

that a magnetic storm began on the 20th and continued for a week thereafter, the details of which will be published elsewhere. Apparently, therefore, the electric disturbance that caused the magnetic storm had accompanied this area of high pressure from its very beginning in Siberia or Alaska.

10. As a suggestion in future observations of the aurora and in order to save time it is recommended that when an aurora appears in the early evening each observer should first determine the exact error of his watch on standard seventy-fifth meridian time, and then, in addition to any general description of the aurora that he may choose to make, should make an exact description of the location of the beams.

streamers, and arches and the colored lights at the exact minute of the beginning of the whole hours 7, 8, 9, 10, or 11 p. m. of this standard time and should note whether at such moments the beams are moving eastward or westward.

EARTH CURRENTS AND MAGNETIC STORMS.

The U. S. Naval Observatory at Washington reported a remarkable magnetic storm from the 20th to the 26th.

Disturbances on the telegraph lines were reported on the following dates, viz, at Davenport, Iowa, February 22, for one hour on lines in all directions; Kansas City, Mo., on the 23d; Duluth, Minn., 22d, 23d, 24th, 28th.

STATE WEATHER SERVICES.

[*Temperature in degrees Fahrenheit; precipitation, including melted snow, in inches and hundredths.*]

The following extracts and summaries are republished from reports for February, 1894, of the directors of the various state weather services:

ALABAMA.

Temperature.—The mean was 1.4 below the normal; maximum, 80, at Brewton, 21st. and at Geneva, 9th and 18th; minimum, 12, at Opelika, 13th; greatest monthly range, 59, at Newburg and Opelika; least monthly range, 41, at Birmingham.

Precipitation.—The average was 2.42 above the normal; greatest monthly, 16.54, at Brewton; least monthly, 1.71, at Sturdevant.

Wind.—Prevailing direction, north.—*F. P. Chaffee, Local Forecast Official, Weather Bureau, Montgomery, director.*

ARIZONA.

Temperature.—The mean was 5.0 below the normal; maximum, 89, at Buckeye, 28th; minimum, -9, at Flagstaff, 14th; greatest monthly range, 71, at Whipple Barracks; least monthly range, 43, at Oracle and Red Rock.

Precipitation.—The average was 0.10 below the normal; greatest monthly, 3.43, at Fort Grant; least monthly, trace, at Parker and Yuma.—*W. Burrows, Observer, Weather Bureau, Tucson, director.*

ARKANSAS.

Temperature.—The mean was 6.3 below the normal; maximum, 75, at Blanchard Springs and Hamburg, 19th; minimum, zero, at Rogers, 15th; greatest monthly range, 64, at Rogers; least monthly range, 41, at Mount Ida.

Precipitation.—The average was 1.98 above the normal; greatest monthly, 11.46, at Searcy; least monthly, 2.15, at Gaines Landing.

Wind.—Prevailing direction, north.—*F. H. Clarke, Local Forecast Official, Weather Bureau, Little Rock, director; G. G. Harkness, Observer, Weather Bureau, assistant.*

CALIFORNIA.

Temperature.—The mean was 3.0 below the normal; maximum, 90, at Indio and Volcano Springs, 27th; minimum, -15, at Truckee, 11th; greatest monthly range, 72, at Weaverville; least monthly range, 24, at San Francisco and Point Reyes Light.

Precipitation.—The average was 0.09 below the normal; greatest monthly, 16.48, at Meadow Valley; least monthly, 0.12, at Needles.

Wind.—Prevailing direction, west.—*J. A. Barwick, Observer, Weather Bureau, Sacramento, director.*

COLORADO.

Temperature.—The mean was 8.0 below the normal; maximum, 73, at Lamar, 23d; minimum, -34, at Steamboat Springs, 4th; greatest monthly range, 85, at Akron; least monthly range, 37, at Pikes Peak.

Precipitation.—The average was 0.10 above the normal; greatest monthly, 7.77, at Breckenridge; least monthly, trace, at Kirk.

