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CLIMATOLOGICAL DATA

GEORGIA SECTION

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VOL. XXXIV ATLANTA, GA., YEAR 1930 No. 13

GENERAL SUMMARY

The winter months of 1930 were decidedly warm, especially February; there were six warm months and six cold months during the year, with the annual mean only very slightly above the normal. March and December were decidedly cold. The extremes for the year, 109° and 8°, did not break any records for the State.

The precipitation was somewhat small, and gave a deficiency of nearly 3.50 inches, but except perhaps at some northwestern stations conditions indicating severe drought practically did not obtain. Drought, in fact, was very much more severe in Georgia in many other years, notably in 1904 and 1925.

October was dry and cold and favorable for the maturing and harvesting of crops. November was rather too wet for harvesting and for planting cereals. December was remarkable not for unusually low temperatures but for the frequency of cloudy weather and the considerable sleet and snow on the ground during the last half of the month over the northern half of the State, which causes combined to keep maximum temperatures very low, so that at some stations the month was one of the coldest on record.

ATMOSPHERIC PRESSURE.—The mean pressure for the year was 30.08 inches; the highest recorded was 30.69 inches at Augusta and Macon on January 5, and the lowest was 29.28 inches at Atlanta on March 7.

TEMPERATURE.—The annual mean temperature was 63.9°, or 0.1° above the normal. The highest annual mean was 68.0° at Brunswick, and the lowest was 54.9° at Clayton. The highest monthly mean was 85.2° at Millen in July, and the lowest was 34.9° at Clayton in December. The highest temperature recorded was 109° at Milledgeville and Monticello on July 12, and the lowest was 8° at Blue Ridge on January 19.

PRECIPITATION.—The annual average precipitation was 46.13 inches, or 3.46 inches below the normal. The greatest annual total was 57.88 inches at Millen, and the least was 30.53 inches at Double Branches. The greatest local monthly rainfall was 13.00 inches at Tallapoosa in September, and the least was 0.08 inch at Hazlehurst in October. The greatest amount of precipitation in 24 hours was 6.00 inches at Thomasville on March 7. The greatest depth of snowfall, unmelted, was 28.3 inches at Clayton. The average number of days with 0.01 inch or more of precipitation was 99.

WINDS.—The prevailing winds were from the northeast.

The maximum velocity was 43 miles per hour from the northwest at Atlanta on April 7.

SUNSHINE AND CLOUDINESS.—The average percentage of sunshine was 66, with a maximum of 86 per cent at Macon in April and May and a minimum of 40 per cent at Savannah in November. The average number of clear days was 175, partly cloudy days 93, and cloudy days 97.

SUMMARY BY MONTHS

JANUARY.—Although a long period of cold weather prevailed throughout Georgia from the 16th to 26th, with temperatures as low as 8° in the northern division, 15° in the central, and 19° in the southern, yet, owing to an almost equally long warm spell from the 6th to 15th, the month as a whole was above normal in temperature. The precipitation was somewhat above normal in the southern division. Traces of snow occurred as far south as Thomasville and Waycross, and large amounts in the north, Clayton reporting 14 inches.

FEBRUARY.—The month was unusually fine and agreeable. The percentage of sunshine was very high, the number of clear days exceptionally large, and the rainfall the smallest since 1898. The mean temperature for the State was much above normal, and the warmth caused early development of peach buds. Plowing and other agricultural operations made excellent progress during the month.

MARCH.—A cold month, with the mean temperature lower than for the preceding February. The maximum, 82° at Waycross, was the lowest maximum registered in Georgia during the past 40 years. The rainfall was decidedly excessive in the southern division, and the number of rainy days very large. Farm operations were carried on with difficulty; nevertheless some planting of staple crops was done.

APRIL.—Temperatures were moderately above normal, the highest exceeding 90° in all sections. The rainfall was large in the south, but decidedly deficient in the northern division. Progress in planting staple crops was very rapid; the transplanting of tobacco was nearly completed by the end of the month.

MAY.—Uneventful, moderately warm the first half and decidedly cold during the last half. The deficiency in precipitation was considerable, with tendency toward drought in several portions of the State. The cold weather was detrimental to the germination of seeds.

JUNE.—Unusually cool weather prevailed over most of Georgia during the first half of June, and the consequent deficiencies in temperature could not be overcome by the intense heat wave that persisted during the remainder of the month. The precipitation was moderate, and drought began to be somewhat severe in northwestern counties. A series of very severe hailstorms occurred June 21 in the south.

JULY.—The hottest July on record since 1892. Temperatures as high as 108° occurred in all divisions. There was a deficiency in precipitation in the northern division, but a slight

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Climatological Data for the Year 1930

Stations	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)						Sky				Prevailing direction of wind	
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Number rainy days	Number clear days	Number partly cloudy days		Number cloudy days
<i>Northern division</i>																				
Athens	Clarke	830	49	63.3	108	July 12	17	Dec. 18	54	40.49	6.49	Sept.	0.81	Feb.	5.8	106	155	96	114	w. nw.
Atlanta	Fulton	1,173	65	61.5	103	July 12	15	Jan. 19	65	36.66	6.50	May	0.96	Aug.	3.0	114	124	108	133	u.
Blue Ridge	Fannin	1,737	11				8	Jan. 19	11											s.
Canton	Cherokee	894							40	39.61	6.06	Sept.	1.10	Feb.	10.0	94				w.
Cartoon	Madison	557	4	60.6	105	July 7 ¹	16	Jan. 24	32	36.59	6.23	July	0.58	Aug.	5.0	82				w.
Clayton	Rabun	2,100	36	51.9	102	July 12	10	Nov. 27 ¹	26	52.64	7.95	May	1.60	Oct.	28.3	75	246	34	85	w.
Cornelia	Habersham	1,500	12	59.0	103	July 12	16	Dec. 18	12	44.54	5.73	Nov.	1.13	Aug.	17.0	113	180	63	122	w.
Danlonega	Lumpkin	1,519	39	58.9	101	July 10	16	Nov. 27	41	45.84	6.21	Sept.	1.58	July	19.7	123	161	161	43	nw.
Double Branches	Lincoln								5	39.53	4.66	Sept.	0.31	Aug.	2.2	70				w.
Gainesville	Ifall	1,254	52	60.2	106	July 12	15	Dec. 18	54	41.10	5.29	Jan.	0.87	Aug.	17.1	99				w.
Gillsville	do	1,052							40	37.98	5.36	Nov.	1.12	Feb.	12.2	82				w.
Hartwell	Hart.	838	21	62.0	107	July 12	16	Dec. 18	21	37.06	5.73	Nov.	0.83	Feb.	16.0	82	133	173	59	w.
Norcross	Gwinnett	1,025							21	34.46	5.53	Nov.	0.89	Feb.	5.1	110				w.
Resaca	Gordon	657							37	41.81	6.18	Nov.	1.56	Apr.	13.4	107				u.
Rome	Floyd	576	72	61.6	107	July 10	14	Jan. 19	75	49.02	8.24	Sept.	1.04	Aug.	11.5	101				nw.
Tallapoosa	Haralson	1,150	32	60.1	106	July 12	11	Jan. 31	32	48.83	13.00	Sept.	0.90	June	13.5	76				w.
Tooeva	Stephens	1,050	45	61.0	106	July 12	14	Nov. 28	46	43.84	5.86	Nov.	1.82	Feb.	7.8	105	171	102	92	no.
Washington	Wilkes	630	40	63.6	108	July 12	20	Jan. 24	43	37.52	5.71	Sept.	0.70	Feb.	1.3	97	210	69	86	w.
Division means and ext. rems.				60.5	108	July 12	8	Jan. 19		41.02	13.00	Sept.	0.31	Aug.	11.5	97	177	91	97	w.
<i>Middle division</i>																				
Augusta	Richmond	182	85	65.0	104	July 12	25	Dec. 18	64	39.10	5.85	Sept.	0.96	Feb.	0.3	108	128	137	100	nw.
Brooklet	Bulloch	253	31	66.0	102	July 7 ¹	24	Jan. 24 ¹	31	48.87	8.30	June	0.20	Oct.	T.	92	215	116	34	u.
Butler	Taylor	650							30	49.78	7.41	July	0.66	Aug.	T.	77				u.
Columbus	Muscogee	262	43	65.8	105	July 10	20	Jan. 19	43	48.04	7.04	Mar.	1.63	May	T.	97				u.
Concord	Pike	850							19	45.59	7.92	Sept.	0.58	Aug.	2.0	95	235	44	86	w.
Covington	Newton	800	3	61.4	107	July 12	18	Jan. 19	39	39.55	5.56	Nov.	0.97	Feb.	3.0	82				w.
Dover	Scriven								1											w.
Dublin	Laurens	452	19	64.6	106	July 12	23	Jan. 19 ¹	37	49.29	6.98	June	0.59	May	T.	116	153	121	91	w.
Fair View	Lamar		15	63.0	104	June 24	20	Jan. 24	15	46.06	7.32	Mar.	1.85	May	2.0	106				sw.
Fort Valley	Peach	526	10	64.4	105	July 12	21	Jan. 19 ¹	10	47.00	6.93	Nov.	0.61	May	T.	116	140	130	95	w.
Goat Rock	Muscogee								17	44.42	7.58	Sept.	1.46	Aug.	T.	102				w.
Greensboro	Greene	595	29	61.4	107	July 12	16	Jan. 24	29	42.72	6.44	Nov.	0.70	Feb.	1.0	85	220	58	37	w.
Griffin	Spalding	975	41	63.3	103	July 12	17	Jan. 19	41	48.50	9.82	July	0.53	Aug.	1.2	94	145	99	121	se.
Louisville	Jefferson	259	33	64.4	103	July 10	21	Dec. 18	33	47.74	8.50	Mar.	0.86	Feb.	T.	93				w.
Macon	Bibb	370	50	63.9	104	July 12	22	Jan. 24	53	44.12	10.00	July	1.05	May	T.	107	142	96	127	nw.
Marshallville	Macon	500	37	64.6	106	July 12	20	Jan. 24	38	50.44	8.56	Nov.	1.11	May	T.	93				e.
Midville	Burke								1											w.
Milledgeville	Baldwin	276	43	63.9	109	July 12	21	Jan. 24 ¹	42	42.52	6.61	Mar.	1.03	Feb.	T.	98	175	96	94	nw.
Millen	Jenkins	158	43	65.7	106	July 7 ¹	24	Jan. 24 ¹	44	57.88	9.50	July	1.05	Feb.	T.	88				sw.
Monticello	Jasper	800	36	63.4	109	July 12	19	Jan. 24	35	51.48	7.32	July	1.12	Feb.	0.8	103	183	99	83	sw.
Newnan	Coweta	959	42	62.3	104	July 12	16	Jan. 19	42	46.21	7.16	Sept.	1.33	Oct.	2.4	101	198	74	93	ne.
Sparta	Hancock								1											w.
Stillmore	Emanuel		6	64.8	104	July 12	21	Jan. 24	6	53.34	10.88	Sept.	1.15	Feb.	T.	114				w.
Talbotton	Talbot	750	37	63.8	107	July 11 ¹	18	Jan. 19	37	50.03	8.36	Nov.	2.46	Feb.	T.	78				sw.
Warrenton	Warren	500	16	63.9	106	July 10 ¹	18	Dec. 18	16	42.02	7.98	July	0.57	Feb.	0.7	97	201	169	55	sw.
West Point	Troup	620	41	62.5	105	July 10 ¹	15	Jan. 24	42	54.24	8.95	Sept.	1.78	Feb.	T.	112	156	72	137	n.
Woodbury	Meriwether	641							30	46.58	7.37	Mar.	0.98	Aug.	T.	99				w.
Division means and ext. rems.				63.9	109	July 12	15	Jan. 24		47.28	10.88	Sept.	0.20	Oct.	0.5	98	175	99	91	nw.
<i>Southern division</i>																				
Abbeville	Wilcox	180							23	40.39	7.15	July	0.15	Aug.	T.					nw.
Alapaha	Berrien	293	42	66.2	100	June 24 ¹	23	Jan. 24	12	40.47	5.74	Jan.	0.12	Oct.	T.	95	228	58	79	ne.
Albany	Dougherty	230	44	66.1	102	July 11	23	Jan. 19	45	50.64	8.91	Sept.	0.90	May	0.0	123	229	23	113	ne.
Americus	Sunster	362	46	64.3	108	July 11	19	Jan. 19	47	52.80	10.63	Nov.	1.06	Feb.	0.0	108	267	31	67	s.
Bainbridge	Decatur	119	39	66.2	103	June 23 ¹	23	Jan. 25	39	53.26	8.89	Mar.	0.36	May	0.0	124				ne.
Blakely	Early	300	35	65.8	107	July 11	19	Jan. 19	37	53.36	9.08	July	0.75	Oct.	0.0	124	145	133	87	ne.
Brunswick	Glynn	14	26	68.0	100	July 11	29	Dec. 24	29	57.02	11.51	Sept.	0.76	Oct.	T.	98	159	91	115	ne.
Eastman	Dodge	361	39	66.4	107	July 10 ¹	23	Jan. 19 ¹	39	49.04	7.59	July	0.60	May	T.	96	232	70	63	nw.
Fargo	Clinch	116	3	65.9	99	July 11	23	Dec. 24	3	48.39	10.00	Mar.	0.31	May	T.	90				ne.
Fitzgerald	Ben Hill	1							1											w.
Fort Gaines	Clay	166	43	65.9	106	June 24	20	Jan. 19	43	49.74	8.92	Sept.	0.62	Feb.	0.0	107				ne.
Glennville	Tattnall	175	26	65.9	101	July 11	25	Jan. 24	26	48.44	9.38	July	0.52	Oct.	T.	106	118	176	71	w.
Hawkinsville	Pulaski	235	35	64.5	105	July 11	21	Jan. 19	36	50.17	7.28	Nov.	0.67	May	T.	113	193	44	128	w.
Hazlehurst	Jeff Davis	261	12	66.2	107	July 11	23	Jan. 24	12	45.00	7.31	July	0.68	Oct.	T.	111	133	184	48	sw.
Lumber City	Telfair	150							21	45.55	7.59	Mar.	0.14	Oct.	T.					w.
Meltrim	Bryan								1											w.
Montezuma	Macon	292							26	52.08	9.16	Nov.	0.52	Feb.	0.0	95				sw.
Moultrie	Colquitt	397	4	67.3	103	July 11	26	Jan. 19 ¹	4	47.91	7.67	July	0.32	Oct.	T.	115				w.
Quitman	Brooks	173	45	67.2	101	July 8 ¹	25	Dec. 24	37	52.20	8.25	Mar.	1.09	Oct.	0.0	107				ne.
Savannah	Chatham	65	81	66.6	100	July 23	29	Mar. 3	81	42.15	9.43	Sept.	0.64	Oct.	T.	113	124	99	142	w.
Savannah, No. 2	do	22	3																	

Monthly and Annual Precipitation for the Year 1930, with Departures from the Normal

Table with 14 columns for months (January to December) and an Annual column, each with Precipitation and Departure sub-columns. Rows list various Georgia stations categorized into Northern, Middle, and Southern divisions.

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Monthly and Annual Mean Temperatures for the Year 1930, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
<i>Northern division</i>																										
Athens	46.3	+3.6	52.4	+7.5	51.0	-1.7	65.0	+3.9	72.6	+2.8	77.0	-0.1	83.8	+4.6	80.4	+2.3	77.8	+3.7	61.8	-0.3	51.0	-0.7	41.0	-3.2	63.3	+1.8
Atlanta	42.8	-0.2	51.8	+6.5	49.3	-3.4	63.4	+2.6	70.4	+1.4	75.2	-0.7	81.4	+3.0	78.8	+1.6	75.6	+3.1	60.0	-2.1	49.6	-2.2	39.6	-5.1	61.5	+0.3
Blue Ridge	42.2																									
Carlton	44.6	+1.0	48.6	+4.0	48.6	-4.4	66.0	+2.5	68.7	-1.6	73.4	-3.6	80.8	+1.7	77.0	-1.1	76.6	+3.7	59.0	-2.2	48.4	-3.6	40.5	-3.8	60.6	-0.8
Clayton	41.2	+0.7	44.6	+3.5	45.0	-4.9	56.8	0.0	62.8	-2.4	67.8	-4.2	76.0	+1.6	69.2	-4.6	67.0	-1.7	52.2	-6.6	41.6	-6.7	34.9	-6.2	54.9	-2.7
Cornelia	42.5		47.6		46.8		61.0		67.8		72.0		79.6		75.6		73.2		56.8		47.2		38.5		59.0	
Dahlonega	43.3	+2.3	47.8	+5.5	47.3	-3.7	60.6	+2.1	67.6	+1.3	72.1	-1.3	79.8	+4.2	75.0	0.0	72.2	+1.8	55.6	-4.5	47.2	-2.4	38.2	-3.8	58.9	+0.1
Gainesville	42.4	+1.1	49.2	+6.4	47.3	-4.3	61.3	+2.0	69.4	+1.6	73.6	-1.3	81.2	+3.6	77.2	+1.0	74.3	+3.0	58.0	-2.6	48.4	-2.1	39.6	-2.8	60.2	+0.5
Hartwell	45.7	+2.2	51.3	+6.6	49.4	-4.0	62.6	+1.8	71.2	+1.6	75.0	-2.0	82.6	+3.5	78.4	+0.2	76.7	+3.1	60.8	-1.6	50.2	-1.5	40.3	-4.1	62.0	+0.5
Rome	43.5	+1.7	50.4	+6.1	49.0	-3.7	62.2	+1.2	71.0	+1.4	74.8	-2.0	82.6	+3.2	79.0	+0.5	76.1	+2.7	59.9	-2.3	50.6	+0.1	40.4	-2.7	61.6	+0.5
Tallapoosa	42.6	+0.1	49.2	+5.9	49.0	-4.2	60.8	+0.9	69.0	+0.4	72.2	-3.9	80.8	+2.7	76.8	-0.8	74.4	+1.3	57.4	-4.6	49.3	-1.8	39.3	-4.0	60.1	-0.6
Toocoa	45.4	+3.2	50.4	+7.1	49.7	-2.3	62.8	+2.6	69.6	+1.1	71.2	-1.4	81.9	+3.9	77.2	+0.4	74.2	+2.3	58.2	-2.8	47.6	-3.4	40.4	-2.9	61.0	+0.7
Washington	48.2	+3.5	53.6	+8.1	51.1	-4.3	64.9	+2.6	73.6	+2.3	77.0	-1.1	82.2	+2.0	77.2	-2.1	77.8	+3.3	62.6	-0.5	52.0	-1.2	42.6	-2.6	63.6	+0.9
<i>Middle division</i>																										
Angusta	49.6	+2.4	54.8	+4.9	52.8	-3.6	67.0	+2.7	75.2	+2.8	78.0	-0.9	83.9	+2.6	79.4	-0.5	79.1	+4.0	62.7	-1.8	53.4	-0.9	44.0	-3.6	65.0	+0.7
Brooklet	51.0	+1.5	56.0	+4.9	54.8	-4.8	67.8	+1.9	76.7	+2.7	77.3	-2.8	83.3	+1.4	79.1	-2.3	79.6	+2.4	64.1	-3.1	55.6	-1.5	46.2	-4.1	66.0	-0.3
Columbus	48.7	+1.0	54.6	+5.2	54.2	-4.2	67.1	+1.7	76.6	+3.4	79.2	-0.8	84.4	+2.9	80.8	-0.3	79.9	+2.8	63.8	-2.8	54.9	+0.2	45.8	-3.4	65.8	+0.4
Covington	44.7		50.8		49.4		61.2		69.3		73.8		82.0		77.3		76.6		60.5		50.7		40.8		61.4	
Dublin	49.4	+1.3	54.0	+3.6	53.4	-3.7	65.5	+0.2	75.0	+2.6	76.6	-2.7	82.8	+1.9	77.8	-2.7	79.0	+2.8	62.5	-3.5	54.4	-0.8	45.0	-4.6	64.6	-0.5
Fair View	46.8	0.0	53.3	+4.3	51.7	-4.6	64.5	+1.2	72.8	+2.8	75.8	-2.4	81.4	+2.3	77.4	-1.3	75.6	+0.9	61.3	-3.2	52.2	-1.8	42.6	-5.0	63.0	-0.5
Fort Valley	47.8		54.0		53.0		66.4		75.8		77.1		82.2		78.5		78.5		62.6		53.2		43.7		64.4	
Greensboro	44.8	-0.2	50.6	+4.2	49.4	-5.9	63.0	+0.8	71.2	+0.6	74.6	-3.3	81.2	+1.4	77.0	-2.1	75.8	+1.2	59.8	-3.9	49.8	-3.4	40.0	-6.2	61.4	-1.4
Griffin	47.2	+2.0	54.5	+7.7	51.6	-4.5	64.8	+1.7	72.8	+1.7	75.4	-2.6	81.0	+1.1	78.6	-0.3	76.6	+1.8	62.2	-1.7	52.0	-1.9	43.1	-3.1	63.3	+0.1
Louisville	49.4	+2.2	54.0	+4.8	53.1	-4.2	65.4	+1.4	74.2	+1.4	76.6	-2.4	82.5	+2.1	78.4	-1.6	79.1	+3.7	61.9	-3.1	53.8	-0.9	44.2	-3.8	64.4	0.0
Macon	47.4	+0.1	53.0	+4.1	52.5	-4.3	64.9	+0.9	73.9	+1.8	77.0	-1.9	82.2	+1.1	78.6	-1.4	77.8	+2.2	61.8	-2.9	53.8	-0.5	43.8	-3.5	63.9	-0.3
Marshallville	48.7	+0.7	54.6	+5.0	52.8	-5.5	65.8	+1.1	74.8	+1.7	77.6	-1.9	82.7	+1.7	78.9	-1.7	78.6	+1.9	63.1	-3.0	53.0	-2.8	45.0	-3.8	64.6	-0.6
Milledgeville	45.8	-0.1	51.4	+3.2	51.2	-4.2	65.4	+1.7	75.4	+3.2	77.6	-1.3	84.2	+3.3	79.6	-0.5	79.0	+3.4	61.4	-2.9	52.1	-1.9	42.8	-4.3	63.9	0.0
Millen	45.2	+2.9	54.3	+4.6	53.4	-4.8	65.2	+2.2	76.6	+3.5	79.0	-0.6	85.2	+3.8	80.4	-0.5	80.7	+4.4	63.6	-2.1	55.0	-0.6	44.2	-4.6	65.7	+0.5
Monticello	46.0	+1.0	52.0	+5.1	51.0	-4.3	65.4	+0.5	73.9	+2.5	77.1	-1.1	82.6	+2.6	79.3	-0.1	77.9	+2.8	61.6	-2.0	51.8	-1.7	41.7	-4.5	63.4	+0.2
Newnan	45.3	+0.9	52.8	+7.3	49.6	-5.5	64.2	+2.5	71.3	+0.6	76.0	-1.9	82.1	+2.4	77.6	+1.2	75.9	+1.5	60.0	-3.5	50.8	-2.5	41.4	-3.6	62.3	-0.2
Stillmore	51.0		55.1		53.9		66.2		74.6		76.8		83.0		78.3		78.6		62.0		54.5		44.2		64.8	
Talbotton	47.2	+0.2	53.1	+4.8	51.8	-5.5	64.4	+1.0	74.5	+2.6	77.2	-1.4	83.6	+3.6	79.4	-0.3	78.0	+2.5	61.8	-3.1	52.5	-2.3	42.1	-5.5	63.8	-0.3
Warrenton	47.8	+1.8	53.5	+6.6	51.3	-4.8	65.4	+2.6	74.1	+2.5	77.2	-1.1	82.8	+2.4	78.6	-1.0	77.8	+2.9	61.6	-2.2	52.4	-1.5	43.0	-3.6	63.9	+0.5
West Point	44.6	-0.8	50.0	+3.2	51.0	-5.1	63.2	+0.1	73.0	+1.5	75.6	-3.1	82.8	+2.3	78.6	-1.0	76.7	+1.6	60.0	-4.1	51.9	-1.7	42.1	-4.1	62.5	-0.9
<i>Southern division</i>																										
Alapaha	51.2	+0.5	56.2	+3.7	55.6	-4.5	66.4	-0.1	76.2	+2.2	76.9	-3.0	82.4	+1.0	79.2	-1.8	79.3	+2.0	64.4	-3.0	58.4	+0.7	47.6	-3.7	66.2	-0.4
Albany	50.4	+0.2	55.6	+3.6	55.0	-5.5	67.0	+0.2	77.0	+2.5	78.2	-1.8	82.8	+0.7	80.5	-1.1	79.3	+1.3	65.0	-2.8	56.4	-1.5	46.2	-5.1	66.1	-0.9
Americus	47.6	-0.8	53.3	+2.6	52.6	-6.0	65.2	0.0	74.8	+1.4	77.2	-2.8	82.4	+1.0	79.8	-1.1	78.0	+1.2	63.2	-3.4	53.0	-3.2	44.0	-5.4	64.3	-1.3
Bainbridge	51.4	-0.8	56.6	+2.9	55.0	-6.9	67.2	-0.7	76.4	+1.7	78.2	-2.5	82.2	+0.3	80.2	-1.6	79.0	+0.7	64.2	-3.9	57.0	-1.6	46.6	-5.7	66.2	-1.5
Blakely	51.0	+0.6	56.4	+1.1	54.6	-5.7	66.5	+0.1	75.4	+1.6	78.7	-1.5	82.4	+1.1	78.8	-2.3	78.4	+0.6	64.4	-2.9	56.5	-1.0	46.1	-5.1	65.8	-0.8
Brunswick	55.1	+1.6	58.6	+3.8	57.4	-3.9	68.4	+0.8	76.1	+1.8	77.8	-3.3	83.8	+2.2	81.0	-0.6	81.2	+3.0	68.4	-1.8	58.6	-1.9	49.1	-5.9	65.0	-0.3
Eastman	50.4	+0.6	55.2	+4.3	55.0	-4.7	67.6	+1.5	78.0	+4.3	79.2	-0.8	84.5	+2.9	80.7	-0.3	80.3	+3.3	63.8	-2.9	55.8	-1.0	45.7	-4.2	66.4	+0.3
Fargo	53.0		56.6		55.2		66.4		74.8		75.3		81.4		78.4		79.0		63.8		57.4		49.2		65.9	
Fitzgerald									76.4		77.4		83.0		79.7		80.0		65.0		57.4		47.1			
Fort Gaines	51.4	+2.1	56.1	+5.1	54.7	-4.6	66.6	+0.8	76.0	+2.4	78.5	-1.5	83.3	+2.0	79.2	-1.5	78.6	+1.6	64.2	-2.6	56.3	-0.3	46.0	-4.4	65.9	-0.1
Glenville	52.8	+1.4	57.0	+3.6	55.4	-4.9	66.3	-0.7	74.8	+0.6	76.2	-4.1	81.9	+0.3	78.4	-2.9	79.0	+2.0	64.4	-3.7	56.6	-1.1	47.7	-3.7	65.9	-1.1
Hawkinsville	48.8	+0.5	53.6	+3.6	53.5	-5.3	65.2	+0.1	74.9	+1.5	76.6	-3.1	82.3	+1.0	78.1	-1.9	78.6	+1.4	62.6	-3.9	54.6	-1.7	45.1	-4.3	64.5	-1.1
Hazlehurst	51.8		55.5		55.2		66.4		76.0		77.6		84.0		79.6		80.3		64.4		56.8		45.4		66.2	
Moultrie	53.6		55.2		57.1		68.2		76.7		78.1		83.6		80.5		80.2		65.6		57.6	</				

[Continued from page 49]

excess elsewhere brought the average for the State to about normal. Drought can not be said to have been very dangerous in Georgia as compared with the drought of 1925.

AUGUST.—Drought began to be more severe in August, the average precipitation being only 1.90 inches as compared with 1.79 inches in August, 1925. These two records are the lowest since 1892. The month was slightly below normal in temperature. Cotton withstood the drought well, and the boll weevil exhibited less activity than in almost any year since its appearance in the State.

SEPTEMBER.—A warm and rather wet month, with a rather large number of rainy days. Crops made about normal progress during the month.

OCTOBER.—Moderately cold and rather dry. The month was very favorable for harvesting operations, and at the close of the month cotton was mostly picked and ginned, except over the northern division. The maturing of most crops was favored by dry, cool weather.

NOVEMBER.—A moderately cold but very wet month, with the highest average precipitation for this month on record. High river stages were recorded and moderate flood conditions at a few stations, something quite unique for November. Only brief periods of fair weather occurred.

DECEMBER.—The month was decidedly cold, yet without any very low minimum temperatures. The precipitation was below normal. The special feature for the month was the heavy fall of mingled sleet and snow that occurred on the 16-17th. In the north the precipitation was mostly snow and reached a depth of 14 inches at Clayton; farther south it was mostly sleet, and the compact ice melted very slowly, keeping the maximum temperature for the last half of December quite low. Though the weather was not favorable for farm work, cereal crops and winter vegetables remained in good condition.

MONTHLY STATE DATA FOR 1930

Table with columns: Months, Temperature (Mean, Departure from normal, Maximum, Minimum), Precipitation (Average, Departure from normal, Greatest, Least), No. days with 0.01 inch or more.

KILLING FROSTS

Table with columns: Stations, Last in spring, First in autumn, Stations, Last in spring, First in autumn. Divided into Northern division, Middle division, and Southern division.

* Latest date with temperature 32° or below. † Earliest date with temperature 32° or below.

ANNUAL CLIMATOLOGICAL DATA FOR THE STATE

Table with columns: Year, Temperature (Mean, Departure from normal, Maximum, Minimum), Precipitation (Average, Departure from normal), Number of days or more rain, Number of clear days, Number of partly cloudy days, Number of cloudy days, Prevailing wind direction.

