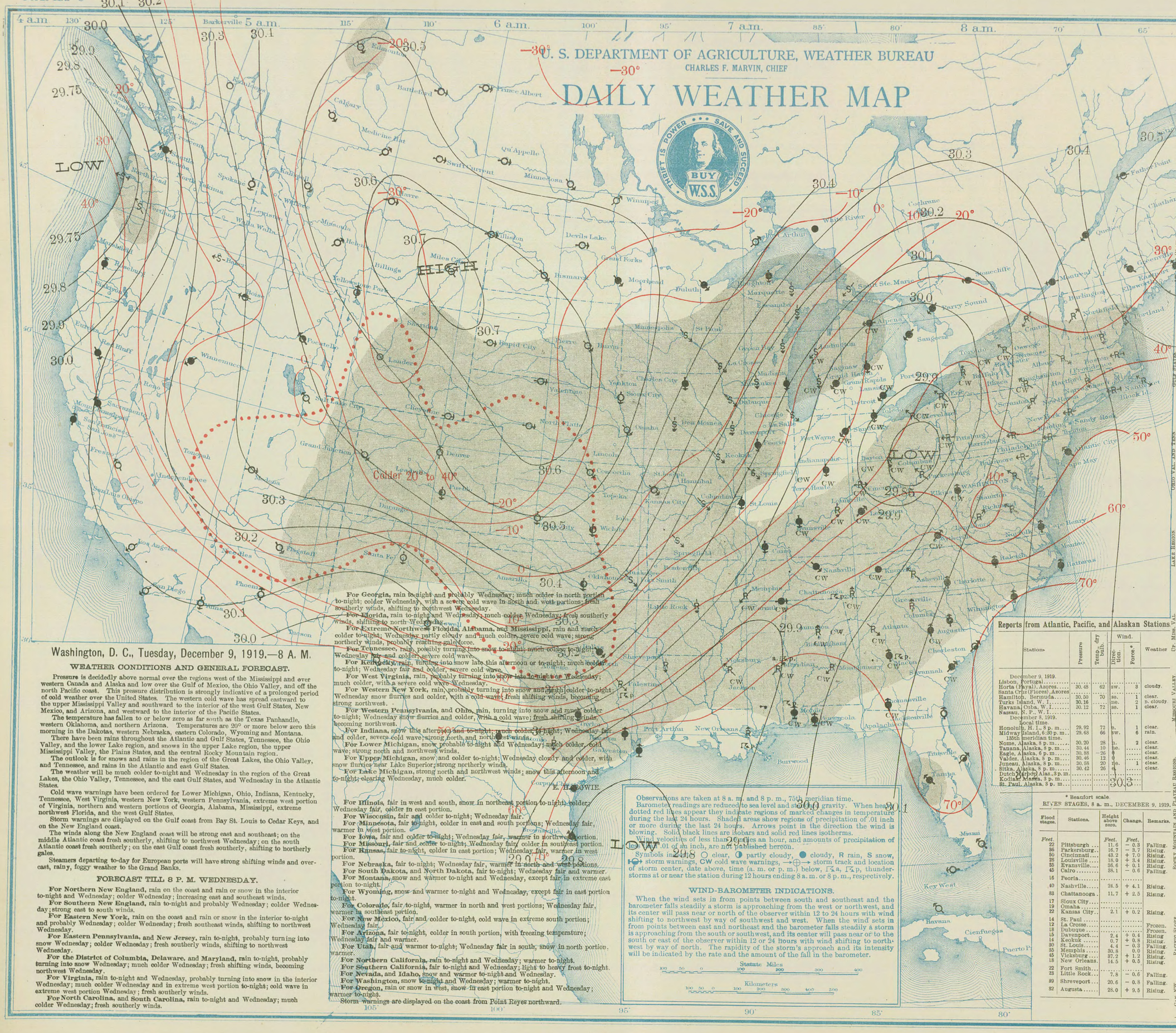
FORM MAP C

SECOND EDITION.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CHARLES F. MARVIN, CHIEF

DAILY WEATHER MAP



Washington, D. C., Tuesday, December 9, 1919.—8 A. M.

WEATHER CONDITIONS AND GENERAL FORECAST.