Wind.—Prevailing direction, west.—*R. H. Sullivan, Observer, Weather Bureau, Denver, acting director.*

CONNECTICUT.

(See New England.)

DELAWARE.

(See Maryland.)

FLORIDA.

Temperature.—The mean was 2.1 below the normal; maximum, 86, at Orlando, 3d, at Orange City, 14th, and at Plant City, 10th and 19th; minimum, 28, at Mosely Hall, 6th, and at Tallahassee, 16th; greatest monthly range, 53, at Archer and Orange City; least monthly range, 27, at Key West.

Precipitation.—The average was 0.50 below the normal; greatest monthly, 11.19, at Tallahassee; least monthly, 0.02, at Key West.

Wind.—Prevailing direction, southwest.—*E. R. Demain, Observer, Weather Bureau, Jacksonville, director.*

IDAHO.

Temperature.—Maximum, 58, at Lewiston, 28th; minimum, -31, at Paris, 23d; greatest monthly range, 85, at Paris; least monthly range, 28, at Atlanta.

Precipitation.—Greatest monthly, 5.78, at Boise Barracks; least monthly, 0.39, at Chesterfield.

Wind.—Prevailing direction, west.—*J. H. Smith, Observer, Weather Bureau, Idaho Falls, director.*

ILLINOIS.

Temperature.—The mean was 3.1 below the normal; maximum, 65, at Palestine, 9th; minimum, -14, at Oswego, 21st; greatest monthly range, 63, at Philo; least monthly range, 43, at Saint Johns.

Precipitation.—The average was 0.89 below the normal; greatest monthly, 5.01, at Palestine; least monthly, 0.30, at Effingham.

Wind.—Prevailing direction, northwest.—*John Craig, Observer, Weather Bureau, Springfield, director.*

INDIANA.

Temperature.—The mean was 2.7 below the normal; maximum, 67, at Seymour, 9th; minimum, -10, at Valparaiso, 21st; greatest monthly range, 65, at Lafayette; least monthly range, 43, at Huntingburg.

Precipitation.—The average was 0.25 below the normal; greatest monthly, 6.50, at Marengo; least monthly, 1.46, at Logansport.

Wind.—Prevailing direction, northwest.—*Prof. H. A. Huston, Lafayette, director; C. F. R. Wappenhans, Local Forecast Official, Weather Bureau, assistant.*

IOWA WEATHER AND CROP SERVICE.

Temperature.—The mean was 3.0 below the normal; maximum, 60, at Glenwood, 7th; minimum, -19, at Atlantic, 21st; greatest monthly range, 72, at Atlantic; least monthly range, 44, at Mount Pleasant.

Precipitation.—The average was 0.50 below the normal; greatest monthly, 2.41, at Seymour; least monthly, trace, at Rock Rapids and Sibley.

Wind.—Prevailing direction, northwest.—*J. R. Sage, Des Moines, director; G. M. Chappel, Local Forecast Official, Weather Bureau, assistant.*

KANSAS.

Temperature.—The mean was 4.9 below the normal; maximum, 79, at Coldwater, 19th; minimum, -16, at Lakin, 12th; greatest monthly range, 78, at Manhattan; least monthly range, 57, at Rome.

Precipitation.—The average was 0.29 above the normal; greatest monthly, 2.82, at Lebo; least monthly, 0.10, at Eldorado.

Wind.—Prevailing direction, south.—*T. B. Jennings, Observer, Weather Bureau, Topeka, director.*

KENTUCKY.

Temperature.—The mean was 2.2 below the normal; maximum, 74, at Bowling Green, 9th; minimum, 2, at Elizabethtown, 5th; greatest monthly range, 64, at Eubanks and Harrodsburg; least monthly range, 46 at Catlettsburg.

Precipitation.—The average was 0.12 above the normal; greatest monthly, 7.99, at Russellville; least monthly, 2.98, at Pellville.