* Extremes. (WBO, Atlanta, 1-30-31-1250)

Monthly and Annual Mean Temperatures for the Year 1930, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
<i>Northern division</i>																										
Athens	46.3	+3.6	52.4	+7.5	51.0	-1.7	65.0	+3.9	72.6	+2.8	77.0	-0.1	83.8	+4.6	80.4	+2.3	77.8	+3.7	61.8	-0.3	51.0	-0.7	41.0	-3.2	63.3	+1.8
Atlanta	42.8	-0.2	51.8	+6.5	49.3	-3.4	63.4	+2.6	70.4	+1.4	75.2	-0.7	81.4	+3.0	78.8	+1.6	75.6	+3.1	60.0	-2.1	49.6	-2.2	39.6	-5.1	61.5	+0.3
Blue Ridge	42.2																									
Carlton	44.6	+1.0	48.6	+1.0	48.6	-1.4	66.0	+2.5	68.7	-1.6	73.4	-3.6	80.8	+1.7	77.0	-1.1	76.6	+3.7	59.0	-2.2	48.4	-3.6	40.5	-3.8	60.6	-0.8
Clayton	41.2	+0.7	44.6	+3.5	45.0	-4.9	56.8	0.0	62.8	-2.4	67.8	-4.2	76.0	+1.6	69.2	-4.6	67.0	-1.7	52.2	-6.6	41.6	-6.7	34.9	-6.2	54.9	-2.7
Cornelia	42.5		47.6		46.8		61.0		67.8		72.0		79.6		75.6		73.2		56.8		47.2		38.5		59.0	
Dahlonega	43.3	+2.3	47.8	+5.5	47.3	-3.7	60.6	+2.1	67.6	+1.3	72.1	-1.3	79.8	+4.2	75.0	0.0	72.2	+1.8	55.6	-4.5	47.2	-2.4	38.2	-3.8	58.9	+0.1
Gainesville	42.4	+1.1	49.2	+6.4	47.3	-4.3	61.3	+2.0	69.4	+1.6	73.6	-1.3	81.2	+3.6	77.2	+1.0	74.3	+3.0	58.0	-2.6	48.4	-2.1	39.6	-2.8	60.2	+0.5
Hartwell	45.7	+2.2	51.3	+6.6	49.4	-4.0	62.6	+1.8	71.2	+1.6	75.0	-2.0	82.6	+3.5	78.4	+0.2	76.7	+3.1	60.8	-1.6	50.2	-1.5	40.3	-4.1	62.0	+0.5
Rome	43.5	+1.7	50.4	+6.1	49.0	-3.7	62.2	+1.2	71.0	+1.4	74.8	-2.0	82.6	+3.2	79.0	+0.5	76.1	+2.7	59.9	-2.3	50.6	+0.1	40.4	-2.7	61.6	+0.5
Talapoosa	42.6	+0.1	49.2	+5.9	49.0	-4.2	60.8	+0.9	69.0	+0.4	72.2	-3.9	80.8	+2.7	76.8	-0.8	74.4	+1.3	57.4	-4.6	49.3	-1.8	39.3	-4.0	60.1	-0.6
Toccoa	45.4	+3.2	50.4	+7.1	49.7	-2.3	62.8	+2.6	69.6	+1.1	71.2	-1.4	81.9	+3.9	77.2	+0.4	74.2	+2.3	58.2	-2.8	47.6	-3.4	40.4	-2.9	61.0	+0.7
Washington	48.2	+3.5	53.6	+8.1	51.1	-4.3	64.9	+2.6	73.6	+2.3	77.0	-1.1	82.2	+2.0	77.2	-2.1	77.8	+3.3	62.6	-0.5	52.0	-1.2	42.6	-2.6	63.6	+0.9
<i>Middle division</i>																										
Angusta	49.6	+2.4	54.8	+4.9	52.8	-3.6	67.0	+2.7	75.2	+2.8	78.0	-0.9	83.9	+2.6	79.4	-0.5	79.1	+4.0	62.7	-1.8	53.4	-0.9	44.0	-3.6	65.0	+0.7
Brooklet	51.0	+1.5	56.0	+4.9	54.8	-4.8	67.8	+1.9	76.7	+2.7	77.3	-2.5	83.3	+1.4	79.1	-2.3	79.6	+2.4	64.1	-3.1	55.6	-1.5	46.2	-4.1	66.0	-0.3
Columbus	48.7	+1.0	54.6	+5.2	54.2	-4.2	67.1	+1.7	76.6	+3.4	79.2	-0.8	84.4	+2.9	80.8	-0.3	79.9	+2.8	63.8	-2.8	54.9	+0.2	45.8	-3.4	65.8	+0.4
Covington	44.7		50.8		49.4		61.2		69.3		73.8		82.0		77.3		76.6		60.5		50.7		40.8		61.4	
Dublin	49.4	+1.3	54.0	+3.6	53.4	-3.7	65.5	+0.2	75.0	+2.6	76.6	-2.7	82.8	+1.9	77.8	-2.7	79.0	+2.8	62.5	-3.5	54.4	-0.8	45.0	-4.6	64.6	-0.5
Fair View	46.8	0.0	53.3	+4.3	51.7	-4.6	64.5	+1.2	72.8	+2.8	75.8	-2.4	81.4	+2.3	77.4	-1.3	75.6	+0.9	61.3	-3.2	52.2	-1.8	42.6	-5.0	63.0	-0.5
Fort Valley	47.8		54.0		53.0		66.4		75.8		77.1		82.2		78.5		78.5		62.6		53.2		43.7		64.4	
Greensboro	41.8	-0.2	50.6	+4.2	49.4	-5.9	63.0	+0.8	71.2	+0.6	74.6	-3.3	81.2	+1.4	77.0	-2.1	75.8	+1.2	59.8	-3.5	49.8	-3.4	40.0	-5.6	61.4	-1.4
Griffin	47.2	+2.0	54.5	+7.7	51.6	-4.5	64.8	+1.7	72.8	+1.7	75.4	-2.6	81.0	+1.1	78.6	-0.3	76.6	+1.8	62.3	-1.7	52.0	-1.9	43.1	-3.1	63.3	+0.1
Louisville	49.4	+2.2	51.0	+4.8	53.1	-4.2	65.4	+1.4	74.2	+1.4	76.6	-2.4	82.5	+1.1	78.4	-1.6	79.1	+3.7	61.9	-3.1	53.8	-0.9	44.2	-3.8	64.4	0.0
Macon	47.4	+0.1	53.0	+4.1	52.5	-4.3	64.9	+0.9	73.9	+1.8	77.0	-1.9	82.2	+1.1	78.6	-1.4	77.8	+2.2	61.8	-2.9	53.8	-0.5	43.8	-3.5	63.9	-0.3
Marshallville	48.7	+0.7	54.6	+5.0	52.8	-5.5	65.8	+1.1	74.8	+1.7	77.6	-1.9	82.7	+1.7	78.9	-1.7	78.6	+1.9	63.1	-3.0	53.0	-2.8	45.0	-3.8	64.6	-0.6
Milledgeville	45.8	-0.1	51.4	+3.2	51.8	-4.2	65.4	+1.7	75.4	+3.2	77.6	-1.3	84.2	+3.3	79.6	-0.5	79.0	+3.4	61.4	-2.9	52.1	-1.9	42.8	-4.3	63.9	0.0
Millen	45.2	+2.9	54.3	+4.6	53.4	-4.8	65.2	+0.2	76.6	+3.5	79.0	-0.6	85.2	+3.8	80.4	-0.5	80.7	+4.4	63.6	-2.1	55.0	-0.6	44.2	-4.6	65.7	+0.5
Monticello	46.0	+1.0	52.0	+5.1	51.0	-4.3	65.4	+2.5	73.9	+2.5	77.4	-1.1	82.6	+2.6	79.3	-1.0	77.9	+2.8	61.6	-2.0	51.8	-1.7	41.7	-4.5	63.4	+0.2
Newnan	45.3	+0.9	52.8	+7.3	49.6	-5.5	64.2	+2.5	71.3	+0.6	76.0	-1.9	82.1	+2.4	77.6	-1.2	75.9	+1.5	60.0	-3.5	50.8	-2.5	41.4	-3.6	62.3	-0.2
Stillmore	51.0		55.1		53.9		66.2		74.6		76.8		83.0		78.3		78.6		62.0		54.5		44.2		64.8	
Talbotton	47.2	+0.2	53.1	+4.8	51.8	-5.5	64.4	+1.0	74.5	+2.6	77.2	-1.4	83.6	+3.6	79.4	-0.3	78.0	+2.5	61.8	-3.1	52.5	-2.3	42.4	-5.5	63.8	-0.3
Warrenton	47.8	+1.8	53.5	+6.6	51.3	-4.8	65.4	+2.6	74.1	+2.5	77.2	-1.1	82.8	+2.4	78.6	-1.0	77.8	+2.9	61.6	-2.2	52.4	-1.5	43.0	-3.6	63.9	+0.5
West Point	44.6	-0.8	50.0	+3.2	51.0	-5.1	63.2	+0.1	73.0	+1.5	75.6	-3.1	82.8	+2.3	78.6	-1.0	76.7	+1.6	60.0	-4.1	51.9	-1.7	42.1	-4.1	62.5	-0.9
<i>Southern division</i>																										
Alapaha	45.2	+0.5	56.2	+3.7	55.6	-4.5	66.4	-0.1	76.2	+2.2	76.9	-3.0	82.4	+1.0	79.2	-1.8	79.3	+2.0	64.4	-3.0	58.4	+0.7	47.6	-3.7	66.2	-0.4
Albany	50.4	+0.2	55.6	+3.6	55.0	-5.5	67.0	+0.2	77.0	+2.5	78.2	-1.8	82.8	+0.7	80.5	-1.1	79.3	+1.3	65.0	-2.8	56.4	-1.5	46.2	-5.1	66.1	-0.9
Americus	47.6	-0.8	53.3	+2.6	52.6	-6.0	65.2	0.0	74.8	+1.1	77.2	-2.8	82.4	+1.0	79.8	-1.1	78.9	+1.2	63.2	-3.4	53.0	-3.2	44.0	-5.4	64.3	-1.3
Bainbridge	51.4	-0.8	56.6	+2.9	55.0	-6.9	67.2	-0.7	76.4	+1.7	78.2	-2.5	82.2	+0.3	80.2	-1.6	79.0	+0.7	64.2	-3.9	57.0	-1.6	46.6	-5.7	66.2	-1.5
Blakely	51.0	+0.6	56.4	+4.1	54.6	-5.7	66.5	+0.1	75.4	+1.6	78.7	-1.5	82.4	+1.1	78.8	-2.3	78.4	+0.6	64.4	-2.9	56.5	-1.0	46.1	-5.1	65.8	-0.8
Brunswick	55.1	+1.6	58.6	+3.8	57.4	-3.9	68.4	+0.8	76.1	+1.8	77.8	-3.3	83.8	+2.2	81.0	-0.6	81.2	+3.0	68.4	-1.8	58.6	-1.9	49.1	-5.9	68.0	-0.3
Eastman	50.4	+0.6	55.2	+4.3	55.0	-4.7	67.6	+1.5	78.0	+4.3	79.2	-0.8	84.5	+2.9	80.7	-0.3	80.3	+3.3	63.8	-2.9	55.8	-1.0	45.7	-4.2	66.4	+0.3
Fargo	53.0		56.6		55.2		66.4		74.8		75.4		81.4		78.4		79.0		63.8		57.4		49.2		65.9	
Fitzgerald									76.4		77.4		83.0		79.7		80.0		65.0		57.4		47.1		67.3	
Fort Gaines	51.4	+2.1	56.1	+5.1	54.7	-4.6	66.6	+0.8	76.0	+2.4	78.5	-1.5	83.3	+2.0	79.2	-1.5	78.6	+1.6	64.2	-2.6	56.3	-0.3	46.0	-4.4	65.9	-0.1
Glennville	52.8	+1.4	57.0	+3.6	55.4	-4.9	66.3	-0.7	74.8	+0.6	76.2	-4.1	81.9	+0.3	78.4	-2.9	79.0	+2.0	64.4	-3.7	56.6	-1.1	47.7	-3.7	65.9	-1.1
Hawkinsville	48.8	+0.5	53.6	+3.6	53.5	-5.3	65.2	+0.1	74.9	+1.5	76.6	-3.1	82.3	+1.0	78.1	-1.9	78.6	+1.4	62.6	-3.9	54.6	-1.7	45.1	-4.3	64.5	-1.1
Hazlehurst	51.8		55.5		55.2		66.4		76.0		77.6		84.0		79.6		80.3		64.4		56.8		46.4		66.2	
Moultrie	53.6		58.2		57.1		68.2		76.7		78.1		83.6		80.5		80.2		65.6		57.6		48.1		67	

[Continued from page 49]

excess elsewhere brought the average for the State to about normal. Drought can not be said to have been very dangerous in Georgia as compared with the drought of 1925.

AUGUST.—Drought began to be more severe in August, the average precipitation being only 1.90 inches as compared with 1.79 inches in August, 1925. These two records are the lowest since 1892. The month was slightly below normal in temperature. Cotton withstood the drought well, and the boll weevil exhibited less activity than in almost any year since its appearance in the State.

SEPTEMBER.—A warm and rather wet month, with a rather large number of rainy days. Crops made about normal progress during the month.

OCTOBER.—Moderately cold and rather dry. The month was very favorable for harvesting operations, and at the close of the month cotton was mostly picked and ginned, except over the northern division. The maturing of most crops was favored by dry, cool weather.

NOVEMBER.—A moderately cold but very wet month, with the highest average precipitation for this month on record. High river stages were recorded and moderate flood conditions at a few stations, something quite unique for November. Only brief periods of fair weather occurred.

DECEMBER.—The month was decidedly cold, yet without any very low minimum temperatures. The precipitation was below normal. The special feature for the month was the heavy fall of mingled sleet and snow that occurred on the 16-17th. In the north the precipitation was mostly snow and reached a depth of 14 inches at Clayton; farther south it was mostly sleet, and the compact ice melted very slowly, keeping the maximum temperature for the last half of December quite low. Though the weather was not favorable for farm work, cereal crops and winter vegetables remained in good condition.

MONTHLY STATE DATA FOR 1930

Table with columns for Months and Temperature (Mean, Departure from normal, Maximum, Minimum) and Precipitation (Average, Departure from normal, Greatest, Least, No. days with 0.01 inch or more).

KILLING FROSTS

Table with columns for Stations, Last in spring, First in autumn, Stations, Last in spring, First in autumn. Divided into Northern division and Middle division.

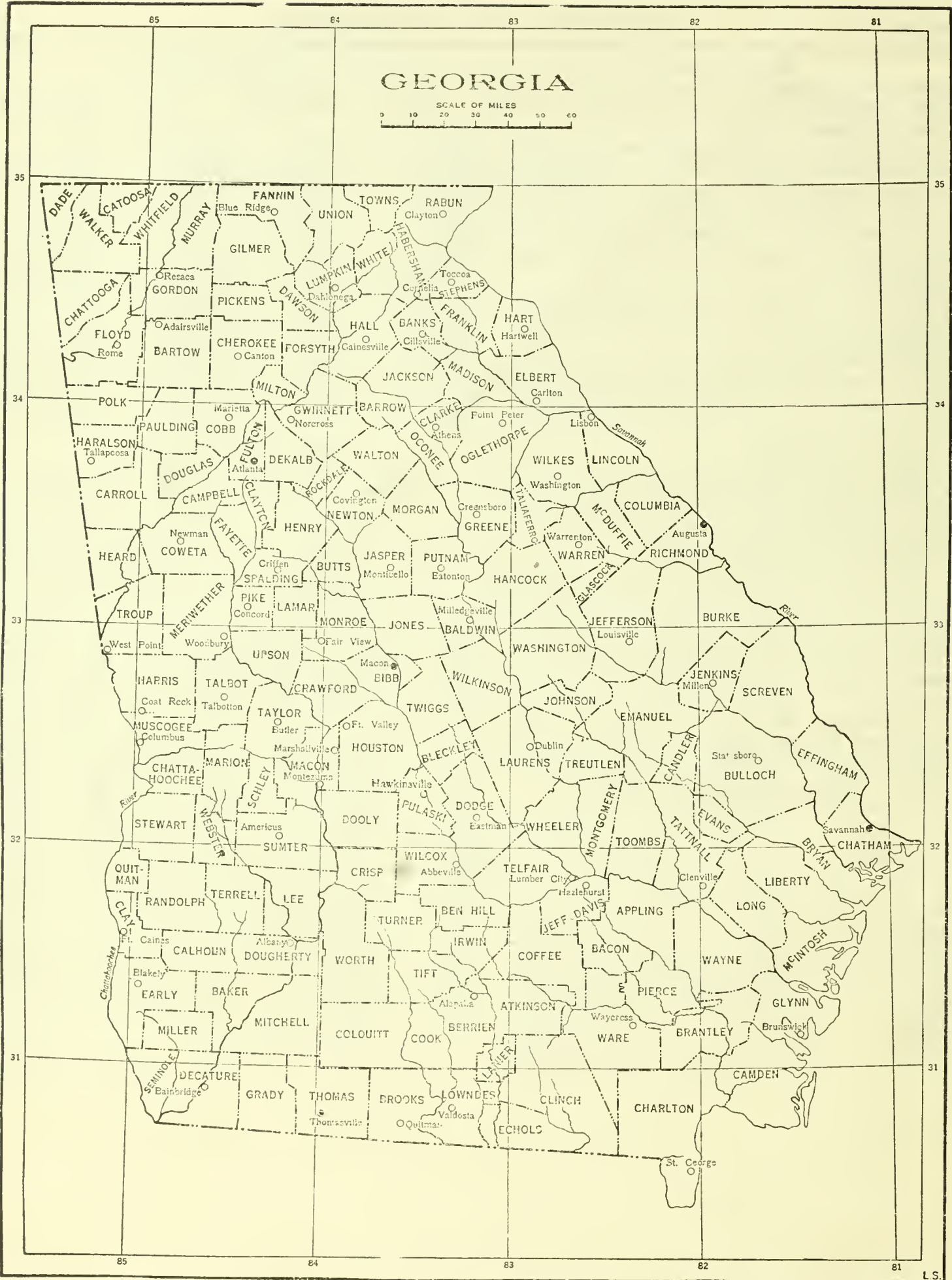
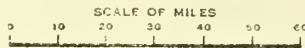
* Latest date with temperature 32° or below. † Earliest date with temperature 32° or below.

ANNUAL CLIMATOLOGICAL DATA FOR THE STATE

Table with columns for Year, Temperature (Mean, Departure from normal, Maximum, Minimum), Precipitation (Average, Departure from normal, Number of days or more rain, Number clear days, Number partly cloudy days, Number cloudy days, Prevailing wind direction).

* Extremes. (WBO, Atlanta, 1-30-31-1250)

GEORGIA



CLIMATOLOGICAL DATA

7

GEORGIA SECTION

C. F. von HERRMANN, Meteorologist

VOL. XXXV ATLANTA, GA., YEAR 1931 No. 13

GENERAL SUMMARY

The remarkable climatic feature of the year 1931 in Georgia was the general drought that prevailed, with some interruptions, from January through November, and in the southern division even through December. Owing to the fact that the rainfall was about normal during May, and that good rains were received during April in the northern division and during July and August in the southern division, the effect of the drought on crop conditions was not nearly so destructive as occurred during the mid-summer drought of 1925. Nevertheless, especially in the southern division, during the fall months very low stages occurred in the rivers of the State, small streams and wells were dry, and in many counties water had to be hauled for drinking purposes. An unusual number of forest fires occurred in southeastern Georgia, which covered the State with a canopy of smoke.

The average rainfall for the State during the six unusually dry years since the beginning of records in 1891 is as follows:

Year	Amount	Departure
1893	40.29	-9.80
1904	37.17	-12.92
1921	40.94	-9.15
1925	41.00	-9.09
1927	40.65	-9.44
1931	36.75	-13.34

The year 1931 was thus the driest on the records for the past 40 years. It is odd that in 1925 January was characterized by excessive rainfall and dangerous floods, only to be followed by persistent drought during the rest of the year, while in 1931 the reverse took place, unusually heavy rains occurring in December, but without flood conditions, due, of course, to the preceding drought.

At 19 stations in Georgia the total precipitation for 1931 was the smallest on record.

Stations	Rainfall in 1931	Previous minimum record
Northern division—		
Washington	34.76	1904-36.97
Central division—		
Augusta	28.18	1904-29.54
Brooklet	29.19	1927-36.84
Concord	31.83	1925-32.54
Fair View	35.35	1921-37.53
Griffin	30.71	1925-32.03
Marshallville	36.36	1927-36.78
Millen	30.06	1910-32.04
Talbotton	35.89	1914-38.81
Warrenton	32.20	1904-34.94
Southern division—		
Americus	31.55	1909-35.96
Blakely	34.10	1904-34.70
Brunswick	31.92	1916-33.31
Glennville	28.27	1927-30.80
Hawkinsville	32.47	1910-34.76
Hazlehurst	32.18	1921-33.05
Savannah	22.00	1923-32.62
Tifton	34.41	1923-43.63
Waycross	25.89	1923-35.24

The spring months of 1931 were decidedly cold, but the last four months of the year, especially December, were remarkably warm. At some stations the highest temperature ever registered in December were reported.

ATMOSPHERIC PRESSURE.—The mean pressure for the year was 30.08 inches; the highest recorded was 30.65 inches at Macon on January 15, and the lowest was 29.33 inches at Thomasville on April 1.

TEMPERATURE.—The annual mean temperature was 65.4° or 1.5° above the normal. The highest annual mean was 69.2° at Brunswick and Waycross, and the lowest was 55.4° at Clayton. The highest monthly mean was 86.0° at Millen in July, and the lowest was 38.0° at Clayton in January. The highest temperature recorded was 109° at Eastman on June 29 and at Milledgeville on June 28, and the lowest was 11° at Clayton on January 2.

PRECIPITATION.—The annual average precipitation was 36.75 inches, or 13.34 inches below the normal. The greatest annual total was 64.45 inches at Clayton, and the least was 22.00 inches at Savannah. The greatest local monthly rainfall was 17.32 inches at Dahlonega in December, and the least was 0.00 inch at Dover, Quitman, and Tifton in November. The greatest amount of precipitation in 24 hours was 5.32 inches at Fitzgerald on August 14. The greatest depth of snowfall, unmelted, was 4.0 inches at Clayton. The average number of days with 0.01 inch or more of precipitation was 87.

WINDS.—The prevailing winds were from the northwest. The maximum velocity was 43 miles per hour from the southeast at Thomasville on March 28.

SUNSHINE AND CLOUDINESS.—The average percentage of sunshine was 69, with a maximum of 91 per cent at Macon in September and a minimum of 44 per cent at Atlanta in December. The average number of clear days was 194, partly cloudy days 91, and cloudy days 80.

SUMMARY BY MONTHS

JANUARY.—Temperatures for the State, as a whole, were moderately below normal, and the rainfall considerably below normal, without being remarkable in any way. A pleasant period of fair, warm weather prevailed from the 20th to the close of the month. Very little snow occurred.

FEBRUARY.—A moderately warm, rather dry month. Owing to the high average number of clear days and the excellent condition of the soil, farm work was more advanced than usual at this time of the year. All winter crops, cereals, truck, etc., remained in good condition.

MARCH.—There was a complete absence during March of the warm periods that normally occur in the spring months, and the month therefore was unusually cold. The month was also very dry. Some heavy hail was reported on the 31st.

APRIL.—Not in any way an eventful month, although the weather continued moderately cold and dry. There was one pleasant, warm period lasting from the 12th to 21st, which was decidedly beneficial to vegetation; crops began to make considerable growth and forests became green quite rapidly.

MAY.—The germination of seeds and the growth of crops was slow during May, which was again rather cold, although practically normal in precipitation. A moderate rise occurred in most of the rivers of central Georgia, due to considerable rainfall during the first decade. Some local hail and wind storms were reported, but the aggregate damage was small.

JUNE.—Strikingly abnormal conditions prevailed, the month being both very warm and extremely dry. It was the driest June on record. Most crops suffered considerably. A few severe local thunderstorms occurred.

JULY.—July was an extremely warm month; the mean temperature for the State, 83.1°, is the highest monthly mean on

(Continued on page 53)

Climatological Data for the Year 1931

Stations	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)						Sky				Prevailing direction of wind	
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Number rainy days	Number clear days	Number partly cloudy days		Number cloudy days
<i>Northern division</i>																				
Athens	Clarke	830	50	65.1	107	June 29	19	Jan. '15	55	41.10	11.31	Dec.	0.47	Nov.	T.	104	177	94	94	w.
Atlanta	Fulton	1,173	66	63.0	101	June 29	18	Jan. '15	66	36.25	12.07	Dec.	0.39	June	0.1	101	146	104	115	w.
Canton	Union	894	5	.....	.....	.....	.....	.....	41	47.94	12.66	Dec.	1.67	Nov.	0.1	92	.....	.....	.....	e.
Carlton Bridge	Oglethorpe	557	5	.....	103	June 28 ¹	14	Jan. '16	32	40.13	12.23	Dec.	1.09	Nov.	0.2	.....	.....	.....	.....	.....
Clayton	Rabun	2,100	37	55.4	96	June 28	11	Jan. '2	37	64.45	16.55	Dec.	1.30	Sept.	4.0	78	238	13	114	.....
Cornelia	Habersham	1,500	13	60.6	102	June 29	16	Jan. '15	13	49.36	14.35	Dec.	1.03	Sept.	2.0	118	182	68	115	w.
Dahlonega	Lumpkin	1,519	40	59.8	99	June 21	15	Jan. '15 ⁺	42	52.49	17.32	Dec.	1.32	Sept.	1.0	121	166	166	33	nw.
Double Branches	Lincoln	.....	6	28.01	6.61	.....	.....	.....	6	28.01	6.61	Dec.	0.18	Oct.	0.0	.....	.....	.....	.....	.....
Gainesville	Hall	1,254	53	61.4	102	June 29	17	Jan. '15	55	46.41	13.41	Dec.	1.23	Sept.	0.2	119	253	31	81	w.
Gillsville	do	1,052	.....	.....	.....	.....	.....	.....	41	46.18	15.21	Dec.	1.04	Sept.	T.	96	.....	.....	.....	.....
Hartwell	Hart	838	22	62.8	104	June 28	17	Jan. '16	22	41.86	12.10	Dec.	1.24	Nov.	1.1	78	.....	.....	.....	w.
Norcross	Gwinnett	1,025	.....	.....	.....	.....	.....	.....	22	42.76	12.66	Dec.	0.43	June	0.1	109	.....	.....	.....	.....
Resaca	Gordon	657	.....	.....	.....	.....	.....	.....	38	47.26	13.24	Dec.	1.28	Nov.	T.	101	.....	.....	.....	s.
Rome	Floyd	576	73	62.8	107	June 28	16	Jan. '15	76	42.91	10.44	Dec.	0.95	Sept.	T.	100	.....	.....	.....	nw.
Tallahoosa	Haralson	1,150	33	60.8	106	June 29	13	Jan. '15	33	42.11	13.10	Dec.	0.70	Oct.	T.	74	.....	.....	.....	.....
Toccoa	Stephens	1,050	46	61.9	103	June 29	17	Jan. '15	47	47.19	13.74	Dec.	0.73	Sept.	1.4	113	173	114	78	w.
Washington	Wilkes	630	41	65.3	105	June 28	18	Jan. '15	44	34.76	8.05	Dec.	0.32	Nov.	0.2	101	224	69	72	w.
Division means and extremes			.....	61.6	107	June 28 ¹	11	Jan. '2	.....	44.55	17.32	Dec.	0.18	Oct.	0.6	97	189	89	87	w.
<i>Middle division</i>																				
Augusta	Richmond	182	86	66.0	105	June 28	23	Jan. '16	65	28.18	5.35	Dec.	0.19	Nov.	T.	97	146	132	87	nw.
Brooklet	Bulloch	253	32	67.6	106	June 29	23	Jan. '16	32	29.19	6.60	Aug.	T.	Nov.	0.0	64	254	94	17	.....
Butler	Taylor	650	.....	.....	.....	.....	.....	.....	31	38.35	7.07	Dec.	0.15	Nov.	0.0	60	.....	.....	.....	.....
Columbus	Muscogee	262	44	66.7	104	June 28 ¹	22	Jan. '15	44	40.47	8.77	Dec.	0.32	Sept.	0.9	86	.....	.....	.....	ne.
Concord	Pike	850	.....	.....	.....	.....	.....	.....	20	31.83	8.29	Dec.	0.19	Nov.	0.0	89	229	53	83	.....
Covington	Newton	800	4	63.5	105	June 28 ¹	17	Jan. '15	40	34.99	8.25	Dec.	0.35	Nov.	T.	65	.....	.....	.....	.....
Dover	Seven	.....	.....	.....	.....	.....	.....	.....	2	29.03	7.86	Aug.	0.00	Nov.	0.0	64	.....	.....	.....	.....
Dublin	Laurens	452	20	66.4	107	June 29	22	Jan. '15	38	31.17	5.54	July	0.11	Nov.	0.0	95	.....	.....	.....	w.
Fair View	Lauar	16	64.3	104	June 28 ¹	19	Jan. '15	16	35.35	6.73	Dec.	0.38	Nov.	T.	86	.....	.....	.....	.....
Fort Valley	Peach	526	11	65-1	104	June 28 ¹	20	Jan. '15	11	40.03	8.72	May	0.24	Nov.	0.0	100	206	86	73	w.
Goat Rock	Muscogee	.....	.....	.....	.....	.....	.....	.....	18	28.39	6.55	Dec.	0.11	Sept.	0.0	76	.....	.....	.....	.....
Greensboro	Greene	598	30	62.3	104	June 28	16	Jan. '15	30	37.01	8.04	Dec.	0.39	Nov.	T.	80	219	68	78	w.
Groton	Spalding	975	42	64.4	103	June 29	16	Jan. '15	42	30.71	7.81	Dec.	0.26	Nov.	0.0	92	153	88	124	se.
Louisville	Jefferson	259	34	65.6	104	June 28 ¹	21	Jan. '15	34	30.83	7.86	Aug.	0.06	Nov.	0.0	83	.....	.....	.....	.....
Macon	Bibb	370	51	65.1	104	June 28	21	Jan. '15	54	39.30	7.31	Aug.	0.21	Nov.	T.	96	147	92	125	nw.
Marshallville	Macon	500	58	66.0	104	June 29 ¹	22	Jan. '15	39	36.36	7.27	Aug.	0.08	Nov.	0.0	76	.....	.....	.....	w.
Midville	Burke	.....	.....	.....	.....	.....	.....	.....	2	23.23	4.01	July	0.04	Nov.	0.0	65	.....	.....	.....	.....
Milledgeville	Baldwin	276	44	64.5	109	June 28	19	Jan. '2	43	34.80	7.05	May	0.13	June	0.0	80	214	45	105	nw.
Millen	Jenkins	158	44	66.8	108	July 3	21	Jan. '15	45	30.06	5.85	July	T.	Nov.	0.0	67	.....	.....	.....	nw.
Monticello	Jasper	860	37	64.9	108	June 29	18	Jan. '15	36	49.98	9.75	July	0.15	Nov.	0.0	99	221	72	72	.....
Newnan	Coweta	959	43	61.6	103	June 28	18	Jan. '15	43	34.81	12.76	Dec.	0.40	Oct.	T.	99	203	73	89	nw.
Sparta	Hancock	.....	.....	.....	.....	.....	.....	.....	2	33.13	6.55	Dec.	T.	Nov.	0.0	71	.....	.....	.....	.....
Stillmore	Emanuel	.....	7	66.7	106	July 3	20	Jan. '15	7	34.86	12.41	Aug.	0.09	Nov.	0.0	91	.....	.....	.....	.....
Talbotton	Talbot	750	38	65.5	105	June 28	19	Jan. '15	38	35.89	8.02	Dec.	0.46	Oct.	0.0	62	201	115	49	sw.
Warrenton	Warren	500	17	64.7	107	June 28	21	Jan. '2	17	32.20	5.81	Dec.	T.	Nov.	T.	92	209	116	40	ne.
West Point	Troup	620	42	64.0	104	June 28 ¹	18	Jan. '2	43	38.65	7.90	Dec.	0.28	Sept.	0.0	101	170	67	128	n.
Woodbury	Meriwether	641	.....	.....	.....	.....	.....	.....	31	34.23	8.53	Dec.	0.64	Nov.	0.0	84	.....	.....	.....	.....
Division means and extremes			.....	65.2	109	June 28	16	Jan. '15	.....	33.84	12.76	Dec.	0.00	Nov.	T.	82	193	87	85	nw.
<i>Southern division</i>																				
Abbeville	Wilcox	180	.....	.....	.....	.....	.....	.....	29	30.27	6.79	May	0.20	Nov.	0.0	70	.....	.....	.....	nw.
Alapaha	Berrien	293	43	67.8	101	June 29	23	Jan. '15	43	38.72	8.58	July	0.06	Nov.	0.0	73	.....	.....	.....	sw.
Albany	Dougherty	230	45	67.6	106	June 29	24	Jan. '15	46	44.14	10.57	July	0.06	Nov.	0.0	94	265	20	80	ne.
Americus	Sumter	362	47	66.1	108	June 29	20	Jan. '15	48	31.55	5.36	July	0.03	Nov.	0.0	79	266	51	48	s.
Bainbridge	Decatur	119	40	67.4	104	June 28	24	Jan. '2	40	33.95	6.07	Dec.	0.01	Nov.	0.0	87	.....	.....	.....	sw.
Blakely	Early	300	36	67.3	106	June 29	22	Jan. '15	38	34.10	7.22	July	0.02	Nov.	0.0	92	176	126	63	nw.
Brunswick	Glynn	14	27	69.2	102	July 2	27	Jan. '15	30	31.92	6.26	Aug.	0.28	Oct.	0.0	81	190	107	68	se.
Darien	McIntosh	.....	1	68.0	100	July 7	26	Jan. '15	1	36.32	6.41	July	0.96	Oct.	0.0	.....	.....	.....	.....	ne.
Eastman	Dodge	361	40	67.7	109	June 29	22	Jan. '15	40	35.76	7.13	May	0.04	Nov.	0.0	77	263	62	40	nw.
Fargo	Clinch	116	4	67.6	106	June 29	24	Jan. '2	4	31.82	5.92	May	0.15	Oct.	0.0	78	.....	.....	.....	nw.
Fitzgerald	Ben Hill	.....	15	67.9	104	June 29 ¹	23	Jan. '15	16	34.53	12.25	Aug.	T.	Nov.	0.0	46	.....	.....	.....	.....
Fort Gaines	Clay	166	44	67.2	104	June 29 ¹	23	Jan. '2	44	35.75	6.91	Dec.	0.05	Nov.	0.0	73	.....	.....	.....	ne.
Glennville	Tattnall	175	27	67.5	103	July 2 ¹	24	Jan. '15 ⁺	27	28.27	7.77	Aug.	T.	Oct.	0.0	85	171	143	51	ne.
Hawkinsville	Pulaski	235	36	66.6	107	June 29	21	Jan. '2	37	32.47	7.27	May	0.20	Nov.	0.0	87	215	42	108	w.
Hazlehurst	Jeff Davis	261	13	67.7	107	July 3 ¹	22	Jan. '15	13	32.18	6.72	July	0.04	Nov.	0.0	94	146	176	33	sw.
Lumber City	Telfair	150	.....	.....	.....	.....	.....	.....	22	36.81	10.45	Aug.	0.16	Nov.	0.0	86	.....	.....	.....	.....
Melriss	Bryan	.....	.....	.....	.....	.....	.....	.....	2	26.00	7.75	Aug.	0.25	Nov.	0.0	76	.....	.....	.....	.....
Montezuma	Macon	292	.....	.....	.....	.....	.....	.....	27	34.28	5.42	Dec.	0.05	Nov.	0.0	86	.....	.....	.....	nw.
Moultrie	Colquitt	397	5	68.7	1															

Monthly and Annual Precipitation for the Year 1931, with Departures from the Normal

Table with columns for Stations, months (January-December), and Annual. Rows are categorized into Northern division, Middle division, and Southern division, listing various cities like Athens, Atlanta, Augusta, etc.

