U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

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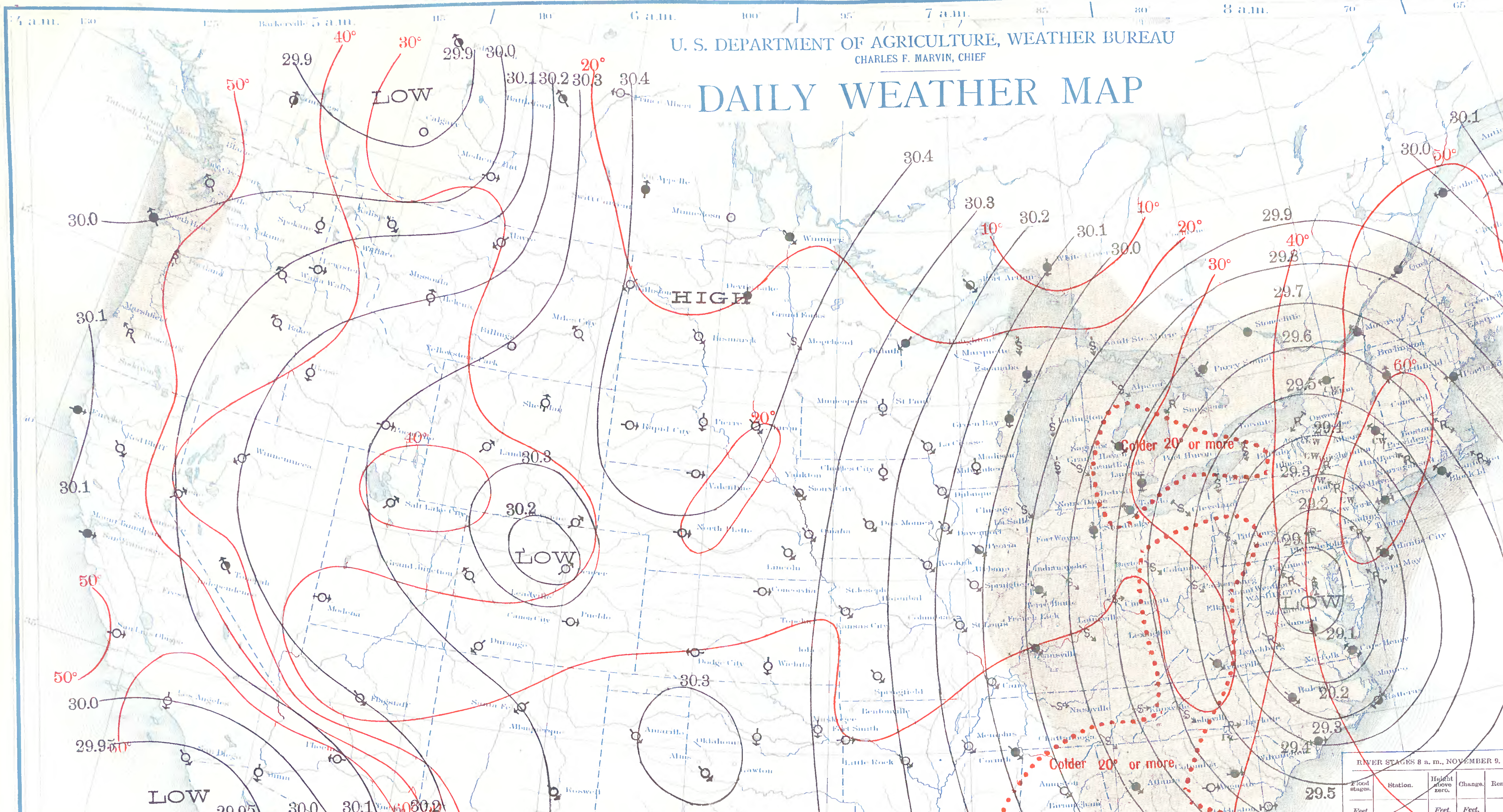
DAILY WEATHER MAP



Washington, D. C., Sunday, November 9, 1913—8 A. M.

WEATHER CONDITIONS AND GENERAL FORECAST.

There will be local snows to-night in the upper Lake region, followed by generally fair weather Monday, snow to-night and Monday along the lower Lakes, and rain or snow in New England and eastern New York. There will also be rain to-night in the Middle Atlantic States, possibly turning into snow over northern portion. Elsewhere fair weather will prevail to-night and Monday.

