CONDENSED CLIMATOLOGICAL SUMMARY.

In the following table are given for the various sections of the climatological service of the Weather Bureau the monthly average temperature and total rainfall; the stations reporting the highest and lowest temperatures with dates of occurrence; the stations reporting the greatest and least total precipitation; and other data, as indicated by the several headings.

The mean temperature for each section, the highest and lowest temperatures, the average precipitation, and the greatest and least monthly amounts are found by using all trustworthy records available.

The mean departures from normal temperatures and precipitation are based only on records from stations that have 10 or more years of observations. Of course the number of such records is smaller than the total number of stations.

Summary of temperature and precipitation by sections, November, 1914.

Section.	Temperature—in degrees Fahrenheit.								Precipitation—in inches and hundredths.					
	Section average.	Departure from the normal.	Monthly extremes.						Section average.	Departure from the normal.	Greatest monthly.		Least monthly.	
			Station.	Highest.	Date.	Station.	Lowest.	Date.			Station.	Amount.	Station.	Amount.
Alabama	53.0	−1.1	3 stations	86	4†	Florence	9	20	4.13	+1.00	Mobile	10.23	Bridgeport	1.61
Arizona	55.3	+3.2	Sacaton	95	5	Chin Lee	5	23	0.87	+0.01	Casa Grande	2.35	2 stations	0.00
Arkansas	52.6	+1.7	2 stations	88	5†	4 stations	11	20	2.32	−1.56	Arkansas City	5.62	Eureka Springs	0.44
California	54.2	+1.3	Santa Barbara	98	8	Tamarack	−2	30	0.80	−2.01	Weitchpec	7.64	28 stations	0.00
Colorado	38.9	+3.7	Hoehne	89	6	Dillon	−7	16	0.10	−0.76	Silver Lake	0.56	26 stations	0.00
Florida	64.0	−0.7	Brooksville (1)	90	6	Fenholloway	19	21	2.99	+0.80	Pensacola	13.53	Kissimmee	0.60
Georgia	53.6	−1.2	Poulan	90	5	3 stations	12	20	4.99	+2.41	Glennville	9.73	Quitman	1.77
Hawaii (October)	73.4	.....	Waranae, Oahu	93	2	Volcano House, Hawaii.	47	28†	4.60	.....	Kenae Valley, Maui.	24.18	2 stations	0.00
Idaho	37.5	+1.4	Rupert	82	4†	Pierson	−15	30	0.83	−1.00	Prichard	5.61	4 stations	0.00
Illinois	44.9	+3.4	St. Peter	85	7	Dakota	1	20	0.68	−1.90	Chester	1.90	2 stations	T.
Indiana	43.7	+1.3	Rome	81	7	2 stations	3	20†	1.07	−2.06	Salamonia	2.86	Collegeville	T.
Iowa	41.0	+6.0	3 stations	80	2†	7 stations	−4	19	0.22	−1.29	Waverly	0.95	Lake Park	0.00
Kansas	48.3	+5.2	Manhattan	88	3	2 stations	4	19	0.13	−1.07	Chanute	1.86	17 stations	0.00
Kentucky	46.9	+0.9	Earlington	83	2	4 stations	5	20	1.23	−2.36	Weeksbury	2.52	Irvington	0.68
Louisiana	58.2	−0.6	Robeline	92	6	Antioch	17	20	5.25	+1.70	Lakeside	10.70	Lafayette	2.23
Maryland and Delaware.	44.5	−0.3	Cambridge, Md	82	4	Deer Park, Md	0	24	2.03	−0.45	Emmitsburg, Md	3.43	Chewsville, Md	1.04
Michigan	36.5	+1.0	Five Channels	76	1	2 stations	−12	19†	1.84	−0.74	Whitefish Point	5.07	Sandusky	0.27
Minnesota	33.0	+4.0	Fairmont	76	2	Roseau	−16	17	0.38	−0.74	Winton	1.90	5 stations	0.00
Mississippi	54.6	−0.4	2 stations	8	4†	Corinth	11	20	3.92	0.00	Woodville	6.20	Holly Bluff	1.93
Missouri	48.6	+4.0	Crocker	89	7	4 stations	2	19†	0.65	−1.84	Oakfield	2.07	4 stations	T.
Montana	37.7	+5.8	Bridger	84	2	Bowen	−19	16	0.63	−0.40	Belton	5.72	4 stations	0.00
Nebraska	42.6	+6.3	North Loup	87	6	3 stations	−7	19	0.01	−0.67	Wahoo	0.15	43 stations	0.00
Nevada	41.6	+1.5	2 stations	88	2†	Tecoma	−11	22	0.03	−0.67	Gold Creek	0.29	20 stations	0.00
New England	36.7	−0.5	Durham, N. H.	76	1	2 stations (Vt.)	−10	24	2.62	−1.32	Rockport, Mass	4.10	Burlington, Vt	1.41
New Jersey	43.3	+0.4	3 stations	80	4	Sussex	6	24	2.60	−0.80	Charlotteburg	4.81	Atlantic City	1.21
New Mexico	44.9	+2.3	Fort Sumner	85	4	Elizabethtown	0	18†	0.31	−0.46	Plainview (near)	2.34	73 stations	0.00
New York	36.1	−0.4	Spier Falls	77	1	Indian Lake	−16	24	2.40	−0.62	Old Forge	6.03	Romulus	0.22
North Carolina	48.5	−1.0	Lumberton	83	3	Ramseur	0	21	3.68	+0.68	Highlands	10.98	Hatteras	1.63
North Dakota	30.7	+4.9	Cando	83	2	Westhope	−30	16	0.35	−0.25	Willow City	0.83	Orange	0.00
Ohio	42.1	+1.1	Upper Sandusky	80	7	Bellefontaine	5	20	1.53	−1.11	Kingsville	3.44	Chillicothe	0.40
Oklahoma	53.2	+3.3	Mutual	95	1	4 stations	14	19†	0.69	−1.37	Ravia	4.30	9 stations	0.00
Oregon	42.5	0.0	Powell Butte	76	11	Cliff	−1	21	2.40	−2.18	Astoria	11.26	3 stations	0.00
Pennsylvania	40.6	0.0	Irwin	81	4	Wellsboro	−2	24	1.76	−1.00	Edinboro	4.27	Cheat Haven	0.57
Porto Rico	76.9	+0.1	Corozal	100	11	Maricao	50	3†	8.22	+0.52	Inabon Falls	23.00	Guanica Centrale	1.93
South Carolina	52.4	−1.4	2 stations	86	5	2 stations	17	21	3.33	+0.99	Meriwether	5.89	Darlington	1.63
South Dakota	38.6	+6.1	3 stations	77	1†	Eureka	−16	19	0.04	−0.59	Timber Lake	0.70	18 stations	0.00
Tennessee	48.1	0.0	Johnsonville	88	7	Mountain City	−5	20	1.78	−1.95	Franklin (near)	4.05	New River	0.69
Texas	57.7	+0.8	San Juanito	96	8	2 stations	18	17†	3.78	+1.51	Liberty	10.91	9 stations	0.00
Utah	38.9	+1.1	Low	85	12†	3 stations	−5	20†	0.12	−0.82	Lower Mill Creek	0.59	26 stations	0.00
Virginia	45.7	−0.2	Fredericksburg	82	4	Burkes Garden	7	24	2.53	+0.11	Waynesboro	4.75	Hot Springs	0.58
Washington	41.8	+1.4	Anatone	72	1	Snyders Ranch	2	15	5.08	−0.67	Quiniault	24.29	Eltopia	0.03
West Virginia	42.6	−0.2	2 stations	84	2†	Bayard	2	22	1.32	−1.28	Martinsburg	2.27	St. Marys	0.50
Wisconsin	34.8	+2.5	Prairie du Chien	75	2	Weyerhaeuser (2)	−10	20	1.02	−0.76	Cecil	2.78	Prairie du Chien	T.
Wyoming	36.1	+3.7	Wheatland	86	5	2 stations	−13	15†	0.13	−0.49	Upper Geyser Basin.	1.05	9 stations	0.00