Pressure is decidedly above normal over the regions west of the Mississippi and over western Canada and Alaska and low over the Gulf of Mexico, the Ohio Valley, and off the north Pacific coast. This pressure distribution is strongly indicative of a prolonged period of cold weather over the United States. The western cold wave has spread eastward to the upper Mississippi Valley and southward to the interior of the west Gulf States, New Mexico, and Arizona, and westward to the interior of the Pacific States.

The temperature has fallen to or below zero as far south as the Texas Panhandle, western Oklahoma, and northern Arizona. Temperatures are 20° or more below zero this morning in the Dakotas, western Nebraska, eastern Colorado, Wyoming and Montana.

There have been rains throughout the Atlantic and Gulf States, Tennessee, the Ohio Valley, and the lower Lake region, and snows in the upper Lake region, the upper Mississippi Valley, the Plains States, and the central Rocky Mountain region.

The outlook is for snows and rains in the region of the Great Lakes, the Ohio Valley, and Tennessee, and rains in the Atlantic and east Gulf States.

The weather will be much colder to-night and Wednesday in the region of the Great Lakes, the Ohio Valley, Tennessee, and the east Gulf States, and Wednesday in the Atlantic States.

Cold wave warnings have been ordered for Lower Michigan, Ohio, Indiana, Kentucky, Tennessee, West Virginia, western New York, western Pennsylvania, extreme west portion of Virginia, northern and western portions of Georgia, Alabama, Mississippi, extreme northwest Florida, and the west Gulf States.

Storm warnings are displayed on the Gulf coast from Bay St. Louis to Cedar Keys, and on the New England coast.

The winds along the New England coast will be strong east and southeast; on the middle Atlantic coast fresh southerly, shifting to northwest Wednesday; on the south Atlantic coast fresh southerly; on the east Gulf coast fresh southerly, shifting to northerly gales.

Steamers departing to-day for European ports will have strong shifting winds and overcast, rainy, foggy weather to the Grand Banks.

FORECAST TILL 8 P. M. WEDNESDAY.

For Northern New England, rain on the coast and rain or snow in the interior to-night and Wednesday; colder Wednesday; increasing east and southeast winds.

For Southern New England, rain to-night and probably Wednesday; colder Wednesday; strong east to south winds.

For Eastern New York, rain on the coast and rain or snow in the interior to-night and probably Wednesday; colder Wednesday; fresh southeast winds, shifting to northwest Wednesday.

For Eastern Pennsylvania, and New Jersey, rain to-night, probably turning into snow Wednesday; colder Wednesday; fresh southerly winds, shifting to northwest Wednesday.

For the District of Columbia, Delaware, and Maryland, rain to-night, probably turning into snow Wednesday; much colder Wednesday; fresh shifting winds, becoming northwest Wednesday.

For Virginia, rain to-night and Wednesday, probably turning into snow in the interior Wednesday; much colder Wednesday and in extreme west portion to-night; cold wave in extreme west portion Wednesday; fresh southerly winds.

For North Carolina, and South Carolina, rain to-night and Wednesday; much colder Wednesday; fresh southerly winds.

For Georgia, rain to-night and probably Wednesday; much colder in north portion to-night; colder Wednesday, with a severe cold wave in north and west portions; fresh southerly winds, shifting to northwest Wednesday.

For Florida, rain to-night and Wednesday; much colder Wednesday; fresh southerly winds, shifting to north Wednesday.

For Extreme Northwest Florida, Alabama, and Mississippi, rain and much colder to-night; Wednesday partly cloudy and much colder, severe cold wave; strong northerly winds, probably reaching gale force.

For Tennessee, rain, possibly turning into snow to-night, much colder to-night; Wednesday fair and colder, severe cold wave.

For Kentucky, rain, turning into snow late this afternoon or to-night; much colder to-night; Wednesday fair and colder, severe cold wave.

For West Virginia, rain, probably turning into snow late to-night or Wednesday; much colder, with a severe cold wave Wednesday.

For Western New York, rain, probably turning into snow and much colder to-night; Wednesday snow flurries and colder, with a cold wave; fresh shifting winds, becoming strong northwest.

For Western Pennsylvania, and Ohio, rain, turning into snow and much colder to-night; Wednesday snow flurries and colder, with a cold wave; fresh shifting winds, becoming northwest.

For Indiana, snow this afternoon and to-night; much colder to-night; Wednesday fair and colder, severe cold wave; strong north and northwest winds.

