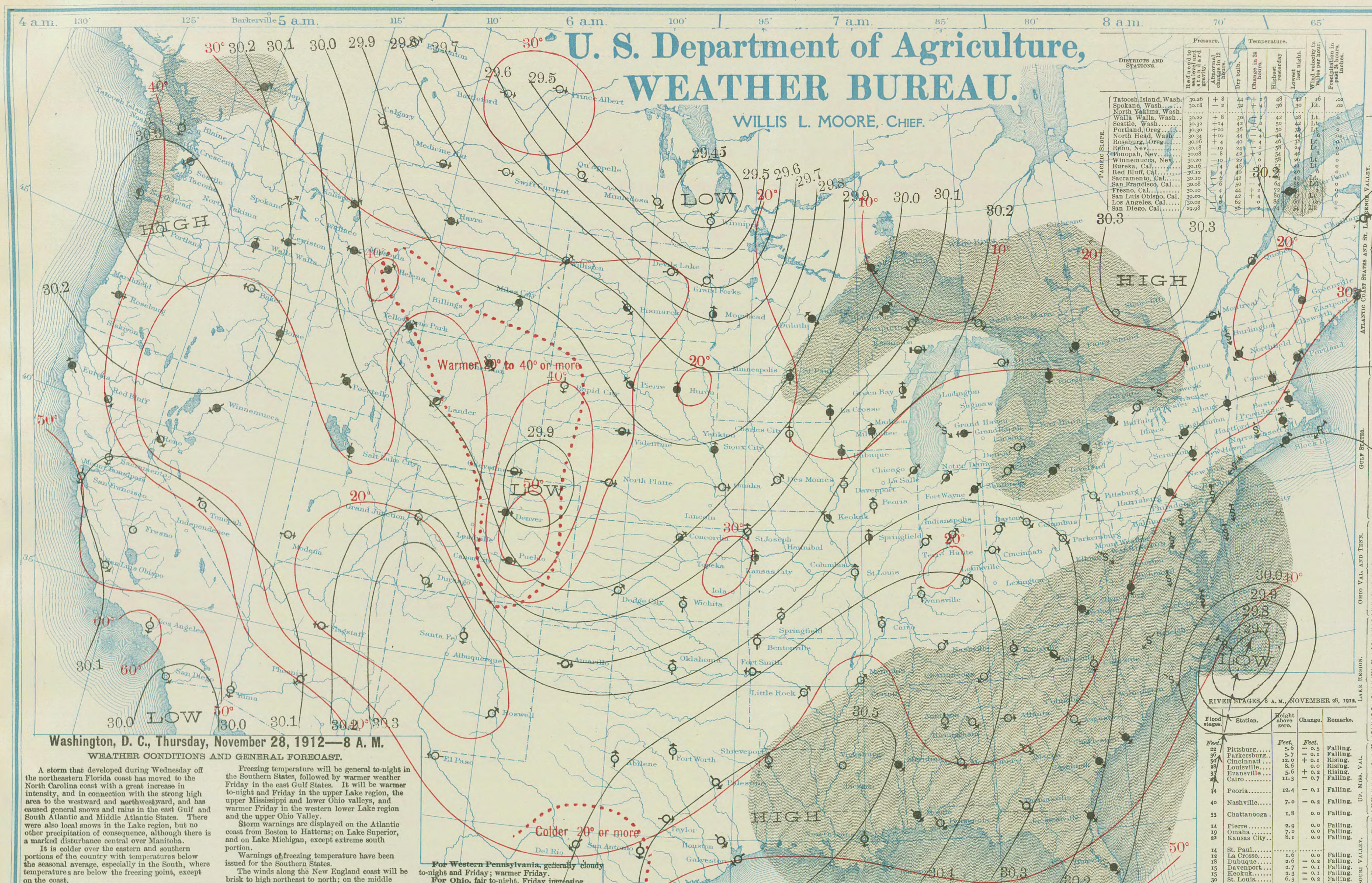
FORM MAP C

U. S. Department of Agriculture, WEATHER BUREAU.

WILLIS L. MOORE, CHIEF.



THURSDAY, November 28, 1912.—8 A. M.