* Plus (+).

† Interpolated.

[Continued from page 49]

record excepting only September, 1925, when the mean was 83.6°. But the frequent showers received were very beneficial, and resulted in marked improvement in crop conditions. Very few severe local storms occurred.

AUGUST.—Alternate periods of moderately warm and moderately cool weather prevailed, with rather frequent showers and the average nearly normal. There was some hail in the northern division. Crops continued to make good progress during the month.

SEPTEMBER.—A very warm month and also the driest September on record, though equaled in this respect by September, 1926. Small streams and wells were dried up and water had to be hauled for drinking purposes in numerous sections of the State.

OCTOBER.—Dry and warm; temperatures were almost uniformly high, with a very late occurrence of a temperature above 90°, namely, at Hartwell on the 25th. Killing frosts occurred at a few places in the north on several mornings.

NOVEMBER.—The driest and warmest November on record for 40 years. The drought reduced rivers, streams, small lakes, and wells to the lowest water level ever observed, especially in the southern division. The soil became very hard and dry, and delayed the planting of winter cereals.

DECEMBER.—The remarkable feature for the month of December was the unusually heavy precipitation that occurred, especially over the northern division. The State average precipitation was exceeded only twice before. The rainfall exceeded 10 inches at 16 northern stations, with a maximum of 17.32 inches at Dahlonega. The drought was completely broken, except in coast districts.

KILLING FROSTS

Stations		Last in spring	First in autumn	Stations		Last in spring	First in autumn
<i>Northern division</i>				<i>Middle division—Con.</i>			
Athens	Mar. 18*	Nov. 8†	Monticello	Mar. 18	Nov. 8		
Atlanta	Mar. 17	Dec. 8†	Newnan	Mar. 30	do 8†		
Blairsville	Mar. 18	Oct. 19†	Stillmore	Mar. 18	do 7		
Carlton Bridge	Mar. 30*	Nov. 2†	Talbotton	Mar. 18	do 8		
Clayton	Apr. 2	Oct. 19†	Warrenton	Mar. 18*	do 7		
Cornelia	Apr. 2	Nov. 2†	West Point	Mar. 19*	do 1		
Dahlonega	Apr. 7	do 1†	<i>Southern division</i>				
Gainesville	Apr. 7	do 2†	Alapaha	Mar. 18	None.		
Hartwell	Mar. 30*	do 3†	Albany	Mar. 18	None.		
Rome	Mar. 23*	do 1†	Americus	Mar. 18	None.		
Tallapoosa	Apr. 7*	Oct. 19†	Bainbridge	Mar. 18	Nov. 2†		
Toccoa	Mar. 30*	Nov. 2†	Blakely	Mar. 18	None.		
Washington	Mar. 30	do 7	Brunswick	Feb. 11	None.		
<i>Middle division</i>				Darien	Feb. 16*	None.	
Augusta	Feb. 15	Nov. 8	Eastman	Mar. 18	None.		
Brooklet	Mar. 18*	None.	Fargo	Mar. 5*	Nov. 1†		
Columbus	Mar. 18	None.	Fitzgerald	Mar. 5	None.		
Covington	Mar. 26*	Nov. 1†	Fort Gaines	Mar. 18	Nov. 1		
Dublin	Mar. 18	do 2†	Glennville	Mar. 5*	None.		
Fair View	Mar. 18*	do 8	Hawkinsville	Mar. 18	Nov. 7		
Fort Valley	Mar. 18	do 8	Hazlehurst	Mar. 18*	do 1		
Greensboro	Mar. 20*	do 8	Moultrie	Mar. 9*	None.		
Griffin	Mar. 30*	do 1†	Quitman	Mar. 10*	None.		
Louisville	Mar. 18	do 1†	Savannah	Feb. 11	None.		
Macon	Mar. 18	do 8	Savannah, No. 2	Mar. 18*	Nov. 2†		
Marshallville	Mar. 18	do 7	Thomasville	Mar. 10	None.		
Milledgeville	Mar. 18	do 2†	Tifton	Mar. 17*	None.		
Millen	Mar. 18	do 1†	Waycross	Mar. 10*	Nov. 2†		

* Latest date with temperature 32° or below.
† Earliest date with temperature 32° or below.

MONTHLY STATE DATA FOR 1931

Months	Temperature				Precipitation				
	Mean	Departure from normal	Maximum	Minimum	Average	Departure from normal	Greatest	Least	No. days with 0.01 inch or more
January	46.1	-0.6	78	11	2.91	-1.30	4.15	1.50	7
February	49.8	+1.3	79	13	2.83	-2.15	4.47	1.43	8
March	51.2	-5.3	81	19	2.96	-2.02	7.25	1.46	8
April	61.9	-1.6	89	27	3.01	-0.61	7.00	0.72	8
May	69.7	-1.9	98	33	3.45	+0.02	8.72	0.35	5
June	80.4	+2.5	109	41	1.80	-2.65	5.15	0.01	8
July	83.1	+3.2	108	58	4.75	-1.00	10.57	1.77	11
August	79.0	-0.4	104	46	5.04	-0.13	12.41	1.50	10
September	78.6	+3.2	107	35	1.31	-2.43	4.98	0.27	4
October	67.6	+2.7	95	24	1.04	-1.69	3.70	7.	3
November	60.6	+6.0	90	21	0.63	-2.10	4.10	0.00	3
December	56.8	+9.3	86	19	7.02	+2.75	17.32	1.09	13
Year	55.4	+1.5	109	11	36.75	-13.34	64.45	22.00	87

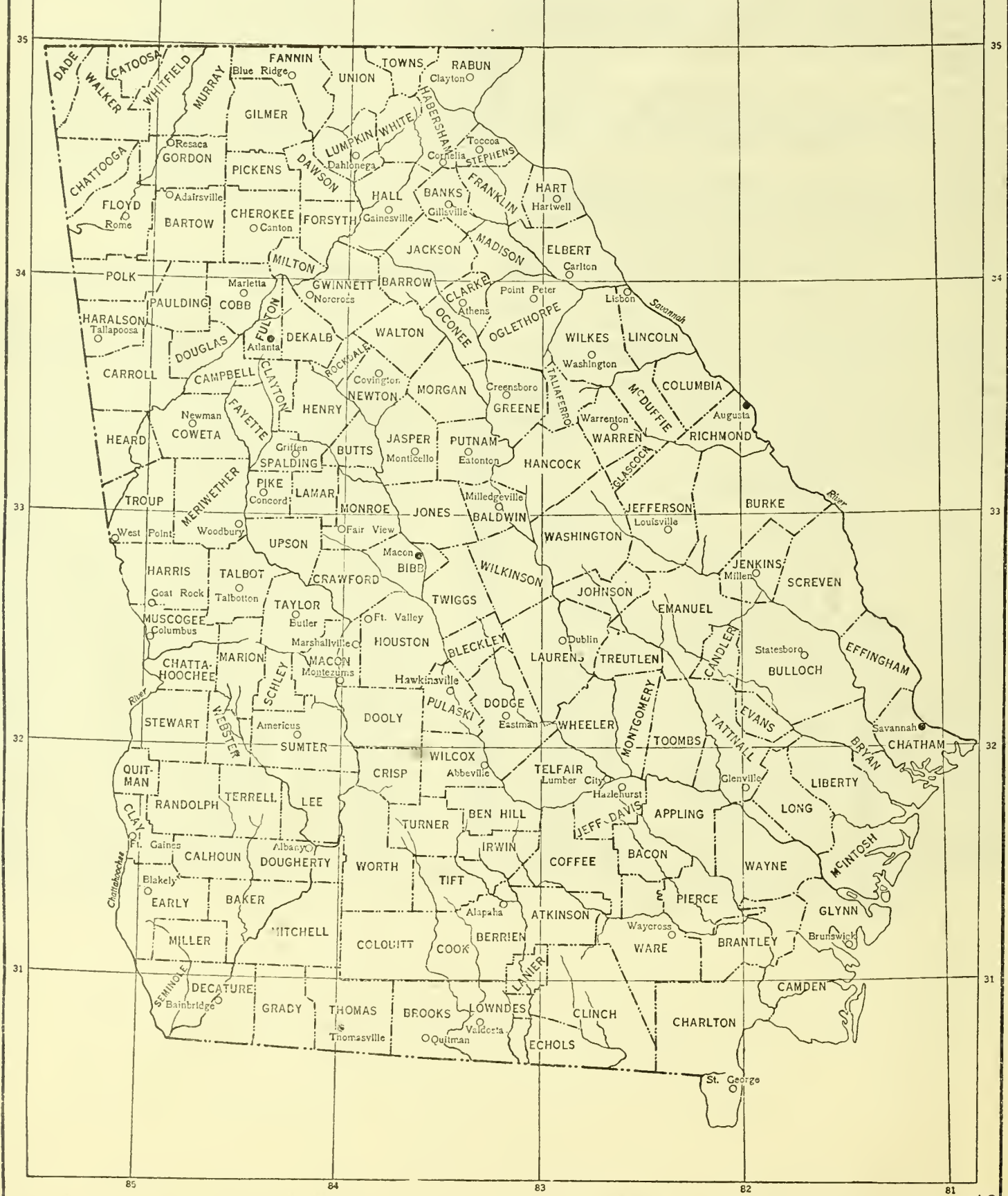
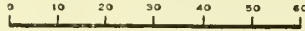
ANNUAL CLIMATOLOGICAL DATA FOR THE STATE

Year	Temperature				Precipitation				Number days partly cloudy	Number cloudy days	Prevailing wind direction
	Mean	Departure from normal	Maximum	Minimum	Average	Departure from normal	Number days 0.01 inch or more rain	Number clear days			
1892	62.8	-1.1	102	9	51.12	+1.03	96	152	104	110	.....
1893	63.3	-0.6	108	-1	40.29	-9.80	86	169	107	89	nw.
1894	64.0	+0.1	104	0	49.75	-0.34	94	157	123	85	nw.
1895	62.2	-1.7	102	-5	49.67	-0.52	96	154	117	94	nw.
1896	64.5	+0.6	108	-3	45.15	-4.94	81	176	113	77	nw.
1897	64.0	+0.1	107	-6	49.23	-0.86	84	154	115	96	sw.
1898	63.9	0.0	103	7	53.14	+3.05	99	152	122	91	nw.
1899	63.6	-0.3	106	-12	44.20	-5.89	91	171	110	84	sw.
1900	63.7	-0.2	107	0	57.33	+7.21	115	141	130	94	nw.
1901	61.6	-2.3	106	3	57.58	+7.49	113	152	123	90	nw.
1902	63.6	-0.3	108	7	49.99	-0.10	100	136	128	101	nw.
1903	62.6	-1.3	104	9	53.84	+3.75	100	140	116	109	nw.
1904	62.6	-1.3	104	4	37.17	-12.92	87	183	107	76	nw.
1905	63.2	-0.7	106	-8	51.03	+0.94	100	155	106	104	ne.
1906	63.4	-0.5	103	11	54.60	+4.51	102	163	108	94	sw.
1907	64.2	+0.3	106	14	48.73	-1.36	97	159	126	80	w.
1908	64.3	+0.4	105	9	50.03	-0.06	89	169	113	84	nw.
1909	64.0	+0.1	104	5	48.31	-1.78	91	178	112	75	w.
1910	63.0	-0.9	105	8	43.60	-6.49	91	184	86	95	w.
1911	65.7	+1.8	108	9	48.23	-1.86	98	167	75	123	w.
1912	62.9	-1.0	103	0	63.02	+12.93	115	152	83	131	w.
1913	64.0	+0.1	110	12	46.47	-3.62	97	183	79	103	w.
1914	63.4	-0.5	109	5	45.58	-4.51	93	130	109	126	nw.
1915	64.0	+0.1	108	16	49.63	-0.46	89	196	83	86	nw.
1916	64.3	+0.4	103	10	43.50	-6.59	93	180	95	91	nw.
1917	62.6	-1.3	103	0	47.41	-2.68	99	181	92	92	sw.
1918	64.5	+0.6	106	-3	48.73	-1.36	101	163	88	116	w.
1919	65.2	+1.3	103	2	54.91	+1.82	103	167	87	111	nw.
1920	63.0	-0.9	105	4	59.73	+9.61	107	166	86	114	nw.
1921	66.1	+2.2	104	20	40.94	-9.15	94	173	100	92	w.
1922	65.7	+1.8	104	12	55.38	+5.29	113	158	94	113	ne,sw
1923	64.5	+0.6	105	0	52.76	+2.67	108	159	88	118	sw.
1924	63.1	-0.8	107	-9	54.27	+4.18	99	187	72	107	nw.
1925	65.8	+1.9	111	0	41.00	-9.09	89	186	75	104	w.
1926	63.9	0.0	110	6	50.44	+0.35	104	181	78	106	w.
1927	66.2	+2.3	108	4	40.65	-9.44	92	177	100	88	sw.
1928	63.6	-0.3	105	-5	59.92	+9.83	114	167	101	98	nw.
1929	64.6	+0.7	103	7	69.83	+19.74	122	156	101	108	ne.
1930	63.9	0.0	109	8	46.13	-3.96	99	175	93	97	ne.
1931	65.4	+1.5	109	11	36.75	-13.34	87	194	91	80	nw.
Normals	63.9	.....	111*	-12*	50.09	.....	95	165	101	99	nw.

* Extremes. (WBO, Atlanta, 1-28-32-1250)

GEORGIA

SCALE OF MILES



CLIMATOLOGICAL DATA

7

GEORGIA SECTION

GEORGE W. MINDLING, Meteorologist

VOL. XXXVI ATLANTA, GA., YEAR, 1932 No. 13

GENERAL SUMMARY

January, February, and December, 1932, in Georgia were especially warm, while March and November were decidedly cold. July, too, was a warm month, but the other months of the year averaged generally close to the normal temperature. With the warm weather during January and February of this year and in December of 1931, the winter of 1931-1932 was the warmest winter of record in Georgia.

The year 1932 was dry during the spring, moderately wet in the summer months, and decidedly wet during October, November, and December over most of the State. January also was a wet month. A marked feature of the precipitation during December was the sleet and ice storm that prevailed over northern Georgia from the 15th to 17th. Much damage resulted to telephone and electric services in that area. Some snow fell at a few places in connection with this storm, and snow fell also in the northern and central districts during March.—A. H. S.

ATMOSPHERIC PRESSURE.—The mean pressure for the year was 30.05 inches; the highest recorded was 30.64 inches at Macon on February 1, and the lowest was 29.13 inches at Thomasville on March 5.

TEMPERATURE.—The annual mean temperature was 65.7°, or 1.8° above the normal. The highest annual mean was 70.0° at Brunswick, and the lowest was 56.0° at Clayton. The highest monthly mean was 86.0° at Millen in July, and the lowest was 41.8° at Clayton in December. The highest temperature recorded was 108° at Millen on July 14, 15, 22, and 23, and the lowest was 10° at Blairsville and Clayton on March 10.

PRECIPITATION.—The annual average precipitation was 56.80 inches, or 6.71 inches above the normal. The greatest annual total was 89.71 inches at Clayton, and the least was 39.80 inches at Columbus. The greatest local monthly rainfall was 20.63 inches at Dahlonga in December, and the least was 0.20 inch at Darien in December. The greatest amount of precipitation in 24 hours was 6.10 inches at Fargo on September 15. The greatest depth of snowfall, unmelted, was 4.0 inches at Clayton, Cornelia, Gainesville, Gillsville, Hartwell, and Toccoa. The average number of days with 0.01 inch or more of precipitation was 115.

WINDS.—The prevailing winds were from the northwest. The maximum velocity was 58 miles per hour from the west at Savannah on June 15.

SUNSHINE AND CLOUDINESS.—The average percentage of sunshine was 62, with a maximum of 87 per cent at Macon in April and a minimum of 27 per cent at Atlanta in December. The average number of clear days was 162, partly cloudy days 93, and cloudy days 111.

SUMMARY BY MONTHS

JANUARY.—A remarkably warm month, with the highest average temperature on record for January. Precipitation was frequent, averaging moderately above normal, and not much farm work was accomplished. Winter cereals and truck made very good growth, but fruit buds in the main peach-growing areas remained dormant.

FEBRUARY.—Another warm month, with frequent precipitation over most of the State, except during the last week. All crops and forest vegetation made rapid growth. Peach buds were still dormant in the Fort Valley area, though the buds had developed further north. Farm work made rapid progress during the last week of the month.

MARCH.—A cold month, due to the long spell of cold weather from the 6th to the 16th, inclusive. On the 10th temperatures as low as 22° were reported in the extreme south, with 26° on the coast. The cold spell, following a remarkably mild winter, was destructive to crops and all vegetation unduly advanced. The peach crop was severely damaged over northern Georgia, but not in the Fort Valley district where the buds were still dormant. Destructive local tornadoes occurred in northern Georgia on the 21st and further south on the 27th.

APRIL.—The month was moderately warm and dry, and plowing and planting made about normal progress. Two local wind storms occurred, one on the 26th near Nashville, in Berrien County, and the other on the 30th near Americus, in Sumter County. Both storms moved from the southwest to northeast, being possibly of tornadic type, with some loss of life and considerable property damage.

MAY.—An uneventful month that was moderately cool and dry. Nights were rather cool most of the month, and this caused slow growth of crops. Drought prevailed the first half of the month, but general and copious rains relieved this condition after the 16th, and crops responded vigorously to the improved moisture conditions.

JUNE.—A marked feature was the frequency of the showers, and with practically normal temperature conditions. All crops grew well, though the frequent showers caused sappy growth, especially in cotton, and favored unusual weevil activity. The showers interfered with farm work, and many fields became grassy. Some damage from hail occurred on the 15th.

JULY.—An extremely warm month, with frequent showers during the first week. Crops, as a rule, made good progress, though corn suffered severely during the dry, hot weather at the middle of the month. Two persons were killed by lightning during the month.

AUGUST.—Normal temperature conditions prevailed, with fairly frequent showers. Crops generally grew well, though the weather was too wet in places. Frequent showers again favored boll weevil activity, and cotton fruited poorly in many areas.

SEPTEMBER.—The month was practically normal as to tem-

Monthly and Annual Precipitation for the Year 1932, with Departures from the Normal

Table with columns for Stations, months (January-December), and Annual. Rows are categorized by Northern, Middle, and Southern divisions. Each cell contains precipitation and departure values.

*Plus (+)

[Continued from page 49]

perature, and the rainfall, most of which fell after the 13th, averaged close to normal, though there were some localities where the precipitation was deficient, especially in the middle division. Conditions were favorable for the maturing and harvesting of crops during the first half of the month. The heavy rains in the southern portion during the 13-15th and the frequent showers after the 20th interfered somewhat with harvesting operations, but sweet potatoes, cane, and late crops generally were benefited.

OCTOBER.—The month was unusually wet, due especially to the heavy rains that fell on the 5-6th, 15-16th, and 31st. The rainfall for the month was quite generally above 6 inches northward from Atlanta and Athens, but it was less than 4 inches in the southern drainage areas of the Chattahoochee and Flint Rivers and in much of the southeastern portion of the State. A tornado struck into Cairo, Grady County, on the 31st, and much damage to property resulted, while about 30 people were injured, 2 of them fatally.

NOVEMBER.—A rather cold November, with generally abundant rainfall, which was quite well distributed through the month. Winter cereals and truck were making generally good growth at the close of the month.

DECEMBER.—An outstanding warm month, though with a cold spell from the 15th through the 21st, and exceptionally wet over the northern part of the State, but with light rain near the coast; at Dahlona the total amount of precipitation was 20.63 inches, while at Darien the total amount was 0.20 inch. During the 15-17th cold rains mixed with sleet and snow fell in the northern sections. Sleet and snow accumulated to a depth of 4 inches at several stations. At the same time, the rain froze to an unusual extent on striking the surface, especially on trees and wires, which were broken down in many places by the weight of the ice, with resulting interruptions to communication systems and lighting services. Heavy ice coating was reported as far south as Griffin. Due to the heavy rains, the rivers of northern Georgia were above flood stage early in the second decade and again near the close of the month.

MONTHLY STATE DATA FOR 1932

Months	Temperature				Precipitation				No. days with .01 inch or more
	Mean	Departure from normal	Maximum	Minimum	Average	Departure from normal	Greatest	Least	
January	55.6	+8.9	87	16	5.72	+1.51	9.75	0.76	9
February	57.9	+9.4	87	18	3.73	-1.25	8.02	0.65	10
March	53.0	-3.5	88	10	4.46	-0.52	8.85	2.23	8
April	64.6	+1.1	94	28	1.74	-1.88	4.80	0.29	6
May	70.9	-0.7	97	37	3.57	+0.14	8.46	0.85	8
June	78.5	+0.6	107	46	6.52	+2.04	16.07	2.22	14
July	82.9	+3.0	108	45	5.07	-0.65	9.21	1.25	10
August	79.8	+0.4	103	44	6.13	+0.96	13.75	1.84	13
September	74.9	-0.5	103	44	3.94	+0.20	13.02	0.71	10
October	64.8	-0.1	92	29	5.09	+2.36	10.76	1.92	12
November	52.0	-2.6	83	12	4.59	+1.86	7.78	2.07	9
December	53.2	+5.7	84	16	6.24	+1.97	20.63	0.20	12
Year	65.7	+1.8	108	10	56.80	+6.71	89.71	39.80	115

KILLING FROSTS

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
<i>Northern division</i>			<i>Middle division—Con.</i>		
Athens	Mar. 15*	Nov. 12†	Monticello	Mar. 16*	Nov. 12†
Atlanta	Mar. 15	do 12†	Newnan	Mar. 15*	do 12†
Blairsville	Apr. 2*	do 12†	Stillmore	Mar. 15*	do 13†
Carlton Bridge	Mar. 25*	do 12†	Talbotton	Mar. 15*	do 12†
Clayton	Apr. 29*	Oct. 7†	Warrenton	Mar. 15*	do 13†
Cornelia	Mar. 23	Nov. 10†	West Point	Mar. 24*	do 12†
Dahlonega	Mar. 23	Oct. 7†	<i>Southern division</i>		
Gainesville	Mar. 23*	Nov. 12†	Alapaha	Mar. 15*	Nov. 13†
Hartwell	Mar. 23*	do 12†	Albany	Mar. 15*	do 12†
Rome	Mar. 23*	do 10	Americus	Mar. 15*	do 12†
Tallapoosa	Apr. 16*	Oct. 7†	Bainbridge	Mar. 16*	do 13†
Toocoa	Mar. 25*	Nov. 12†	Blakely	Mar. 15*	do 12
Washington	Mar. 15*	do 12†	Brunswick	Mar. 15*	do 29†
<i>Middle division</i>			Darien	Mar. 15*	do 29†
Augusta	Mar. 11	Nov. 14	Eastman	Mar. 15*	do 12†
Brooklet	Mar. 16*	do 13†	Fargo	Mar. 15*	do 12†
Columbus	Mar. 15*	do 10	Fitzgerald	Mar. 15*	do 13†
Covington	Mar. 24*	do 12†	Fort Gaines	Mar. 16*	do 12†
Dublin	Mar. 24	do 13	Glenville	Mar. 15*	do 25†
Fair View	Mar. 15*	do 12†	Hawkinsville	Mar. 15*	do 13†
Fort Valley	Mar. 15*	do 12†	Hazlehurst	Mar. 15*	do 13†
Greensboro	Mar. 24*	do 10†	Moultrie	Mar. 15*	do 13†
Griffin	Mar. 23*	do 12†	Quitman	Mar. 16*	do 13†
Louisville	Mar. 24	do 13	Savannah	Mar. 11	do 13
Macon	Mar. 14	do 14	Savannah, No. 2	Mar. 16*	do 13
Marshallville	Mar. 15*	do 12†	Thomasville	Mar. 15	Dec. 13
Milledgeville	Mar. 25*	do 13†	Tifton	Mar. 16*	Nov. 13
Millen	Mar. 16*	do 12†	Waycross	Mar. 15*	do 17†

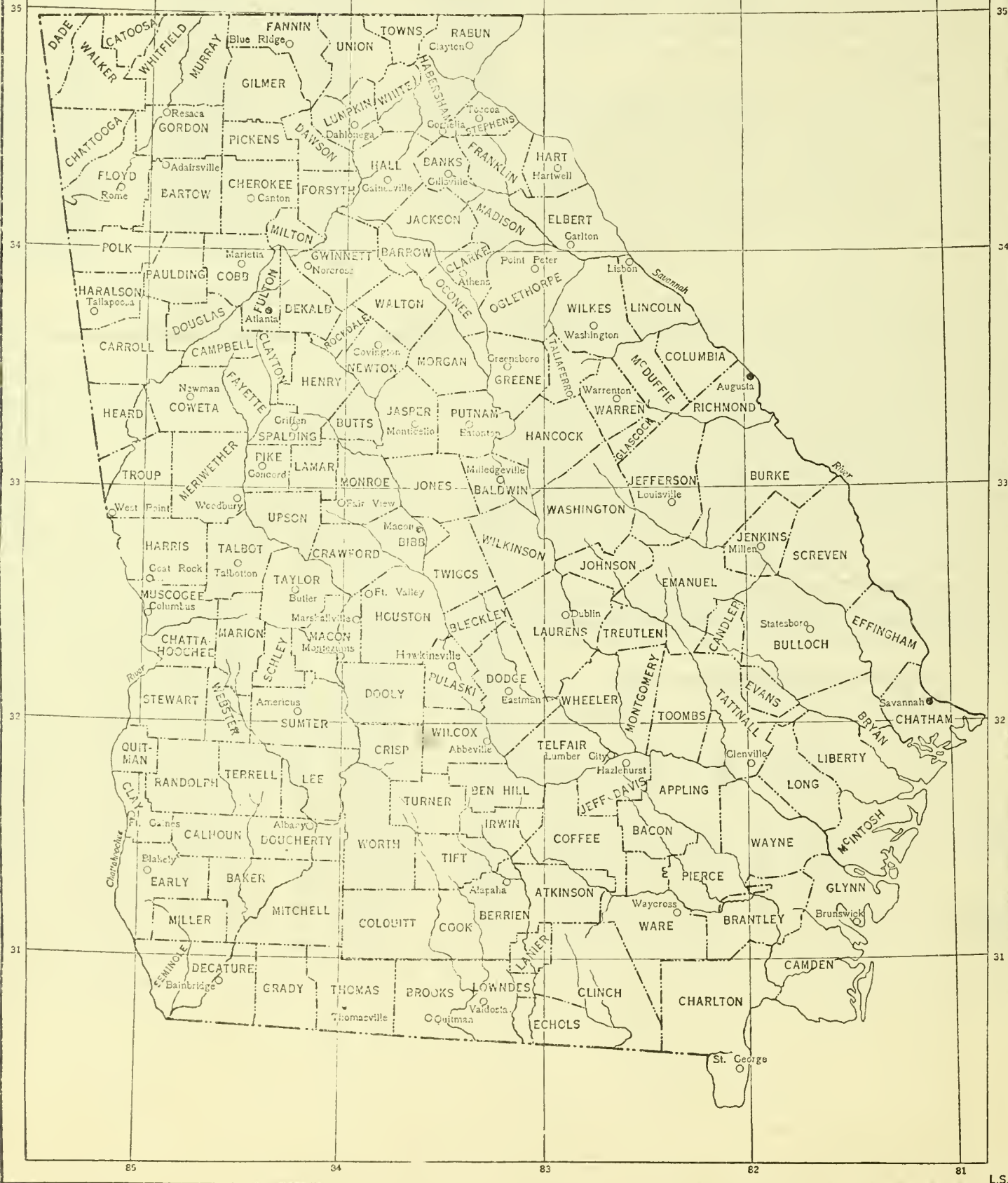
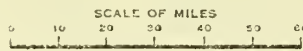
* Latest date with temperature 32° or below
† Earliest date with temperature 32° or below.