For Lower Michigan, snow probable to-night and Wednesday; much colder, cold wave; strong north and northwest winds.

For Upper Michigan, snow and colder to-night; Wednesday cloudy and colder, with snow flurries near Lake Superior; strong northerly winds.

For Lake Michigan, strong north and northwest winds; snow this afternoon and to-night; clearing Wednesday, much colder.

E. H. BOWIE.

For Illinois, fair in west and south, snow in northeast portion to-night; colder; Wednesday fair, colder in east portion.

For Wisconsin, fair and colder to-night; Wednesday fair.

For Minnesota, fair to-night, colder in east and south portions; Wednesday fair, warmer in west portion.

For Iowa, fair and colder to-night; Wednesday fair, warmer in northwest portion.

For Missouri, fair and colder to-night; Wednesday fair, colder in southeast portion.

For Kansas, fair to-night, colder in east portion; Wednesday fair, warmer in west portion.

For Nebraska, fair to-night; Wednesday fair, warmer in north and west portions.

For South Dakota, and North Dakota, fair to-night; Wednesday fair and warmer.

For Montana, snow and warmer to-night and Wednesday, except fair in extreme east portion to-night.

For Wyoming, snow and warmer to-night and Wednesday, except fair in east portion to-night.

For Colorado, fair to-night, warmer in north and west portions; Wednesday fair, warmer in southeast portion.

For New Mexico, fair and colder to-night, cold wave in extreme south portion; Wednesday fair.

For Arizona, fair to-night, colder in south portion, with freezing temperature; Wednesday fair and warmer.

For Utah, fair and warmer to-night; Wednesday fair in south, snow in north portion, warmer.

For Northern California, rain to-night and Wednesday; warmer to-night.

For Southern California, fair to-night and Wednesday; light to heavy frost to-night.

For Nevada, and Idaho, snow and warmer to-night and Wednesday.

For Washington, snow to-night and Wednesday; warmer to-night.

For Oregon, rain or snow in west, snow in east portion to-night and Wednesday; warmer to-night.

Storm warnings are displayed on the coast from Point Reyes northward.

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 regions of marked changes in temperature during the last 24 hours. Shaded areas show regions of precipitation of .01 inch or more during the last 24 hours. Arrows point in the direction the wind is blowing. Solid black lines are isobars and solid red lines isotherms.

Wind velocities of less than 20 miles an hour, and amounts of precipitation of less than .01 of an inch, are not published hereon.

Symbols in 2918 ○ 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, ⚠a, ⚠p, thunderstorms at or near the station during 12 hours ending 8 a. m. or 8 p. m., respectively.

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 12 to 24 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 12 or 24 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

Kilometers

TUESDAY, December 9, 1919.—8 A. M.