Districts and Stations.	Pressure: Reduced to sea level and standard gravity.	Pressure: Abnormal change in 12 hours.	Temperature: Dry bulb.	Temperature: Change in 24 hours.	Temperature: Highest yesterday	Temperature: Lowest last night.	Wind velocity in miles per hour.	Precipitation in past 24 hours, inches.
Pacific Slope.								
Tatoosh Island, Wash.	30.26	+ 8	44	+ 2	48	42	16	.02
Spokane, Wash.	30.18	− 2	32	+ 4	36	30	Lt.	.02
North Yakima, Wash.	......	......	......	......	......	......	......	......
Walla Walla, Wash.	30.22	+ 8	30	− 2	42	28	Lt.	o
Seattle, Wash.	30.32	+14	42	− 2	50	42	Lt.	o
Portland, Oreg.	30.30	+10	36	− 4	50	36	Lt.	o
North Head, Wash.	30.34	+10	44	− 4	48	44	6	.04
Roseburg, Oreg.	30.26	+ 4	40	+ 4	46	38	Lt.	o
Reno, Nev.	30.18	−10	24	− 2	58	24	Lt.	o
Tonopah, Nev.	30.08	− 8	42	+ 2	54	40	8	o
Winnemucca, Nev.	30.20	−10	22	o	58	20	Lt.	o
Eureka, Cal.	30.16	− 4	46	o	52	44	Lt.	o
Red Bluff, Cal.	30.12	+ 4	40	[illegible]	[illegible]	40	6	o
Sacramento, Cal.	30.10	− 6	42	[illegible]	64	40	Lt.	o
San Francisco, Cal.	30.08	− 6	50	− 4	64	50	Lt.	o
Fresno, Cal.	30.10	− 4	44	+ 2	72	[illegible]	o	o
San Luis Obispo, Cal.	30.10	− 4	42	+ 4	80	42	Lt.	o
Los Angeles, Cal.	30.02	− 6	62	o	86	60	10	o
San Diego, Cal.	29.98	− 8	56	− 2	74	54	Lt.	o
Atlantic Coast States and St. Lawrence Valley.								
Montreal, Que.	30.22	+14	22	−10	34	22	.....	o
Greenville, Me.	30.20	+16	18	− 4	34	14	o	o
Eastport, Me.	30.24	+16	32	− 4	44	32	Lt.	o
Burlington, Vt.	30.20	......	28	− 4	......	28	10	o
Northfield, Vt.	30.20	+ 8	20	− 4	36	20	Lt.	o
Portland, Me.	30.22	+ 6	30	o	42	28	Lt.	o
Concord, N. H.	30.20	......	28	o	......	28	Lt.	o
Boston, Mass.	30.16	− 4	36	o	48	36	8	o
Nantucket, Mass.	30.12	−10	38	− 6	48	38	14	.01
Block Island, R. I.	30.08	−14	40	− 2	44	38	24	o
Providence, R. I.	30.16	− 6	34	− 2	46	32	12	o
Hartford, Conn.	30.14	− 8	32	− 4	42	30	Lt.	o
Canton, N. Y.	30.24	......	16	−14	......	10	Lt.	o
Syracuse, N. Y.	30.20	o	26	− 6	34	24	6	o
Binghamton, N. Y.	30.18	......	22	− 8	......	22	Lt.	o
Albany, N. Y.	30.22	o	32	o	42	32	Lt.	o
New York, N. Y.	30.08	−14	36	+ 2	44	34	18	.01
Scranton, Pa.	30.18	− 4	30	− 2	40	28	Lt.	o
Harrisburg, Pa.	30.16	−10	34	o	42	34	6	o
Philadelphia, Pa.	30.14	−12	34	− 2	50	32	12	.01
Atlantic City, N. J.	30.10	−14	32	− 4	48	30	12	.12
Cape May, N. J.	30.10	......	30	− 8	......	30	12	.24
Baltimore, Md.	30.14	−12	32	− 4	48	32	12	.04
WASHINGTON, D. C.	30.14	−14	32	− 2	48	32	8	.10
Mount Weather, Va.	......	......	......	......	38	......	......	......
Norfolk, Va.	30.04	−18	32	− 4	52	32	18	.34
Richmond, Va.	30.14	−10	32	+ 4	52	32	14	.24
Lynchburg, Va.	30.18	− 4	32	− 2	48	30	Lt.	.10
Wytheville, Va.	30.22	− 4	26	o	38	24	6	.24
Charlotte, N. C.	30.18	+ 2	30	− 2	50	30	6	.20
Asheville, N. C.	30.30	+ 2	24	− 2	40	24	14	.20
Raleigh, N. C.	30.12	−10	32	− 4	52	32	12	.42
Hatteras, N. C.	29.74	−44	44	− 4	56	......	48	.58
Wilmington, N. C.	29.98	−18	32	− 6	56	32	10	.68
Charleston, S. C.	30.12	o	38	− 2	56	36	22	.56
Augusta, Ga.	30.24	+ 8	34	+ 2	56	32	10	.64
Columbia, S. C.	......	......	......	......	......	......	......	......
Savannah, Ga.	30.18	+ 4	38	− 4	58	36	24	.54
Jacksonville, Fla.	30.22	+14	36	− 8	64	36	14	.20