ANNUAL CLIMATOLOGICAL DATA FOR THE STATE

Year	Temperature				Precipitation			Number days or more rain	Number clear days	Number partly cloudy days	Number cloudy days	Prevailing wind direction
	Mean	Departure from normal	Maximum	Minimum	Average	Departure from normal	Number days					
1892	62.8	-1.1	102	9	51.12	+1.03	96	152	104	110		
1893	63.3	-0.6	108	-1	40.29	-9.80	86	169	107	89	nw.	
1894	64.0	+0.1	104	0	49.75	-0.34	94	157	123	85	nw.	
1895	62.2	-1.7	102	-5	49.57	-0.52	96	154	117	94	nw.	
1896	64.5	+0.6	108	-3	45.15	-4.94	81	176	113	77	nw.	
1897	64.0	+0.1	107	-6	49.22	-0.86	84	154	115	96	sw.	
1898	63.9	-0.0	103	-4	53.11	+3.05	99	152	122	91	nw.	
1899	63.6	-0.3	106	-12	44.20	-5.89	91	171	110	84	sw.	
1900	63.7	-0.2	107	0	57.33	+7.24	115	141	130	94	nw.	
1901	61.6	-2.3	108	3	57.58	+7.49	113	152	123	90	sw.	
1902	63.6	+0.3	108	7	49.99	-0.10	100	136	128	101	nw.	
1903	62.6	-1.3	104	9	53.84	+3.75	100	140	116	109	nw.	
1904	62.6	-1.3	104	4	37.17	-12.92	87	183	107	76	nw.	
1905	63.2	-0.7	106	-1	51.03	+0.94	100	155	106	104	ne.	
1906	63.4	-0.5	103	11	54.60	+4.51	102	163	108	94	sw.	
1907	64.2	+0.3	106	14	48.73	-1.36	97	159	126	80	w.	
1908	64.3	+0.4	105	9	50.03	-0.06	89	169	113	84	nw.	
1909	64.0	+0.1	104	5	48.31	-1.78	91	178	112	75	w.	
1910	63.0	-0.9	105	8	43.60	-6.49	91	184	86	95	w.	
1911	65.7	+1.8	108	9	48.23	-1.86	98	167	75	123	w.	
1912	62.9	-1.0	103	0	63.02	+12.93	115	132	83	131	w.	
1913	64.0	+0.1	110	12	46.47	-3.62	97	183	79	103	w.	
1914	63.4	-0.5	109	5	45.58	-4.51	93	130	109	126	nw.	
1915	64.0	+0.1	108	16	49.63	-0.46	89	196	83	86	nw.	
1916	64.2	+0.4	103	10	43.50	-6.59	93	180	95	91	nw.	
1917	62.6	-1.3	103	0	47.41	-4.82	90	181	92	92	sw.	
1918	64.5	+0.6	106	-3	48.73	-2.68	101	163	88	116	w.	
1919	65.2	+1.3	103	2	51.91	+4.18	103	167	87	111	nw.	
1920	63.0	-0.9	105	4	59.73	+9.64	107	166	86	111	nw.	
1921	66.1	+2.2	104	20	40.94	-9.15	94	173	100	92	w.	
1922	65.7	+1.8	104	12	55.38	+3.29	113	138	94	113	nw.	
1923	61.5	-0.6	105	0	52.76	+2.67	108	159	88	118	sw.	
1924	63.1	-0.8	107	-9	54.27	+4.18	90	187	72	107	nw.	
1925	65.8	+1.9	111	0	41.00	-9.09	89	186	75	104	w.	
1926	63.9	-0.0	110	6	50.44	+0.25	104	181	81	78	106	w.
1927	66.2	+2.3	108	4	40.65	-9.44	122	177	100	88	sw.	
1928	63.6	-0.3	105	-5	59.92	+9.83	114	167	101	98	nw.	
1929	64.6	+0.7	103	7	69.83	+19.74	122	156	101	108	nw.	
1930	63.9	-0.0	109	8	46.13	-3.96	99	175	93	97	nw.	
1931	65.4	+1.5	109	11	36.75	-12.34	87	194	91	80	nw.	
1932	65.7	+1.8	108	10	56.80	+6.71	115	162	93	111	nw.	
Normals	63.9	.....	111*	-12*	50.09	.....	98	165	101	99	nw.

* Extremes. (WBO, Atlanta, 2-1-33-1250)

GEORGIA



J. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES E. MARVIN, Chief

CLIMATOLOGICAL DATA

GEORGIA SECTION

G. W. MINDLING

ANNALS, Vol. YEAR 1933

No. 13

GENERAL SUMMARY

The severe drought in the fall season in southwestern Georgia was the outstanding weather phenomenon of 1933. This not fully described in the preceding pages under "The Autumn Months."

The year was warm and dry, slightly warmer than in either the two preceding years. January, May, September, and October were especially warm, each having an average excess in temperature amounting to 3° or more. January was warmer than either of the two months preceding, November 1932 having been the coldest month of the winter season and February, which with a State average of 1.7° above normal still proved to be the coldest month of the winter of 1932-33. Only April, July, and November had average temperatures below the normal, but in each case the deficiency was less than 1°. December had an average excess of 7.2° and was warmer than the preceding month.

The precipitation average for the State was 41.91 inches, which is 7.82 inches less than the normal and the least for any year since 1925, when the average was 41.00 inches. Only 10 years drier than 1933 are indicated in the State records, which begin with 1892. The driest year was 1904, with an average of 36.75 inches.

Rainfall conditions varied greatly within the State during the year, the extremes resulting in river floods in some places in the early part of the year and unprecedented drought in southern Georgia in the autumn. The annual rainfall ranged from 35 to 45 inches over most parts of the State, but most counties and the extreme northeastern part of the State received over 50 inches, while a portion of the Savannah River area near Augusta and Lincolnton received less than 20 inches. The extremes by stations was 65.08 inches at Savannah, No. 2, and 25.95 inches at Double Branches, Lincoln County. The most and least monthly amounts recorded in the State during the year were 14.37 inches at Eastman in July and 0.03 inch at Newnan in November.

RIVER FLOODS.—Flood stages were reached or slightly exceeded in the Broad River at Carlton on February 8, in the Edgemoor at Abbeville on February 27, and in the Ogeechee at Brim on the 26th. The Chattahoochee River rose 1.2 feet above flood stage at Alaga, Ala., opposite Early County, on March 19. The Altamaha and lower Ogeechee Rivers underwent a remarkably rapid rise following the extremely heavy rainfall in that part of the State on September 5 and 6, the former rising a little above flood stage at Everett City on September 11 and the latter at Meldrim on the 6th.

TORNADOES.—A storm of tornadic character struck Brooks County in the vicinity of Barwick on January 25, causing the

death of two people and injuring several others. Property damage was estimated at \$75,000. On April 3 a tornado at Quitman destroyed 10 houses and injured a dozen or more people. On May 8 there was a storm in the vicinity of Sycamore and Cloverdale, Turner County, that was possibly of tornadic character. Several dwellings and other buildings were unroofed or otherwise mutilated.

HAILSTORMS.—Destructive hail fell on April 24 in some parts of Meriwether, Emanuel, Screven, and Grady Counties, causing much damage to gardens, tobacco shades, peaches, and various young crops. Some young pigs were reported killed by hail near Swainsboro, Emanuel County. Some destructive hail occurred May 10 in the vicinity of Fort Valley.

THE WEATHER BY MONTHS

JANUARY.—This was a remarkably warm and rather dry month, with temperatures almost continuously above normal. The period of the 17th to 24th was especially warm, with daily mean temperatures at Atlanta from 15° to 23° above the normal. Vegetation was rapidly advanced during this period, and many flowering shrubs came into full bloom. Before the end of the month pear and plum trees were blooming in the southern part of the State and peach buds were swelling in the principal peach growing area. It was a favorable month for winter truck growing, and a good deal of asparagus was shipped to market from southern sections.

FEBRUARY.—While the month averaged a little above normal in temperature, it contained a remarkably cold period with hard freezing on the 9th in every part of the State. In Atlanta the minimum temperature was the lowest for 5 years. There was much injury to truck in the southern part of the State and some damage to late varieties of peaches in the northern counties. Rainfall was plentiful and well distributed.

MARCH.—Temperatures averaged very close to the normal, and there were no unusual extremes. Precipitation was somewhat above the normal in the southwestern counties, but in other sections there was a general deficiency that increased toward the east side of the State.

APRIL.—There was a moderate deficiency in temperature and a slight excess in rainfall as compared with April averages. At the end of the month cotton planting was well advanced except in northern sections, but stands were only fair and some replanting had been found necessary. Chopping had been started in southern counties. Oats were heading well in most places, but there were some outbreaks of rust. Truck and minor crops generally were doing well.

MAY.—This was the warmest May on record since the establishment of the Climatological Service in Georgia, and was slightly warmer than June in 9 of the past 41 years. Rainfall was generally light to moderate, though quite irregularly distributed. Most of the rain occurred on the 7th or 8th and on the 27th or 28th, with a dry period between. However, the later rains were in time to prevent conditions of serious drought.

Climatological Data for the Year 1933

Stations	Counties	Elevation feet	Temperature (degrees Fahrenheit)								Precipitation (inches)							Sky				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month				Total snow fall	Number rainy days	Number				
												Month	Least monthly	Month	Month			clear days	partly cloudy days	cloudy days		
<i>Northern division</i>																						
Athens	Clarke	830	51	65.6	105	June 20	11	Feb. 9	56	35.36	6.29	Feb.	1.45	Oct.	0.0	98	156	128	81	w.	Athens	
Atlanta	Fulton	1,173	67	63.2	99	June 19	6	Feb. 9	67	35.83	5.66	Feb.	0.80	Nov.	0.0	113	132	112	121	w.	Atlanta	
Blairsville	Fulton	1,938	1	.....	.....	.....	.....	.....	1	.....	11.10	May	0.30	Nov.	0.0	.....	.....	.....	.....	.....	Blairsville
Blue Ridge	Patuxent	1,737	11	.....	.....	.....	.....	.....	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Blue Ridge
Canton	Cherokee	894	42	.....	.....	.....	.....	.....	42	39.34	6.55	Aug.	0.92	Sept.	0.0	85	.....	.....	.....	.....	Canton
Carlton Bridge	Ebert	557	33	64.0	105	June 20	10	Feb. 10	33	38.16	5.56	Feb.	0.80	Nov.	0.0	98	.....	.....	.....	.....	Carlton
Clayton	Rabun	2,300	38	.....	.....	.....	.....	.....	38	54.05	7.39	May	2.20	Oct.	0.0	59	268	21	73	.....	Clayton
Cornelia	Habersham	1,500	14	60.7	102	June 19	6	Feb. 9	14	44.29	6.84	July	1.22	Oct.	0.0	116	165	71	120	.....	Cornelia
Dalhousie	Lumpkin	1,519	41	60.6	99	June 19	5	Feb. 9	43	46.52	6.32	Aug.	1.52	Sept.	0.0	124	187	149	29	nw.	Dalhousie	
Double Branches	Litohatchee	.....	56	.....	.....	.....	.....	.....	8	25.95	4.47	Feb.	0.46	Nov.	0.0	57	.....	.....	.....	.....	Double
Grimesville	Hall	1,251	54	61.7	102	June 19	7	Feb. 9	56	35.25	4.95	July	1.26	Aug.	0.0	99	.....	.....	.....	.....	Grimesville
Gailsville	Idaho	1,052	42	.....	.....	.....	.....	.....	42	37.86	5.56	Feb.	1.42	Sept.	0.0	74	.....	.....	.....	.....	Gailsville
Hartwell	Hart	838	23	63.7	104	June 19	11	Feb. 9	23	41.13	10.38	July	0.94	Oct.	0.0	61	.....	.....	.....	.....	Hartwell
Issaquah	Gordon	657	39	.....	.....	.....	.....	.....	39	39.50	5.67	Feb.	1.19	Sept.	0.0	119	.....	.....	.....	.....	Issaquah
Jackson	Clay	617	71	63.3	103	June 30	6	Feb. 9	77	39.48	5.86	Feb.	0.87	Sept.	0.0	112	.....	.....	.....	.....	Jackson
Jay	Haralson	1,150	31	.....	.....	.....	.....	.....	34	44.97	5.96	Feb.	0.73	Sept.	0.0	88	.....	.....	.....	.....	Jay
Kennesaw	Stephens	1,650	47	.....	.....	.....	.....	.....	48	46.63	5.22	Feb.	2.74	Jan.	0.0	107	163	80	122	w.	Kennesaw
Washington	Wilkes	630	42	66.0	101	June 7	12	Feb. 9	45	33.62	5.37	Feb.	0.47	Nov.	0.0	95	200	76	89	w.	Washington	
Division means and extremes																						
			.....	62.0	105	June 20	0	Feb. 9	.....	39.66	11.10	May	0.40	Nov.	0.0	94	180	95	90	w.	.....
<i>Middle division</i>																						
Augusta	Richmond	182	87	66.9	103	June 19	18	Feb. 9	66	28.05	4.82	July	0.52	Nov.	0.0	95	130	135	100	nw.	Augusta	
Brooklet	Richmond	253	33	68.6	103	June 25	20	Feb. 9	33	41.12	12.06	Sept.	0.56	Dec.	0.0	74	216	127	22	nw.	Brooklet	
Butts	Taylor	650	47	.....	.....	.....	.....	.....	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Butts
Camden	Muscogee	262	45	67.7	105	June 19	14	Feb. 9	45	42.25	8.09	July	0.40	Nov.	0.0	96	.....	.....	.....	.....	Camden
Conover	Wilkes	850	21	.....	.....	.....	.....	.....	21	39.48	6.22	Feb.	0.76	Nov.	0.0	104	208	70	87	sw.	Conover
Covington	Newton	747	41	64.5	103	June 20	10	Feb. 9	41	32.69	5.89	Feb.	1.10	Sept.	0.0	63	.....	.....	.....	.....	Covington
Douglas	Sevier	.....	3	.....	.....	.....	.....	.....	3	50.21	13.65	Sept.	0.42	Dec.	0.0	88	.....	.....	.....	.....	Douglas
Dublin	Laurens	234	21	.....	.....	.....	.....	.....	21	46.07	7.02	July	0.73	Nov.	0.0	99	155	118	92	w.	Dublin
East Point	Lumpkin	17	17	64.9	101	June 7	10	Feb. 9	17	41.36	6.89	July	0.94	Dec.	0.0	102	.....	.....	.....	.....	East Point
Fort Valley	Polk	596	12	66.3	101	June 19	12	Feb. 9	12	40.48	7.50	Feb.	1.01	Nov.	0.0	102	176	161	88	w.	Fort Valley	
Goneville	Muscogee	415	19	.....	.....	.....	.....	.....	19	34.67	6.57	July	0.43	June	0.0	88	.....	.....	.....	.....	Goneville
Greensboro	Greene	598	31	63.7	102	June 20	9	Feb. 9	31	32.45	4.59	Feb.	0.52	Nov.	0.0	85	232	41	89	w.	Greensboro	
Hartsville	Spalding	975	43	64.2	99	June 19	6	Feb. 9	43	39.03	5.22	Feb.	0.99	Nov.	0.0	86	180	99	86	w.	Hartsville	
Louisville	Jefferson	259	35	67.6	103	June 20	15	Feb. 9	35	38.93	7.33	Feb.	0.66	Nov.	0.0	87	.....	.....	.....	.....	Louisville
Macon	Bibb	370	52	65.9	100	June 7	13	Feb. 9	55	34.89	6.50	Feb.	1.66	Nov.	0.0	113	125	114	126	nw.	Macon	
Marshallville	Macon	506	39	66.5	103	June 19	14	Feb. 9	40	43.21	6.84	Feb.	0.59	Nov.	0.0	75	.....	.....	.....	.....	Marshallville
Midville	Burke	.....	3	.....	.....	.....	.....	.....	3	44.02	8.03	July	1.01	Dec.	0.0	93	.....	.....	.....	.....	Midville
Mountain Home	Baldwin	276	45	65.5	102	June 7	11	Feb. 9	44	42.65	6.03	Feb.	0.90	Nov.	0.0	89	173	146	46	sw.	Mountain Home	
Monticello	Jenkins	158	45	68.5	101	June 20	18	Feb. 9	46	40.15	6.79	Feb.	0.63	Nov.	0.0	89	.....	.....	.....	.....	Monticello
Newman	Jasper	800	38	65.5	102	June 7	11	Feb. 9	37	36.21	5.05	Feb.	1.67	Nov.	0.0	81	198	93	74	nw.	Newman	
Newton	Coweta	959	44	.....	.....	.....	.....	.....	44	38.32	7.28	Feb.	0.03	Nov.	0.0	104	228	93	104	nw.	Newton
Sparta	Hancock	.....	3	.....	.....	.....	.....	.....	3	33.91	5.84	Feb.	0.82	Nov.	0.0	75	.....	.....	.....	.....	Sparta
Stillmore	Effingham	257	8	.....	.....	.....	.....	.....	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Stillmore
Taborton	Fulton	750	29	.....	.....	.....	.....	.....	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Taborton
Warrenton	Warren	560	36	.....	.....	.....	.....	.....	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Warrenton
West Point	Troup	626	43	68.2	104	June 19	11	Feb. 9	41	42.86	6.24	Apr.	0.68	May	0.0	114	177	150	38	sw.	West Point	
Woodbury	Morristown	611	32	.....	.....	.....	.....	.....	32	42.90	6.52	Sept.	0.87	Dec.	0.0	91	147	44	174	n.	Woodbury
Division means and extremes																						
			.....	66.1	105	June 19	6	Feb. 9	.....	40.12	13.65	Sept.	0.03	Nov.	0.0	90	176	103	86	w.	.....
<i>Southern division</i>																						
Abbeville	Wilkes	180	30	.....	.....	.....	.....	.....	30	42.48	12.89	July	0.30	Oct.	0.0	91	.....	.....	.....	.....	Abbeville
Alapaha	Berrien	293	44	69.0	100	June 19	18	Feb. 9	44	37.88	6.85	Feb.	0.75	Nov.	0.0	96	.....	.....	.....	.....	Alapaha
Albany	Dougherty	230	46	69.1	102	June 19	17	Feb. 9	47	39.75	6.29	July	0.55	Oct.	0.0	98	278	33	54	nw.	Albany	
Americus	Suwanee	362	48	68.0	102	June 30	14	Feb. 9	49	43.58	6.63	Feb.	0.34	Nov.	0.0	83	256	72	37	e.	Americus	
Barbourville	DeKalb	119	41	68.7	106	June 19	19	Feb. 9	41	44.74	8.98	Apr.	0.97	Oct.	0.0	111	.....	.....	.....	.....	Barbourville
Blakely	Early	365	47	68.4	107	June 19	13	Feb. 9	39	45.13	8.24	Apr.	0.24	Oct.	0.0	112	145	129	91	sw.	Blakely	
Brantley	Glynn	14	28	69.5	98	June 5	23	Feb. 9	31	53.59	10.73	Sept.	0.51	Dec.	0.0	105	222	69	74	se.	Brantley	
Darien	McIntosh	.....	2	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Darien
Eastman	Dodge	261	41	68.3	108	June 20	15	Feb. 9	41	48.40	14.37	July	0.68	Nov.	0.0	87	248	74	43	s.	Eastman	
Farlow	Clay	116	5	68.3	109	June 20	21	Feb. 9	5	41.19	6.40	Feb.	0.19	Oct.	0.0	99	.....	.....	.....	.....	Farlow
Fitzgerald	Ben Hill	515	16	68.7	100	June 19	15	Feb. 9	17	41.19	6.80	Sept.	0.85	Oct.	0.0	71	.....	.....	.....	.....	Fitzgerald
Fort Gaines	Clay	166	45	.....	.....	.....	.....	.....	45	45.98	8.33	Apr.	0.40	Oct.	0.0	85	.....	.....	.....	.....	Fort Gaines
Georgetown	Tattnall	179	25	.....	.....	.....	.....	.....	25	44.80	9.27	Sept.	0.60	Nov.	0.0	94	123	180	62	s.	Georgetown
Hawkinsville	Pulaski	235	37	67.6	106	June 20	15	Feb. 9	35	40.75	8.55	July	0.58	Nov.	0.0	103	184	47	134	w.	Hawkinsville	
Hazlehurst	Jeff Davis	261	14	69.6	105	July 3	18	Feb. 9	14	45.59	9.18	Sept.	0.57	Oct.	0.0	102	212	11				

Monthly and Annual Precipitation for the Year 1933, with Departures from the Normal

Table with columns for Stations, January, February, March, April, May, June, July, August, September, October, November, December, and Annual. Each month column contains Precipitation and Departure values. The table is organized into three divisions: Northern, Middle, and Southern.

Monthly and Annual Average Temperatures for the Year 1933, with Departures from the Normal

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual		
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	
<i>Northern division</i>																											
Atlanta	51.8	+8.9	47.4	+2.0	55.2	+2.4	61.8	+0.6	76.2	+6.3	81.1	+5.6	80.7	+1.3	81.0	+2.7	80.0	+6.5	66.2	+3.9	53.8	+1.9	52.6	+8.2	65.6	+4.0	
Atlanta	50.2	+7.6	44.3	-1.0	52.4	+0.4	59.6	-1.4	74.1	+4.2	78.0	+2.0	77.4	-0.7	77.4	+0.4	77.6	+5.2	63.8	+0.8	51.6	-0.5	51.9	+7.2	63.2	+2.0	
Atlanta			40.0		45.7		53.7				71.7		72.6		73.0		70.5		55.5		45.9		47.6				
Atlanta																	73.2		+3.1	59.4		+1.2	46.3		-1.2	47.6	
Atlanta	50.0	+6.3	46.5	+1.3	53.1	-0.1	60.6	-0.2	75.2	+5.2	79.3	+2.5	78.8	-0.3	79.8	+1.8	77.0	+3.6	64.3	+2.6	50.8	-1.2	51.8	+7.0	64.0	+2.4	
Chickamauga	54.1	+3.8	38.8	-2.6	45.2	-4.1	52.5	-4.2	65.1	+0.3			70.4	-3.9	70.6	-2.9	68.2	-0.4	57.9	-0.2	44.1	-2.9	44.9	+4.1			
Cordele	46.5	+2.6	42.2	-3.3	49.2	-0.7	57.2	-2.4	70.8	+3.3	76.2	+1.5	75.8	-1.2	75.4	-0.1	74.7	+2.3	61.2	+0.6	50.0	-0.3	48.8	+4.2	60.7	+0.7	
Dalhousie	47.1	+5.9	43.5	+0.8	50.6	-0.2	57.3	-1.3	70.0	+3.7	75.6	+2.3	75.2	-0.6	75.0	+0.1	74.3	+3.8	59.8	+0.1	49.0	-0.7	49.7	+7.5	60.6	+1.8	
Dalhousie	48.4	+7.0	43.7	+0.5	51.2	-0.2	57.6	-1.8	71.4	+3.5	77.2	+2.4	76.2	-1.5	76.9	+0.6	75.7	+4.2	61.8	+1.1	50.0	-0.2	50.5	+7.8	61.7	+1.9	
Hartwell	49.7	+6.1	46.4	+1.0	52.0	-0.2	59.6	-1.3	73.6	+4.0	79.4	+2.6	78.3	-1.0	78.9	+0.5	77.0	+3.1	64.0	+1.4	52.8	+0.9	51.2	+6.9	63.7	+2.0	
Home	49.3	+7.1	44.4	-0.3	52.3	-0.4	60.4	+0.3	73.6	+4.0	78.4	+1.7	79.7	+0.2	78.8	+0.2	78.2	+4.6	62.8	+0.5	50.5	-0.2	51.6	+8.4	63.3	+2.1	
Tallahassee	48.2	+5.6	44.0	+0.1	51.8	-1.1	57.7	-2.3	71.4	+2.8	75.8	+0.1	76.8	-1.3	78.2	+0.8	74.5	+1.1			49.4	-1.6	51.4	+8.2			
Tallahassee	46.7	+4.3	42.0	-0.9	49.8	-2.2	56.4	-3.9			77.7	+2.2	76.8	-1.3	76.8	-0.1	74.6	+2.6	61.2	+0.1	51.6	+0.7					
Washington	52.5	+7.5	48.6	+2.3	55.6	+0.4	62.0	-0.2	76.8	+5.4	80.4	+2.4	80.2	0.0	81.0	+1.7	79.8	+5.1	66.6	+3.2	54.4	-0.3	53.9	+8.6	66.0	+3.0	
<i>Middle division</i>																											
Augusta	53.8	+6.8	50.4	+0.5	57.6	+1.6	63.9	-0.3	77.8	+5.4	81.0	+2.3	80.4	-0.9	81.5	+1.1	79.8	+4.5	66.6	+1.3	54.1	-0.4	55.4	+7.3	66.9	+2.5	
Brooklet	50.1	+6.3	47.0	+3.3	59.6	+0.2	65.4	-0.7	79.6	+5.6	80.8	+0.8	81.1	-0.8	82.4	+1.1	80.0	+2.7	68.5	+0.8	56.5	-1.0	58.2	+7.6	68.6	+2.2	
Columbus	53.8	+6.8		+0.9	58.6	+0.4	64.3	-2.2	79.5	+6.2	81.9	+2.0	80.9	-0.6	82.0	+1.9	80.5	+3.2	68.4	+1.7	54.7	-1.1	56.3	+7.2	67.7	+2.2	
Covington	51.2	+7.6	47.6	+4.4	54.2	-0.8	60.8	-0.1	75.3	+4.8	79.0	+1.7	78.7	-1.2	79.8	+1.2	78.2	+4.0	65.0	+2.8	52.0	-0.7	52.6	+7.8	64.5	+2.6	
Dublin	51.0	+5.0	51.9	+0.7	56.6	-0.5	64.1	-1.3	78.0	+5.4	79.6	+0.5	80.2	-0.9	80.9	+0.6	79.0	+2.4	67.6	+1.3			57.0	+7.1			
Fair View	52.2	+5.4	48.4	-1.3	55.7	+0.1	61.0	-2.4	75.1	+4.7	78.2	+0.6	77.8	-1.6	79.0	+0.5	77.4	+2.5	65.7	+1.2	53.4	-1.0	55.0	+7.7	64.9	+1.4	
Fort Valley	52.5	+4.6	49.6	-2.6	57.0	-0.2	63.2	-2.5	78.0	+6.0	80.0	+1.2	79.5	-1.1	80.8	+0.7	78.6	+0.8	67.0	+1.0	53.8	-2.4	55.8	+5.4	66.3	+1.0	
Greensboro	49.4	+4.5	46.9	-0.9	53.0	-1.8	59.2	-3.0	74.2	+3.7	79.1	+1.6	78.4	-1.4	79.0	+0.2	77.2	+2.5	64.4	+1.1	51.4	-1.8	52.6	+6.9	63.7	+1.1	
Greenville	51.6	+6.4	47.5	-0.1	54.8	-0.2	60.6	-2.7	74.0	+2.9	77.6	-0.2	77.2	-2.7	78.3	+0.7	77.0	+2.0	64.5	+0.3	52.6	-1.5	54.6	+8.0	64.2	+0.9	
Louisville	54.2	+6.9	51.5	+2.5	57.5	+0.5	63.8	-0.1	77.4	+4.6	80.2	+1.3	80.4	-0.1	81.2	+1.2	79.0	+3.4	67.2	+4.2	54.6	-1.6	56.4	+8.5	67.0	+2.7	
Macon	53.4	+6.6	49.2	-0.1	56.8	+0.1	63.0	-0.9	76.9	+4.6	79.2	+0.3	78.8	-2.4	80.1	+0.2	78.4	+3.6	66.4	+1.9	53.6	-0.6	55.5	+8.0	65.9	+1.8	
Marshfield	52.9	+4.8	50.9	+0.9	56.9	-1.2	63.2	-1.8	78.0	+4.8	80.0	+0.7	79.4	-1.5	80.6	+0.1	78.0	+1.2	68.0	+2.0	54.1	-1.6	56.2	+7.5	66.6	+1.3	
Milledgeville	51.4	+4.5	48.4	-0.1	55.6	-0.7	61.7	-2.2	77.4	+5.1	80.2	+1.4	79.8	-1.2	80.8	+0.6	78.8	+3.0	66.0	+1.6	52.1	-2.0	53.6	+6.5	65.5	+1.5	
Millen	55.2	+6.8	51.6	+3.9	59.3	+1.3	65.4	+0.3	79.0	+5.8	81.2	+1.7	82.0	+0.5	83.6	+2.7	81.4	+4.9	68.1	+2.2	55.4	-0.3	57.6	+8.7	68.5	+3.2	
Monticello	51.8	+7.0	47.3	+0.1	55.6	+0.5	61.8	-1.2	76.2	+4.7	79.2	+0.9	79.4	-0.7	80.7	+1.3	79.4	+4.2	66.6	+2.9	53.6	+0.2	54.2	+8.1	65.5	+2.3	
Newman	51.8	+7.3	45.6	-0.5	54.0	-0.7	61.6	-0.3			78.8	+1.1	78.7	-1.0	79.2	+0.4	77.1	+2.9					52.3	+7.1			
Shiloh	55.6		54.2		58.0		64.4		77.8		79.6		80.6		81.0		80.6		66.8		53.4		58.2				
Talbotton	54.2	+7.2	50.0	+1.3	55.7	-1.1	63.8	+0.3			80.8	+0.6	80.6	+1.0			80.6	+1.8	66.8	+1.8	53.4	-1.3	53.5	+5.8			
Warrenton	52.4	+6.2	49.2	+1.6	56.2	+0.3	62.4	-0.6	76.1	+4.5	79.8	+1.6	79.8	-0.6	80.4	+0.8	78.4	+3.4	65.1	+1.2	53.4	-0.6	55.0	+8.3	65.7	+2.2	
West Point	51.4	+6.2	47.6	+0.4	55.4	-0.3	61.9	-1.2	76.4	+6.0	79.2	+0.7	79.2	-1.3	80.6	+0.6	78.6	+3.5	65.4	+1.4	53.1	-0.3	53.0	+7.2	65.2	+1.9	
<i>Southern division</i>																											
Alabaha	53.6	+7.1	55.0	+2.7	60.4	+0.5	65.6	-1.1	78.7	+4.7	79.6	-0.2	80.3	-1.1	81.0	0.0	80.3	+2.9	69.8	+2.3	57.4	-1.4	60.8	+9.5	69.0	+2.3	
Albany	51.9	+6.8	51.2	+1.8	60.2	0.0	65.8	-1.2	79.6	+5.1	80.8	+0.1	81.4	-0.7	82.0	+0.4	81.0	+3.0	70.6	+0.7	57.0	-0.9	59.6	+8.5	69.1	+2.1	
Vanderbilt	51.8	+6.3	52.4	+1.1	58.6	+0.3	61.6	-0.7	79.4	+6.0	80.4	+0.5	80.2	-1.2	81.8	+1.0	81.2	+4.3	70.4	+3.7	56.0	-0.1	56.2	+7.0	68.0	+2.4	
Warhatch	56.0	+4.7	53.6	+0.6	60.0	-1.4	65.8	-2.0	78.8	+4.1	80.4	-0.1	81.6	-0.2	81.1	-0.4	79.9	+1.6	70.1	+2.1	56.5	-1.7	58.8	+6.9	68.7	+1.2	
Waycross	55.6	+5.1	52.8	+0.2	59.2	-0.9	65.1	-1.3	78.8	+5.0	79.5	-0.5	80.0	-0.2	81.0	0.0	81.3	+3.5	70.6	+3.3	57.8	+0.3	59.2	+8.1	68.4	+1.8	
Waycross	57.7	+4.2	57.0	+2.2	60.4	-0.8	66.4	-1.3	78.5	+4.1	79.1	-1.7	80.8	-1.8	81.9	+0.2	81.6	+3.2	70.6	+0.3	59.0	-1.6	60.8	+5.8	69.5	+1.1	
Waycross	58.4		57.8				64.8		77.6		78.6										59.0						
Waycross	55.7	+5.7	54.7	+1.2	55.5	-0.9	64.5	-1.8	79.4	+5.5	81.8	+1.7	81.0	-0.8	82.5	+1.5	80.6	+3.3	68.4	+1.4	56.8	-0.3	58.0	+7.7	68.5	+2.0	
Waycross	58.3		58.5		60.2		64.2		77.9		78.1		80.4		81.0		79.8		70.4		52.5		59.2		68.3		
Waycross	56.8	+7.0	54.0	+3.3	59.9	+1.5	65.6	+0.5	79.2	+5.0	80.5	+0.8	80.8	-1.1	81.2	+0.2	80.6	+3.3	69.1	+2.2	57.5	-0.2	59.6	+7.5	68.7	+2.1	
Waycross	59.0	+6.6			59.4	+0.3	65.4	-0.4	78.2	+4.6	80.5	+0.7	79.8	-1.5	79.4	-1.2	78.6	+1.5	68.2	+1.3	56.0	-1.0	58.0	+7.5			
Waycross	56.0	+4.2	54.8	+0.9	58.6	-1.5	64.0	-2.9	77.0	+2.9					79.9	-1.2	79.4	+1.7	68.9	+0.7	57.8	-0.5	59.2	+7.2			
Waycross	55.0	+6.7	52.0	+1.6	58.4	-0.2	64.0	-1.2	78.1	+4.7	81.0	+1.4	80.6	-0.7	81.8	+0.9	80.0	+									



[Continued from page 49]

the end of the month the condition of the principal crops generally good, and owing to the unusually warm weather...