Districts and Stations.	Pressure. Reduced to sea level and standard gravity.	Pressure. Abnormal change in 24 hours.	Temperature. Dry bulb.	Temperature. Change in 24 hours.	Temperature. Highest yesterday.	Temperature. Lowest last night.	Wind velocity in miles per hour.	Precipitation in 24 hours, ending this date.
NEW ENGLAND AND MIDDLE ATLANTIC STATES.								
Father Point, Que.	30.26	.....	24	− 2	30	22	30.5	0
Montreal, Que.	30.26	− 8	26	+ 6	36	24	12	0
Greenville, Me.	30.44	+ 2	24	+ 2	30	24	.....	0
Eastport, Me.	30.46	0	36	+ 8	34	30	10	0
Northfield, Vt.	30.34	− 6	28	+ 2	40	14	.....	0
Portland, Me.	30.42	0	32	+ 2	38	32	.....	.02
Concord, N. H.	30.38	.....	34	+ 4	.....	30	.....	.01
Boston, Mass.	30.32	− 6	42	+ 4	44	40	12	.26
Nantucket, Mass.	30.26	−12	46	+ 6	42	40	20	.16
Block Island, R. I.	30.24	−10	46	+ 6	42	40	20	.20
Hartford, Conn.	30.28	− 8	38	− 2	44	30	.....	.18
Canton, N. Y.	30.10	.....	32	+ 6	.....	24	10	.04
Syracuse, N. Y.	30.20	.....	30	+ 4	.....	24	14	.08
Binghamton, N. Y.	30.24	− 8	34	− 4	42	24	.....	.06
Albany, N. Y.	30.24	− 8	34	− 4	42	24	.....	.04
New York, N. Y.	30.20	− 8	42	+ 2	44	40	16	.32
Scranton, Pa.	30.14	−14	38	+ 2	42	36	.....	.34
Harrisburg, Pa.	30.12	−14	40	+ 2	38	36	.....	.56
Philadelphia, Pa.	30.14	−12	46	+ 4	42	40	10	.48
Atlantic City, N. J.	30.14	− 8	40	+10	44	40	.....	.36
Baltimore, Md.	30.10	−10	44	+ 4	40	40	30.4	.64
WASHINGTON, D. C.	30.10	−12	42	+ 1	39	39	.....	.26
Norfolk, Va.	30.18	− 8	50	+ 2	56	46	16	.22
Richmond, Va.	30.16	− 4	42	− 2	44	38	.....	.56
Lynchburg, Va.	30.16	− 4	40	+ 2	40	38	.....	.26
Wytheville, Va.	30.02	− 8	50	+ 2	56	44	14	.36
Charlotte, N. C.	30.12	+ 6	62	0	62	60	.....	.42
Asheville, N. C.	30.06	0	58	0	62	56	10	.82
Raleigh, N. C.	30.14	+ 4	56	− 8	64	44	.....	.36
Hatteras, N. C.	30.22	+ 6	62	+ 2	66	60	.....	.04
Wilmington, N. C.	30.20	+ 6	70	+ 4	74	64	.....	0
Charleston, S. C.	30.18	+ 4	70	+ 6	72	62	.....	0
Columbia, S. C.	30.16	.....	66	0	.....	62	.....	1.52
Greenville, S. C.	30.08	.....	62	− 2	.....	58	.....	1.52
Augusta, Ga.	30.16	+ 4	66	0	68	62	.....	.38
Savannah, Ga.	30.18	+ 8	68	+ 2	76	66	12	0
Jacksonville, Fla.	30.18	+ 8	68	+ 2	78	68	14	0
Miami, Fla.	30.18	+ 6	76	0	78	76	14	0
Key West, Fla.	30.12	+ 4	76	+ 4	82	76	14	0
SOUTHERN STATES.								
Atlanta, Ga.	30.04	+ 0	62	+ 2	66	58	10	2.94
Macon, Ga.	30.08	+ 4	68	0	72	62	14	1.42
Thomasville, Ga.	30.10	+ 4	70	0	78	66	.....	0
Tampa, Fla.	30.16	+ 4	66	0	80	66	.....	.02
Pensacola, Fla.	30.02	+ 6	72	0	74	68	22	0
Mobile, Ala.	29.96	+ 6	70	0	74	68	16	.10
Montgomery, Ala.	30.00	+ 6	66	− 2	68	66	.....	1.50
Birmingham, Ala.	30.00	+10	66	+ 4	68	62	.....	3.72
Meridian, Miss.	29.96	+14	64	+ 2	66	62	.....	6.98
Corinth, Miss.	29.92	.....	56	+10	.....	.....	.....	0
Vicksburg, Miss.	29.88	+10	66	+12	60	60	.....	1.36
New Orleans, La.	29.92	+ 6	74	+ 2	80	74	.....	0
Shreveport, La.	29.94	+16	52	+ 4	54	52	.....	.12
Fort Smith, Ark.	.....	.....	.....	.....	48	.....	.....	.....
Little Rock, Ark.	30.00	+20	42	+ 4	46	40	.....	.04
Palestine, Tex.	30.00	+24	38	−12	60	38	14	.54
Galveston, Tex.	29.84	+ 8	72	0	76	70	14	0
Houston, Tex.	29.84	.....	74	+ 8	.....	70	.....	.04
Taylor, Tex.	30.06	.....	36	+16	.....	36	24	.08
San Antonio, Tex.	29.92	+22	58	+ 2	76	58	24	.01
Corpus Christi, Tex.	29.82	+12	72	.....	82	68	.....	0
Brownsville, Tex.	29.80	+14	74	+ 2	84	72	.....	0
OHIO VALLEY AND TENN.								
Memphis, Tenn.	30.00	+10	40	0	44	40	.....	.08
Nashville, Tenn.	30.00	+ 4	54	+12	54	46	.....	.56
Chattanooga, Tenn.	30.00	+ 2	66	+ 8	62	60	.....	1.40
Knoxville, Tenn.	29.96	+ 6	60	+ 8	58	56	.....	1.28
Lexington, Ky.	29.92	.....	52	+18	.....	42	14	1.18
Louisville, Ky.	29.96	− 4	40	+ 8	44	38	.....	.66
Evansville, Ind.	30.00	+ 4	34	+ 4	40	34	30.4	0
Indianapolis, Ind.	29.94	−12	30	+ 2	30	30	.....	0
Cincinnati, Ohio	29.92	−14	38	+ 8	38	36	.....	.28
Columbus, Ohio	29.86	−22	40	+10	40	34	.....	.34
Elkins, W. Va.	29.90	−20	.....	.....	60	44	14	.06
Parkersburg, W. Va.	29.84	−24	46	+10	40	.....	.....	.84
Pittsburgh, Pa.	29.90	−20	44	+10	48	42	12	34
Oswego, N. Y.	30.04	.....	36	+ 2	.....	32	20	.08
Buffalo, N. Y.	29.96	−24	42	+12	34	28	.....	.04
Erie, Pa.	29.92	−22	42	+ 8	38	32	24	.02
Cleveland, Ohio	29.90	−22	40	+ 8	36	34	.....	14
Toledo, Ohio	29.94	−26	32	+ 6	28	28	10	0
Detroit, Mich.	29.94	−26	30	+ 6	30	26	10	0
Saginaw, Mich.	29.96	.....	28	+ 4	.....	18	30.5	0
Alpena, Mich.	30.06	−26	22	+10	28	14	10	0
Sault Ste. Marie, Mich.	30.20	− 6	12	+ 2	20	12	10	.01
Houghton, Mich.	30.32	.....	6	0	.....	2	12	.16
Marquette, Mich.	30.26	−12	14	+14	10	2	10	.16