Titusville, Fla.	30.14	+ 4	44	− 8	72	44	......	.04
Miami, Fla.	30.02	− 8	70	+ 8	76	64	8	o
Key West, Fla.	30.06	− 2	68	o	74	68	32	o
Gulf States.								
Atlanta, Ga.	30.30	+ 6	26	− 8	42	26	12	.18
Macon, Ga.	30.30	+10	30	o	54	30	8	.50
Thomasville, Ga.	30.30	+20	32	− 8	60	32	6	.44
Tampa, Fla.	30.20	+12	42	− 8	68	42	16	.10
Pensacola, Fla.	30.46	+16	32	−18	56	32	12	.44
Mobile, Ala.	30.48	+14	34	−16	52	34	6	.34
Montgomery, Ala.	30.42	+ 8	32	− 8	46	30	6	.28
Anniston, Ala.	30.40	......	24	− 8	......	24	Lt.	.24
Birmingham, Ala.	30.44	+ 4	26	−12	40	26	Lt.	.08
Meridian, Miss.	30.48	+ 6	32	−10	44	30	Lt.	.10
Corinth, Miss.	......	......	......	......	......	......	......	......
Vicksburg, Miss.	30.52	+ 6	28	−18	46	28	o	.18
New Orleans, La.	30.48	+ 8	38	−14	52	36	6	.06
Shreveport, La.	30.52	o	30	− 8	48	30	Lt.	.06
Bentonville, Ark.	30.34	......	26	− 4	......	24	6	o
Fort Smith, Ark.	30.40	−10	24	−12	44	24	6	o
Little Rock, Ark.	30.46	+ 2	28	− 8	46	26	8	o
Palestine, Tex.	30.48	− 2	32	− 8	56	30	Lt.	o
Galveston, Tex.	30.50	o	42	−10	54	42	10	o
Houston, Tex.	30.52	......	34	−18	......	34	6	o
Taylor, Tex.	30.50	......	28	−18	......	28	Lt.	o
San Antonio, Tex.	30.50	− 6	30	−24	56	30	Lt.	o
Corpus Christi, Tex.	30.52	o	40	−16	58	38	6	o
Brownsville, Tex.	30.44	− 2	42	−24	68	40	6	.32
Ohio Val. and Tenn.								
Memphis, Tenn.	30.48	+ 6	32	− 8	52	32	Lt.	.02
Nashville, Tenn.	30.42	+ 8	22	−12	40	22	Lt.	o
Chattanooga, Tenn.	30.40	+ 8	26	− 6	40	26	Lt.	.08
Knoxville, Tenn.	30.36	− 2	26	o	32	26	Lt.	.06
Lexington, Ky.	......	......	......	......	......	......	......	......
Louisville, Ky.	30.40	+ 4	26	− 4	40	24	Lt.	o
Evansville, Ind.	30.38	+ 2	26	− 4	40	24	6	o
Terre Haute, Ind.	30.32	− 2	24	− 2	34	22	6	o
French Lick, Ind.	30.40	......	16	− 4	40	16	......	o
Indianapolis, Ind.	30.30	o	22	− 2	34	22	10	o
Cincinnati, Ohio	30.36	+ 4	24	− 6	38	24	6	o
Dayton, Ohio	30.32	+ 6	22	− 4	36	22	6	o
Columbus, Ohio	30.30	o	22	− 4	38	22	6	o
Elkins, W. Va.	30.22	− 8	26	− 4	36	26	Lt.	.04
Parkersburg, W. Va.	30.30	o	26	− 4	38	26	Lt.	o
Pittsburg, Pa.	30.26	o	26	− 4	38	24	8	o
Lake Region.								
Oswego, N. Y.	30.20	+ 4	28	− 6	38	28	Lt.	.02
Rochester, N. Y.	30.20	......	22	− 6	......	22	Lt.	o
Buffalo, N. Y.	30.20	+ 2	26	− 4	34	26	8	o
Erie, Pa.	30.24	......	30	o	......	28	12	.76
Cleveland, Ohio	30.26	+ 4	26	− 4	34	26	16	.10
Toledo, Ohio	30.30	+ 4	24	− 4	36	22	14	.01
Detroit, Mich.	30.26	+ 2	22	− 6	34	22	8	o
Saginaw, Mich.	......	......	......	......	......	......	......	......
Alpena, Mich.	30.22	+ 4	12	−14	30	12	Lt.	o
Sault Ste. Marie, Mich.	30.18	o	10	−10	24	10	Lt.	.18
Houghton, Mich.	30.04	......	14	− 8	......	14	6	.06
Marquette, Mich.	[illegible]	− 8	14	− 6	22	14	Lt.	.02
Escanaba, Mich.	30.12	− 8	12	− 8	26	12	Lt.	o
Green Bay, Wis.	30.16	− 4	18	− 4	28	18	10	o
Ludington, Mich.	......	......	......	......	......	......	......	......
Grand Haven, Mich.	30.20	− 2	26	− 6	32	24	8	.02
Grand Rapids, Mich.	30.22	[illegible]	26	− 2	30	26	Lt.	o
Fort Wayne, Ind.	30.26	− 2	22	− 4	32	20	10	o
Notre Dame, Ind.	30.24	......	22	− 6	......	22	Lt.	o
Chicago, Ill.	30.26	o	24	− 4	34	24	6	o
Duluth, Minn.	29.94	−30	14	− 4	22	6	6	o
Up. Miss. Val.								