It will be much colder in the Atlantic States, with a cold wave in interior New York and northern Pennsylvania, and with frost southward through Florida to the 26th parallel. In the interior temperatures will remain comparatively low.

Storm warnings are displayed on the Atlantic coast from Eastport to Jacksonville and on the Great Lakes from Detroit to Oswego.

Warnings of frost or freezing temperature were issued for the east Gulf and South Atlantic States.

The winds along the New England and middle Atlantic coasts will be high and shifting, becoming northwest; on the south Atlantic coast high northwest; on the east Gulf coast northwest, diminishing; on the west Gulf coast moderate north and northeast.

FORECAST TILL 8 P. M. MONDAY.

For Northern New England, rain to-night, probably turning into snow in northwest portion; colder. Monday local snows and much colder; brisk to high shifting winds, becoming northwest by Monday.

For Southern New England, rain to-night, possibly turning into snow in west portion; colder. Monday local rains or snows and much colder; high shifting winds, becoming northwest to-night.

For Eastern New York, rain to-night, probably turning into snow; much colder, with a cold wave in the interior. Monday cloudy, probably local snows; high shifting winds, becoming northwest.

For Eastern Pennsylvania, rain or snow and much colder to-night, cold wave in north portion. Monday generally fair and colder; high west to northwest winds.

For New Jersey, rain to-night, possibly turning into snow in north and west portions; much colder. Monday colder and generally fair; high shifting winds, becoming northwest.

For Maryland, snow in west, rain or snow in east portion to-night; much colder. Monday fair; colder in east portion; brisk to high west to northwest winds.

For the District of Columbia, and Delaware, rain to-night, possibly turning into snow; much colder. Monday colder and generally fair; high west to northwest winds.

For Virginia, fair in south, rain or snow in north portion to-night; much colder, except in extreme southwest portion. Monday fair; high west to northwest winds.

For North Carolina, cloudy and colder to-night, temperature close to freezing. Monday fair and cold; high west to northwest winds.

For South Carolina, fair, colder to-night with heavy frost or freezing temperature. Monday fair and cold; high west to northwest winds, diminishing Monday.

For Georgia, fair to-night with heavy frost or freezing temperature. Monday fair; diminishing northwest winds.

For Florida, fair, colder to-night, with frost in central and north portions and possibly to the 26th parallel, probably heavy frost in north portion. Monday fair; diminishing northwest winds.

For Alabama, and Mississippi, fair to-night with frost, probably heavy. Monday fair; moderate northwest to north winds.

For Tennessee, and Kentucky, fair and continued cold to-night and Monday.

For Western New York, snow to-night; colder in east portion. Monday cloudy, probably local snows; high northwest winds.

For West Virginia, Western Pennsylvania, and Ohio, local snows to-night. Monday generally fair.

For Indiana, fair, continued cold to-night. Monday fair, slightly warmer.

For Lower Michigan, local snows to-night. Monday generally fair and slightly warmer.

For Upper Michigan, cloudy and unsettled to-night. Monday fair, slightly warmer.

For the Lower Lakes, high northwest winds; snow and colder to-night. Monday cloudy, probably snow flurries on Ontario and eastern Erie.

For the Upper Lakes, diminishing northwest and north winds; cloudy and unsettled to-night. Monday fair.

H. C. FRANKENFIELD, Professor and District Forecaster.

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 24 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

Kilometers

SUNDAY, November 9, 1913.—8 A. M.