Wind.—Prevailing direction, northwest.—*Frank Burke, Local Forecast Official, Weather Bureau, Louisville, director.*

LOUISIANA.

Temperature.—The mean was 5.1 below the normal; maximum, 87, at Opelousas, 20th; minimum, 17, at Sugartown, 16th and 26th; greatest monthly range, 66, at Lake Charles; least monthly range, 40, at Port Eads.

Precipitation.—The average was 2.75 below the normal; greatest monthly, 13.83, at West End (New Orleans); least monthly, 2.92, at Minden and Delhi.

Wind.—Prevailing direction, north.—*R. E. Kerkam, Local Forecast Official, Weather Bureau, New Orleans, director.*

MAINE.

(See New England.)

MARYLAND.

Temperature.—The mean was 5.9 below the normal; maximum, 68, at Charlotte Hall, 18th, and at Millsboro, Del., 9th; minimum, -10, at Oakland, 17th; greatest monthly range, 62, at Oakland; least monthly range, 42, at Great Falls and New Market.

Precipitation.—The average was 0.03 below the normal; greatest monthly, 6.15, at Oakland; least monthly, 2.31, at Woodstock.

Wind.—Prevailing direction, northwest.—*Dr. William B. Clark, Johns Hopkins University, Baltimore, director; C. P. Cronk, Observer, Weather Bureau, in charge.*

MASSACHUSETTS.

(See New England.)

MICHIGAN.

Temperature.—The mean was 3.4 below the normal; maximum, 58, at Adrian, 9th; minimum, -31, at Grayling, 24th; greatest monthly range, 79, at Harbor Springs; least monthly range, 48, at Fairview.

Precipitation.—The average was 0.86 below the normal; greatest monthly, 5.11, Brown City; least monthly, 0.36, at Lewiston and Old Mission.

Wind.—Prevailing direction, southwest.—*E. A. Evans, Local Forecast Official, Weather Bureau, Detroit, director.*

MINNESOTA.

Temperature.—The mean was 2.6 above the normal; maximum, 50, at Dawson, 26th, and at Rochester and Winona, 27th; minimum, -42, at Pokegama Falls, 5th; greatest monthly range, 78, at Marfield; least monthly range, 51, at St. Oloff.

Precipitation.—The average was 0.68 below the normal; greatest monthly, 1.02, at Caledonia; least monthly, 0.00, at Ortonville, Redwood Falls, and St. Cloud.

Wind.—Prevailing direction, northwest.—*E. A. Beals, Observer, Weather Bureau, Minneapolis, director.*

MISSISSIPPI.

Temperature.—The mean was 4.0 below the normal; maximum, 83, at Leakesville, 10th; minimum, 7, at Batesville, 26th; greatest monthly range, 60, at Batesville, Clarksdale, Port Gibson, and Vaiden; least monthly range, 42, at Biloxi and Greenville.

Precipitation.—The average was 0.50 above the normal; greatest monthly, 9.95, at Biloxi; least monthly, 3.18, at Greenville.

Wind.—Prevailing direction, north.—*R. J. Hyatt, Local Forecast Official, Weather Bureau, Vicksburg, director.*

MISSOURI.

Temperature.—The mean was 1.9 below the normal; maximum, 72, at Grovedale, 27th; minimum, -12, at Arthur, 15th; greatest monthly range, 74, at Stellada; least monthly range, 39, at Gorin.

Precipitation.—The average was 0.08 below the normal; greatest monthly, 6.63, at New Madrid; least monthly, 0.65, at Conception.

Wind.—Prevailing direction, northwest.—*A. E. Hackett, Observer, Weather Bureau, Columbia, director.*

NEBRASKA.

Temperature.—The mean was 3.8 below the normal; maximum, 65, at Bratton, 7th, and at Seward, 8th; minimum, -21, at Haigler, 12th; greatest monthly range, 81, at Haigler and Lexington; least monthly range, 52, at Mullen and Nebraska City.

