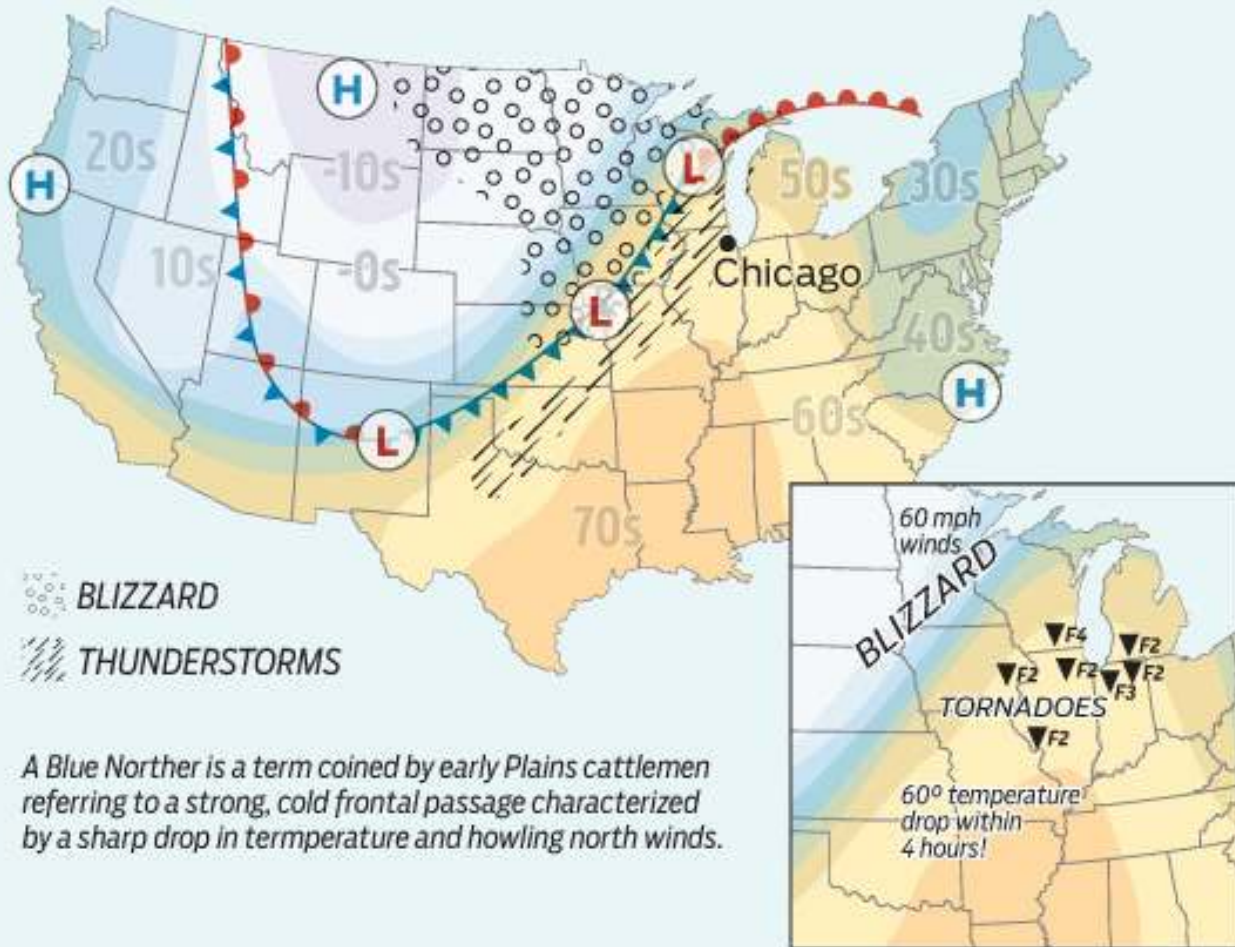


# The Great Blue Norther: 100 years ago – Nov. 11, 1911

WEATHER CONDITIONS AND TEMPERATURES  
7 A.M. SATURDAY 11/11/1911



BLIZZARD

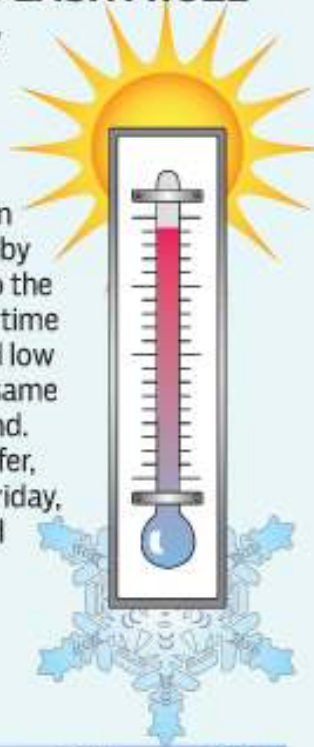
THUNDERSTORMS

A Blue Norther is a term coined by early Plains cattlemen referring to a strong, cold frontal passage characterized by a sharp drop in temperature and howling north winds.