St. Paul, Minn.	29.94	−32	22	o	26	14	12	.01
Madison, Wis.	30.20	− 2	18	− 8	28	16	12	o
La Crosse, Wis.	30.08	......	16	−10	......	12	Lt.	o
Charles City, Iowa	30.04	−24	20	+ 2	28	14	16	o
Dubuque, Iowa	30.20	− 6	20	− 6	32	16	6	.01
Davenport, Iowa	30.22	− 6	22	− 6	34	20	Lt.	o
Des Moines, Iowa	30.04	−26	26	+ 2	32	22	10	o
Keokuk, Iowa	30.24	−10	26	+ 2	34	22	Lt.	o
Peoria, Ill.	30.30	......	20	− 2	......	20	Lt.	o
Springfield, Ill.	30.32	− 2	24	− 2	34	22	6	o
St. Louis, Mo.	30.30	− 6	28	o	36	28	10	o
Cairo, Ill.	30.40	+ 2	26	−10	42	26	Lt.	o
Missouri Valley.								
Springfield, Mo.	30.32	−10	24	− 4	38	24	12	o
Kansas City, Mo.	30.12	−24	30	+ 4	38	26	26	o
St. Joseph, Mo.	30.10	−24	30	+ 6	38	26	10	o
Iola, Kans.	......	......	......	......	......	......	......	......
Wichita, Kans.	30.14	......	28	+ 4	38	26	18	o
Concordia, Kans.	30.04	−32	28	+ 6	40	26	Lt.	o
Omaha, Nebr.	29.96	−34	28	+ 4	36	26	10	o
Lincoln, Nebr.	......	......	......	......	......	......	......	......
Valentine, Nebr.	29.88	−24	36	+16	40	28	10	o
Sioux City, Iowa	29.88	−38	26	+ 4	32	24	16	o
Huron, S. Dak.	29.84	−38	20	+ 2	30	20	6	o
Pierre, S. Dak.	29.88	−22	28	o	36	26	Lt.	o
Moorhead, Minn.	29.70	−46	24	+ 4	26	18	14	o
Bismarck, N. Dak.	29.82	−26	34	+16	32	28	12	o
Grand Forks, N. Dak.	29.60	......	22	+ 6	......	20	18	o
Devils Lake, N. Dak.	29.60	−26	34	+18	24	22	20	o
Williston, N. Dak.	29.80	+ 4	28	+12	36	28	6	o
Rocky Mountain and Plateau Regions.								
Missoula, Mont.	30.04	......	36	+18	36	24	......	o
Havre, Mont.	29.86	+10	28	+ 8	50	28	Lt.	o
Billings, Mont.	......	......	......	......	......	......	......	......
Helena, Mont.	29.92	−12	42	+24	36	34	12	o
Yellowstone Park, Wyo.	30.04	−32	28	+18	36	26	12	o
Miles City, Mont.	29.96	+ 8	32	+14	44	32	Lt.	o
Kalispell, Mont.	30.02	− 8	28	+14	30	26	Lt.	o
Wallace, Idaho	......	......	......	......	......	......	......	......
Lewiston, Idaho	30.20	......	32	+ 2	......	30	Lt.	o
Baker, Oreg.	30.20	......	26	− 2	......	24	14	o
Pocatello, Idaho	30.08	−24	34	+16	46	34	14	o
Boise, Idaho	30.20	−12	30	+ 2	42	28	Lt.	o
Rapid City, S. Dak.	29.96	−14	40	+30	40	28	12	o
Sheridan, Wyo.	29.96	−10	32	+30	36	26	Lt.	o
Lander, Wyo.	30.06	−20	24	......	36	20	Lt.	o
Salt Lake City, Utah	30.12	−20	32	+ 2	46	30	Lt.	o
Modena, Utah	30.16	−16	22	+ 2	52	22	10	o
Grand Junction, Colo.	30.28	−12	20	− 4	48	18	Lt.	o
Durango, Colo.	30.34	−10	18	o	46	18	Lt.	o
Cheyenne, Wyo.	29.84	−34	46	+26	44	38	28	o
North Platte, Nebr.	29.98	−30	28	+14	40	22	8	o
Denver, Colo.	29.90	−36	50	+42	50	20	12	o
Pueblo, Colo.	29.98	−34	52	+38	40	32	12	o
Canon City, Colo.	......	......	......	......	......	......	......	......
Dodge City, Kans.	30.10	−34	24	+ 8	36	22	8	o
Oklahoma, Okla.	30.28	−24	28	o	40	24	22	o
Amarillo, Tex.	30.20	−30	26	+10	42	24	12	o
Fort Worth, Tex.	30.42	−10	28	−12	50	26	10	o
Abilene, Tex.	30.38	−18	28	− 8	46	28	6	o
El Paso, Tex.	30.32	−12	26	− 8	46	26	Lt.	o
Del Rio, Tex.	30.44	......	30	−22	......	28	Lt.	o
Roswell, N. Mex.	30.34	−14	16	−10	40	16	Lt.	o
Santa Fe, N. Mex.	30.32	−24	20	+12	38	18	Lt.	o
Flagstaff, Ariz.	30.20	− 2	14	−24	48	14	Lt.	o
Yuma, Ariz.	30.04	− 4	48	+ 2	80	46	Lt.	o
Phoenix, Ariz.	30.08	− 4	46	+ 4	78	46	Lt.	o