Precipitation.—The average was 0.18 below the normal; greatest monthly, 2.23, at Plattsmouth; least monthly, trace, at Norfolk.

Wind.—Prevailing direction, northwest.—*George E. Hunt, Local Forecast Official, Weather Bureau, Omaha, director.*

NEVADA.

Temperature.—The mean was 6.0 below the normal; maximum, 71, at Downeyville, 27th; minimum, -41, at Stofiel, 4th; greatest monthly range, 91, at Sunnyside; least monthly range, 45, at Virginia City.

Precipitation.—The average was 0.59 above the normal; greatest monthly, 7.00, at Edgewood; least monthly, 0.12, at Belleville.

Wind.—Prevailing direction, southwest.—*Prof. Charles W. Friend, Carson City, director; F. A. Carpenter, Observer, Weather Bureau, assistant.*

NEW ENGLAND.

Temperature.—The mean was 2.5 below the normal; maximum, 59, at Stratford, 19th; minimum, -42, at West Milan, 25th; greatest monthly range, 91, at West Milan; least monthly range, 45, at Nantucket and Provincetown.

Precipitation.—The average was 0.27 below the normal; greatest monthly, 5.45, Wallingford; least monthly, 0.50, at Fort Kent.

Wind.—Prevailing direction, northwest.—*J. Warren Smith, Weather Bureau, Boston, director.*

NEW HAMPSHIRE.

(See New England.)

NEW JERSEY.

Temperature.—The mean was 1.8 below the normal; maximum, 62, at Cape May C. H., Millville, and Woodbine, 18th; minimum, -11, at Decker-

town, 25th; greatest monthly range, 64, at Somerville; least monthly range, 46, at Oceanic.

Precipitation.—The average was 0.96 above the normal; greatest monthly, 6.17, at Newton; least monthly, 3.25, at Blairstown.

Wind.—Prevailing direction, northwest.—*E. W. McGann, Observer, Weather Bureau, New Brunswick, director.*

NEW MEXICO.

Temperature.—Maximum, 72, at Socorro, 21st; minimum, -18, at Chama, 14th; greatest monthly range, 70, at Las Vegas; least monthly range, 40, at Coolidge.

Precipitation.—Greatest monthly, 1.85, at Fort Wingate; least monthly, 0.05, at Las Cruces.—*H. B. Hersey, Observer, Weather Bureau, Santa Fe, director.*

NEW YORK.

Temperature.—The mean was 2.8 below the normal; maximum, 57, at Wedgwood, 17th, and at Varysburg, 28th; minimum, -31, at Saranac Lake, 24th; greatest monthly range, 80, at Saranac Lake; least monthly range, 46, at Arkwright.

Precipitation.—The average was 0.04 above the normal; greatest monthly, 6.66, at Leroy; least monthly, 0.92, at North Hammond.

Wind.—Prevailing direction, northwest.—*Prof. E. A. Fuertes, Dean of the College of Civil Engineering, Cornell University, Ithaca, director; R. M. Hardinge, Observer, Weather Bureau, assistant.*

NORTH CAROLINA.

Temperature.—The mean was 0.5 below the normal; maximum, 76, at Wilmington, 10th; minimum, -2, at Bakersville, 27th; greatest monthly range, 71, at Bakersville; least monthly range, 36, at Hatteras.

Precipitation.—The average was 0.57 above the normal; greatest monthly, 9.64, at Highlands; least monthly, 2.60, at Rockingham.

Wind.—Prevailing direction, southwest.—*Prof. Herbert B. Battle, Raleigh, director; C. F. von Herrmann, Observer, Weather Bureau, assistant.*

NORTH DAKOTA.

Temperature.—The mean was 2.4 above the normal; maximum, 55, at New Salem, 26th; minimum, -40, at Portal, 20th; greatest monthly range, 84, at Portal; least monthly range, 60, at Fargo, Grand Forks, and Wahpeton.