DECEMBER.—There were no features of special interest aside from the fact that the month was moderately warm with a considerable deficiency in rainfall.

JULY.—It was just a little cooler than most Julys, and the amount of rainfall was quite near normal, except in the northern division where there was a moderate deficiency.

AUGUST.—Temperature averaged slightly higher than in August in most years throughout the State, while the rainfall was below the normal at a great majority of stations.

SEPTEMBER.—The outstanding features were the excessive heat of the 5th and 6th in the southeastern counties and the most constant excess in temperature.

OCTOBER.—This month was warm and dry. So far as could be ascertained, it was free from destructive winds and severe local frosts throughout the State.

NOVEMBER.—The most important feature was the very serious drought in southwestern Georgia. Dry weather had set in about October 9 or 10, after which most parts of the State had few rains of any consequence until December 6.

8,000 square miles in the southwestern section. Pastures dried up; gardens and truck crops withered; fall seeding was useless; farmers were forced to pump or haul water for their livestock; fires broke out and spread over great areas in the forests.

DECEMBER.—December was very warm as well as very dry. It was the warmest December during a period of 43 years with the single exception of 1931. The average rainfall was the least for any December in Georgia since 1917.

KILLING FROSTS

Table with columns: Stations, Last in spring, First in autumn, Stations, Last in spring, First in autumn. Divided into Northern, Middle, and Southern divisions.

* Latest date with temperature 32° or below.
† Earliest date with temperature 32° or below.

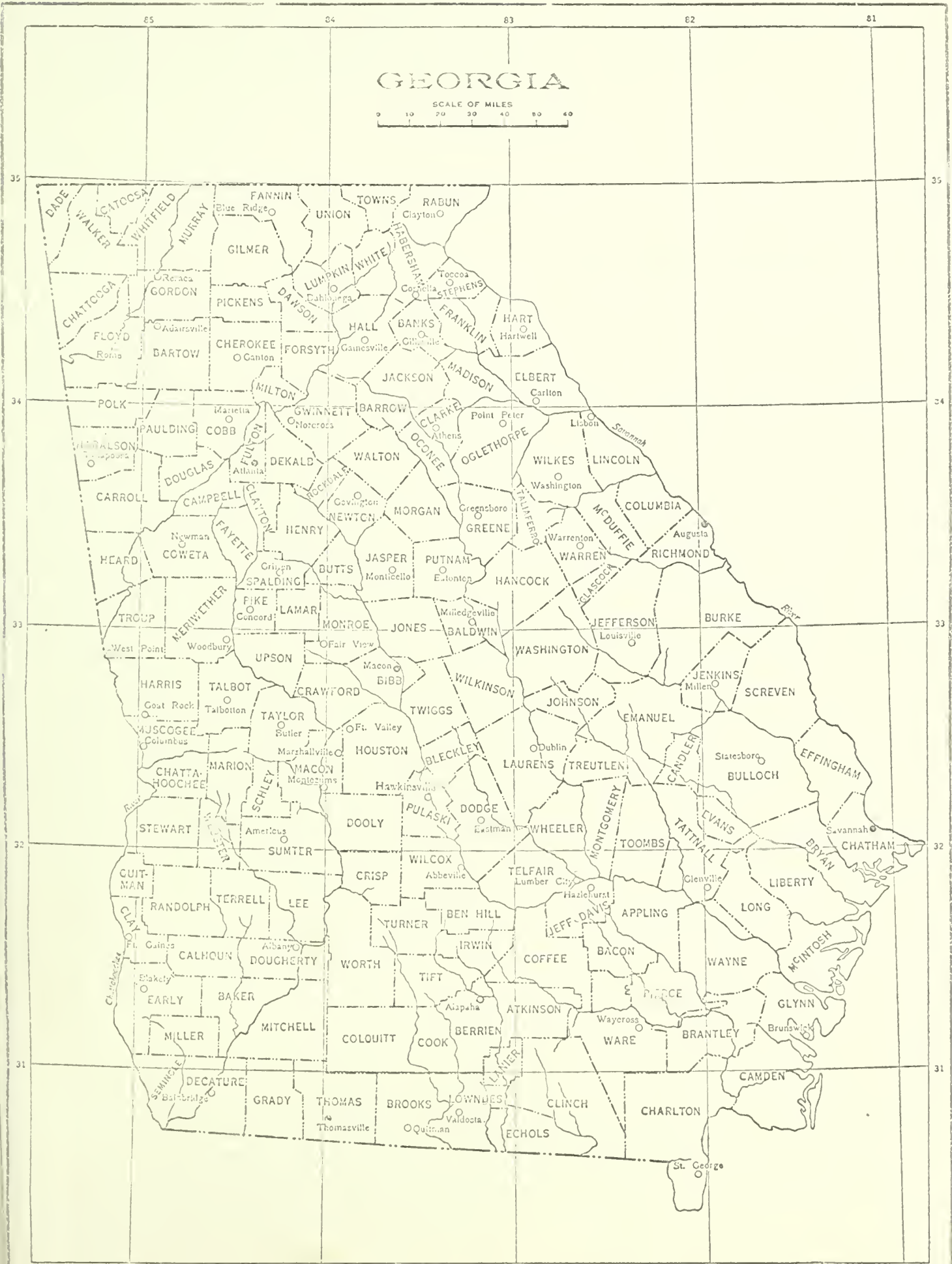
ANNUAL CLIMATOLOGICAL DATA FOR THE STATE

Large table with columns: Year, Temperature (Mean, Departure, Highest, Lowest), Precipitation (Average, Departure, Greatest annual, Least annual), Number of days (Average snowfall, Precip. 40 or more, Clear, Pt. cloudy, Cloudy).

MONTHLY STATE DATA FOR 1933

Table with columns: Month, Temperature (Mean, Departure from normal, Maximum, Minimum, Average), Precipitation (Average, Departure from normal, Greatest, Least), No. days with 0.1 inch or more.

COPY





CLIMATOLOGICAL DATA

GEORGIA SECTION

G. W. MINDLING

XXXVIII ATLANTA, GA., YEAR 1934

No. 13

GENERAL SUMMARY

The year was quite normal in temperature and rainfall. Extended cold periods in February, March, and November were largely compensated for in other months, and the summer season of June, July, and August gave the highest average for any summer on record in Georgia with the single exception of the summer of 1925. Still, the highest temperatures recorded during the year at the different stations are by no means unusual, not reaching 100° at many places in the mid- and southern sections of the State.

The average rainfall for the State was 47.60 inches, which is only more than 2 inches below the 43-year mean. Locally the rainfall of the year ranged from a total of 75.16 inches at Dalton to 34.21 inches at Apopka. Some sections were adversely affected by excessive rains in April, May, or June, and suffered drought in the latter half of the year, as indicated elsewhere in this report. But, considering the State as a whole, the year can not be regarded as being much out of the ordinary with respect to harmful weather conditions.

The occurrence of river floods, damaging hail, and destructive local storms has been summarized in separate paragraphs of the appropriate months.

THE WEATHER BY MONTHS

JANUARY.—This month was rather dry and warm on the whole, though it closed with a cold wave of unusual severity that set a new low temperature record for the State for January with a reading of -10° at Blairsville on the 30th. There was freezing on at least two mornings in all parts of Georgia, the temperature reaching 26° even at Brunswick. Considerable injury resulted to oats and wheat in the northern part of the State, owing to the lack of snow cover during the time of the cold wave, and to the truck crops in the southern counties.

FEBRUARY.—The greatest monthly temperature deficiency of the year occurred in February, when the State average was 4° below normal. It was the coldest February in Georgia since 1912 and the coldest month in the State since December, 1930. The low average temperature resulted from unusually prolonged steady cold rather than from any exceptionally severe days. The precipitation was slightly below normal.

Hail occurred extensively in north Georgia on the 10th, leaving a cover of 4 inches at Resaca, Atlanta, and Milledgeville, 7.5 inches at Canton, and 8 inches at Athens. Soft snow were observed as far south as Brunswick and Savannah. Severe tornadoes and destructive winds occurred on the afternoon of the 25th at several places in western Georgia. 10 houses were reported demolished at Bowdon, Carroll County, 2 persons were killed in a tornado a few miles farther west; similar or more violent destruction occurred near Dalton, Henry County.

MARCH.—There was a well marked warm period extending from the 2d through the 8th. The coldest weather came on the 11th or 12th, when freezing temperatures occurred at all stations in the State. The precipitation was above the normal at a great majority of the stations, and more than half of it came in the storm of the 2d-4th. This storm produced from 2 to 5 inches of rain over most of the State. Rivers rose rapidly in consequence, but stopped short of flood stages at most places because they had been comparatively low just before these heavy rains fell. However, flood stages were exceeded by about 1 to 6 feet at Canton, Resaca, Rome, Milledgeville, Abbeville, Dover, and Everett City.

APRIL.—During the first two weeks there was little rain, and farm work made good progress. Later on there were frequent heavy rains which delayed planting in large areas in the northern and central sections. Besides, there were cool spells, which, together with an excess of moisture in the soil, caused poor germination and slow growth of many crops. Much corn and cotton and some peanuts had to be replanted.

MAY.—Again there was comparatively light rainfall during the first two weeks, followed by heavy and more frequent precipitation. May had a greater average rainfall than any other month of the year. Damaging washouts occurred in many places. The prevalence of so much cloudy and damp, showery weather, even where excessive rainfall did not occur, promoted the rapid growth of weeds and favored the activity of some insect pests, hindered the digging of potatoes, and was otherwise unfavorable to farmers. In southern counties tobacco plants were badly beaten down and damaged by heavy rains, and extended areas of crops on low ground were flooded. Destructive hail occurred on the 22d in or near Fort Valley, Bainbridge, and Albany.

JUNE.—Frequent and heavy showers continued through the first week, especially in the northern and middle divisions of the State. From about 4 to 9 inches of rain occurred within 2 days in many places. Large tracts of cotton and corn on low ground were completely ruined because the soil was flooded and remained saturated with water so long. Damaging hail occurred at many places on the 1st, especially near Macon and in the counties of Hall, Hancock, Lumpkin, and Habersham. Peach orchards near Macon were badly damaged, while in other sections there was extensive cutting down of cotton, corn, wheat, and vegetables. The loss in Hall County alone from hail and washouts was estimated at about \$100,000.

JULY.—The greater part of the State had as much rain as was needed, but there was a large area in eastern Georgia where it had become too dry even for cotton by the 20th. The region affected extended from a little north of Augusta southward to about Brunswick and westward as far as Macon. However, this condition was somewhat relieved after the 28th. A few severe local storms were reported, one near Dublin which wrecked a church building on the 15th imprisoning a group of 35 people so that the roof had to be raised to release them.

(Continued on page 53.)



Climatological Data for the Year 1934

Table with columns for Station, Conditions, Elevation, Temperature (degrees Fahrenheit), Precipitation (inches), and Sky. Rows include various Georgia locations like Athens, Atlanta, Columbus, etc., with their respective climate data for 1934.

* On other dates also.

* In December also.





Monthly and Annual-Average Temperatures for the Year 1934, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
<i>Northern division</i>																										
Atlanta	47.7	+1.5	47.1	-3.8	51.6	-1.1	57.0	+0.8	70.2	+0.3	79.2	+2.3	81.6	2.2	79.6	+1.3	74.2	+0.7	68.0	+0.7	54.8	+2.9	43.8	-0.6	62.4	+0.8
Atlanta	47.2	+2.6	49.0	-5.3	50.4	-1.6	60.0	-0.4	69.0	-0.9	78.0	+2.0	80.9	+1.9	78.4	+1.4	73.8	+1.4	64.1	+1.1	51.0	+1.9	41.4	-3.3	61.2	0.0
Bharts	41.8	.....	.....	.....	.....	.....	55.0	.....	64.7	.....	73.6	.....	80.2	.....	88.2	.....	88.2	.....	60.4	.....	50.4	.....	.....	.....	.....	.....
Blue Ridge	.....	.....	35.2	-5.6	.....	.....	.....	.....	67.0	.....	73.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Carters Bridge	46.2	+2.5	38.7	-6.5	50.3	-2.9	62.2	+1.4	68.9	-1.1	79.8	+5.0	82.6	+3.5	81.4	+3.4	76.4	+3.0	62.8	+0.5	53.8	+1.8	42.8	-2.0	62.2	+0.6
Claxton	35.1	-4.8	.....	-8.6	41.4	-4.6	51.2	-2.4	63.7	-1.1	72.2	+0.7	76.7	+2.4	74.2	+0.7	68.2	-0.4	59.0	+1.0	49.6	+1.6	30.4	-0.4	56.0	-1.2
Cornelia	43.3	-0.6	48.5	-7.2	48.0	-1.9	59.0	-0.6	67.5	+1.0	75.6	+0.9	79.8	+2.5	77.6	+2.1	72.1	-0.3	60.7	-0.1	51.5	+1.2	40.8	-3.8	59.5	-0.5
Dalhousie	45.9	-2.7	38.0	-7.7	48.6	-2.9	58.8	+0.3	67.5	+1.2	74.7	+1.4	78.6	+2.8	75.3	+1.5	71.6	+0.5	60.2	+0.5	51.6	+1.9	40.6	-1.6	59.2	+0.4
Graineyville	41.9	-2.1	38.6	-4.8	48.6	-2.6	58.6	-0.8	67.6	-0.2	76.5	+1.6	80.2	+2.5	78.0	+1.5	72.6	+1.1	61.6	+0.9	51.6	+1.4	41.0	-1.7	59.5	+0.1
Hartwell near	45.7	+1.8	49.3	-5.3	49.6	-3.3	61.0	+0.1	68.4	-1.6	78.4	+1.5	80.9	+1.6	78.9	+0.5	75.4	+1.5	62.4	-0.2	55.0	+3.1	43.4	-0.9	61.6	-0.1
<i>Mid-Georgia division</i>																										
Atlanta	49.7	-2.7	43.9	-6.0	54.3	-1.7	64.4	+0.4	70.8	-1.6	80.8	+2.1	83.6	+2.3	81.7	+1.3	78.0	+2.7	66.0	+0.7	57.6	+3.1	46.6	-1.5	64.8	+0.4
Brooklet	53.6	-1.0	47.8	-3.9	57.5	-1.5	67.0	+1.0	72.5	-1.5	81.6	+1.7	84.6	+2.7	82.0	+0.7	78.1	+0.8	68.2	+0.9	60.0	+2.5	50.2	-0.4	67.0	+0.6
Colquhoun	50.4	-2.7	46.9	-3.9	56.0	-2.2	65.9	+0.5	73.6	+0.4	82.2	+3.3	83.8	+2.3	81.8	+0.7	77.2	-0.1	67.4	+0.7	57.3	+1.5	46.7	-2.4	55.7	+0.2
Covington	47.0	+3.4	41.4	-2.5	51.2	-3.5	62.1	+1.2	69.0	-1.4	78.0	+0.6	81.9	+2.0	80.5	+1.9	75.4	+1.2	63.6	+1.4	54.9	+2.2	42.4	-2.4	62.2	+0.3
Dublin	54.5	+3.7	45.6	-2.6	56.2	-0.7	66.0	+0.7	71.2	-1.3	80.2	+1.0	83.0	+1.9	82.0	+1.7	77.1	+0.8	66.8	+0.5	58.0	+2.3	48.1	-1.8	65.5	+0.2
Fort View	48.0	-1.3	43.1	-6.2	52.7	-0.8	63.2	0.0	69.7	-0.7	78.6	+1.0	81.5	+2.1	79.6	+1.1	75.0	+0.1	65.0	+0.5	56.6	+2.2	45.4	-1.9	63.2	-0.3
Fort Valley	49.0	-0.8	41.0	-8.5	55.3	-0.9	65.5	+0.2	71.6	-0.1	80.2	+1.2	83.1	+2.5	81.3	+1.2	76.0	-1.7	65.6	-0.4	57.0	+0.8	45.4	-2.1	64.7	-0.8
Georgetown	46.4	+1.4	49.0	-6.9	.....	.....	61.6	-0.5	69.2	-1.2	79.1	+1.6	81.8	+2.0	79.6	+0.8	75.3	+0.6	63.4	+0.1	54.0	+0.8	42.5	-3.2	.....	.....
Griffin	46.6	+0.8	42.2	-5.8	51.8	-3.7	61.4	-1.8	68.4	-2.6	78.6	+0.8	81.2	+1.3	80.6	+1.0	76.0	+1.0	66.2	+2.0	57.8	+3.7	45.2	-1.4	63.0	-0.3
Thomasville	49.8	+2.5	44.4	-4.6	55.5	-1.5	65.8	+1.9	70.4	-2.4	80.6	+1.7	84.0	+3.5	82.0	+2.0	77.8	+2.2	66.4	+3.4	58.1	+1.9	46.9	-1.0	65.1	+0.8
Macon	49.8	-3.0	41.0	-5.3	51.0	-2.7	64.3	+0.1	70.9	-1.4	79.8	+0.9	83.6	+1.8	80.9	+1.0	76.0	+1.2	66.1	+1.6	57.2	+3.1	45.8	-1.7	64.3	+0.1
Marshallville	49.1	-1.0	41.1	-5.9	56.9	-2.1	65.2	+0.2	71.4	-1.8	80.6	+1.3	82.3	+1.4	81.0	+0.5	76.4	-0.4	66.9	+0.9	57.3	+1.6	46.5	-2.3	61.7	-0.5
McDonoughville	47.6	-1.6	43.1	-5.4	52.8	-3.1	63.6	-0.3	71.0	-1.3	80.6	+1.8	81.0	+3.0	81.6	+1.4	76.6	+0.8	65.0	+2.1	56.2	+1.1	45.4	-1.7	64.0	0.0
Midway	57.8	+3.4	46.8	-3.3	56.6	-1.4	67.0	+1.1	71.4	-1.8	81.5	+2.0	85.2	+3.7	84.0	+3.1	80.0	+3.5	68.4	+2.5	59.6	+1.9	49.2	+0.3	65.8	+1.6
Monticello	47.0	+2.2	42.3	-4.9	52.9	-2.2	63.3	+0.3	71.4	-0.1	80.8	+2.5	82.8	+2.7	82.0	+2.6	.....	.....	65.2	+1.5	55.8	+2.4	43.9	-3.2	.....	.....
Newman	45.8	+1.5	41.7	-4.4	53.0	-1.7	63.5	-1.4	69.2	-1.5	78.0	+0.3	81.0	+1.4	79.8	+1.0	73.2	-1.8	63.8	+0.2	54.6	+1.3	43.0	-2.2	62.0	-0.6
Stilwell	51.1	.....	47.2	.....	57.7	.....	67.0	.....	71.6	.....	80.6	.....	84.0	.....	82.6	.....	78.8	.....	68.2	.....	58.8	.....	50.0	.....	66.5	.....
Talbotton	48.4	+1.4	44.5	-4.2	51.8	-5.0	65.1	+1.3	71.7	-0.2	81.2	+2.8	83.0	+2.8	81.0	+2.8	75.4	-0.2	66.6	+1.6	57.2	+2.5	45.5	-2.2	62.0	.....
Warrenton	49.0	+2.8	43.3	-4.2	53.4	-2.5	63.8	+0.8	70.2	-1.4	80.6	+2.0	82.9	+2.5	81.2	+1.6	76.8	+1.8	64.9	+1.0	56.4	+2.4	44.6	-2.1	63.9	+0.4
West Point	46.2	.....	42.0	-5.2	52.2	-3.5	62.4	-0.7	70.4	-1.6	79.6	+1.1	81.9	+1.4	80.6	+0.6	71.9	-0.2	64.8	+0.8	54.7	+1.3	44.2	-1.6	62.8	-0.5
<i>Southern division</i>																										
Alapaha	51.0	+3.1	49.4	-3.6	57.3	-2.3	66.0	-0.6	71.2	-2.8	.....	.....	82.8	+1.4	81.2	+0.2	78.5	+1.1	70.4	+2.9	60.6	+2.8	52.2	+0.9	.....	.....
Albany	52.2	+2.0	47.4	-4.8	57.8	-1.9	67.2	+0.2	73.1	-1.5	81.6	+0.9	83.2	+1.1	82.2	+0.6	78.0	0.0	69.7	+1.8	58.6	+0.7	49.6	-1.5	65.8	-0.2
Americus	51.1	-2.8	45.8	-5.0	56.8	-1.5	67.6	+2.3	73.0	-0.3	81.1	+1.2	82.8	+1.4	83.0	+2.2	78.4	+1.5	70.2	+3.5	59.8	+3.7	48.6	-0.6	65.5	+0.9
Bainbridge	51.6	+0.7	48.6	-5.4	59.1	-2.3	67.7	-0.1	74.2	-0.7	80.8	+0.3	81.7	-0.1	83.9	-0.6	77.4	-0.9	70.2	+2.2	58.8	+0.3	49.8	-2.1	66.8	-0.7
Blacksburg	53.3	+2.8	48.6	-4.0	58.0	-2.5	66.4	0.0	73.6	-0.2	80.8	+0.8	81.8	+0.6	80.8	-0.2	77.4	-0.4	70.5	+3.2	59.8	+2.3	49.8	-1.3	66.7	+0.1
Brunswick	53.5	+1.7	51.4	-4.0	59.4	-1.8	68.6	+0.8	72.7	-1.7	80.0	-0.8	83.4	+1.8	81.8	+0.1	79.1	+0.7	71.0	+0.7	62.7	+2.1	53.6	-1.4	68.2	-0.2
Caro	53.5	.....	49.9	.....	58.8	.....	67.0	.....	72.7	.....	80.6	.....	79.8	.....	79.6	.....	77.6	.....	72.1	.....	60.9	.....	51.4	.....	67.0	.....
Darien	57	.....	59.8	.....	66.2	.....	67.8	.....	72.5	.....	79.4	.....	82.0	.....	82.0	.....	78.8	.....	70.1	.....	60.0	.....	.....	.....	.....	.....
Lawrenceville	52.6	+3.6	46.8	-4.8	57.8	-1.4	67.6	+1.4	73.6	-0.3	82.4	+2.2	84.1	+3.1	82.2	+1.2	78.2	+0.9	68.4	+1.4	59.8	+2.7	50.0	-0.3	66.9	+0.6
Logan	55	.....	51.0	.....	58.2	.....	68.8	.....	73.2	.....	80.0	.....	80.9	.....	80.9	.....	77.4	.....	71.0	.....	60.0	.....	.....	.....	.....	.....
Palmetto	53.8	+3.0	48.8	-3.4	58.8	-1.8	68.6	+3.3	73.2	-1.3	81.6	+1.7	83.4	+1.5	82.2	+1.2	78.7	+1.4	69.9	+3.0	60.8	+3.1	51.2	-0.9	67.6	+1.0
Porterdale	53.0	+3.7	49.1	-4.3	57.2	-1.8	67.2	+1.4	72.6	-0.9	81.2	+1.4	82.2	+0.9	79.8	-0.8	76.0	-1.1	70.6	+3.7	59.5	+2.5	49.6	-0.9	66.3	+0.3
Spaldingville	51.2	+2.2	47.6	-5.9	57.7	-2.1	67.6	+0.7	70.8	-3.2	79.4	-0.5	83.1	+1.6	81.6	+0.5	78.5	+0.8	69.7	+1.5	61.1	+2.8	51.0	-1.0	65.9	-0.2
Hawkinsville	51.1	-3.1	45.7	-4.9	56.6	-1.5	65.8	+0.6	72.1	-1.2	80.4	+0.8	83.1	+1.8	83.0	+2.1	77.5	+0.1	68.0	+1.4	59.0	+1.6	48.6	-0.9	66.0	+0.4
Hazledent	51.2	+2.8	49.0	-6.1	58.8	-0.8	68.5	+1.8	72.4	-0.8	79.4	-0.6	.....	.....	82.0	+1.1	78.6	+0.2	69.6	+0.9	60.8	+2.2	50.6	-2.7	.....	.....
Monticello	51.8	.....	50.4	.....	60.3	.....	68.0	.....	74.8	.....	81.2	.....	82.0	.....	81.4	.....	78.4	.....	71.2	.....	61.6</					



(Continued from page 49.)

the 18th near Swainsboro a young woman was struck and killed by lightning.

August.—Like June and July, August also showed considerable excess in the average temperature. The rainfall average almost normal, but there were extensive areas in the southern and east-central counties that experienced quite a dry spell. Truck, corn, and other crops were badly affected, and the cotton opened prematurely with a poor yield.

September.—Only 10 stations had more than normal amounts of rainfall. Extensive areas in the southern part of the State had less than half the September normal. While the conditions were favorable for harvesting the cotton crop, the weather was much too dry in many middle and southern counties for unmaturing vegetation, especially truck crops, pastures, and sugar cane.

October.—This was a warm October, with widespread heavy rains early in the month followed by almost unbroken dry weather after the 12th. There was widespread killing frost on the 29th even within a few miles of Savannah. Beans, potatoes, tomatoes, and other truck were severely injured where they were growing, but in most places staple crops subject to frost damage had been gathered and the injury was generally limited to the seed beds. Sharp rises in the rivers followed the heavy rains on the 5th to 11th, but the only river station reporting a rise in the flood stage was Abbeville on the Ocmulgee.

November.—This was the driest month of the year, and the conditions that in some counties were becoming serious by the end of October became still more acute. The lack of rain retarded in much delay in fall seeding, and in some southern counties necessitated hauling water for cattle. This condition was somewhat relieved before the end of the month.

December.—Again the rainfall was light, especially during the first 17 days, and farmers in some places found it useless to plant oats or wheat until the latter half of the month. This was the coldest December in Georgia since 1930, but the average temperature was only a little more than 1° below normal.

MONTHLY STATE DATA FOR 1934

Months	Temperature				Precipitation				No. days with no rain or more
	Mean	Departure from normal	Maximum	Minimum	Average	Departure from normal	Greatest	Least	
Jan.	43.5	+2.6	82	-10	2.61	-1.55	6.44	0.92	9
Feb.	44.5	+3.9	84	-4	1.14	-0.75	6.39	2.61	8
Mar.	51.4	+1.5	85	10	3.31	+1.32	10.75	1.06	5
Apr.	61.4	+0.9	91	5	4.90	+0.31	9.81	0.90	5
May	70.9	+0.8	96	5	5.55	+1.38	12.42	2.28	5
June	79.6	+1.5	103	3	5.55	+0.61	14.20	1.23	10
July	82.4	+2.3	105	0	4.00	-1.00	8.02	2.12	10
Aug.	80.8	+1.4	102	5	5.74	-1.02	12.30	1.55	12
Sept.	75.4	+0.8	93	4	2.37	-1.10	7.12	0.40	12
Oct.	65.5	+1.9	85	2	1.77	-0.90	6.58	0.53	6
Nov.	51.1	+1.7	77	10	2.04	-1.62	6.02	0.88	9
Dec.	46.1	+0.6	70	10	1.77	-1.62	6.02	0.88	9
Year	64.6	+0.6	105	-10	47.60	-2.08	75.16	34.21	105

KILLING FROSTS

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
<i>Northern division</i>			<i>Middle division—Con.</i>		
Athens	Mar. 16*	Nov. 12*	Monticello	Mar. 15*	Nov. 12*
Atlanta	Mar. 20*	Oct. 29	Newnan	Apr. 15*	Nov. 12*
Blairsville	Apr. 25*	Oct. 29	Spartanburg	Mar. 12*	Nov. 12*
Blue Ridge	Apr. 14*	Oct. 29	Talbotton	Mar. 20*	Nov. 12*
Carlton Bridge	Apr. 22*	Oct. 28	Warrenton	Mar. 17*	Nov. 12*
Clayton	Apr. 21*	Oct. 24	West Point	Mar. 20*	Nov. 12*
Dalton	Apr. 22*	Oct. 29	<i>Southern division</i>		
Gainesville	Apr. 15*	Oct. 29	Albany	Mar. 21*	Nov. 12*
Hartwell (near)	Mar. 16	Oct. 29	Albany	Mar. 17*	Nov. 12*
Lafayette	Apr. 22*	Oct. 29	Americus	Mar. 21*	Nov. 12*
Roanoke	Mar. 20*	Oct. 29	Bainbridge	Mar. 17*	Nov. 12*
Tallahassee	Apr. 22*	Oct. 29	Blakely	Mar. 20*	Nov. 12*
Tooeba	Apr. 13	Oct. 29	Brunswick	Mar. 17*	Nov. 12*
Washington	Mar. 16	Nov. 12	Waynesboro	Mar. 12*	Nov. 12*
<i>Middle division</i>			<i>Eastern division</i>		
Augusta	Mar. 13*	Nov. 13	Waynesboro	Mar. 12*	Nov. 12*
Brooklet	Mar. 16	Nov. 13	Waynesboro	Mar. 12*	Nov. 12*
Columbus	Mar. 15	Nov. 13	Waynesboro	Mar. 12*	Nov. 12*
Covington	Apr. 13*	Nov. 13	Waynesboro	Mar. 12*	Nov. 12*
Publin	Mar. 16	Nov. 13	Waynesboro	Mar. 12*	Nov. 12*
Fair View	Apr. 13*	Nov. 12*	Waynesboro	Mar. 12*	Nov. 12*
Fort Valley	Apr. 13	Nov. 12*	Waynesboro	Mar. 12*	Nov. 12*
Greensboro	Apr. 13	Nov. 12*	Waynesboro	Mar. 12*	Nov. 12*
Griffin	Apr. 21*	Nov. 12*	Waynesboro	Mar. 12*	Nov. 12*
Louisville	Mar. 15*	Nov. 13	Waynesboro	Mar. 12*	Nov. 12*
Macon	Mar. 15	Nov. 13	Waynesboro	Mar. 12*	Nov. 12*
Marshallville	Mar. 20*	Nov. 12*	Waynesboro	Mar. 12*	Nov. 12*
Milledgeville	Mar. 16*	Nov. 12*	Waynesboro	Mar. 12*	Nov. 12*
Millen	Mar. 16*	Nov. 12*	Waynesboro	Mar. 12*	Nov. 12*

* Latest date with temperature 32° or below.
† Earliest date with temperature 32° or below.