RIVER STAGES, 8 A. M., NOVEMBER 28, 1912.

Flood stages.	Station.	Height above zero.	Change.	Remarks.
Feet.		Feet.	Feet.	
22	Pittsburg	5.6	− 0.5	Falling.
36	Parkersburg	5.7	− 0.1	Falling.
50	Cincinnati	12.0	+ 0.1	Rising.
28	Louisville	8.6	0.0	Rising.
35	Evansville	5.6	+ 0.2	Rising.
45	Cairo	11.3	− 0.7	Falling.
14	Peoria	12.4	− 0.1	Falling.
40	Nashville	7.0	− 0.2	Falling.
33	Chattanooga	1.8	0.0	Falling.
14	Pierre	2.9	0.0	Falling.
19	Omaha	7.0	0.0	Falling.
22	Kansas City	8.1	0.0	Falling.
14	St. Paul	......	......	
12	La Crosse	1.6	0.0	Falling.
18	Dubuque	2.6	− 0.2	Falling.
15	Davenport	2.7	− 0.1	Falling.
15	Keokuk	2.3	− 0.1	Falling.
30	St. Louis	6.3	− 0.2	Falling.
35	Memphis	9.2	− 0.3	Falling.
45	Vicksburg	8.4	− 0.1	Rising.
18	New Orleans	4.3	0.0	Falling.
23	Little Rock	1.2	− 0.1	Falling.
29	Shreveport	− 3.7	− 0.3	Falling.
32	Augusta	9.2	+ 0.2	Rising.