Districts and Stations.	Pressure.		Temperature.				Wind velocity in miles per hour.	Precipitation in past 24 hours, inches.
	Reduced to sea level and standard gravity.	Abnormal change in 12 hours.	Dry bulb.	Change in 24 hours.	Highest yesterday.	Lowest last night.		
Atlantic Coast States and St. Lawrence Valley.								
Montreal, Que.	29.60	—4	56	+8	58	52	14	.28
Greenville, Me.	....	....	....	....	46	....	....	....
Eastport, Me.	29.96	—16	50	0	54	50	24	0
Northfield, Vt.	29.64	—28	58	+26	54	48	8	.34
Portland, Me.	29.80	—20	52	+12	52	52	24	.04
Boston, Mass.	29.64	—32	54	+6	58	52	24	.06
Nantucket, Mass.	29.62	—32	58	+4	64	56	26	.02
Block Island, R. I.	29.56	—30	58	+2	60	58	24	.01
Hartford, Conn.	29.52	—32	62	+18	56	58	20	0
Canton, N. Y.	29.50	....	48	[illegible]	[illegible]	48	10	.80
Syracuse, N. Y.	29.42	—32	[illegible]	[illegible]	[illegible]	46	6	.34
Binghamton, N. Y.	29.34	....	[illegible]	—6	....	48	Lt.	.58
Albany, N. Y.	29.46	—34	64	+16	58	56	10	.06
New York, N. Y.	29.38	—38	60	+6	62	58	48	.34
Scranton, Pa.	29.32	—44	60	+6	62	54	6	.54
Harrisburg, Pa.	29.16	—60	58	+8	54	50	12	.42
Philadelphia, Pa.	29.24	—52	62	+10	64	60	16	.78
Atlantic City, N. J.	29.30	—44	58	+2	62	48	16	.56
Cape May, N. J.	29.28	....	60	+2	....	58	20	.18
WASHINGTON, D. C.	29.14	—58	56	+4	59	54	8	.68
Mount Weather, Va.	29.10	—64	46	+6	52	42	24	.80
Norfolk, Va.	29.16	—56	54	0	66	52	12	.54
Richmond, Va.	29.12	—58	52	+4	62	52	10	.48
Lynchburg, Va.	29.22	—48	40	0	56	40	20	2.84
Wytheville, Va.	29.40	—28	30	—20	52	30	16	.86
Charlotte, N. C.	29.46	—18	38	—12	60	38	10	.78
Asheville, N. C.	29.54	—16	30	—22	54	30	18	.12
Raleigh, N. C.	29.32	—32	42	0	68	42	14	1.04
Hatteras, N. C.	29.28	—44	58	+2	62	54	20	.28
Wilmington, N. C.	29.40	—22	48	0	70	48	24	.62
Charleston, S. C.	29.58	+4	42	—18	74	42	20	.15
Augusta, Ga.	29.62	+2	38	—16	62	38	22	1.90
Columbia, S. C.	29.52	....	40	—12	....	40	20	1.94
Savannah, Ga.	29.68	+4	42	—20	76	42	20	1.80
Jacksonville, Fla.	29.84	+14	44	—16	78	44	16	.26
Titusville, Fla.	29.86	+12	48	—20	80	48	[illegible]	.12
Miami, Fla.	29.86	+6	60	—14	78	60	12	.58
Key West, Fla.	29.88	+8	72	—4	82	72	28	.01
Gulf States.								
Atlanta, Ga.	29.70	—14	32	—26	58	32	26	.01
Macon, Ga.	29.74	+2	40	—20	64	38	22	.94
Thomasville, Ga.	29.86	+8	38	—22	74	38	10	.36
Tampa, Fla.	29.92	+16	52	—14	74	52	14	.04
Pensacola, Fla.	30.00	+2	42	—22	70	42	16	0
Mobile, Ala.	30.02	0	44	—20	70	42	14	0
Montgomery, Ala.	29.90	—6	40	—22	66	38	Lt.	0
Birmingham, Ala.	29.94	—8	36	—20	56	36	14	0
Meridian, Miss.	30.02	—2	38	—20	60	28	8	0
Corinth, Miss.	29.94	....	34	—14	....	....	....	0
Vicksburg, Miss.	30.16	+2	40	—12	58	40	10	0
New Orleans, La.	30.14	+6	48	—14	66	48	18	0
Burrwood, La.	....	....	....	....	....	....	....	....
Shreveport, La.	30.24	—2	40	—10	58	40	8	0
Fort Smith, Ark.	30.24	+2	36	—8	50	36	Lt.	0
Little Rock, Ark.	30.18	+4	38	—12	56	36	16	0
Palestine, Tex.	30.26	—4	40	—12	62	40	Lt.	0
Galveston, Tex.	30.30	+2	48	—14	64	48	8	0
Houston, Tex.	30.28	....	44	—14	....	42	Lt.	0
Taylor, Tex.	30.30	....	42	—10	....	42	6	0
San Antonio, Tex.	30.34	—2	42	—14	66	42	Lt.	0
Corpus Christi, Tex.	30.36	+2	48	—14	68	48	8	0
Brownsville, Tex.	30.30	0	46	—22	74	44	8	0
Ohio Val. and Tenn.								
Memphis, Tenn.	30.08	0	36	—14	52	36	20	0
Nashville, Tenn.	29.86	—14	32	—16	50	32	20	.02
Chattanooga, Tenn.	29.80	—14	32	—20	56	32	14	.02
Knoxville, Tenn.	29.68	—18	34	—18	54	32	8	.02
Lexington, Ky.	....	....	....	....	....	....	....	....
Louisville, Ky.	29.80	—12	30	—16	46	30	20	.01
Evansville, Ind.	29.90	—8	32	—12	44	32	16	.02
Terre Haute, Ind.	29.86	—10	26	—14	40	26	14	.02
Indianapolis, Ind.	29.76	—14	28	—12	40	26	20	.02
Cincinnati, Ohio	29.68	—20	32	—18	50	30	10	.06
Columbus, Ohio	29.58	—24	30	—20	54	30	18	.02
Elkins, W. Va.	....	....	....	....	56	....	....	....
Parkersburg, W. Va.	29.52	—28	30	—20	56	30	12	.28
Pittsburgh, Pa.	29.40	—34	32	—24	56	32	20	.54
Lake Region.								
Oswego, N. Y.	29.46	—28	48	—4	62	46	20	.34
Buffalo, N. Y.	29.52	—20	34	—22	56	32	12	.32
Erie, Pa.	29.50	....	34	—18	....	34	16	.36
Cleveland, Ohio	29.52	—24	34	—18	52	34	24	.08
Toledo, Ohio	29.62	—16	30	—22	52	30	24	0
Detroit, Mich.	29.62	—10	30	—20	50	30	18	0