ANNUAL CLIMATOLOGICAL DATA FOR THE STATE

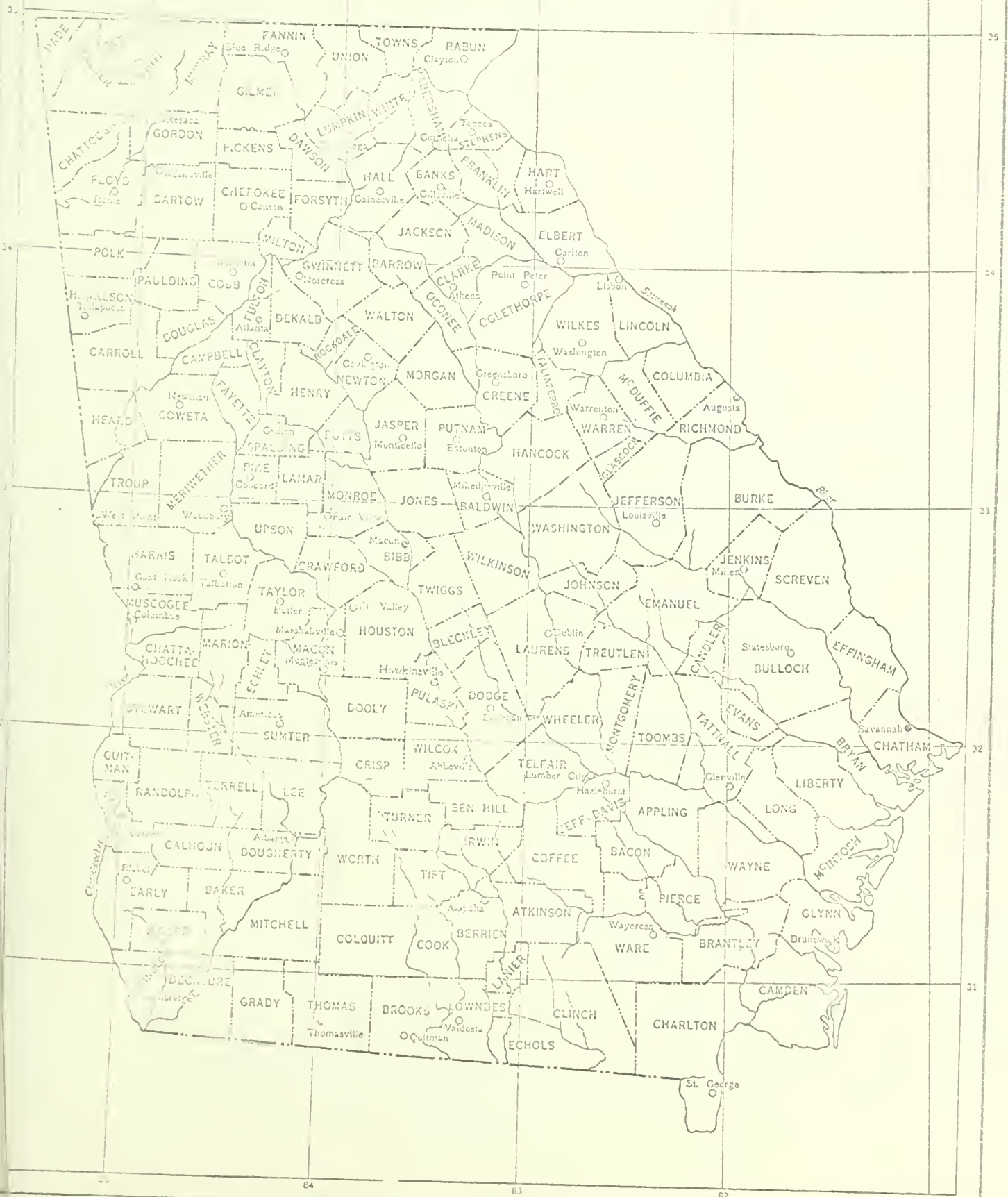
Year	Temperature				Precipitation				Number of days				
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest annual	Least annual	Average snowfall	Precip. 50 or more	Pt. cloudy	Cloudy	
1892	62.8	-1.2	102	9	51.12	+1.44	68.56	39.27	0.00	96	152	104	116
1893	63.3	-0.7	108	-1	49.29	-0.39	55.10	32.43	0.00	86	169	107	89
1894	61.0	-3.0	101	0	49.75	+0.07	61.65	35.14	0.00	91	157	123	85
1895	62.2	-1.8	102	-5	49.57	-0.11	72.32	42.47	0.00	96	154	117	94
1896	61.5	-2.5	108	-3	45.15	-1.53	64.91	51.12	1.1	81	176	113	75
1897	61.9	-2.1	107	-6	49.23	-0.45	67.31	39.26	0.4	84	154	115	96
1898	63.9	-0.1	103	7	53.11	+3.16	87.86	31.80	0.4	59	152	122	91
1899	63.6	-0.4	106	-12	41.20	-5.15	65.09	33.57	6.5	91	171	110	84
1900	63.7	-0.3	107	0	57.33	+7.65	77.32	45.08	0.4	115	141	159	94
1901	61.6	-2.4	106	3	57.58	+7.90	80.68	35.81	3.4	113	152	123	91
1902	63.6	-0.4	108	7	49.99	+0.31	67.79	38.00	1.3	100	136	128	101
1903	62.6	-1.4	101	9	53.81	+4.16	75.18	36.95	0.3	100	144	116	100
1904	62.6	-1.4	104	4	37.17	-12.51	49.82	28.44	1.7	87	183	107	76
1905	63.2	-0.8	106	-8	51.03	+1.35	72.85	36.09	1.5	100	155	106	104
1906	63.4	-0.6	103	11	54.60	+4.92	91.55	25.72	1.9	102	163	108	94
1907	64.2	+0.2	106	14	48.73	-0.95	71.94	35.29	0.3	97	159	125	80
1908	64.3	+0.3	105	9	50.03	+0.35	77.32	35.73	0.7	89	169	113	81
1909	64.0	0.0	104	5	48.31	-1.37	83.34	30.12	0.3	91	178	112	75
1910	63.0	-1.0	105	8	43.60	-6.03	57.65	32.04	0.6	91	184	86	95
1911	65.7	+1.7	108	9	48.23	-1.45	73.62	36.17	0.1	98	167	75	123
1912	62.9	-1.1	103	0	63.02	+13.34	78.87	44.80	5.2	115	152	83	131
1913	64.0	0.0	110	12	46.47	-3.21	68.84	37.23	1.1	97	183	79	104
1914	64.4	-0.6	109	5	45.58	-4.10	61.72	34.23	5.1	93	130	109	126
1915	61.0	-4.0	108	16	49.63	-0.05	72.41	36.73	0.5	89	136	82	86
1916	64.3	+0.3	103	10	43.50	-6.18	62.65	33.08	0.4	93	181	95	91
1917	62.6	-1.4	103	0	47.41	-2.27	63.12	28.77	1.9	99	183	92	92
1918	64.5	+0.5	106	-3	48.73	-0.95	73.24	35.80	1.6	101	163	88	116
1919	65.2	+1.2	103	2	54.91	+5.23	71.96	40.32	0.4	103	165	87	111
1920	63.6	-1.0	105	4	59.73	+10.65	84.91	43.05	1.1	105	155	86	114
1921	66.1	+2.1	104	20	49.91	-8.74	58.99	29.84	1.0	94	173	100	92
1922	67.7	+1.7	104	12	60.58	+5.70	82.63	42.34	0.3	115	158	91	113
1923	61.5	+0.5	105	0	52.76	-3.08	75.80	32.52	1.1	108	159	88	118
1924	64.1	-0.9	107	-9	54.27	+4.59	77.35	41.56	1.9	99	187	72	107
1925	65.8	+1.8	111	0	41.00	-8.68	54.05	29.37	1.1	89	186	75	104
1926	63.9	-0.1	110	6	59.44	+7.06	70.17	38.93	0.8	104	181	78	106
1927	66.2	+2.2	108	4	49.65	-9.03	54.85	29.65	1.0	92	177	100	88
1928	63.6	-0.4	105	-5	50.32	+10.24	78.43	39.37	0.3	111	167	111	98
1929	64.6	+0.6	103	7	69.83	+20.15	97.60	59.77	1.6	122	156	91	108
1930	63.9	-0.1	109	8	46.13	-3.55	57.88	30.53	3.3	99	175	93	97
1931	65.4	+1.4	109	11	36.75	-12.93	64.45	22.00	0.2	87	194	91	80
1932	65.7	+1.7	108	10	56.80	+7.12	89.71	39.89	0.7	115	162	93	111
1933	66.1	+2.1	108	0	41.94	-7.77	65.08	25.95	1.1	94	181	95	86
1934	64.5	+0.6	105	-10	47.60	-2.08	75.16	34.21	0.8	105	179	95	91
Period	64.0	.....	111	-12	49.68	.....	97.80	22.60	1.2	99	167	100	98

(WBO, Atlanta, 1-31-35-1075)



GEORGIA

SCALE OF MILES





CLIMATOLOGICAL DATA

7

GEORGIA SECTION

G. W. MINDLING

VOL. XXXIX ATLANTA, GA., YEAR 1935 No. 13

GENERAL SUMMARY

This was a rather warm year with an excess in temperature in each month except July, September, and December. Spring was early with unusually warm weather in March. Freezing temperatures were not recorded in the southern half of the State except at a few places after March 2, and at only a few northern stations after March 13. However, frosts on April 14 caused local injury to sweet potatoes and beans southward to within a few miles from Savannah.

Some parts of the State suffered from insufficient rainfall in May, June, and October, while many sections experienced excessive rainfall in July, August, or September. Locally the precipitation for the year ranged from a minimum of 31.51 inches at Macon to 65.92 inches at Flat Top.

The only important storms with destructive effects were the tornadoes of March 6 and 12, the excessive rains of September 4 and 5, and the ice storm of December 28-29.

THE WEATHER BY MONTHS

JANUARY.—There was a well sustained period of mild weather from about the 7th through the 21st, which brought jasmine into pretty full bloom in Atlanta. Rainfall was light, especially after the 9th. In some southern counties the ground became too dry for plowing. Rivers were low throughout the month except in the northeastern section, where sharp rises followed the heavy rains of the 5th to 9th.

FEBRUARY.—This was a moderately mild month with no unusual extremes in temperature nor unduly prolonged periods of abnormal warmth or cold. There was sufficient rainfall in southwestern counties, but a deficiency was experienced in other parts of the State.

MARCH.—This was the warmest March since 1921. The rainfall was again less than normal, though greater than in either January or February. There were several tornadoes and destructive local storms on the 6th and 12th. The localities affected were in Oglethorpe, Wilkes, Lincoln, Richmond, Johnson, and Lowndes Counties. Eight people were injured near Lincolnton, and property losses in that locality amounted to about \$25,000.

APRIL.—A discouraging period of cold weather prevailed from the 7th to the 17th, which was especially hard on cotton and corn. Frosts on the 14th caused local injury to sweet potatoes and beans even within a few miles from Savannah. Wheat and other crops were damaged by heavy hail near Barnesville on the 4th. Destructive hail also fell in Atlanta and Athens.

MAY.—Although the average temperature was above the normal, the month contained cool periods that interfered with the growth of cotton and corn. Some replanting of cotton was necessary. Rainfall was rather light in most sections and quite

insufficient from about Milledgeville and Sparta southeastward to Savannah and almost to Brunswick.

JUNE.—This was another dry month, especially so in eastern and south-central sections. About one tenth of the State had less than half an inch of rain after the 10th. Toward the close of the month in the drier sections truck crops, tobacco, corn, and pastures were badly seared, watermelons were almost a failure, peaches were reduced in size, and there was a scarcity of water for cattle.

JULY.—The dry condition that developed during the latter part of June was well relieved in July, the heaviest rainfall coming in the southern part of the State. The average amount for the southern division was slightly over 10 inches, while in the central and northern divisions it was between 5 and 6 inches.

AUGUST.—As in July, there were frequent showers. The rainfall was quite unevenly distributed, ranging from 1.28 to 11.59 inches. The driest region was between Athens and Washington. In most sections the month was considered too wet for cotton and for peanuts where chiefly grown, though conditions were generally favorable for other crops.

SEPTEMBER.—Again there was great variation in the amount of rainfall from less than 0.50 inch at some northern stations to over 18 inches at Brunswick and over 10 inches at several other southern stations. The most widespread occurrence of heavy rain came as the well-known Florida Keys hurricane passed over southern Georgia on the 4th and 5th. While the winds were no longer destructive at that time, a good deal of cotton was blown from the stalks and most of the remaining open cotton in southern counties was badly spoiled by these rains.

OCTOBER.—This was a very dry month, with only two stations in the State having more than the normal rainfall. In the southern division the average was only 0.15 inch, a new record. In many places in central and southern Georgia the ground became too hard for digging potatoes, fall seeding was greatly delayed, water supplies fell off seriously, and some rivers fell lower than any previous record. Stations from Americus to Hazlehurst reported no rain at all during the month, and much of the middle and southern divisions had less than 1 inch of rain during the seven weeks ending October 31.

NOVEMBER.—The first two weeks were decidedly warm, after which the weather was much colder. Both the highest and lowest temperatures recorded at most stations during this month closely approached the greatest known November extremes. Rainfall was again below normal at most places in the middle and southern divisions. The first injurious frosts or freezing temperatures did not occur until November 19 or later except at most places in the northern division where the first freeze came on the 6th or 7th of October.

DECEMBER.—This was the coldest December on record in Georgia with the single exception of that of 1917, when the average temperature for the State was only about 1° lower. Average daily minimum temperatures were below 32° as far south as Dublin and nearly to Albany. Winter plowing was greatly hindered by the frozen condition of the ground that prevailed

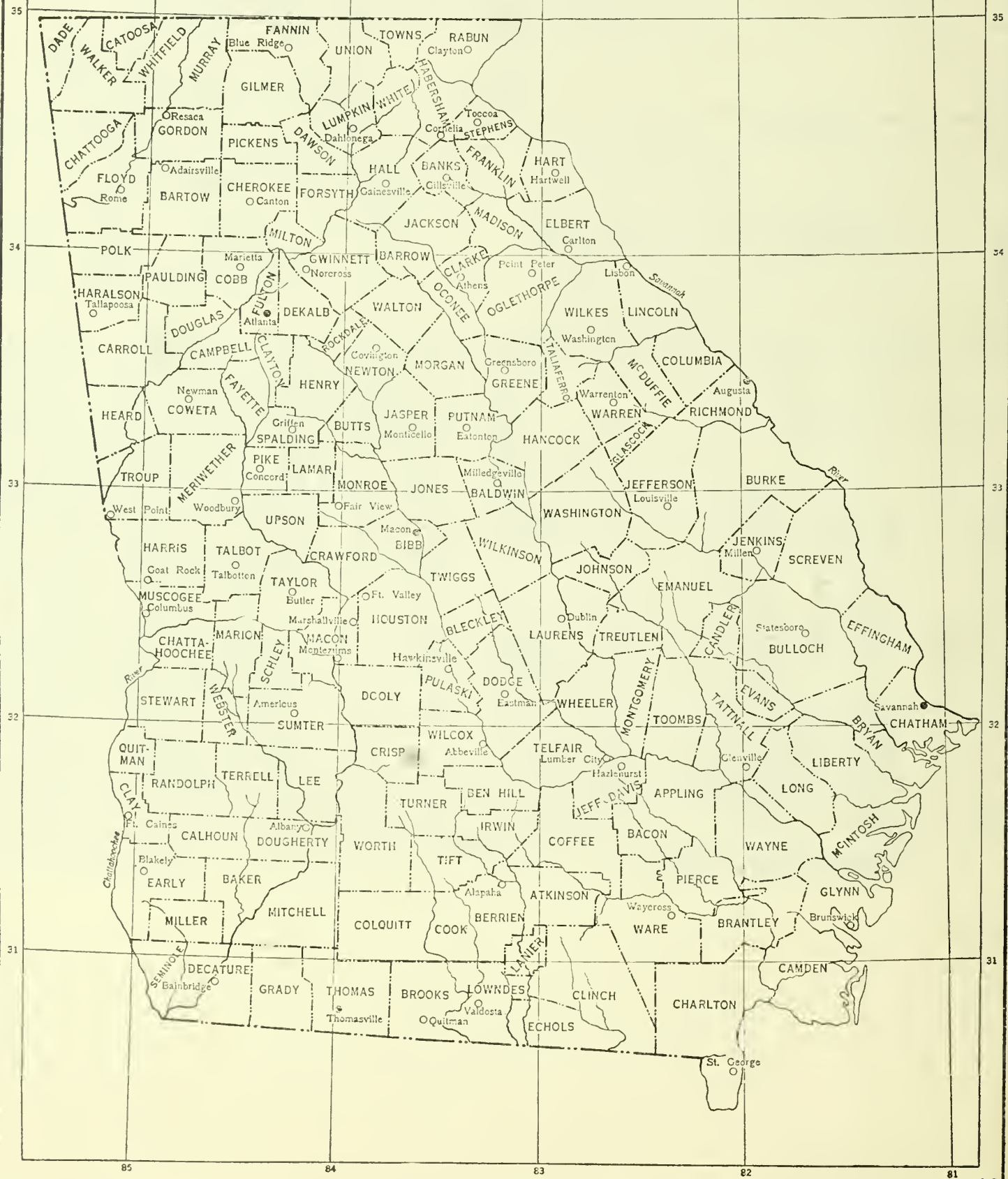
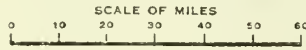
[Continued on page 53]

Monthly and Annual Average Temperatures for the Year 1935, with Departures from the Normal

Table with columns for Stations, months (January-December), and Annual. Each month column contains Temperature and Departure values. Rows are grouped by division: Northern, Middle, and Southern.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

GEORGIA



CLIMATOLOGICAL DATA

7 GEORGIA SECTION

G. W. MINDLING

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR (NOT STAMPS).

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VOL. XL ATLANTA, GA., YEAR 1936 No. 13

GENERAL SUMMARY

A series of remarkable features followed each other in rapid succession, making this an outstanding year in the climatological history of the State. January and February contained the major part of a winter with the lowest average temperature since that of 1904-05. April brought river floods of unusual magnitude and tornadoes of the greatest destructiveness ever known in Georgia. Closely following these disasters there began the most serious drought known in the State since 1925, which was not well relieved until July. The months of June, July, and August taken together produced the highest summer average temperature since 1925.

The last occurrence of freezing in spring was unusually late, being delayed until April 19 at many places as far south as Covington and Greensboro. On the other hand, the fall season was quite favorable for ripening and harvesting late crops, and frosts did not come early enough to cause material damage.

THE WEATHER BY MONTHS

JANUARY.—This was the coldest January since 1924 and the wettest since 1925. Precipitation was above 10 inches across the northern section and over western counties southward beyond Blakely. The Flint and Chattahoochee Rivers rose to the highest stages since 1929. Destructive local storms occurred in many places, a tornado near Edison on the 18th causing the death of 7 persons and property damage estimated at not less than \$10,000. One of the most notable snowstorms ever known in Georgia occurred on the 29th and 30th. This produced a depth of 4 inches or more southward as far as Newnan, Griffin, Monticello, Greensboro, and Washington. In Atlanta the snowfall was 8 inches, the most ever measured in a single storm.

FEBRUARY.—This was the coldest February since 1912. There was hard freezing over most of the State as late as the 19th, when temperatures of 27° were recorded at Eastman, Hawkinsville, and Fitzgerald. Rapid warming up occurred after the 22d, and temperatures reached 80° in many southern counties. This was enough to encourage preparations for planting, but the farmers could not make much headway because the ground in most places remained too wet for working until March.

MARCH.—The weather was quite mild through the first 11 days. The principal cold period extended from about the 17th to the 22d and brought the last injurious frosts and freezing of the winter at most places in the southern division. Destructive winds demolished a number of houses and other buildings in outlying sections of Augusta on the 16th and 20th. Ten per-

sons were taken to a hospital, but eight of them were found to have only minor injuries.

APRIL.—The outstanding features of the month were the numerous destructive tornadoes and the unusual river floods.

The greatest of all tornadoes ever known in Georgia struck Gainesville on the morning of April 6. A week later a Red Cross representative gave out the following information relating to this disaster: Number of houses demolished, 750; houses badly damaged, 254; persons killed, 203, of whom 80 were heads of families; persons injured, 934, not including over 700 that required only first-aid treatment; number of families registered for Red Cross aid, 1,662. The property losses were believed to be about \$13,000,000.

On April 2 there was an exceedingly destructive tornado in Cordele, where 23 persons were killed and hundreds injured. Property damage was estimated at \$3,000,000. This tornado demolished 287 buildings, according to a Red Cross report, of which 276 were dwellings. Of the dwellings over 100 were among the best in the city.

Other tornadoes caused the death of 7 people and injuries to more than 60 others. Most of the destruction occurred from the vicinity of Tignall to that of Lincolnton, in which area the property damage amounted to about \$100,000. Tornadoes also occurred near Sasser, Leesburg, and Acworth.

The heavy rains at the beginning of the month brought rivers up to stages higher than any since the remarkable floods of 1929. The highest previous records were approached within a foot at Macon and Abbeville on the Ocmulgee, and at Charlotte on the Altamaha. Flood losses for the places of leading importance were estimated as follows: Augusta, \$300,000; Rome, \$150,000; Macon, \$30,000.

MAY.—Average temperatures were considerably above normal with the greatest excess in the northern division. After April 10 very little rain occurred in the northern and middle sections. The State average rainfall was the least for May in 22 years, and this resulted in one of the most disastrous droughts ever known in the State. Large areas were without pastures before the end of the month, while white potatoes and other vegetables were practically a failure. Ground was so dry that a good deal of seed never sprouted, and stands of cotton toward the end of the month were said to be less than 20 percent in some central counties.

JUNE.—There was a well-marked excess in temperature and a large deficiency in rainfall. Some sections had substantial relief from the preceding drought, but over large areas conditions became worse during the month instead of better. The month closed with cotton and corn still small, poor, and very late with bad stands in the driest sections. On the 19th violent winds resulted in injuries to 8 people and the death of 3 negroes. Property damage was estimated at \$60,000 or more, including \$30,000 worth of peaches.

JULY.—The percentage of normal rainfall for three months ending with July 11 was closely estimated for stations through-

[Continued on page 57]

Monthly and Annual Precipitation for the Year 1936, with Departures from the Normal

Table with columns for Stations, months (January-December), and Annual. Rows are categorized into Northern, Middle, and Southern divisions. Each cell contains precipitation and departure values.

* Plus (+).

Monthly and Annual Average Temperatures for the Year 1936, with Departures from the Normal

Table with columns for Stations, months (January-December), and Annual. Each month has two sub-columns: Temperature and Departure. Rows are grouped into Northern, Middle, and Southern divisions.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

[Continued from page 53]

out the State. Excepting a few northeastern stations, the percentages were generally below 50 southward nearly to Albany, Dublin, and Statesboro. Extensive relief measures were instituted by the Federal Government for the benefit of impoverished farmers in the area indicated. Severe drought continued in some central counties until the 30th or 31st when heavy rains set in over the whole State.

AUGUST.—This was a moderately warm month. There was a satisfactory amount of rain in all sections during the first half or more of the month, after which several interior counties experienced another dry period.

SEPTEMBER.—This was one of the most favorable months of the year with plenty of warm weather and in most sections sufficient moisture to hasten the maturing of the later cotton and corn.

OCTOBER.—Truck crops and vegetables in the middle and southern sections were in much need of rain before the end of the month, but the month was otherwise favorable for ripening and harvesting cotton and other late crops.

NOVEMBER.—November was rather cool and dry. There was no freezing weather except at some northern stations until November 16, when freezing extended southward to Fitzgerald. According to the Georgia Crop Reporting Service the favorable weather and lateness of the fall made it possible for the late cotton crop to turn out better than early expectations. At the close of the month it was estimated that the production in north Georgia would be about 1 percent above 1935, in middle Georgia about the same, and in south Georgia about 10 percent more than in 1935.

DECEMBER.—The weather was free from remarkable features of any kind, but there was a moderate excess in both temperature and rainfall.

MONTHLY STATE DATA FOR 1936

Table with columns for Months, Temperature (Mean, Departure from normal, Maximum, Minimum), and Precipitation (Average, Departure from normal, Greatest, Least, No. days with 0.01 inch or more).

TENNESSEE VALLEY AUTHORITY—PRECIPITATION TOTALS YEAR 1936

Table with columns for Stations, Jan., Feb., Mar., Apr., May, June, July, Aug., Sept., Oct., Nov., Dec., and An'l.

KILLING FROSTS

Table with columns for Stations, Last in spring, First in autumn, Stations, Last in spring, First in autumn. Divided into Northern, Middle, and Southern divisions.

* Latest date with temperature 32° or below. † Earliest date with temperature 32° or below.

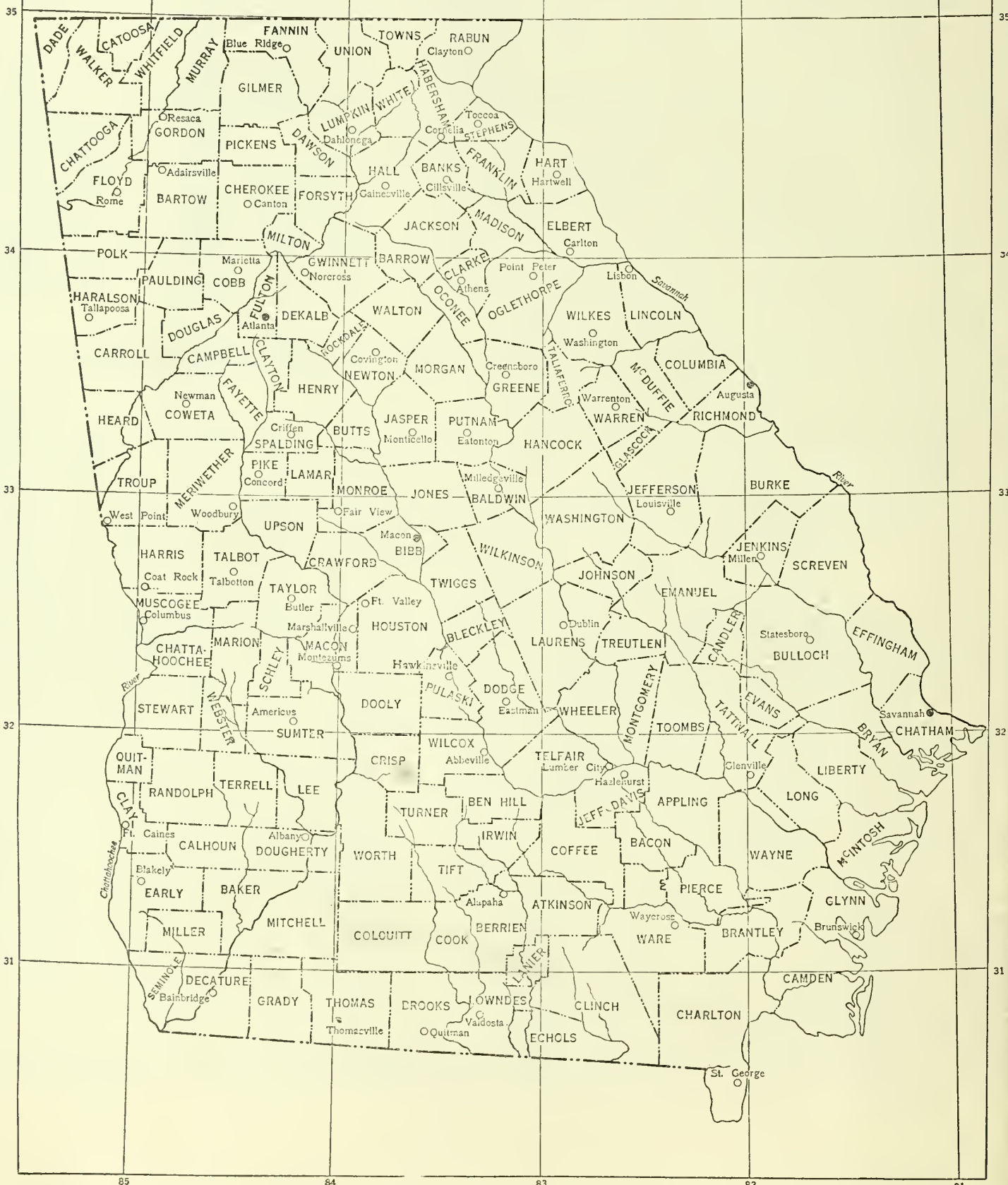
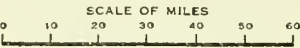
ANNUAL CLIMATOLOGICAL DATA FOR THE STATE

Large table with columns for Year, Temperature (Mean, Highest, Lowest), Precipitation (Northern, Middle, Southern, Average, Average snowfall), and Number of days (Precip. or more, Clear, Pt. cloudy, Cloudy).

Note.—On account of having been recomputed in accordance with new instructions, the mean temperatures and average amounts of precipitation differ slightly from the figures published in previous annual summaries.

(WBO, Atlanta, 2-5-37-1075)

GEORGIA



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CLIMATOLOGICAL DATA

7

GEORGIA SECTION

G. W. MINDLING

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VOL. XLI ATLANTA, GA., YEAR 1937 No. 13

GENERAL SUMMARY

An unusually favorable season for cotton was easily the outstanding feature of the year's weather. Perhaps next in prominence were the very unfavorable conditions for the peach crop, consisting of the warmest January in 46 years, followed by a cold spring season with heavy frost damage late in March.

There were heavy rains in January and April that caused flood stages on most rivers at one time or another, but without great property damage anywhere in the State. There was marked freedom from tornadoes, destructive winds, and apparently less than the usual loss of life resulting from lightning. Severe local hailstorms affected many southern counties on May 5, causing crop damage estimated at \$150,000 or more. Less extensive damage resulted from hail in a few central and northern counties on April 15. The fall season was decidedly cool; October's average temperature was the lowest in 46 years with only five exceptions, while that of November was the lowest with but one exception.

THE WEATHER BY MONTHS

JANUARY.—This was the warmest January shown in the 46 years for which records are now available in Georgia. The average temperature lacked only 3.9° of being equivalent to the April average in 1937. By the 25th many shrubs and other flowering plants had come into full bloom as far north as Atlanta. Peaches were blooming in central counties at the close of the month. Newnan and Greensboro were the only stations in the middle division that recorded temperatures of 32° or lower, while in the southern division the lowest recorded at any station was 38°. The lowest recorded in the State was 26°.

The month was remarkable also for heavy and frequent rainfall in the northern half of the State. All the northern mountain area appears to have had more than 10 inches of rain, besides most of the area west of Atlanta and southward nearly to Lagrange. The amount of rain diminished rapidly from the piedmont section to the Florida line. River flood stages were reached at Canton, Resaca, Milledgeville, Abbeville, and Everett City.

FEBRUARY.—Mean temperatures were fairly close to normal in all parts of the State. All stations except Savannah and Brunswick had temperatures of 32° or lower, and readings of 20° or lower occurred as far south as Newnan. Young tender shoots and leaves on shrubbery and flowering plants were extensively hurt by the cold weather. Great numbers of peach buds were killed, and the damage to the crop was further augmented by frosts and freezing late in March. The Broad, the

the Oconee, the Ocmulgee, the Altamaha, and the Ogeechee Rivers reached flood stages at a few places, but no important damage resulted.

MARCH.—This was the coldest March since 1932 and the driest since 1933. The total rainfall was moderate, less than normal at most stations, and the first two weeks were relatively dry. Heavy rains a little later resulted in a rapid rise in the rivers, but flood stages were reached only at a few places on the lower Oconee and Altamaha. Frosts occurred frequently in the northern half of the State, and frost damage extended southward to Bainbridge, Thomasville, and Waycross on the 16th and 17th and beyond Americus and Dublin on the 29th.

APRIL.—April was cool and wet, the wettest April since 1928. Only a few stations had less than 5 inches of rain, the regions of least rainfall being near Savannah and Brunswick. Above the fall line most stations reported from 5 to 7 inches. The heaviest rains caused sharp rises in streams, but no river flood stages were reached except on the lower Oconee and at Canton, Macon, and Milledgeville.

MAY.—Although the first week was rainy and cold, the month was generally favorable for the development of crops. River flood stages were reached at Rome, Dublin, Abbeville, Dover, and Everett City. Destructive hail occurred over extensive areas in southern counties on the afternoon of the 5th with crop damage aggregating \$150,000 or more. The heaviest losses occurred near Jesup, Wayne County, where hailstones were found up to 2 inches in diameter. In addition to damage to pecans, tobacco, fruits, and vegetables, there was considerable loss to live stock, damaged automobiles, and buildings. Losses amounting to about \$25,000 were reported near Ocilla.

JUNE.—This was the warmest June in 7 years, but there were no unusual extremes of heat. Rainfall conditions were quite generally satisfactory, and crop growth was good. A tornado a few miles north of Millen on the 28th wrecked or damaged a number of barns. On the same day considerable damage to crops was done by high winds in the southern part of Emanuel County.

JULY.—This month was moderate in temperature, and it ranged from rather dry in the north to very wet at many southern stations. It was unusually free from destructive winds, washouts, and damage by lightning.

AUGUST.—Moderate temperatures prevailed without a record above 100°. Rainfall averaged more than an inch above normal and exceeded 10 inches at some stations, while others had less than 4 inches.