SOURCES: Frank Wachowski, National Weather Service archives

## THE DAY THE MIDWEST FLASH FROZE

Friday marks the 100th anniversary of one of the most extraordinary weather events in U.S. history — the Great Blue Norther. From the central and southern Plains to the southern Great Lakes, the day began with unseasonably mild temps. But by midnight, temps had plummeted to the teens and single digits. For the only time since 1870, both the record high and low temp for the date occurred on the same day. Some of these records still stand. Though doomsayers may beg to differ, 11/11/1911, was a coincidence. This Friday, 11/11/2011, is expected to be tranquil by comparison.



## SOME REMARKABLE TEMPERATURE DROPS

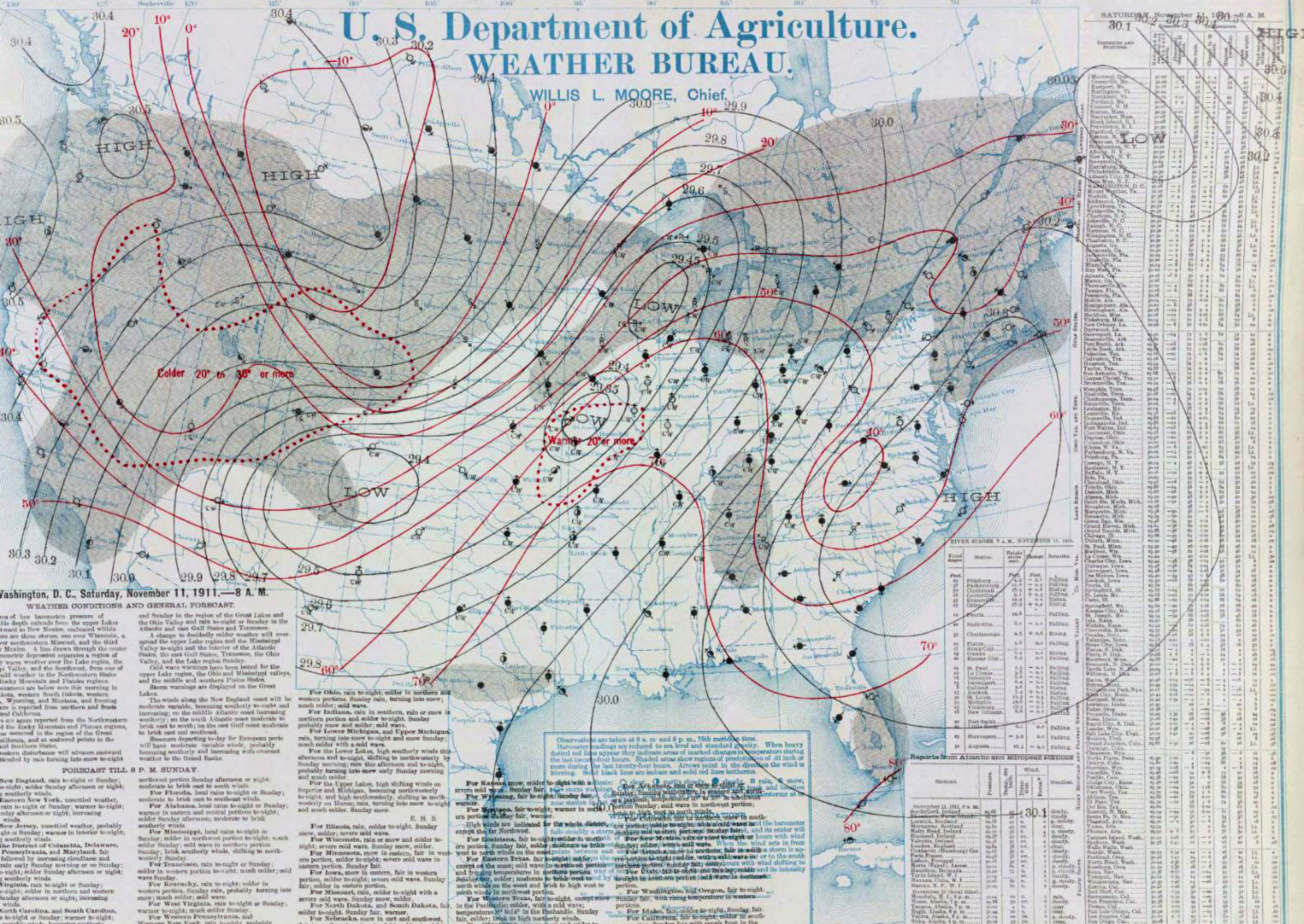
	HIGH	LOW	DROP
■ Springfield, Mo.	80°	8°	72°
■ Kansas City, Mo.	76°	6°	70°
■ Oklahoma City	82°	14°	68°
■ St. Louis	78°	12°	66°
■ Chicago	74°	16°	58°
■ Little Rock, Ark.	80°	22°	58°