Reports from Atlantic and European stations.

Stations.	Pressure.	Temp., dry bulb.	Wind: Direction.	Wind: Force.*	Weather.
November 28, 1912.					
Seydisfjord, Iceland	29.76	16	n.	6	cloudy.
Thorshavn, Faroe Island	29.52	22	n.	4	cloudy.
Lerwick, Scotland	29.46	28	nw.	6	snow.
Stornaway, Scotland	29.64	28	n.	2	p. cloudy.
Malin Head, Ireland	29.66	32	s.	4	cloudy.
Blacksod, Ireland	29.66	40	n.	2	cloudy.
Valentia, Ireland	29.72	40	ne.	2	cloudy.
London, England	29.78	32	o	o	clear.
Cuxhaven (Hamburg) Ger.	29.52	38	sw.	4	cloudy.
Paris, France	29.84	34	w.	2	clear.
Lisbon, Portugal	30.24	54	w.	1	cloudy.
Horta (Fayal), Azores	30.44	66	o	o	p. cloudy.
Hamilton, Bermuda	30.16	72	s.	4	p. cloudy.
Turks Island, W. I.	29.98	......	e.	2	clear.
Havana, Cuba, W. I.	30.12	76	nw.	1	cloudy.
Nassau, N. P., W. I.	30.02	74	o	o	p. cloudy.
November 27 (local time).					
Honolulu, H. I., 8 p. m.	29.96	72	ne.	1	rain.
Nome, Alaska, 4 p. m.	29.84	4	n.	1	clear.
Tanana, Alaska, 7 p. m.	29.82	− 4	n.	1	clear.
Eagle, Alaska, 7 p. m.	29.74	4	se.	2	snow.
Valdez, Alaska, 7 p. m.	29.50	12	ne.	1	clear.
Sitka, Alaska, 5 p. m.	29.70	40	w.	6	rain.
Dutch Harbor, Aska., 3 p. m.	29.68	34	sw.	2	cloudy.

*Beaufort scale.

Washington, D. C., Thursday, November 28, 1912—8 A. M.

WEATHER CONDITIONS AND GENERAL FORECAST.

A storm that developed during Wednesday off the northeastern Florida coast has moved to the North Carolina coast with a great increase in intensity, and in connection with the strong high area to the westward and northwestward, and has caused general snows and rains in the east Gulf and South Atlantic and Middle Atlantic States. There were also local snows in the Lake region, but no other precipitation of consequence, although there is a marked disturbance central over Manitoba.

It is colder over the eastern and southern portions of the country with temperatures below the seasonal average, especially in the South, where temperatures are below the freezing point, except on the coast.

There will be snow to-night and Friday in New England and to-night in the Middle Atlantic States, followed by fair weather Friday. There will also be snow or rain to-night or Friday in the upper Lake region. In the lower Lake region, the Ohio Valley, and the South the weather will be fair to-night and Friday.

Freezing temperature will be general to-night in the Southern States, followed by warmer weather Friday in the east Gulf States. It will be warmer to-night and Friday in the upper Lake region, the upper Mississippi and lower Ohio valleys, and warmer Friday in the western lower Lake region and the upper Ohio Valley.

Storm warnings are displayed on the Atlantic coast from Boston to Hatteras; on Lake Superior, and on Lake Michigan, except extreme south portion.

Warnings of freezing temperature have been issued for the Southern States.

The winds along the New England coast will be brisk to high northeast to north; on the middle Atlantic coast brisk to high north and northwest; on the south Atlantic coast northwest and north, diminishing; on the east Gulf coast light to moderate north.

Steamers departing to-day for European ports will have brisk to high northeast to north winds with snow or rain to the Grand Banks.

FORECAST TILL 8 P. M. FRIDAY.

For Northern New England, snow to-night and probably Friday; brisk to high northeast and north winds.

For Southern New England, snow to-night. Friday cloudy, probably local snows in east portion; high northeast to north winds.

For Eastern New York, snow to-night. Friday cloudy; brisk to high north and northwest winds.

For Eastern Pennsylvania, local snows to-night. Friday fair; brisk north and northwest winds.

For New Jersey, and **Delaware,** snow to-night. Friday fair; brisk to high north and northwest winds.

For Maryland, cloudy to-night; temperature below freezing. Friday fair; moderate to brisk northwest winds, becoming variable Friday.

For the District of Columbia, cloudy to-night; temperature about 26°. Friday fair; moderate to brisk northwest winds, becoming variable Friday.