Precipitation.—The average was 0.38 below the normal; greatest monthly, 0.80, at Saint John; least monthly, trace, at several stations.

Wind.—Prevailing direction, northwest.—*B. H. Bronson, Observer, Weather Bureau, Bismarck, director.*

OHIO WEATHER AND CROP SERVICE.

Temperature.—The mean was 2.2 below the normal; maximum, 76, at Portsmouth, 9th; minimum, -15, at Milligan, 5th; greatest monthly range, 81, at Coalton; least monthly range, 53, at several stations.

Precipitation.—The average was 1.08 below the normal; greatest monthly, 4.70, at North Lewisburg; least monthly, 1.16, at Bucyrus.

Wind.—Prevailing direction, southwest.—*L. N. Bonham, Columbus, director; C. M. Strong, Observer, Weather Bureau, assistant.*

OKLAHOMA.

Temperature.—Maximum, 75, at Kemp, 18th; minimum, -15, at Fort Supply, 25th; greatest monthly range, 77, at Enid; least monthly range, 56, at Alva and Guthrie.

Precipitation.—Greatest monthly, 10.80, at Buffalo; least monthly, 0.46, at Anadarko.

Wind.—Prevailing direction, north.—*J. I. Widmeyer, Observer, Weather Bureau, Oklahoma City, director.*

PENNSYLVANIA.

Temperature.—The mean was 2.4 below the normal; maximum, 64, at at Pittsburg, 9th; minimum, -24, at Dyberry, 25th; greatest monthly range, 73, at Dyberry; least monthly range, 48, at Altoona and Harrisburg.

Precipitation.—The average was 0.02 below the normal; greatest monthly, 5.59, at Reading; least monthly, 1.62, at Greenville.

Wind.—Prevailing direction, northwest.—*Under direction of the Franklin Institute, Philadelphia: W. P. Tatham, director; T. F. Townsend, Local Forecast Official, Weather Bureau, assistant.*

RHODE ISLAND.

(See New England.)

SOUTH CAROLINA.

Temperature.—The mean was 1.1 below the normal; maximum, 76, at Charleston, 10th, and at Trial, 19th; minimum, 16, at Hollands Store, 6th; greatest monthly range, 56, at Hollands Store; least monthly range, 37, at Timmonsville.

Precipitation.—The average was 0.27 above the normal; greatest monthly, 6.61, at Trenton; least monthly, 2.88, at Cheraw.

Wind.—Prevailing direction, southwest.—*J. W. Bauer, Observer, Weather Bureau, Columbia, director.*

SOUTH DAKOTA.

Temperature.—The mean was 1.2 below the normal; maximum, 65, at Tyndall, 28th; minimum, -26, at Hotch City, 12th; greatest monthly range, 80, at Tyndall; least monthly range, 58, at Bowdle and Sioux Falls.

Precipitation.—The average was 0.37 below the normal; greatest monthly, 2.25, at Oelrichs; least monthly, trace, at a number of stations.

Wind.—Prevailing direction, northwest.—*S. W. Glenn, Local Forecast Official, Weather Bureau, Huron, director.*

TENNESSEE WEATHER AND CROP SERVICE.

Temperature.—The mean was 3.7 below the normal; maximum, 73, at Chattanooga, 9th; minimum, 4, at Trenton, 26th; greatest monthly range, 61, at Trenton; least monthly range, 43, at Springdale.

Precipitation.—The average was 3.80 above the normal; greatest monthly, 12.14, at Covington; least monthly, 3.70, at Strawberry Plains.

Wind.—Prevailing direction, north.—*J. B. Marbury, Local Forecast Official, Weather Bureau, Nashville, director.*

TEXAS.

Temperature.—The mean was 2.2 below the normal; maximum, 94, at Fort Ringgold, 12th; minimum, -9, at Coldwater, 12th; greatest monthly range, 77, at Fort Hancock; least monthly range, 43, at McGregor.

Precipitation.—The average was 0.76 below the normal; greatest monthly, 6.61, at Orange; least monthly, 0.00, at Forts Clark and Hancock.