† Other dates also.

DESCRIPTION OF TABLES AND CHARTS.

Table I gives the data ordinarily needed for climatological studies for about 158 Weather Bureau stations making simultaneous observations at 8 a. m. and 8 p. m., seventy-fifth meridian time daily, and for about 41 others making only one observation. The altitudes of the instruments above ground are also given.

Table II gives a record of precipitation, the intensity of which at some period of the storm's continuance equaled or exceeded the following rates:

Duration (minutes)	5	10	15	20	25	30	35	40	45	50	60
Rates per hour (inches)	3.00	1.80	1.40	1.20	1.08	1.00	0.94	0.90	0.87	0.84	0.80

It is impracticable to make this table sufficiently wide to accommodate on one line the record of accumulated falls that continue at an excessive rate for several hours. In this case *the record is broken at the end of each 50 minutes*, the accumulated amounts being recorded on successive lines until the excessive rate ends.

In cases where no storm of sufficient intensity to entitle it to a place in the full table has occurred, the greatest precipitation of any single storm has been given, also the greatest hourly fall during that storm.

Table III gives, for about 30 stations of the Canadian Meteorological Service, the means of pressure and temperature, total precipitation and depth of snowfall, and the respective departures from normal values, except in the case of snowfall.

Chart I.—Hydrographs for several of the principal rivers of the United States.

Chart II.—Tracks of centers of high areas; and

Chart III.—Tracks of centers of low areas. The roman numerals show the chronological order of the centers. The figures within the circles show the days of the month;