Escanaba, Mich.	30.18	−16	16	+18	10	6	20	.16
Green Bay, Wis.	30.12	−18	8	+10	6	4	24	.06
Ludington, Mich.	30.04	.....	18	+ 2	22	12	12	0
Grand Haven, Mich.	29.98	−22	22	+ 2	22	12	.....	.01
Grand Rapids, Mich.	29.96	−22	24	+ 2	24	18	.....	0
Fort Wayne, Ind.	29.92	−22	30	+ 8	26	26	.....	0
Chicago, Ill.	30.00	−12	20	+ 4	28	18	10	0
Milwaukee, Wis.	30.04	−14	14	+ 8	12	8	20	0
Duluth, Minn.	30.42	− 2	14	+ 6	− 8	−14	22	0
White River, Ont.	30.36	+ 6	−14	−14	.....	−16	.....	0
MISSISSIPPI VALLEY.								
St. Paul, Minn.	30.44	+ 4	8	0	.....	− 8	14	.02
Madison, Wis.	30.14	+16	6	+ 4	4	− 8	16	.10
La Crosse, Wis.	30.30	.....	− 4	− 6	.....	− 4	10	.20
Charles City, Iowa	30.34	+ 6	10	− 6	12	− 8	12	.26
Dubuque, Iowa	30.22	− 6	2	− 4	8	− 2	10	.02
Davenport, Iowa	30.18	+ 4	6	− 2	12	4	.....	.14
Des Moines, Iowa	30.36	+10	4	+14	12	4	10	.20
Keokuk, Iowa	30.22	+10	6	− 8	14	2	10	.02
Peoria, Ill.	30.12	.....	10	− 8	14	10	10	.02
Springfield, Ill.	30.06	+ 2	14	−12	26	14	10	0
St. Louis, Mo.	30.06	+10	20	+10	30	20	12	0
Cairo, Ill.	30.02	+10	34	+ 2	38	34	.....	.20
Springfield, Mo.	30.18	.....	30	+14	−12	34	20	.01
Kansas City, Mo.	30.36	.....	34	+ 2	−12	14	2	.24
Columbia, Mo.	30.20	.....	8	−14	24	8	14	.04
Wichita, Kans.	30.46	.....	6	−20	18	− 2	18	.02
Concordia, Kans.	30.52	−34	− 6	−20	14	− 6	12	.22
Omaha, Nebr.	30.48	+22	− 6	−14	8	− 6	16	.26
Valentine, Nebr.	30.52	+20	−14	−20	4	−20	.....	.02
Sioux City, Iowa	30.52	+16	− 8	−12	4	− 8	12	.16
Huron, S. Dak.	30.60	+10	−10	− 2	− 6	−10	.....	.01
Moorhead, Minn.	30.56	+ 4	−14	−10	−10	−14	.....	0
Bismarck, N. Dak.	30.60	+ 4	−22	− 2	−10	−22	.....	0
Devils Lake, N. Dak.	30.50	+ 2	−26	0	−16	−26	.....	0
Williston, N. Dak.	30.54	+ 2	−26	− 2	−12	−26	14	0
ROCKY MOUNTAIN AND PLATEAU REGIONS.								
Havre, Mont.	30.68	+ 4	−30	− 8	−12	−30	.....	0
Helena, Mont.	30.56	+10	−34	+10	− 4	−28	.....	0
Yellowstone P'k, Wyo.	30.48	+16	−28	− 8	−14	−32	.....	0
Miles City, Mont.	30.72	+12	−28	−12	−10	−28	.....	0
Kalispell, Mont.	30.48	+10	−22	−14	6	−22	.....	0
Baker, Oreg.	30.18	.....	− 2	− 6	.....	− 8	.....	0
Pocatello, Idaho	30.38	+18	− 4	0	− 2	−12	14	0
Boise, Idaho	30.26	+ 4	10	+ 8	14	0	12	0
Rapid City, S. Dak.	30.64	+14	−20	−14	− 6	−20	.....	0
Sheridan, Wyo.	.....	.....	.....	− 6	.....	.....	.....	0
Lander, Wyo.	30.58	+26	−34	−28	− 6	−34	.....	.02
Salt Lake City, Utah	30.36	+30	− 4	−10	14	2	.....	0
Modena, Utah	30.30	+40	− 8	−36	28	− 8	.....	0
Grand Junction, Colo.	30.38	+62	−14	−40	30	−14	.....	.46
Cheyenne, Wyo.	30.46	+24	−16	− 8	− 8	−28	.....	.28
North Platte, Nebr.	30.66	+30	−22	−24	2	−22	.....	.06
Denver, Colo.	30.50	+32	−20	−22	2	−20	.....	.04
Pueblo, Colo.	30.56	+50	−24	−30	10	−20	.....	.20
Dodge City, Kans.	30.56	+46	−10	−22	12	−10	14	.04
Oklahoma, Okla.	30.40	+50	4	−22	28	4	34	.01
Altus, Okla.	.....	.....	.....	.....	.....	.....	.....	.....
Muskogee, Okla.	30.24	.....	14	−14	48	14	.....	0
Amarillo, Tex.	.....	.....	.....	.....	30	.....	.....	.....
Dallas, Tex.	30.20	+50	24	−20	.....	24	20	.02
Abilene, Tex.	.....	.....	.....	.....	72	.....	.....	.....
El Paso, Tex.	29.98	+30	42	+ 2	60	42	12	0
Del Rio, Tex.	29.94	.....	62	+ 4	.....	52	16	0
Roswell, N. Mex.	30.10	+52	16	−18	60	16	10	0
Santa Fe, N. Mex.	30.04	+50	12	−18	34	12	10	.01
Flagstaff, Ariz.	30.14	+46	− 2	−28	26	− 6	18	0
Phoenix, Ariz.	30.10	+28	36	−10	60	36	.....	0
Yuma, Ariz.	30.10	+26	48	+ 6	66	48	.....	0
PACIFIC SLOPE.								
Tatoosh Island, Wash.	.....	.....	.....	.....	36	.....	.....	.....
Spokane, Wash.	30.32	+ 8	− 4	−18	14	− 8	.....	0
Seattle, Wash.	30.00	−18	26	− 2	32	24	16	0
Portland, Oreg.	29.88	−28	20	− 4	34	20	14	.12
North Head, Wash.	29.74	−34	24	− 8	36	24	26	.20
Roseburg, Oreg.	29.88	−28	40	+12	38	30	.....	0
Tonopah, Nev.	.....	.....	.....	.....	46	.....	.....	.....
Winnemucca, Nev.	30.28	+10	− 4	−10	20	−10	.....	0
Eureka, Calif.	.....	.....	.....	.....	44	.....	.....	0
Red Bluff, Calif.	30.14	+ 6	28	−12	48	28	.....	0
Sacramento, Calif.	30.16	+14	32	− 2	.....	32	.....	0
San Francisco, Calif.	30.14	+ 5	40	− 8	54	40	.....	0
Fresno, Calif.	30.22	.....	30	−16	50	30	.....	0
Los Angeles, Calif.	30.14	+20	48	+ 2	60	44	.....	0
San Diego, Calif.	30.10	+12	48	− 6	58	48	.....	0
CAN. NW.								
Prince Rupert, B. C.	30.20	.....	16	−12	30	16	.....	0
Kamloops, B. C.	30.40	+ 4	− 8	−10	8	−10	.....	0
Edmonton, Alb.	30.52	0	−16	+ 8	−14	−20	.....	.02
Medicine Hat, Alb.	30.58	+ 6	−28	− 8	−10	−28	.....	0
Prince Albert, Sask.	30.42	+10	−24	− 2	−14	−26	.....	0
Qu'Appelle, Sask.	30.44	+10	−26	0	−18	−30	.....	0
Winnipeg, Manit.	30.48	+10	−26	+ 2	−18	−26	.....	0