Wind.—Prevailing direction, north.—*D. D. Bryan, Galveston, director; I. M. Cline, Local Forecast Official, Weather Bureau, assistant.*

UTAH.

Temperature.—Maximum, 68, at Saint George, 27th; minimum, -34, at Randolph, 23d; greatest monthly range, 75, at Thistle; least monthly range, 37, at Salt Lake City.

Precipitation.—Greatest monthly, 4.70, at Silver Lake; least monthly, 0.19, at Fort Du Chesne.

Wind.—Prevailing direction, northwest.—*G. N. Salisbury, Observer, Weather Bureau, Salt Lake City, director.*

VERMONT.

(See New England.)

VIRGINIA.

Temperature.—Maximum, 74, at Norfolk, 10th, and at Richmond, 9th; minimum, 7, at Hot Springs and Warsaw, 25th; greatest monthly range, 62, at Warsaw; least monthly range, 47, at Cape Charles.

Precipitation.—Greatest monthly, 7.50, at Birdsnest; least monthly, 2.25, at Christiansburg.

Wind.—Prevailing direction, north.—*Dr. E. A. Craighill, Lynchburg, director; J. N. Ryker, Observer, Weather Bureau, assistant.*

WASHINGTON.

Temperature.—The mean was 3.9 below the normal; maximum, 61, at Fort Simcoe, 28th; minimum, -17, at Pullman, 22d; greatest monthly range, 65, at Ellensburg; least monthly range, 23, at Tatoosh Island and Fort Canby.

Precipitation.—The average was 0.57 below the normal; greatest monthly, 16.52, at Neah Bay; least monthly, 0.32, at Davenport.

Wind.—Prevailing direction, south.—*H. F. Alciatore, Observer, Weather Bureau, Seattle, director.*

WEST VIRGINIA.

Temperature.—Maximum, 74, at Point Pleasant, 9th; minimum, -5, at Pleasant Hill, 24th; greatest monthly range, 65, at Pleasant Hill; least monthly range, 48, at Elkhorn.

Precipitation.—Greatest monthly, 7.48, at Beverly; least monthly, 2.05, at Cloverdale.

Wind.—Prevailing direction, west.—*H. W. Richardson, Observer, Weather Bureau, Parkersburg, director.*

WISCONSIN.

Temperature.—The mean was 1.5 below the normal; maximum, 60, at Whitehall, 28th; minimum, -35, at Butternut, 24th; greatest monthly range, 83, at Butternut; least monthly range, 48, at Madison.

Precipitation.—The average was 0.50 below the normal; greatest monthly, 1.95, at Sharon; least monthly, 0.15, at Osceola.

Wind.—Prevailing directions, southwest and northwest.—*W. L. Moore, Local Forecast Official, Weather Bureau, Milwaukee, director.*

WYOMING.

Temperature.—Maximum, 64, at Wheatland, 27th; minimum, -32, at Sheridan, 21st; greatest monthly range, 78, at Sheridan; least monthly range, 65, at Fort Yellowstone.

Precipitation.—The average was 0.09 above the normal; greatest monthly, 2.30, at Labarge; least monthly, 0.10, at Laramie.

Wind.—Prevailing direction, west.—*E. M. Ravenscraft, Observer, Weather Bureau, Cheyenne, director.*

INLAND NAVIGATION.

STAGE OF WATER IN RIVERS.

The following table shows the danger point at each river station; the highest and lowest stages for the month of February, 1894, with the dates of occurrence, and the monthly range:

Heights of rivers above low-water mark, February, 1894.