PAUL MERZLOCK AND JENNIFER M. KOHNKE / WGN-TV

# U.S. Department of Agriculture. WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SATURDAY, November 11, 1911. 8 A.M.



Washington, D. C., Saturday, November 11, 1911.—8 A.M.  
**WEATHER CONDITIONS AND GENERAL FORECAST.**

on of low barometric pressure of the depth extends from the upper Lakes toward in New Mexico, enhanced within are these storms, one over Wisconsin, a other northwestern Missouri, and the third in Mexico. A line drawn through the center metric depression separates a region of y weather over the Lake region, the the Valley and the Southwest, from one of all weather to the Northwestern Slope Rocky Mountain and Plateau regions. erates are below over this morning in ana, western South Dakota, western Wyoming, and Montana, and freezing ure is reported from northern and from and California.

are again reported from the Northwestern the Rocky Mountain and Plateau regions, a occurred in the region of the Great allifornia, and at scattered points in the western disturbance will assume westward, iteeted by rain turning into snow to-night

and Sunday in the region of the Great Lakes and the Ohio Valley and rain to-night or Sunday in the Atlantic and east Gulf States and Tennessee.

A change to decidedly colder weather will over spread the upper Lake region and the Mississippi Valley to-night and the interior of the Atlantic States, the east Gulf States, Tennessee, the Ohio Valley, and the Lake region Sunday.

Cold wave warnings have been issued for the upper Lake region, the Ohio and Mississippi valleys, and the middle and southern Plains States.

Storm warnings are displayed on the Great Lakes.

The winds along the New England coast will be moderate variable, becoming easterly to-night and increasing; on the middle Atlantic coast increasing southerly; on the south Atlantic coast moderate to brisk east to south; on the east Gulf coast moderate to brisk east and southerly.

Steamers departing to-day for European ports will have moderate variable winds, probably becoming southerly and increasing with westward westward in the Grand Basin.

**FORECAST TILL 8 P. M. SUNDAY.**

New England, rain to-night or Sunday; moderate to brisk east or south winds.

For Florida, local rain to-night or Sunday; moderate to brisk east to southerly winds.

For Alabama, local rain to-night or Sunday; warmer in eastern and central portions to-night; colder Sunday afternoon; moderate to brisk southerly winds.

For Mississippi, local rain to-night or Sunday; colder in northwest portion to-night; such colder Sunday; cold wave in northern portion Sunday; brisk southerly winds, shifting to north-westerly Sunday.

For Tennessee, rain to-night or Sunday; colder in western portion to-night; such colder; cold wave Sunday.

For Kentucky, rain to-night; colder in western portion, Sunday rain, probably turning into snow; much colder; cold wave.

For West Virginia, rain to-night or Sunday; warmer to-night; much colder Sunday.

For Western Pennsylvania and Western New York, rain to-night, probably turning into snow Sunday; much colder Sunday; severe cold wave in eastern portion, Sunday fair; warmer in western portion.

For Ohio, rain to-night; colder in northern and western portions, Sunday rain, turning into snow; much colder; cold wave.

For Indiana, rain in southern, rain or snow in northern portion and cold to-night, Sunday probably snow and colder; cold wave.

For Lower Michigan, and Upper Michigan, rain, turning into snow to-night and snow Sunday; much colder with a cold wave.

For the Upper Lakes, high southerly winds this afternoon and to-night, shifting to northwesterly Sunday morning; rain this afternoon and to-night, probably turning into snow early Sunday morning and much colder.

For the Upper Lakes, high shifting winds on Superior and Michigan, becoming northwesterly to-night, and high southerly, shifting to northwesterly on Huron; rain, turning into snow to-night and much colder, Sunday snow.