Reports from Atlantic, Pacific, and Alaskan Stations.

Stations.	Pressure	Temp., dry bulb.	Wind. Direction.	Wind. Force.*	Weather
December 9, 1919.					
Lisbon, Portugal.	.....	.....	.....	.....	.....
Horta (Fayal), Azores.	30.48	62	sw.	3	cloudy.
Santa Cruz (Flores), Azores	.....	.....	.....	.....	.....
Hamilton, Bermuda.	30.50	70	se.	1	clear.
Turks Island, W. I.	30.16	.....	ne.	2	p. cloudy.
Havana, Cuba, W. I.	30.12	72	se.	1	clear.
Nassau, N. P., W. I.	.....	.....	.....	.....	.....
December 8, 1919.					
Local time.					
Honolulu, H. I., 8 p. m.	29.92	72	e.	1	clear.
Midway Island, 6:30 p. m.	29.68	66	sw.	6	rain.
135th meridian time.					
Nome, Alaska, 8 p. m.	30.20	28	n.	2	clear.
Tanana, Alaska, 8 p. m.	30.44	10	ne.	.....	clear.
Eagle, Alaska, 6 p. m.	30.88	−26	0	.....	clear.
Valdez, Alaska, 8 p. m.	30.46	12	0	.....	clear.
Juneau, Alaska, 8 p. m.	30.58	20	ne.	1	clear.
Sitka, Alaska, 8 p. m.	30.42	26	0	.....	clear.
Dutch Harbor, Alas., 8 p. m.	.....	.....	.....	.....	.....
Kodiak, Alaska, 8 p. m.	.....	.....	.....	.....	.....
St. Paul, Alaska, 8 p. m.	.....	.....	.....	.....	.....