Saginaw, Mich.	29.72	....	26	—22	....	26	12	0
Alpena, Mich.	29.74	+20	28	—18	48	26	20	.01
Sault Ste. Marie, Mich.	29.92	+26	20	—28	48	20	16	.26
Marquette, Mich.	30.10	+16	24	—4	28	24	24	.34
Escanaba, Mich.	29.98	+10	26	—4	30	26	[illegible]	.18
Green Bay, Wis.	29.98	+10	24	—4	30	20	[illegible]	.12
Ludington, Mich.	29.84	....	30	—6	36	28	34	.20
Grand Haven, Mich.	29.82	+4	28	—12	40	26	22	.16
Grand Rapids, Mich.	29.80	+2	26	—16	42	26	10	.02
Fort Wayne, Ind.	29.72	—14	30	—10	40	30	12	0
Chicago, Ill.	29.90	—12	28	—8	38	28	24	0
Duluth, Minn.	30.26	+8	20	0	32	18	14	0
Up. Miss. Val.								
St. Paul, Minn.	30.22	+4	22	—8	38	22	8	0
Madison, Wis.	30.06	+10	24	—8	32	24	20	0
La Crosse, Wis.	30.14	....	24	—8	....	24	8	0
Charles City, Iowa	30.18	+4	22	—8	38	22	6	0
Dubuque, Iowa	30.12	+8	26	—8	36	26	8	0
Davenport, Iowa	30.08	+2	24	—10	38	24	8	0
Des Moines, Iowa	30.22	+4	26	—6	44	26	8	0
Keokuk, Iowa	30.12	0	26	—10	42	26	8	0
Peoria, Ill.	30.04	....	26	—6	....	26	12	.01
Springfield, Ill.	30.02	0	26	—12	42	26	6	0
St. Louis, Mo.	30.04	0	28	—14	46	28	20	0
Cairo, Ill.	30.00	0	32	—12	48	32	18	0
Missouri Valley.								
Springfield, Mo.	30.20	0	28	—8	46	28	12	0
Kansas City, Mo.	30.28	+4	30	—6	42	28	14	0
Wichita, Kans.	30.32	+2	32	—2	52	30	8	0
Concordia, Kans.	30.36	+4	24	—10	52	24	6	0
Omaha, Nebr.	30.30	0	26	—6	42	26	Lt.	0
Lincoln, Nebr.	30.34	....	24	—6	....	24	Lt.	0
Valentine, Nebr.	30.40	+2	22	—10	44	22	6	0
Sioux City, Iowa	30.30	....	28	—4	42	24	12	0
Huron, S. Dak.	30.38	0	20	—10	40	20	8	0
Pierre, S. Dak.	30.46	+4	24	—6	42	24	Lt.	0
Moorhead, Minn.	30.34	+2	32	+6	38	26	18	0
Bismarck, N. Dak.	30.46	+6	20	—4	46	20	8	0
Devils Lake, N. Dak.	30.42	+14	22	—6	40	22	20	0
Williston, N. Dak.	30.44	+8	18	—6	46	18	Lt.	0
Rocky Mountain and Plateau Regions.								
Havre, Mont.	30.14	—18	30	+2	56	30	Lt.	0
Billings, Mont.	30.24	....	24	—2	58	24	0	0
Helena, Mont.	30.24	—14	32	—2	48	32	8	0
Yellowstone P'k, Wyo.	....	....	....	....	....	....	....	....
Miles City, Mont.	30.36	—2	26	—2	54	26	Lt.	0
Kalispell, Mont.	30.18	....	30	—8	....	30	Lt.	0
Lewiston, Idaho	30.10	....	44	+4	....	44	Lt.	0
Baker, Oreg.	30.20	....	42	+2	....	42	6	0
Pocatello, Idaho	30.32	—8	32	—2	58	32	Lt.	0
Boise, Idaho	30.20	—10	40	0	62	40	Lt.	0
Rapid City, S. Dak.	30.40	—2	26	—4	48	26	Lt.	0
Sheridan, Wyo.	30.32	—10	24	+2	58	24	Lt.	0
Lander, Wyo.	30.36	—10	30	+10	58	26	10	0
Salt Lake City, Utah	30.32	—6	44	+6	56	40	Lt.	0
Modena, Utah	30.26	—4	26	—8	60	26	10	0
Grand Junction, Colo.	30.34	—2	36	—4	62	36	Lt.	0
Durango, Colo.	30.32	—2	28	—2	60	28	8	0
Cheyenne, Wyo.	30.28	—14	32	+12	56	30	Lt.	0
North Platte, Nebr.	30.40	+4	20	—2	54	20	Lt.	0
Denver, Colo.	30.20	—16	34	+6	58	32	Lt.	0
Pueblo, Colo.	30.34	—4	26	+2	54	26	Lt.	0
Dodge City, Kans.	30.36	+2	30	—2	56	30	Lt.	0
Oklahoma, Okla.	30.32	—2	34	—2	54	34	6	0
Altus, Okla.	30.28	....	34	—4	58	34	....	0
Muskogee, Okla.	30.28	....	30	—10	54	30	....	0
Amarillo, Tex.	30.28	—12	40	+8	56	38	6	0
Dallas, Tex.	30.28	....	40	—8	....	40	Lt.	0
Abilene, Tex.	30.34	—6	38	—6	56	38	Lt.	0
El Paso, Tex.	30.28	—4	38	—10	62	38	Lt.	0
Del Rio, Tex.	30.34	....	34	—18	....	34	Lt.	0
Roswell, N. Mex.	30.32	0	34	—6	60	30	Lt.	0
Santa Fe, N. Mex.	30.28	—10	38	+10	54	32	8	0
Flagstaff, Ariz.	30.24	+8	24	—20	58	22	Lt.	0
Phoenix, Ariz.	30.02	—2	66	+8	86	62	Lt.	0
Yuma, Ariz.	29.98	—6	62	+2	88	62	Lt.	0
Pacific Slope.								
Tatoosh Island, Wash.	....	....	....	....	58	....	....	....
Spokane, Wash.	30.10	—12	42	+2	52	40	Lt.	0
Walla Walla, Wash.	30.12	—8	38	+2	46	38	12	0
Seattle, Wash.	30.02	+12	52	+8	56	50	12	.04
Portland, Oreg.	30.04	+14	48	—2	56	48	0	.02
North Head, Wash.	29.98	....	52	—4	....	52	26	.10
Roseburg, Oreg.	30.06	+16	50	—2	56	50	Lt.	.02
Reno, Nev.	30.12	....	38	....	....	38	Lt.	0
Tonopah, Nev.	30.20	—4	48	....	66	48	Lt.	0
Winnemucca, Nev.	30.20	—2	32	—6	66	32	6	0
Eureka, Cal.	30.10	+10	54	+2	60	52	Lt.	0
Red Bluff, Cal.	30.06	—2	52	0	70	52	Lt.	0
Sacramento, Cal.	....	....	....	....	70	....	....	....
San Francisco, Cal.	30.06	—2	54	—6	70	52	Lt.	0
Fresno, Cal.	....	....	....	....	80	....	....	....
San Luis Obispo, Cal.	30.06	....	50	—2	....	50	Lt.	0
Los Angeles, Cal.	30.00	—4	68	—2	92	66	6	0
San Diego, Cal.	29.94	—2	66	+6	78	64	Lt.	0