Stations.	Danger-point on gauge.	Highest water.		Lowest water.		Monthly range.
		Height.	Date.	Height.	Date.	
<i>Red River.</i>	<i>Feet.</i>	<i>Feet.</i>		<i>Feet.</i>	<i>Feet.</i>	
Shreveport, La.	29.2	18.9	28	5.4	6	13.5
<i>Arkansas River.</i>						
Fort Smith, Ark.	22.0	13.8	13	3.2	1, 2	10.6
Little Rock, Ark.	23.0	21.0	13	6.5	2, 3	14.5
<i>Missouri River.</i>						
Pierre, S. Dak.*	13.0					
Sioux City, Iowa*	18.7					
Kansas City, Mo.†	21.0	8.8	25	6.6	17	2.2
<i>Mississippi River.</i>						
St. Paul, Minn.*	14.0					
La Crosse, Wis.*	10.0					
Dubuque, Iowa*	16.0					
Davenport, Iowa*	15.0					
Keokuk, Iowa*	14.0					
Hannibal, Mo.	17.0	3.4	6, 7	0.8	13	2.6
St. Louis, Mo.	30.0	6.4	11	0.2	3	6.2
Cairo, Ill.	40.0	37.0	16	13.4	4	23.6
Memphis, Tenn.	33.0	29.4	20	9.6	4	19.8
Vicksburg, Miss.	41.0	40.3	27	16.3	7, 8	24.0
New Orleans, La.	13.0	13.2	27, 28	5.7	1	7.5
<i>Ohio River.</i>						
Parkersburg, W. Va.	38.0	24.0	13	8.6	4	15.4
Cincinnati, Ohio	45.0	35.6	15	17.2	4	18.4
Louisville, Ky.	24.0	12.9	14	7.7	1	5.2
<i>Cumberland River.</i>						
Nashville, Tenn.	40.0	41.9	10	9.3	1	32.6
<i>Tennessee River.</i>						
Chattanooga, Tenn.	33.0	25.5	6	4.9	3	20.6
Knoxville, Tenn.	29.0	15.4	5	2.3	2	13.1
<i>Monongahela River.</i>						
Pittsburg, Pa.	22.0	14.8	11	3.8	27	11.0
<i>Savannah River.</i>						
Augusta, Ga.	32.6	20.9	16	7.8	4, 10	13.1
<i>Willamette River.</i>						
Portland, Oregon	15.0	8.4	11	4.2	27	4.2

Heights of rivers—Continued.

Stations.	Danger-point on gauge.	Highest water.		Lowest water.		Monthly range.
		Height.	Date.	Height.	Date.	
<i>Susquehanna River.</i>	<i>Feet.</i>	<i>Feet.</i>		<i>Feet.</i>		<i>Feet.</i>
Harrisburg, Pa.	17.0	6.0	12	2.0	6-8	4.0
<i>Alabama River.</i>						
Montgomery, Ala.	48.0	27.1	16	3.5	3	23.6
<i>James River.</i>						
Lynchburg, Va.	18.0	5.3	5	1.5	1, 2	3.8
<i>Sacramento River.</i>						
Red Bluff, Cal.	22.0	13.0	20	4.0	14, 17	9.0
Sacramento, Cal.	25.0	22.5	21, 22	18.5	16	4.0
<i>Des Moines River.</i>						
Des Moines, Iowa*	19.0					

* Frozen.

† For 15 days.

FLOODS.

The above table shows that in the rivers here recorded the nearest approaches to the danger line have been at Little Rock, Ark., on the 13th; Cairo, Ill., on the 16th; Sacramento, Cal., on the 21st and 22d; New Orleans, La., on the 27th and 28th.

The only notable flood was in the Cumberland River which reached the danger line on the morning of the 9th, attained its maximum on the 10th, and was below the danger line on the morning of the 11th.

NAVIGATION OF RIVERS AND HARBORS.

The weekly "bulletin of snow lying on the ground" gives reports of ice in rivers and harbors, and shows that on Monday, February 5, the ice in the Mississippi River varied from 10 inches at Hannibal, Mo., to 20 or 22 inches at La Crosse, Wis., and St. Paul, Minn.; in the Missouri River it varied from 3 inches at Kansas City, Mo., to 30 inches at Bismarck, N.