For Illinois, rain, cold to-night, Sunday snow, colder; severe cold wave.

For Wisconsin, rain or snow and cold to-night; severe cold wave, Sunday snow, colder.

For Minnesota, snow in eastern, fair in western portion, Sunday fair.

For Iowa, snow in eastern, fair in western portion, cold to-night; severe cold wave, Sunday fair; colder in eastern portion.

For Missouri, rain, cold to-night with a severe cold wave, Sunday snow, colder.

For North Dakota, and South Dakota, fair, colder to-night, Sunday fair, warmer.

For Nebraska, snow in east and southwest, fair in northwest portion to-night; colder to-night with a cold wave; temperatures 10°-20° Sunday fair, colder; brisk to high northerly winds.

For Western Texas, fair to-night, except snow in the Panhandle; colder, with a cold wave, temperature 50°-64° in the Panhandle, Sunday fair, colder; brisk to high northerly winds.

For Eastern Texas, fair to-night, colder to-night with a cold wave; temperatures 10°-20° Sunday fair, colder; brisk to high northerly winds.

For Nevada, fair to-night and Sunday.

For Kansas, snow, cold to-night with a cold wave; severe cold wave, Sunday fair, 10°-20° storm warning.

For Wyoming, fair to-night, Sunday fair, 10°-20° storm warning.

For Montana, fair to-night, warmer in north portion, Sunday fair, warmer.

High winds are indicated for the whole district, except the Northwest.

For Louisiana, fair to-night; colder in north portion, Sunday fair, colder; moderate to brisk west to north winds on the coast; moderate to brisk west to north winds on the coast; moderate to brisk west to north winds on the coast; moderate to brisk west to north winds on the coast.

For New Mexico, rain or snow to-night or boom with wind to north winds on the coast; moderate to brisk west to north winds on the coast; moderate to brisk west to north winds on the coast; moderate to brisk west to north winds on the coast.

For California, fair to-night, colder in south portion, Sunday fair, with severe frost in the morning.

For Idaho, fair, colder to-night, Sunday fair.

For Arizona, fair to-night, colder in south portion, Sunday fair with severe frost in the morning.

For Nevada, fair to-night and Sunday.

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 dusted 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.

### RIVER STAGES 8 A.M., NOVEMBER 11, 1911.

Stage	Station	Height above foot	Remarks
22	Phosberg	2.9	Falling
23	Phosberg	2.9	Falling
24	Phosberg	2.9	Falling
25	Phosberg	2.9	Falling
26	Phosberg	2.9	Falling
27	Phosberg	2.9	Falling
28	Phosberg	2.9	Falling
29	Phosberg	2.9	Falling
30	Phosberg	2.9	Falling
31	Phosberg	2.9	Falling

### Reports from Atlantic and European Stations.

Station	Forecast	Temp	Wind	Pressure
London, England	cloudy	53.0	S. S.W.	30.1
Berlin, Germany	cloudy	52.0	S. S.W.	30.1
Paris, France	cloudy	51.0	S. S.W.	30.1
Rome, Italy	cloudy	50.0	S. S.W.	30.1
Moscow, Russia	cloudy	49.0	S. S.W.	30.1
St. Petersburg, Russia	cloudy	48.0	S. S.W.	30.1
Odessa, Russia	cloudy	47.0	S. S.W.	30.1
Constantinople, Turkey	cloudy	46.0	S. S.W.	30.1
Algiers, Algeria	cloudy	45.0	S. S.W.	30.1
Cairo, Egypt	cloudy	44.0	S. S.W.	30.1
Aden, Arabia	cloudy	43.0	S. S.W.	30.1

### FORECAST AND STATISTICS.

City	High	Low	Wind	Pressure
Washington	30.4	30.1	S. S.W.	30.1
New York	30.3	30.0	S. S.W.	30.0
Chicago	30.2	29.9	S. S.W.	29.9
San Francisco	30.1	29.8	S. S.W.	29.8
London	30.0	29.7	S. S.W.	29.7
Berlin	29.9	29.6	S. S.W.	29.6
Paris	29.8	29.5	S. S.W.	29.5
Rome	29.7	29.4	S. S.W.	29.4
Moscow	29.6	29.3	S. S.W.	29.3
St. Petersburg	29.5	29.2	S. S.W.	29.2
Odessa	29.4	29.1	S. S.W.	29.1
Constantinople	29.3	29.0	S. S.W.	29.0
Algiers	29.2	28.9	S. S.W.	28.9
Cairo	29.1	28.8	S. S.W.	28.8
Aden	29.0	28.7	S. S.W.	28.7