RIVER STAGES 8 a. m., NOVEMBER 9, 1913.

Flood stages.	Station.	Height above zero.	Change.	Remarks.
Feet.		Feet.	Feet.	
22	Pittsburgh	6.0	—0.3	Falling.
36	Parkersburg	6.1	0.0	Falling.
50	Cincinnati	[illegible]	—0.1	Falling.
28	Louisville	7.9	—0.9	Falling.
35	Evansville	8.4	—1.1	Falling.
45	Cairo	12.8	—0.5	Falling.
16	Terre Haute	0.8	0.0	Falling.
14	Peoria	10.2	+0.3	Rising.
40	Nashville	7.6	+0.3	Rising.
33	Chattanooga	6.0	0.0	Falling.
17	Sioux City	.....	.....	
19	Omaha	6.9	0.0	Rising.
22	Kansas City	7.2	0.0	Falling.
14	St. Paul	2.0	—0.1	Falling.
12	La Crosse	3.1	0.0	Falling.
18	Dubuque	4.5	0.0	Falling.
15	Davenport	3.6	0.0	Rising.
15	Keokuk	3.0	—0.2	Falling.
30	St. Louis	4.7	—0.2	Falling.
35	Memphis	9.3	+0.4	Rising.
45	Vicksburg	7.3	0.0	Falling.
18	New Orleans	4.7	—0.6	Falling.
22	Fort Smith	.....	.....	
23	Little Rock	1.8	—0.4	Falling.
29	Shreveport	0.4	—0.4	Falling.
32	Augusta	9.8	+2.4	Rising.