SEPTEMBER.—September was comparatively cool throughout the State and rather dry over more than three-fourths of it. The average rainfall was the least in any September since 1931, but several southern stations had over 7 inches. The State Crop Reporting Service indicated the cotton crop as of October 1 to be nearly 40 percent greater than that of 1936 with an estimated production of 109,000 bales more than shown in a report made a month earlier.

[Continued on page 53]

Monthly and Annual Precipitation for the Year 1937, with Departures from the Normal

Table with 14 columns for months and an annual column, and 2 columns for precipitation and departure. Rows are categorized by Northern division, Middle division, and Southern division, listing various Georgia stations.

Monthly and Annual Average Temperatures for the Year 1937, with Departures from the Normal

Table with columns for Stations, months (January to December), and Annual. Each month column contains Temperature and Departure values. Stations are grouped into Northern, Middle, and Southern divisions.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

(Continued from page 49)

OCTOBER.—This was an unusually cool October with temperatures almost continuously below normal after the 8th. Temperatures lower than any previous October record occurred at Covington, Fair View, Fort Valley, Glennville, and Hazlehurst. Killing frost occurred at all but a few southern stations on the 24th, and much damage resulted to late vegetables and truck crops. However, leading growers took advantage of frost warnings issued the day before and gathered as much as possible of products subject to injury.

NOVEMBER.—The State average temperature was only 51.0°, the lowest for any November in 46 years except that of 1901. There was about the usual number of rainy days for November, but the average rainfall over the State was considerably less than normal.

DECEMBER.—This was an unusually dry December with a remarkable cold period early in the month, when at many stations the temperature dropped to within 5° of the lowest on record in any December. Continued hard freezing for several days produced damaging effects upon oats that remained evident until January.

MONTHLY STATE DATA FOR 1937

Table with columns for Months, Temperature (Mean, Departure from normal, Maximum, Minimum), and Precipitation (Average, Departure from normal, Greatest, Least, No. days with 0.01 inch or more).

TENNESSEE VALLEY AUTHORITY—PRECIPITATION TOTALS YEAR 1937

Table with columns for Stations and months (Jan to Dec and An'l).

(WBO, Atlanta, 2-2-35-1075)

KILLING FROSTS

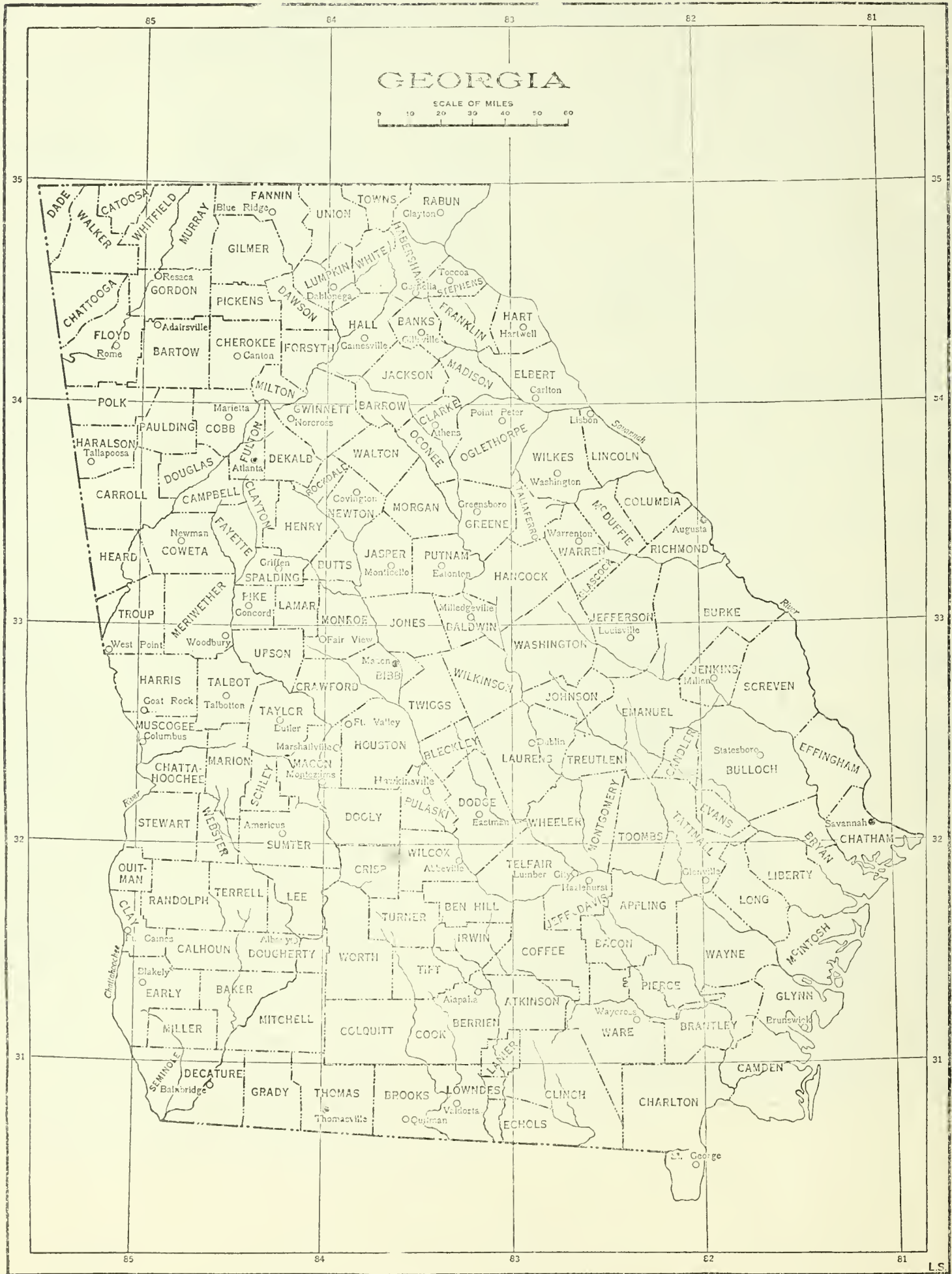
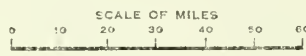
Table with columns for Stations, Last in spring, First in autumn, and separate columns for Middle division and Southern division stations.

* Latest date with temperature 32° or below. † Earliest date with temperature 32° or below.

ANNUAL CLIMATOLOGICAL DATA FOR THE STATE

Large table with columns for Year, Temperature (Mean, Highest, Lowest), Precipitation (Northern division, Middle division, Southern division, Average), and Number of days (Average snowfall, Clear, Pt. cloudy, Cloudy).

GEORGIA



CLIMATOLOGICAL DATA

7 GEORGIA SECTION

G. W. MINDLING

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REMITTANCE PAYABLE TO SUPERINTENDENT OF DOCUMENTS, WASHINGTON, D. C.

VOL. XLII

ATLANTA, GA., YEAR 1938

No. 13

GENERAL SUMMARY

January and February were unusually dry, like the last two months of 1937. The State average rainfall for the four months amounted to only 7.19 inches, a record that stands unequalled as a dry winter season in Georgia in a period of 47 years for which data are available. February and March were remarkably mild, and while vegetation was far more than normally advanced during these months, no very serious loss resulted from later occurrences of frosts and freezing. It is true that as far south as Thomson garden truck was injured on low ground by frosts on April 10 and 11, but the effect on peaches was to produce but little more than desirable thinning.

Too much rain in July caused an unusually serious boll weevil infestation with much detriment to the cotton crop. Later on rather serious drought developed over much of the State. Some destructive storms occurred, but the resulting loss of life and property was not unusual.

THE WEATHER BY MONTHS

JANUARY.—Although the average temperature was quite close to normal in all parts of the State, there was a decidedly warm period extending from about the 16th to 24th separating two well marked cold periods. There were a few days with maximum temperatures below 40° southward beyond Macon. The coldest weather of the year came at most places on the 28th when readings of 20° or lower were general in the northern half of the State, and readings below 25° occurred at all stations but Brunswick, where the lowest was 27°. The average amount of precipitation for the State was a little less than half the normal, but rains came at rather close intervals so as to keep the ground well enough supplied with moisture except in the southeastern section.

FEBRUARY.—The average temperature was fully 6° above normal and nearly 4° higher than that of the preceding November. Temperatures of 75° or higher were reached at almost all stations except in the mountain area. Vegetation was much advanced and early peaches bloomed freely in the principal producing areas. It was the driest February since 1898, and the third consecutive month in which the State average precipitation was less than 50 percent of normal. It was too dry in many places for good growth of oats, pastures, and young tobacco.

MARCH.—Like February, this month was remarkably warm and dry. Most stations in the southern section did not have a single occurrence of freezing, and freezing was not recorded after the 8th except at a few northern stations. Rainfall was below normal throughout the southern and middle sections and in the eastern part of the northern section. Young tobacco was quite unfavorably affected by the lack of enough rain, and in some places cotton and corn did not sprout well when planted.

APRIL.—After five consecutive months with deficient rainfall, April brought a marked excess, especially in the middle

section, in which the average amount was over 9 inches. In the central and western parts of the State rivers rose to higher stages than had been reached for two years or more. Excessive rain on the 7th caused Talona Creek at Whitestone, 9 miles north of Jasper, to rise with frightful rapidity, sweeping away a combination store and dwelling with loss of 15 lives. A few tornadoes occurred on the same day in western counties.

MAY.—There was an acute deficiency in rainfall in southern Georgia before the 24th with unfavorable effects on oats, corn, tobacco, pastures, and truck crops. In the principal peach growing areas the lack of sufficient rain began to affect the size and quality of the fruit before the dryness was relieved. During a period of 30 days ending with May 23, many places in the southern section had less than half an inch of rain. Destructive hail near Cornelia on the 3d caused losses of fruit estimated at \$10,000.

JUNE.—June was quite favorable for the development of crops with ample rainfall. Temperatures averaged about 2° below normal. There were no storms of outstanding severity, but lightning caused the loss of two lives. Considerable damage resulted from hail on the 24th a few miles west of Savannah.

JULY.—This was the coolest July in 15 years and the wettest in 19 years. However, the rainfall was comparatively light in the northern section through the first 17 days. The more frequent and heavier showers in the latter part of the month caused a rapid increase in boll weevil infestation. Official crop estimates of August 1 placed the probable cotton crop of the State at more than 200,000 bales below that of 1937. The heavy rains also caused damage to corn, peaches, figs, and truck crops.

AUGUST.—Excessive moisture and lack of sunshine characterized the first week or more after which the greater part of the month was too dry and hot. The average temperature was the highest for any August since 1924, but the average rainfall was less than 60 percent of normal.

SEPTEMBER.—Temperature conditions were near normal in most respects, but the cool period of the 21st to 23d was quite unusual. A new low September record of 32° for the State was established at Blairsville on the 22d, when former September records were exceeded also at several other stations in the northern and central sections. Droughty conditions that developed during the latter part of August became more serious in September over most of the State. Truck crops, vegetables, and pastures suffered most.

OCTOBER.—Mean temperatures were fairly close to normal. Freezing was restricted to rather small areas, including some parts of the Piedmont Region but not including all stations in the mountains. Serious drought prevailed extensively in the northern half of the State, where many streams and some wells dried up. Conditions were widely ruinous to pastures and vegetables and caused much delay in sowing oats and wheat. In the northern division the average rainfall was only 0.15 inch, which is the smallest average ever obtained for any month of any year in that section of the State.

NOVEMBER.—November was warmer than usual with no occurrence of extensive freezing in the southern half of the State before the night of the 24th. Widespread rains on the 4th and 5th relieved the dry conditions in the northern half, but in the southern half of the State there was little or no improvement during the month.

DECEMBER.—This was another month of light rainfall, such that water supplies and rivers were unusually low for the time of the year. There were frequent changes in temperature, but no remarkable extremes nor any prolonged spells of warm or cold weather.

Climatological Data for the Year 1938

Table with columns: Stations, Counties, Elevation, Temperature (degrees Fahrenheit) - Length of record, Annual mean, Highest, Date, Lowest, Date, Length of record, Total for the year, Precipitation (inches) - Greatest monthly, Month, Least monthly, Month, Total snowfall, Sky - Number rainy days, Number clear days, Number partly cloudy days, Number cloudy days, Prevailing direction of wind.

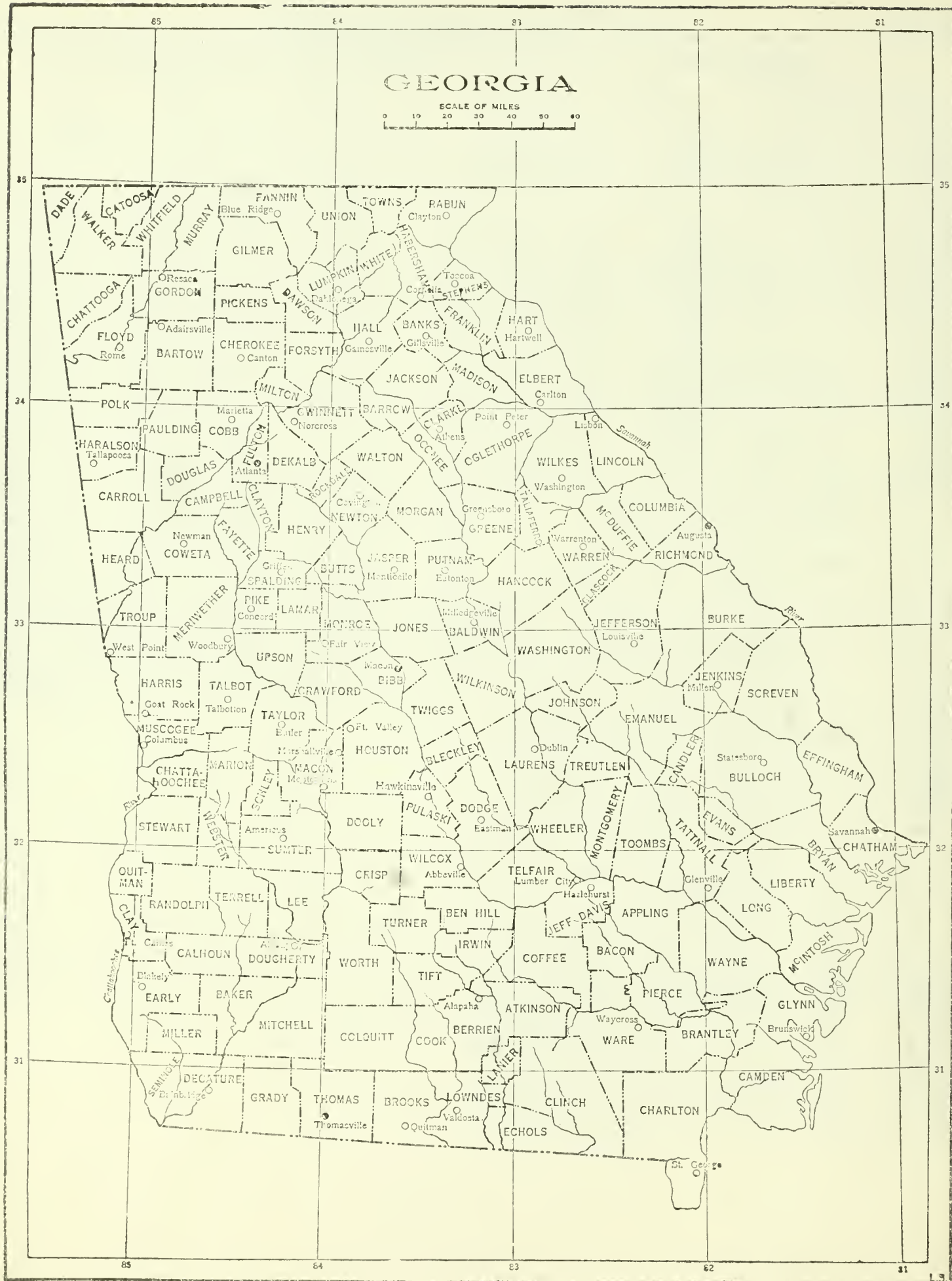
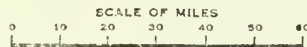
† On other dates also. † Also other months.

Monthly and Annual Average Temperatures for the Year 1938, with Departures from the Normal

Table with columns for Stations, months (January-December), and Annual. Each month has Temperature and Departure sub-columns. Rows are grouped into Northern, Middle, and Southern divisions.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

GEORGIA



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

SOUTHERN SECTION

G. W. MINDLING

PRICE 1.50 PER COPY 25 CENTS A YEAR (NOT STAMPS).
 REFERENCE PAYABLE TO SUPERINTENDENT OF DOCUMENTS, WASHINGTON, D. C.

Vol. XLIII

ATLANTA, GA., YEAR 1939

No. 13

GENERAL SUMMARY

Leading features in the year's weather were the mild temperature of January and February, the widespread excessive rain in August, and the exceptional drought of October and November. For October and November together the State average rainfall was only 1.15 inches, which is by far the least for those months in any of the 48 years for which records are now available.

Tornadoes occurred as follows: Jan. 6, near Brunswick; Feb. 6, at Union City; Feb. 25, near Blakely; Feb. 26, in southern Charlton County; Mar. 6, between Acworth and Milledgeville; Apr. 11, in Haralson and Carroll counties; Apr. 22, in extreme northern Fulton County.

Destructive hail occurred as follows: Mar. 29, near Fort Valley; Apr. 11, near Concord; May 14, from Coffee to Brantley counties; June 21, near Lumber City; Aug. 5, in Madison and Greven counties; Sept. 14, in Calhoun and Gordon counties.

Lightning killed three men near Augusta on July 19 and one at Molena on July 21.

According to a statement of the Georgia Crop Reporting Service the October 1 indicated production of leading crops was above the 10-year average of 1928-1937 in corn, oats, wheat, hay, tobacco, Irish and sweet potatoes, apples, pears, peaches, and peanuts; only cotton and peaches were shown to be below the 10-year average.

THE WEATHER BY MONTHS

JANUARY.—This was a rather warm January. Mild weather prevailed during the first two weeks without freezing anywhere northward as far as Columbus and Fort Valley. Rainfall was slightly above normal in the northern division, but was below normal elsewhere. It was somewhat too dry for truck and pastures in the southern half of the State. In some places wells and streams became unusually low and soils were not in good condition for plowing.

FEBRUARY.—February was also unusually warm. There was no hard freezing until after the 21st. But following this no frost escaped a drop to 29°. Considerable damage was done to tobacco and to other vegetables. Early peaches suffered heavily. All the State, except the southeastern section had frequent heavy rains, which left the ground wet and seriously delayed preparation for spring planting, especially in the clay regions.

MARCH.—A cold period came from the 17th to the 20th, which brought temperatures slightly lower than 20° in the northernmost part of the State. Killing frosts occurred extensively on the 20th. Precipitation was near normal in the northern and central divisions, but was little more than half the normal in the southern division.

APRIL.—The month was slightly below normal in both temperature and rainfall. Rainfall was well distributed through the month, and the weather may be said to have been quite favorable for agriculture. By the end of the month cotton was being chopped in the southern section, and planting was well under way to the northern counties.

MAY.—It was unfavorably cool for most crops during the first 10 days or more, but no reports were received of plants being killed by frost. There was somewhat more than the usual May rainfall over most of the State. But while much of the northern half of the State was having too much rain, it became somewhat too dry for tobacco, sweet potatoes, and truck crops in many southern counties, between the 18th and 27th. However, this deficiency was made up before the end of the month except in small areas.

JUNE.—Conditions were more than ordinarily favorable for crop growth, in spite of some local exceptions where more rain was needed and the occurrence of too much rain in other areas so that crop cultivation was impeded.

JULY.—July was slightly warmer than usual. Rainfall was mostly below normal and varied locally from less than two to more than ten inches. Most stations had no rain between the 11th and 20th, and the need for rain was keenly felt in some places toward the end of this period.

AUGUST.—This month brought an unusual amount of wet weather with temperatures considerably below normal. The State average rainfall was the greatest for any August since 1928. A decidedly wet period prevailed from about the 12th or 13th to the 19th, during which time many stations had more than seven inches in a period of six days.

SEPTEMBER.—This month was above normal in temperature by an excess of 1.4°. Temperatures above 90° were quite frequent during the first half and in the last few days of the month. Rainfall was irregularly distributed and ranged from less than one to more than five inches.

OCTOBER.—October was exceptionally dry and considerably above normal in temperature. It was the driest October since 1904, when the State average was only 0.33 inch, the same as this year. So low an average rainfall has not occurred in any other month of the year since the beginning of the Climatological Service in 1892. The ground was well supplied with moisture by the late September rainfall and did not become excessively dry until about October 10. Nevertheless, by the end of the month many streams and some wells were dried up, conditions had become ruinous to pastures and vegetables throughout the state, and the sowing of wheat and oats was delayed to an alarming extent.

NOVEMBER.—Drought gradually became more serious over the greater part of the State until brief temporary relief resulted from the rains of the 18th to 21st. This prompted extensive sowing of wheat and oats and fall plowing, which had been long delayed on account of the extreme dryness of the soil.

DECEMBER.—Warm, dry weather prevailed the greater part of the month. There were general complaints of severe drought with soil too dry for germination of grains and winter grasses and too dry for plowing until after the rather heavy rain of the 19th and 20th. This put the soil in satisfactory condition for plowing and improved the condition of vegetation very much.



CLIMATOLOGICAL DATA: GEORGIA SECTION

Monthly and Annual Precipitation for the Year 1939, with Departures from the Normal

Table with columns for months (January to December) and annual totals, and rows for various Georgia locations (North, Middle, and Southern divisions). Each cell contains precipitation and departure values.

* Plus. † Minus.

CLIMATOLOGICAL DATA; GEORGIA SECTION

YEAR 1939

Monthly and Annual Average Temperatures for the Year 1939, with Departures from the Normal

Table with 15 columns (Stations, Jan, Feb, Mar, Apr, May, June, July, Aug, Sept, Oct, Nov, Dec, Annual) and rows for various Georgia locations like Athens, Dalton, Dalton City, etc.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

KILLING FROSTS

Table with columns: Stations, Last in spring, First in autumn, Stations, Last in spring, First in autumn. Divided into Northern, Middle, and Southern divisions.

ANNUAL CLIMATOLOGICAL DATA FOR THE STATE

Table with columns: Year, Temperature (Mean, Highest, Lowest), Precipitation (Northern, Middle, Southern, Average), Number of Days (Average, Precip., Clear, Pt. cloudy, Cloudy).

* Latest date with temperature 32° or below.
† Earliest date with temperature 32° or below.

MONTHLY STATE DATA FOR 1939

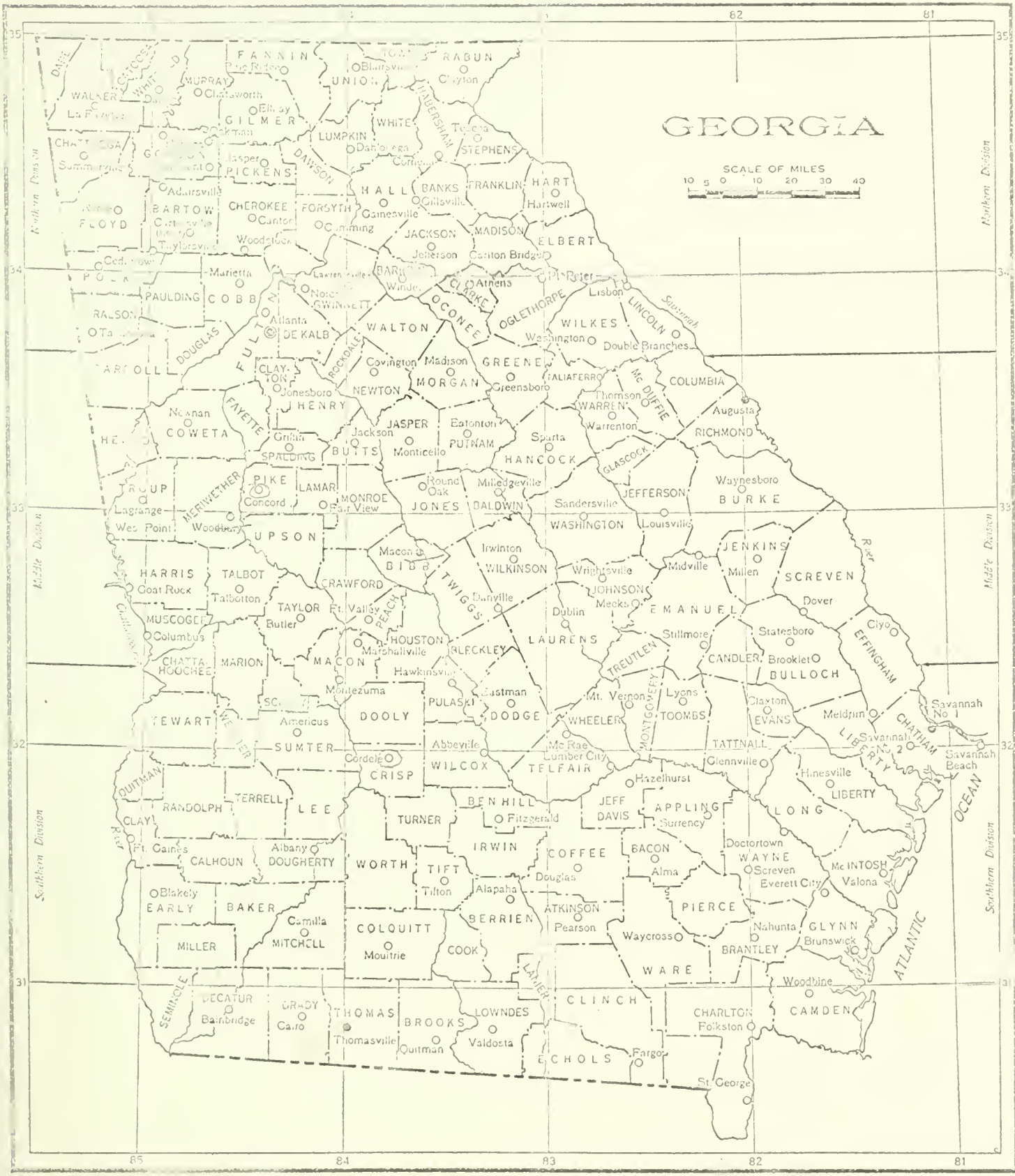
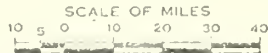
Table with columns: Months, Temperature (Mean, Departure from normal, Maximum, Minimum), Precipitation (Average, Departure from normal, Greatest, Least, No. days with 0.01 inch or more).

TENNESSEE VALLEY AUTHORITY-PRECIPITATION TOTALS YEAR 1939

Table with columns: Stations, Jan., Feb., Mar., Apr., May, June, July, Aug., Sept., Oct., Nov., Dec., An'l.

(WFO, Atlanta, 3-6-40-1075)

GEORGIA



CLIMATOLOGICAL DATA

7

GEORGIA SECTION

G. W. MINDLING

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REMITTANCE PAYABLE TO SUPERINTENDENT OF DOCUMENTS, WASHINGTON, D. C.

VOL. XLIV ATLANTA, GA., YEAR 1940 No. 13

GENERAL SUMMARY

From an agricultural standpoint this was an unusually favorable year. In a statement dated Dec. 26, the Georgia Crop Reporting Service indicated that in spite of a backward spring, record tobacco and peanut yields per acre were produced, the cotton yield appeared to be the highest in the State's history with only three exceptions, while the only crops making abnormally low yields were sugar cane and sweet potatoes.

Temperatures averaged well below normal in every month from January through May. The spring season was moderately dry, and the fall season (September and October) was exceptionally so.

An exceptionally severe tornado cut across the city of Albany on the morning of February 10. Property losses amounted to about \$4,000,000. The number of lives lost was 18. Hundreds of persons were treated for injuries. About 450 dwellings were more or less completely destroyed.

There was a destructive hurricane affecting the State from Savannah to Millen and Dublin on Aug. 11. Two lives were lost and property damage in Savannah and its vicinity amounted to about \$850,000. Houses and other buildings were partially wrecked in numerous places as far from the coast as Dublin and Millen.

THE WEATHER BY MONTHS

JANUARY.—This was the coldest month on record in Georgia with a State average temperature over 3° lower than in February 1895, which was the next coldest month. New low record minimum temperatures occurred in a few northwestern counties, including a new low record for the State, -17° at the cooperative fire-weather station near Lafayette. The cold weather caused heavy losses of vegetables in southern counties, but much satisfaction was felt in the unusual destruction of insect pests. There was a rather spectacular ice storm on the 7th, but it was far from being so destructive as the one of December 1935. One of the greatest snowstorms ever known in Georgia occurred chiefly on the 23d. This left a cover of 4 inches or more southward to LaGrange and beyond Griffin. Southward to Atlanta and Tallapoosa most stations had 10 inches or more.

FEBRUARY.—There were no unusual extremes of temperature, and no very hard freezing occurred after the 4th. But light freezing occurred frequently from about the 14th to the 26th. At the end of the month vegetation was considerably behind its usual stage of development. Rainfall was fairly close to the normal amount except in the drainage areas of the lower Chattahoochee and Flint Rivers, where excessive rains occurred about the 17th to 19th.

MARCH.—Vegetation obtained a late start as a result of the severe cold in January and the continued subnormal temperatures in February and March. By the end of the month, however, a small amount of cotton and corn had been planted in

the southern section; a few Irish potatoes were coming up, and sweet potatoes and tobacco plants were making satisfactory growth in seed beds. Rainfall was heavy over the northern division, where large areas had more than 6 inches; amounts diminished toward the coast region, where some stations had less than 2 inches.

APRIL.—This was the fourth consecutive month with subnormal temperatures. This condition retarded the growth of vegetation and delayed the planting of cotton and corn and other crops to unusually late dates. The month opened with remarkably warm weather, and the temperature rose to 90° at some stations northward beyond Athens on the 2d. But much colder weather followed and serious damage to all kinds of young tender plants occurred on the 13th when freezing temperatures extended almost to the coast region. Ice was reported as far south as Camilla and Lumber City.

MAY.—May was dry and cool. New low temperature records were established at several eastern stations from Cornelia to Louisville. Numerous cool nights retarded crop growth, especially in the northern half of the State, where vegetation was nearly two weeks later than usual at the end of the month. There was a serious deficiency in rainfall in many middle and northern counties until the 24th.

JUNE.—Both temperatures and rainfall presented a fairly close approach to normal conditions. Crop correspondents indicated quite satisfactory growing conditions during most of the month. By the end of June the retarding effects of a backward spring had been well nigh obliterated.

JULY.—The month began with vegetation in a thriving condition. By the 10th there had been excessive and damaging amounts of rain at most places along the Alabama border and eastward from there more than half way across the State. After that showers were less frequent in the southern half of the State, but there was little change farther north for another week.

AUGUST.—This was a month of moderate temperatures with no unusual extremes and no outstanding hot or cool periods. Rainfall was very unevenly distributed, ranging from over 17 inches at Clayton to less than 2 inches at Woodbury.

SEPTEMBER.—This was the driest September in Georgia since the establishment of the Climatological Service in 1892 with a State average rainfall of only 1.04 inches, about 29 percent of the normal amount. The dry weather together with unusually cool nights retarded the growth of unmaturing crops, but the harvesting of hay and cotton went forward under very favorable conditions.

OCTOBER.—The month was unusually dry, and the State average rainfall for September and October together this year was the least on record for any year in these months. Soils became too dry for wheat and oats to germinate in most parts of the State, and there was widespread use of winter feed for cattle.

NOVEMBER.—The fall drought was fairly well relieved on the 1st or 2d in the northern half of the State, but the southern half remained pretty dry until about the 12th.