For Virginia, fair to-night; temperature below freezing. Friday fair; diminishing northwest winds.

For North Carolina, fair to-night; temperature below freezing. Friday fair; diminishing northwest winds.

For South Carolina, and **Georgia,** fair to-night; freezing temperature on the coast and below freezing in the interior. Friday fair; moderate northwest and north winds.

For Florida, fair to-night; heavy frost or freezing temperature in north and central portions; light frost to the 26th parallel. Friday fair; warmer in extreme northwest portion; moderate northwest and north winds.

For Alabama, fair to-night; freezing temperature. Friday fair, warmer; light north winds.

For Mississippi, fair to-night; heavy frost or freezing temperature. Friday fair, warmer; light to moderate variable winds.

For Tennessee, and **Kentucky,** fair to-night; warmer in west portions. Friday fair, warmer.

For West Virginia, fair to-night, except snow in the mountains. Friday fair; warmer in west portion.

For Western New York, generally cloudy to-night and Friday, probably snow to-night in east portion; warmer Friday in west portion.

For Western Pennsylvania, generally cloudy to-night and Friday; warmer Friday.

For Ohio, fair to-night. Friday increasing cloudiness and warmer.

For Indiana, fair, warmer to-night. Friday increasing cloudiness and warmer.

For Lower Michigan, increasing cloudiness, followed by snow late to-night or on Friday; warmer.

For Upper Michigan, snow to-night or Friday; warmer.

For the Upper Lakes, increasing south and southwest winds, becoming high; rain or snow to-night or Friday; warmer.

For the Lower Lakes, moderate variable winds, mostly west and southwest; generally cloudy to-night and Friday; warmer Friday on Erie.

H. C. F.

For Illinois, fair, warmer to-night. Friday fair.

For Wisconsin, fair, warmer to-night. Friday fair; colder in west portion.

For Minnesota, fair to-night; colder in west portion. Friday fair, colder.

For Iowa, fair to-night; warmer in east portion. Friday fair, colder.

For Missouri, fair to-night; warmer in east portion. Friday fair; colder in northwest portion.

For North Dakota, Wyoming, Montana, and **South Dakota,** fair, colder to-night. Friday fair.

For Nebraska, fair to-night; colder in west portion. Friday fair; colder in east portion.

For Kansas, fair to-night. Friday fair, colder.

For Louisiana, fair, warmer to-night and Friday; frost Friday in southeast portion; light north to east winds on the coast.

For Eastern Texas, fair, warmer to-night and Friday; light east to south winds on the coast.

For Western Texas, and **Oklahoma,** fair, warmer to-night. Friday fair.

For Arkansas, fair, warmer to-night and Friday.

For Colorado, fair to-night; colder in central portion. Friday fair; colder in east portion.

For New Mexico, fair, with rising temperature in east portion to-night and Friday.

For Arizona, and **Utah,** fair to-night and Friday.

For California, fair to-night with frost. Friday fair.

For Nevada, fair to-night and Friday.

Observations are taken at 8 a. m. and 8 p. m., 75th meridian time. Barometer readings are reduced to sea level and standard gravity. When heavy dotted red lines appear they indicate areas of marked changes in temperature during the last twenty-four hours. Shaded areas show regions of precipitation of .01 inch or more during the last twenty-four hours. Arrows point in the direction the wind is blowing. Solid black lines are isobars and solid red lines isotherms.

Symbols indicate: ○ clear, ◐ partly cloudy, ● cloudy, R rain, S snow, storm warnings, CW cold wave warnings, →⊕→ storm track and location of storm center, date above, time (a. m. or p. m.) below, thunderstorms at or near station in last 12 hours.

WIND-BAROMETER INDICATIONS.

When the wind sets in from points between south and southeast and the barometer falls steadily a storm is approaching from the west or northwest, and its center will pass near or north of the observer within twelve to twenty-four hours with wind shifting to northwest by way of southwest and west. When the wind sets in from points between east and northeast and the barometer falls steadily a storm is approaching from the south or southwest, and its center will pass near or to the south or east of the observer within twelve to twenty-four hours with wind shifting to northwest by way of north. The rapidity of the storm's approach and its intensity will be indicated by the rate and the amount of the fall in the barometer.

Statute Miles: 100 50 0 100 200 300 400

Kilometers: 100 50 0 100 200 300 400 500