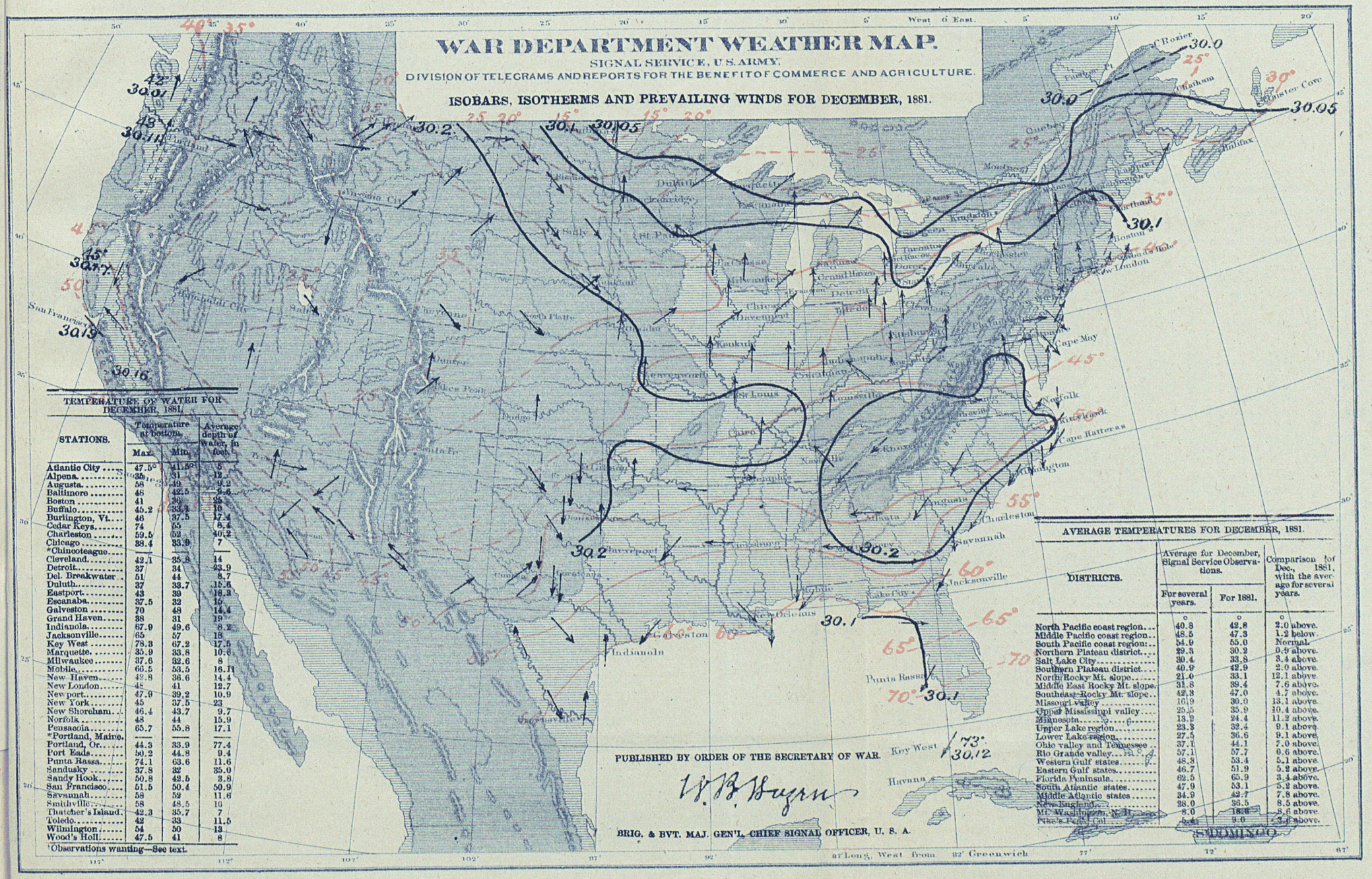
WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U.S. ARMY.