Reports from Atlantic and European stations.

Stations.	Pressure.	Temp., dry bulb.	Wind. Direction.	Wind. Force.*	Weather.
November 9, 1913.					
Seydisfjord, Iceland	29.84	36	sw.	2	cloudy.
Thorshavn, Faroe Island	29.72	40	o	0	cloudy.
Lerwick, Scotland	29.74	48	s.	4	p. cloudy.
Stornaway, Scotland	29.66	48	s.	2	cloudy.
Malin Head, Ireland	29.54	46	s.	4	p. cloudy.
Blacksod, Ireland	29.42	50	s.	4	cloudy.
Valentia, Ireland	29.36	56	se.	6	rain.
London, England	29.78	34	o	0	clear.
Cuxhaven (Hamburg) Ger.	29.82	42	se.	2	cloudy.
Paris, France	29.84	52	sw.	4	cloudy.
Lisbon, Portugal	.....	60	s.	2	cloudy.
Horta (Fayal), Azores	29.80	62	nw.	2	p. cloudy.
Hamilton, Bermuda	29.84	74	sw.	3	clear.
Turks Island, W. I.	29.90	.....	s.	1	clear.
Havana, Cuba, W. I.	29.94	74	nw.	3	p. cloudy.
Nassau, N. P., W. I.	.....	.....	.....	.....	.....
November 8 (local time).					
Honolulu, H. I., 8 p. m.	30.00	74	e.	1	rain.
Nome, Alaska, 4 p. m.	29.46	30	se.	2	cloudy.
Tanana, Alaska, 7 p. m.	29.86	—2	e.	1	clear.
Eagle, Alaska, 7 p. m.	29.84	8	s.	1	cloudy.
Valdez, Alaska, 7 p. m.	29.38	34	ne.	3	clear.
Sitka, Alaska, 5 p. m.	29.10	38	nw.	.....	rain.
Dutch Harbor, Alas., 3 p. m.	30.08	48	sw.	4	cloudy.

*Beaufort scale.