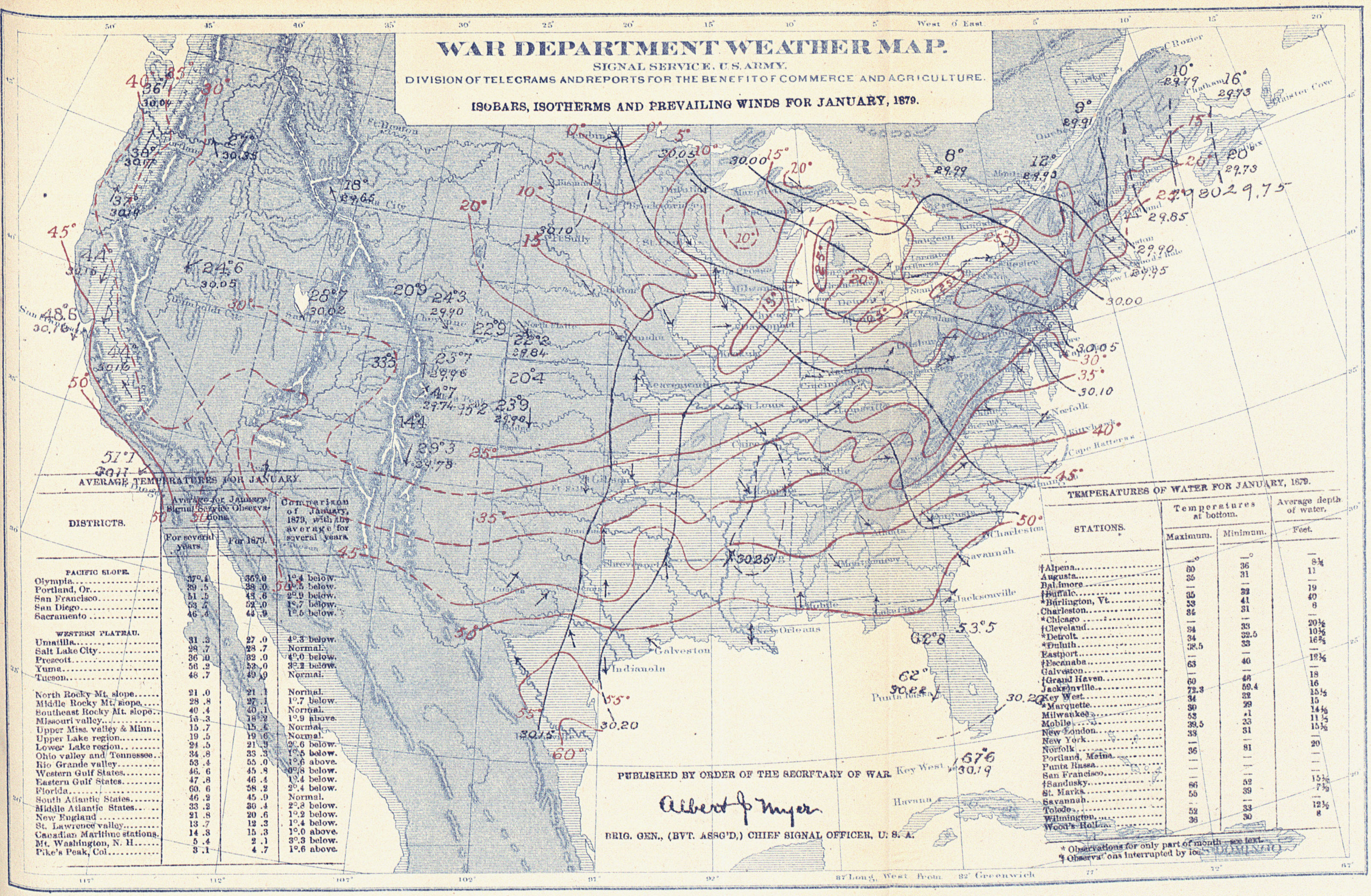
WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U. S. ARMY.

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

ISOBARS, ISOTHERMS AND PREVAILING WINDS FOR JANUARY, 1879.



AVERAGE TEMPERATURES FOR JANUARY.

DISTRICTS.	Average for January. Signal Service Observations. For several years.	For 1879.	Comparison of January, 1879, with the average for several years.
PACIFIC SLOPE.			
Olympia	37°.4	36°.0	1°.4 below.
Portland, Or.	39 .5	38 .0	1°.5 below.
San Francisco	51 .5	48 .6	2°.9 below.
San Diego	53 .7	52 .0	1°.7 below.
Sacramento	46 .4	44 .9	1°.5 below.
WESTERN PLATEAU.			
Umatilla	31 .3	27 .0	4°.3 below.
Salt Lake City	28 .7	28 .7	Normal.
Prescott	36 .0	32 .0	4°.0 below.
Yuma	56 .2	53 .0	3°.2 below.
Tucson	48 .7	49 .0	Normal.
North Rocky Mt. slope	21 .0	21 .1	Normal.
Middle Rocky Mt. slope	28 .8	27 .1	1°.7 below.
Southeast Rocky Mt. slope	40 .4	40 .1	Normal.
Missouri valley	16 .3	18 .2	1°.9 above.
Upper Miss. valley & Minn.	15 .7	15 .4	Normal.
Upper Lake region	19 .5	19 .6	Normal.
Lower Lake region	24 .5	21 .9	2°.6 below.
Ohio valley and Tennessee	34 .8	33 .3	1°.5 below.
Rio Grande valley	53 .4	55 .0	1°.6 above.
Western Gulf States	46. 6	45 .8	0°.8 below.
Eastern Gulf States	47 .8	46 .4	1°.4 below.
Florida	60. 6	58 .2	2°.4 below.
South Atlantic States	46 .2	45 .9	Normal.
Middle Atlantic States	33 .2	30 .4	2°.8 below.
New England	21 .8	20 .6	1°.2 below.
St. Lawrence valley	13 .7	12 .3	1°.4 below.
Canadian Maritime stations	14 .3	15 .3	1°.0 above.
Mt. Washington, N. H.	5 .4	2 .1	3°.3 below.
Pike's Peak, Col.	3 .1	4 .7	1°.6 above.

TEMPERATURES OF WATER FOR JANUARY, 1879.

STATIONS.	Temperatures at bottom. Maximum.	Minimum.	Average depth of water. Feet.
	—°	—°	—
†Alpena	60	36	8¼
Augusta	35	31	11
Baltimore	—	—	—
†Buffalo	35	32	19
*Burlington, Vt.	53	41	40
Charleston	34	31	6
*Chicago	—	—	—
†Cleveland	34	33	20½
*Detroit	34	32.5	10½
*Duluth	38.5	33	16⅔
Eastport	—	—	—
†Escanaba	63	40	12½
Galveston	—	—	—
†Grand Haven	60	48	18
Jacksonville	72.3	59.4	16
Key West	34	32	15⅓
*Marquette	30	29	15
Milwaukee	53	.1	14⅛
Mobile	39.5	33	11⅓
New London	33	31	15½
New York	—	—	—
Norfolk	36	31	20
Portland, Maine	—	—	—
Punta Rassa	—	—	—
San Francisco	—	—	—
†Sandusky	66	52	15½
St. Marks	55	39	7½
Savannah	—	—	—
Toledo	52	33	12½
Wilmington	36	30	8
Wood's Holl			

* Observations for only part of month—see text.

† Observations interrupted by ice.

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Albert J. Myer

BRIG. GEN., (BVT. ASS'D,) CHIEF SIGNAL OFFICER, U. S. A.