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

ISOBARS, ISOTHERMS AND PREVAILING WINDS FOR DECEMBER, 1881.



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TEMPERATURE OF WATER FOR DECEMBER, 1881.

STATIONS.	Temperature at bottom. Max.	Temperature at bottom. Min.	Average depth of water, in feet.
Atlantic City	47.5°	41.5°	5
Alpena	35	31	12
Augusta	58	49	9.2
Baltimore	48	42.5	3.6
Boston	41	36	25
Buffalo	45.2	33.4	10
Burlington, Vt.	46	37.5	17.4
Cedar Keys	74	65	8.4
Charleston	59.5	52	40.2
Chicago	38.4	33.9	7
*Chincoteague	———	———	———
Cleveland	42.1	35.8	14
Detroit	37	34	23.9
Del. Breakwater	51	44	8.7
Duluth	37	33.7	15.6
Eastport	43	39	16.3
Escanaba	37.5	32	16
Galveston	70	48	14.4
Grand Haven	38	31	19
Indianola	67.9	49.6	8.2
Jacksonville	65	57	18
Key West	78.3	67.2	17.5
Marquette	35.9	33.8	10.6
Milwaukee	37.6	32.6	8
Mobile	66.5	53.5	16.11
New Haven	42.8	36.6	14.4
New London	48	41	12.7
Newport	47.9	39.2	10.9
New York	45	37.5	23
New Shoreham	46.4	43.7	9.7
Norfolk	48	44	15.9
Pensacola	65.7	55.8	17.1
*Portland, Maine	———	———	———
Portland, Or.	44.3	33.9	77.4
Port Eads	50.2	44.8	9.4
Punta Rassa	74.1	63.6	11.6
Sandusky	37.8	32	35.0
Sandy Hook	50.8	42.5	3.8
San Francisco	51.5	50.4	50.9
Savannah	58	52	11.6
Smithville	58	48.5	10
Thatcher's Island	42.3	35.7	7
Toledo	42	33	11.5
Wilmington	54	50	13
Wood's Holl	47.5	41	8

*Observations wanting—See text.

AVERAGE TEMPERATURES FOR DECEMBER, 1881.

DISTRICTS.	Average for December, Signal Service Observations. For several years.	Average for December, Signal Service Observations. For 1881.	Comparison for Dec., 1881, with the average for several years.
	°	°	°
North Pacific coast region	40.8	42.8	2.0 above.
Middle Pacific coast region	48.5	47.3	1.2 below.
South Pacific coast region	54.9	55.0	Normal.
Northern Plateau district	29.3	30.2	0.9 above.
Salt Lake City	30.4	33.8	3.4 above.
Southern Plateau district	40.9	42.9	2.0 above.
North Rocky Mt. slope	21.0	33.1	12.1 above.
Middle East Rocky Mt. slope	31.8	39.4	7.6 above.
Southeast Rocky Mt. slope	42.3	47.0	4.7 above.
Missouri valley	16.9	30.0	13.1 above.
Upper Mississippi valley	25.5	35.9	10.4 above.
Minnesota	13.2	24.4	11.2 above.
Upper Lake region	23.3	32.4	9.1 above.
Lower Lake region	27.5	36.6	9.1 above.
Ohio valley and Tennessee	37.1	44.1	7.0 above.
Rio Grande valley	57.1	57.7	0.6 above.
Western Gulf states	48.3	53.4	5.1 above.
Eastern Gulf states	46.7	51.9	5.2 above.
Florida Peninsula	62.5	65.9	3.4 above.
South Atlantic states	47.9	53.1	5.2 above.
Middle Atlantic states	34.9	42.7	7.8 above.
New England	28.0	36.5	8.5 above.
Mt. Washington, N. H.	8.0	16.6	8.6 above.
Pike's Peak, Col.	5.4	9.0	3.6 above.

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