .8 | 60 .7 | 2°.9 above. |
| Northern Plateau district | 52 .3 | 55 .5 | 3°.2 above. |
| Salt Lake City | 48 .6 | 54 .5 | 5°.9 above. |
| Southern Plateau district | 56 .3 | 60 .9 | 4°.6 above. |
| North Rocky Mt. slope | 43 .5 | 45 .3 | 1°.8 above. |
| Middle East. Rocky Mt. slope | 52 .6 | 55 .2 | 2°.6 above. |
| Southeast Rocky Mt. slope | 62 .1 | 62 .8 | 0°.7 above. |
| Missouri valley | 44 .8 | 41 .2 | 3°.6 below. |
| Upper Mississippi valley | 49 .4 | 46 .5 | 2°.9 below. |
| Minnesota | 40 .9 | 37 .5 | 3°.4 below. |
| Upper Lake region | 40 .8 | 37 .9 | 2°.9 below. |
| Lower Lake region | 43 .3 | 40 .6 | 2°.7 below. |
| Ohio valley and Tennessee | 55 .8 | 53 .0 | 2°.8 below. |
| Rio Grande valley | 74 .4 | 73 .9 | 0°.5 below. |
| Western Gulf States | 65 .7 | 65 .9 | Normal. |
| Eastern Gulf States | 64 .0 | 62 .3 | 1°.7 below. |
| Florida Peninsula | 72 .1 | 69 .5 | 2°.6 below. |
| South Atlantic States | 62 .3 | 58 .8 | 3°.5 below. |
| Middle Atlantic States | 49 .7 | 48 .3 | 1°.4 below. |
| New England | 42 .9 | 42 .4 | 0°.5 below. |
| Mt. Washington, N. H. | 21 .3 | 16 .1 | 5°.2 below. |
| Pike's Peak, Col. | 12 .3 | 18 .8 | 6°.5 above. |

Table: AVERAGE TEMPERATURES FOR APRIL, 1881.

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W. B. Hazen

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