* Beaufort scale.

RIVER STAGES, 8 a. m., DECEMBER 9, 1919.

Flood stages.	Stations.	Height above zero.	Change.	Remarks.
Feet.		*Feet.*	*Feet.*	
22	Pittsburgh	11.6	0.8	Falling.
36	Parkersburg	16.7	− 3.7	Rising.
50	Cincinnati	43.2	+ 7.0	Rising.
28	Louisville	18.9	+ 3.4	Rising.
35	Evansville	36.6	+ 0.1	Rising.
45	Cairo	38.1	− 0.6	Falling.
16	Peoria	.....	.....	.....
40	Nashville	24.5	+ 4.1	Rising.
33	Chattanooga	11.7	+ 2.5	Rising.
17	Sioux City	.....	.....	.....
19	Omaha	.....	.....	.....
22	Kansas City	2.1	+ 0.2	Rising.
14	St. Paul	.....	.....	.....
12	La Crosse	.....	.....	Frozen.
18	Dubuque	.....	.....	Frozen.
15	Davenport	2.4	+ 0.4	Rising.
14	Keokuk	0.7	+ 0.8	Rising.
30	St. Louis	4.4	− 0.3	Falling.
35	Memphis	30.8	0.0	Rising.
45	Vicksburg	37.2	1.2	Rising.
18	New Orleans	14.5	+ 0.5	Rising.
22	Fort Smith	.....	.....	.....
23	Little Rock	7.8	− 0.6	Falling.
89	Shreveport	20.6	− 0.8	Falling.
82	Augusta	28.0	+ 9.5	Rising.