DECEMBER.—December had adequate rainfall with temperatures well above normal. Temperatures did not fall low enough at any time to injure cereal crops, and winter vegetables did fairly well in the southern section.

Climatological Data for the Year 1940

Table with columns: Stations, Counties, Elevation, Temperature (degrees Fahrenheit), Precipitation (inches), Sky, and Prevailing direction of wind. Includes sections for Northern, Middle, Southern, and State means.

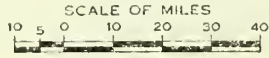
† At CCC Camp F-16, near La Fayette.

† On other dates also.

† Also other months.



GEORGIA



Northern Division

Northern Division

Middle Division

Middle Division

Southern Division

Southern Division

ATLANTIC OCEAN

CLIMATOLOGICAL DATA

7

GEORGIA SECTION

GLEN JEFFERSON

VOL. XLV

ATLANTA, GA., YEAR 1941

No. 13

GENERAL SUMMARY

The year averaged slightly above normal in temperature. With the exception of February and March, every month was above normal, October being exceptionally warm. The deficiencies of February and March were so large as to very nearly offset excesses in other months. Local averages for the year ranged from 57.0° at Blairsville to 69.4° at Brunswick.

The year averaged unusually low in precipitation. The first 5 months were very dry; lack of sufficient rain produced serious drought and left sources of water supply at critically low stages by May. Some relief was afforded during June and July when considerable amounts of rain fell, but persistently low averages from August to November brought a return of drought and low water supply. The rains of June and July came at such frequent intervals that an unusually severe boll weevil infestation developed, causing much detriment to the cotton crop. December, besides being the wettest month of the year, developed into one of the wettest on record. The soil was well soaked, water supplies were replenished, and rivers rose to near flood stages. One of the most notable features of the year was the passage of a damaging hurricane through southern districts near the middle of October.—R. L. C.

THE WEATHER BY MONTHS

JANUARY.—Temperatures averaged near the January normal with no unusual extremes and no prolonged periods of unseasonable weather, either warm or cold. Precipitation averaged only 44 percent of normal and was the driest January since 1928. But, as a result of generous rains during the latter part of the preceding month, the deficiency was more favorable than otherwise.

FEBRUARY.—This month averaged unusually low in temperature. As compared with previous February records, it was the coldest since 1905 and colder than in all other years except 1895 and 1902. Temperatures were almost continuously below normal throughout the month, though minimum temperatures were not exceptional. Precipitation averaged less than 50 percent of normal. The soil dried out considerably, but freedom from rainy weather was favorable for plowing and preparing the land for planting.

MARCH.—This was another unusually cold month, with a marked scarcity of warm days. Lower March averages have occurred only in 1915 and 1926. But notwithstanding the low average, temperatures never fell below 20° except at a few mountain districts. The continued cold weather maintained vegetation in a dormant stage much later than usual. Rainfall was light, but it came at such close intervals that no satisfactory progress could be made in preparing the land for planting.

APRIL.—This was the warmest April since 1929 and the only April in a period of 50 years with no freezing temperatures. Lowest temperatures were never much under 40°, and maximum temperatures, ranging upwards to almost 100°, were near

the record high for April at many places. Rainfall was light, with not much more than 50 percent of normal, but it came at timely intervals.

MAY.—This was a moderately warm and very dry month. Variation in temperatures was greater than usual. Freezing or lower was registered at a few places in the mountains, but remarkably warm weather predominated during most of the period after the 15th. Precipitation averaged only about 25 percent of normal, and except for 1914, was the driest May on record. Persistent deficiencies during this and preceding months had gradually brought water supplies to a very serious stage, and serious drought spread into all parts of the State.

JUNE.—Temperatures averaged about normal with extremes well within the limits of previous June records. Precipitation averaged about 140 percent of normal and was the wettest June in a period of nearly 30 years. It was also the first month since November, 1940, when as much as normal rainfall occurred. The drought was brought to an end, though more rain was needed for water supply reservoirs.

JULY.—Temperatures averaged about normal with smaller variations in extremes than usually registered during July. Rainfall occurred almost every day during the first 25 days in all parts of the State, accumulating an average well above normal. Much needed cultivation was delayed, and infestation of boll weevils became quite severe.

AUGUST.—This was one of the warmest Augusts on record, though temperature extremes were not unusual. Warm weather persisted throughout the month with little interruption. Rainfall averaged below normal, but came at frequent intervals and kept most districts well supplied with moisture. Boll weevil infestation continued to a very serious degree.

SEPTEMBER.—This was an unusually warm and rather dry month. Temperatures were particularly high during the first 10 days, causing considerable drying of the soil. Very little rain occurred prior to the 25th except for generous showers in the southern division about the middle of the month. Vegetation was greatly in need of additional moisture by the close of the month.

OCTOBER.—This was a dry month and the warmest October since 1919. Maximum temperatures reached 90° or higher in every part of the State, and freezing or lower occurred at only 3 stations. Lack of sufficient rain produced a serious shortage of water supply in the northern part of the State; some relief was afforded in southern districts by heavy to excessive rains that fell during the passage of a hurricane through that section on the 8th. The storm also caused much damage to trees, buildings, communication lines, etc.

NOVEMBER.—Temperatures averaged about normal. Freezing temperatures and injurious frosts killed or severely injured most vegetation and unharvested crops. Rainfall was inadequate, some districts reporting little more than 0.50 inch.

DECEMBER.—This was an unusually warm and wet month. Temperatures were above normal during most of the month. There were two separate cold periods during each of which temperatures as low as 25° occurred far down into the State. Numerous heavy rains occurred throughout the State and resulted in an average of more than 170 percent of normal. Extended periods of fair weather, however, offset considerably the effects of copious rains.—R. L. C.

Monthly and Annual Precipitation for the Year 1941, with Departures from the Normal

Table with columns for Stations, months (January-December), and Annual. Rows are categorized into Northern, Middle, and Southern divisions. Each cell contains precipitation and departure values.

* Plus. § Minus.

KILLING FROSTS

Table with columns: Stations, Last in spring, First in autumn, Stations, Last in spring, First in autumn. Divided into Northern, Middle, and Southern divisions.

* Latest date with temperature 32° or below.
† Earliest date with temperature 32° or below.

MONTHLY STATE DATA FOR 1941

Table with columns: Months, Temperature (Mean, Departure from normal, Maximum, Minimum), Precipitation (Average, Departure from normal, Greatest, Least), No. days with 0.01 inch or more.

ANNUAL CLIMATOLOGICAL DATA FOR THE STATE

Table with columns: Year, Temperature (Mean, Highest, Lowest), Precipitation (Northern, Middle, Southern, Average, Average snowfall), Number of days (Precip. 0.01 or more, Clear, Pt. cloudy, Cloudy).

Period..... 63.9 111 -17 52.54 47.77 48.92 49.74 1.2 99 168 99 98

TENNESSEE VALLEY AUTHORITY-PRECIPITATION TOTALS YEAR 1941

Table with columns: Stations, Jan., Feb., Mar., Apr., May, June, July, Aug., Sept., Oct., Nov., Dec., An'l.

Climatological Data for the Year 1942

Table with columns: Stations, Counties, Elevation, Temperature (degrees Fahrenheit), Precipitation (inches), Sky, and Prevailing direction of wind. Rows are categorized into Northern division, Middle division, and Southern division, including various Georgia locations like Athens, Augusta, and Savannah.

† On other dates also.

‡ Also other months.

Monthly and Annual Precipitation for the Year 1942, with Departures from the Normal

Table with columns for Stations, months (January-December), and Annual. Rows are categorized into Northern, Middle, and Southern divisions. Each cell contains two values: Precipitation and Departure.

† Estimated. * Plus. ‡ Minus. Record for Hollywood January to August inclusive; Cornelia September through December.

Monthly and Annual Average Temperatures for the Year 1942, with Departures from the Normal

Table with columns for Stations, months (January-December), and Annual. Each month has two sub-columns: Temperature and Departure. Rows are grouped into Northern, Middle, and Southern divisions.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc. Record at Hollywood January to August inclusive; Cornelia September through December.

ANNUAL CLIMATOLOGICAL DATA FOR THE STATE

Table with columns: Year, Temperature (Mean, Highest, Lowest), Precipitation (Northern, Middle, Southern, Average, Average snowfall, Precip. 0.1 or more, Clear, Pt. cloudy, Cloudy), and Number of days.

KILLING FROSTS

Table with columns: Stations, Last in spring, First in autumn, Stations, Last in spring, First in autumn. Divided into Northern, Middle, and Southern divisions.

* Latest date with temperature 32° or below.
† Earliest date with temperature 32° or below.

SUPPLEMENTARY PRECIPITATION TOTALS TABLE - 1942

Table with columns: Stations, Jan, Feb, Mar, Apr, May, June, July, Aug, Sept, Oct, Nov, Dec, Ann'l.

MONTHLY STATE DATA FOR 1942

Table with columns: Months, Temperature (Mean, Departure from normal, Maximum, Minimum), Precipitation (Average, Departure from normal, Greatest, Least), and No. days with 0.01 inch or more.

† Hydrologic Reorder Station.

(WBO, Atlanta, 3-6-43-1075)



CLIMATOLOGICAL DATA

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GEORGIA SECTION

A. J. KNARR

VOL. XLVII ATLANTA, GA., YEAR 1943 No. 12

GENERAL SUMMARY

The year averaged very near normal in temperature and almost 3 inches below normal in precipitation.

The first two months were well above normal in temperature, with subnormal averages in March and April. Unusual warmth predominated from May through August, and the summer was the warmest on record, except 1925. Subnormal averages occurred from September through December. Highest temperatures of the year, occurring quite generally in June with almost as great a degree of warmth in August, ranged from slightly lower than 100° to 106°. Lowest temperatures occurred early in March or about the middle of December, with readings as low as 2° in the far north and 22° on the coast.

Subnormal precipitation averages occurred in all months except January, March, May, and December. January and March were especially wet months, in both of which excessive rains produced damaging river floods extensively over the State. The persistent insufficiency of rainfall after May brought on a moderately severe drought that reached its greatest proportions during October and November; the resulting damage to crops, though considerable, was not nearly as severe as those during the droughts of 1925 and 1930, when scarcity of water and crop losses were pronounced. The greatest yearly precipitation occurred at Clayton, Columbus, and West Point, where totals were more than 60 inches; least totals of slightly less than 40 inches, occurred in 3 separate areas, Monticello to Augusta, Brooklet to Brunswick, and Cordele to Albany.

THE WEATHER BY MONTHS

JANUARY.—The worst feature of the month's weather was the occurrence of tornadoes and windstorms in three separate areas of central and southwestern counties shortly after the middle of the month in which 6 people were killed, 50 or more injured, and more than \$300,000 in property damage done. Excessive precipitation about the same time produced serious river floods from which property damages were at least \$100,000. The month, as a whole, was well above normal in both temperature and precipitation. Exceptionally warm weather occurred in two periods after the 15th, and rather low temperatures prevailed on the 6th and 20th.

FEBRUARY.—Although unusually cold weather occurred between the 14th and 17th, and again at the close of the month, yet, owing to excessive warmth during most of the remainder of the month, the State average temperature was moderately above normal. Precipitation, occurring almost exclusively on the 4th to 6th and 11th, averaged only 37% of normal, which caused depletion of soil moisture generally, though not seriously so. Early crops and peach buds were killed or seriously injured by hard freezes and frosts about the 15th.

MARCH.—This was an unusually cold and wet month, which was decidedly unfavorable for agriculture. Except for above normal warmth during the second decade, temperatures were persistently below normal, and minimum temperatures on the 4th at many places fell below previous records for March. Rainfall occurred very frequently and heavy to excessive falls between the 17th and 22d produced river floods generally over the State, causing damages of about \$120,000.

APRIL.—Averages in both temperature and rainfall were very nearly normal. Heavy frosts, accompanied by minimum temperatures on the 14th or 15th, which were very near or below previous low April records, killed or severely injured most growing crops, making large replantings necessary. Rainfall, though occurring infrequently, was mostly sufficient to maintain satisfactory soil moisture except in the southeast.

MAY.—Weather conditions this month were more favorable for crops than those of preceding months. Temperature extremes were unusually moderate for the season, though the State average was somewhat above normal. Rainfall, which occurred chiefly from the 9th to 12th and 23d to 26th, produced monthly totals of about 2 to 6 inches, which were sufficient to maintain satisfactory soil moisture rather generally. A small tornado, striking in central Jenkins County on the 12th, caused property damage of several hundred dollars.

JUNE.—Abnormal warmth persisted almost continuously throughout the month, making it the warmest June on record except in 1897, 1911, and 1914. Rainfall was rather frequent after the 6th, producing variable totals of 1 to 9 inches. Crops made very good progress, though overabundant moisture was beginning to impair quality of crops by the close of the month.

JULY.—Temperatures were rather moderate for the season, with a monthly average only a fraction above normal. Rainfall occurred very frequently, providing considerably more moisture to the soil than was needed. Rainfall was irregularly distributed, with monthly totals ranging from about 1 to 13 inches; the State average, however, was about 0.50 inch below normal.

AUGUST.—The month was hot and sultry, producing an average temperature that has been exceeded only 5 times in previous August records. Rainfall was fairly frequent during the first 15 days, after which very little occurred, and the State average was considerably below normal. Rapid progress was made in harvesting, though deterioration from dryness was affecting practically all crops by the close of the month.

SEPTEMBER.—Consistently low temperatures after the 8th gave one of the lowest September averages on record. Temperature extremes ranged from well above 90° to almost freezing. Unusually dry weather, continuing from the preceding month, was broken by heavy to excessive rains between the 19th and 22d, though soil moisture was generally inadequate by the close of the month.

OCTOBER.—The month was considerably below normal in both temperature and rainfall. Freezing temperatures and injurious frosts extended into every part of the State on the 13th. Moderately severe drought developed during the month, with at least 75% of the southern third of the State having no rain at all. This caused great delay in fall plowing and seeding and late vegetables and pastures practically dried up.

NOVEMBER.—The fall drought continued, though moderately heavy rains on the 8th provided temporary but substantial relief. No other rains occurred during the month except on the 3d in the north and generally on the 29th. Temperatures averaged moderately below normal, with freezing occurring rather generally on the 10th, 11th, 12th, 17th, 18th, 24th, 25th, and 26th.

DECEMBER.—Remarkably warm weather occurred between the 2d and 10th, but deficiencies later in the month were sufficient to make the State average slightly below normal. Rainfall was mostly light until the 14th when moderate to heavy falls occurred in central and southern counties. Heavy to excessive rains on the 25th and 26th accounted for more than one-half the month's total, which averaged somewhat below normal.—R. L. C.

Monthly and Annual Precipitation for the Year 1943, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual		
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	
Northern division																											
Athens, No. 1	8.31	+4.05	1.20	-3.88	7.02	+2.02	5.60	+1.87	1.87	-1.72	7.57	+3.66	6.91	+1.78	2.51	-2.16	2.90	-0.56	0.24	-2.99	2.21	-0.40	3.63	-1.45	49.97	+0.22	
Athens, No. 2	8.54	.....	1.19	.....	8.12	.....	5.56	.....	2.08	.....	7.66	.....	5.91	.....	1.96	.....	3.14	.....	0.27	.....	2.59	.....	4.25	.....	51.27	.....
Atlanta Airport	6.09	+1.06	0.99	-4.07	8.02	+2.61	5.70	+1.98	8.75	+0.33	6.63	+2.69	2.70	-2.14	2.68	-2.02	2.37	-0.67	0.47	-2.22	2.61	-0.50	2.38	-2.41	44.39	-5.36	
Atlanta [City]	5.64	+0.69	1.31	-3.48	7.43	+2.13	6.14	+2.53	4.20	+0.73	1.97	-1.77	3.29	-1.36	2.83	-1.62	2.93	-0.66	0.85	-1.74	2.41	-0.62	2.40	-2.30	41.40	-6.87	
Blairsville	5.44	-0.14	3.55	-1.49	7.00	+2.09	3.60	-0.43	3.10	-0.77	4.30	+0.58	5.75	+0.14	1.57	-3.41	4.65	+1.59	1.05	-2.19	1.75	-0.84	2.86	-2.71	44.62	-7.58	
Canton	3.29	-1.50	3.33	-2.16	7.83	+2.34	5.28	+1.09	3.14	-0.74	2.65	-1.28	3.94	-1.55	3.46	-1.22	3.33	+0.47	1.44	-2.11	1.84	-1.37	3.74	-2.40	43.47	-10.43	
Carlton Bridge	7.43	+3.55	1.45	-3.62	6.58	+1.81	4.78	+1.41	2.18	-1.30	5.63	+1.53	3.95	-0.82	1.26	-3.22	3.33	-0.29	0.29	-2.69	2.23	-0.44	4.30	-0.51	43.41	-4.59	
Cartersville	2.81	.....	2.36	.....	7.10	.....	5.39	.....	1.89	.....	0.90	.....	3.77	.....	4.26	.....	2.95	.....	0.89	.....	1.51	.....	3.22	.....	37.05	.....
Cedartown	3.55	.....	2.41	.....	8.03	.....	6.70	.....	3.83	.....	2.94	.....	2.13	.....	4.67	.....	3.51	.....	1.64	.....	1.63	.....	3.38	.....	44.42	.....
Clayton	6.39	+0.31	3.66	-2.68	8.60	+1.48	6.30	+0.75	5.00	-0.12	5.33	-0.25	7.04	-0.01	6.79	+0.30	4.64	-0.79	3.67	-1.25	2.74	-1.44	3.21	-2.44	64.37	-8.34	
Cornelia	7.97	+3.04	3.06	-2.59	7.01	+1.23	7.14	+2.58	4.58	+0.22	7.83	+3.85	5.22	-0.68	6.54	+1.82	4.66	+0.14	1.94	-1.94	2.12	-1.24	.....	.....	.....	.....
Dahlonega	5.78	+0.27	4.24	-1.62	8.03	+2.02	5.97	+1.43	5.02	+0.13	3.35	-1.37	8.39	+2.76	3.39	-1.76	3.95	-0.42	3.71	-0.18	2.11	-1.51	3.47	-3.72	57.31	-3.97	
Dalton	2.81	.....	2.53	.....	7.22	.....	4.38	.....	3.67	.....	2.67	.....	7.24	.....	3.25	.....	7.20	.....	2.21	.....	1.40	.....	3.11	.....	47.69	.....
Gainesville	4.92	+0.18	1.65	-3.73	6.24	+0.61	6.23	+2.24	3.20	-0.80	3.37	-0.76	5.32	-0.03	2.25	-1.76	4.39	+0.70	1.64	-1.61	2.26	-0.80	3.41	-2.05	45.48	-7.11	
Hartwell (near)	8.87	+4.90	1.49	-3.55	5.92	+1.24	4.79	+1.21	2.13	-1.52	6.46	+2.45	5.53	+1.07	3.78	-1.04	4.24	+0.83	0.41	-2.76	1.80	-0.90	3.86	-1.19	49.28	+0.74	
Jasper	3.67	.....	3.38	.....	8.48	.....	4.02	.....	4.03	.....	2.77	.....	4.27	.....	3.14	.....	.....	.....	1.94	.....	1.90	.....	3.53	.....	44.88	.....
Lafayette	2.36	-2.31	2.79	-2.17	7.69	+2.88	5.40	-0.25	1.74	-1.40	2.28	-2.83	4.57	-1.08	3.26	-1.72	5.66	+2.75	1.42	-1.04	1.29	-1.27	3.45	-1.06	41.91	-9.45	
Norcross	4.68	+0.04	1.47	-3.76	7.72	+2.59	5.92	+1.87	3.18	-0.55	7.91	+3.90	5.80	-0.08	1.19	-1.22	4.14	+1.32	2.04	-0.96	2.62	-0.36	3.07	-2.55	51.26	+0.24	
Resaca	4.02	-0.78	3.14	-2.36	7.69	+1.84	4.48	-0.15	3.23	-0.61	5.84	+1.56	9.12	+4.13	3.07	-1.21	4.65	+1.64	1.87	-1.45	1.69	-1.78	4.55	-1.42	53.35	-0.69	
Rome	3.37	-1.45	3.29	-2.38	9.34	+3.51	6.09	+1.66	3.71	-0.43	5.52	+0.93	4.65	-0.38	6.55	+1.98	3.69	+0.66	1.84	-1.41	1.76	-1.69	3.39	-2.45	51.11	-3.31	
Tallahassee	2.66	-1.84	1.31	-3.78	9.79	+4.44	3.75	-0.60	4.03	+0.21	3.11	-1.10	4.46	-0.94	3.22	-1.28	3.98	+0.38	1.36	-1.67	2.45	-0.77	2.69	-2.85	42.81	-9.80	
Toccoa	5.99	+0.99	2.78	-2.78	6.38	+0.46	6.90	+2.46	4.15	+0.16	7.82	+3.30	6.01	+0.61	6.29	-1.01	5.00	+0.88	2.24	-1.91	1.95	-1.29	4.08	-2.02	57.99	-0.49	
Washington	8.41	+4.31	2.74	-2.38	7.11	+2.39	3.30	-0.29	2.69	-0.70	4.43	+0.19	5.19	-0.14	1.46	-3.20	3.70	-0.39	0.39	-2.74	2.68	-0.07	3.42	-0.97	45.55	-3.99	
Middle division																											
Augusta	4.08	+0.15	1.11	-3.00	7.17	+3.06	2.88	-0.26	2.42	-0.62	3.48	-1.20	6.74	+1.35	2.11	-2.92	2.02	-1.34	0.01	-2.45	1.93	-0.47	5.22	+1.97	39.17	-5.73	
Brooklet	3.63	+0.65	1.86	-1.76	1.03	+0.25	2.59	-0.50	3.46	-0.28	3.32	-2.86	3.66	-2.40	7.37	+1.23	3.28	-1.39	0.00	-2.40	2.25	-0.20	3.90	+0.70	39.35	-8.96	
Carrollton	4.99	+0.20	1.18	-3.39	8.55	+2.35	3.84	-0.25	3.54	+0.60	3.74	-0.03	3.83	-0.78	3.05	-1.72	1.96	-1.16	3.37	+0.51	2.50	+0.37	4.19	-0.48	44.74	-4.55	
Columbus	5.92	+1.72	1.25	-3.98	15.69	+10.39	2.64	-1.21	7.95	+4.64	4.64	+0.79	5.03	-0.20	5.32	+0.82	4.04	+1.38	1.40	-1.48	3.65	+0.32	3.45	-1.52	61.38	+12.17	
Concord	6.90	+2.86	1.79	-3.45	11.68	+5.58	3.75	+0.18	4.81	+1.51	3.69	-1.18	4.83	-0.97	1.28	-3.16	1.99	-1.01	0.25	-2.54	4.48	+1.68	3.85	-1.97	49.20	-1.57	
Covington	8.35	+3.99	1.59	-3.48	8.67	+3.50	4.48	+0.69	3.14	-0.69	3.44	-0.69	3.34	-0.21	3.34	-1.13	4.13	+0.99	0.11	-3.05	3.18	+0.36	1.46	-0.94	47.42	-3.16	
Dublin	10.32	+6.24	1.62	-2.78	7.52	+2.89	3.02	-0.22	5.03	+1.47	3.50	-1.38	7.17	+1.50	3.34	-1.13	1.99	-1.99	0.03	-2.48	1.37	-1.35	4.51	+0.58	49.57	+0.94	
Experiment	8.00	+4.37	1.68	-3.46	11.19	+6.29	4.63	+1.33	3.47	+0.49	2.61	-0.79	3.98	-0.91	4.99	+0.91	4.18	+1.46	0.34	-2.32	4.48	+1.79	4.02	-4.01	53.57	+9.85	
Fair View	5.65	+1.50	1.42	-3.41	9.58	+4.02	2.76	-1.04	4.43	+1.22	3.29	+0.04	5.37	+0.52	4.60	+0.81	1.72	-1.30	0.15	-2.43	2.28	-0.45	3.29	-1.22	44.49	-1.74	
Fort Valley	8.36	+4.12	1.01	-3.96	10.07	+4.83	4.15	-0.06	5.51	+1.93	5.20	+0.70	6.02	+0.47	6.67	+0.41	1.66	-1.53	0.13	-3.22	1.18	-0.82	3.87	-0.68	48.83	-2.23	
Goat Rock	4.79	+1.09	1.20	-3.45	14.18	+9.14	2.85	-1.64	5.59	+2.71	3.11	+0.19	4.00	-1.62	4.22	-0.53	2.28	-0.38	0.08	-2.54	4.52	+1.66	4.18	-1.74	50.51	+4.93	
Greensboro	6.80	+2.75	2.57	-2.50	7.76	+3.12	4.25	+0.72	2.08	-1.37	2.38	-1.84	3.99	-1.21	1.66	-3.46	2.11	-1.45	0.40	-2.70	2.48	-0.25	3.29	-1.14	39.77	-9.33	
Groffville	8.06	+3.89	2.14	-3.21	11.57	+6.12	4.37	+0.53	3.54	+0.40	2.61	-1.21	2.95	-2.18	3.28	-1.30	3.02	-0.11	0.28	-2.51	4.27	+1.47	4.34	-0.58	50.42	+3.11	
Lagrange	7.69	+3.28	1.60	-3.21	10.40	+4.58	3.84	-0.38	4.23	+0.89	5.88	+1.83	5.34	+0.05	4.55	+0.92	1.17	-1.86	1.21	-1.63	3.06	+0.03	3.35	-1.39	53.33	+3.31	
Louisville	6.73	+3.12	1.45	-2.82	.....	.....	.....	.....	3.56	+0.14	4.72	+1.50	4.20	-3.12	.....	.....	4.49	+0.95	.....	.....	2.08	-4.01	5.00	+1.50	.....	.....
Marion	9.80	+5.66	1.10	-3.33	7.99	+3.02	3.84	+0.69	5.79	+2.83	3.00	-1.64	5.09	+0.35	1.63	-2.71	1.41	-1.78	0.19	-2.15	2.21	-0.31	3.19	-0.80	45.27	+0.43	
Milledgeville	6.47	+2.44	1.61	-3.04	7.42	+2.69	3.51	+0.10	3.16	-0.05	5.29	+1.20	3.26	-2.68	4.94	+0.33	1.88	-1.76	0.27	-2.61	3.60	+1.02	3.85	-2.00	45.26	-2.56	
Millen	4.90	+1.59	1.43	-3.41	7.72	+3.83	3.05	-0.07	6.61	+3.54	4.64	+1.31	7.97	+1.44	4.27	-0.44	3.50	-0.39	0.21	-2.26	1.80	-0.40	5.12	-1.63	50.04	+4.75	
Monticello	6.63	+2.29	1.82	-3.62	8.33	+3.05	4.11	+0.33	2.91	-0.69	3.50	-1.45	2.91	-2.61	2.69	-2.21	1.90	-1.68	0.51	-2.91	2.30	-0.44	3.19	-1.50	40.80	-11.44	
Newnan	8.54	+3.88	1.34	-3.47	10.86	+4.97	4.18	+0.41	4.55	+0.83	1.65	-2.50	8.07	+3.16	4.56	-0.22	3.39	+0.49	1.28	-1.69	2.62	-0.45	3.02	-2.33	54.06	+2.52	
Stallhome	4.26	+0.97	1.64	-2.15	5.93	+1.71	4.01	+0.99	2.80	-0.90	7.69	+2.62	9.75	+2.08	2.66	-2.42	6.38	+2.37	0.08	-2.21	1.49	-0.95	4.41	+1.33	51.10	+3.44	
Talbotton	6.26	+1.94	1.11	-4.24	14.15	+8.58	4.59	+0.54	7.55	+3.94	1.17	-2.09	6.09	+0.74	4.89	+0.40	1.73	-1.49	0.10	-2.90	2.67	-0.42	3.79	-1.15	54.10	+3.04	
Warrenton	5.91	+1.94	1.37	-3.43	6.99	+2.45	3.19	-0.02	3.34	+0.24	3.25	-0.85	4.72	-0.39	2.62	-1.72	1.88	-2.12	0.23	-2.75	1.82	-0.88	4.73	+0.79	40.08	-6.74	
Waynesboro	5.76	+2.45	1.69	-2.39	6.35	+2.57	1.99	-0.86	4.87	+1.71	1.12	-1.60	6.39	+0.66	2.61	-2.02	4.54	+1.08	0.03	-3.85	1.41	-0.89	4.62	+1.26	43.28	-0.52	
West Point	6.72	+2.35	1.34	-3.89	12.71	+6.95	4.09	-0.09	6.31	+2.56	5.95	+1.55	7.95	+2.76	7.64	+2.87	3.53	+0.64	2.92	+0.19	4.47	+1.41	3.77	-1.74	67.40	+15.96	
Woodbury	6.05	+2.09	1.72	-3.43	12.62	+6.56	3.22	-0.33	3.91																		

Monthly and Annual Temperatures for the Year 1943, with Departures from the Normal

Table with columns for Stations, months (January-December), and Annual. Each month has Temperature and Departure sub-columns. Rows are grouped into Northern, Middle, and Southern divisions.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc. § Partly interpolated.

ANNUAL CLIMATOLOGICAL DATA FOR THE STATE

Table with columns for Year, Temperature (Mean, Highest, Lowest), Precipitation (Northern, Middle, Southern, Average, Average snowfall, Precip. of more or less, Pt. cloudy), and Number of days (Pt. cloudy, Cloudy). Rows list years from 1892 to 1943 and a Period summary.

KILLING FROSTS

Table with columns for Stations, Last in spring, First in autumn, Stations, Last in spring, First in autumn. Divided into Northern, Middle, and Southern divisions. Lists various Georgia locations and their frost dates.

* Latest date with temperature 32° or below.
† Earliest date with temperature 32° or below.

SUPPLEMENTARY PRECIPITATION TOTALS TABLE 1943

Table with columns for Stations, Jan., Feb., Mar., Apr., May, June, July, Aug., Sep., Oct., Nov., Dec., Ann'l. Lists precipitation totals for 1943 for various stations.

MONTHLY STATE DATA FOR 1943

Table with columns for Months, Temperature (Mean, Departure from normal, Maximum, Minimum, Average), Precipitation (Departure from normal, Greatest, Least), and No. days with 0.01 inch or more. Rows list months and a Year summary.

‡ Hydrologic Recorder Station. (WBO, Atlanta, 5-9-44-1075)



CLIMATOLOGICAL DATA

7 GEORGIA SECTION

A. J. KNARR

VOL. XLVIII ATLANTA, GA., YEAR 1944 No. 13

GENERAL SUMMARY

The year, 1944, as a whole, was moderate in temperature, with a substantial excess in precipitation. The most noteworthy features of the year include the tornadoes of February and April, hail damage of April, windstorms of June, the hurricane of October, and unseasonably late crop plantings.

Except for September, deficiencies in temperature occurred in each month from July through December. Large excesses occurred in February and June, and December was the coldest month.

Yearly precipitation ranged from less than 40 inches at the Atlanta Airport and near Augusta to more than 70 inches in a small area southwest of Savannah. The combined total of the three wet months, February, March, and April, almost equaled the total of the period, May through December.

The frequency and more or less heavy character of rainfall during February, March, and April, prevented or greatly retarded crop plantings, some of which were not completed before June. Crops later made a good recovery, and a fairly good season was realized; nevertheless, some crops were only poor to fair. Deficient rainfall after May, owing to favorable distribution and frequency, caused no serious depletion of soil moisture, except locally.—R. L. C.

THE WEATHER BY MONTHS

JANUARY.—This was a favorable month for agricultural purposes; only slight deficiencies in both temperature and precipitation monthly averages occurred. Unfavorably cold weather prevailed between the 12th and 14th, but thereafter temperatures were almost constantly above normal. Rain occurred in 3 well distributed periods during the first 15 days, after which there was very little.

FEBRUARY.—The monthly mean temperature was almost 6° above normal, with unusually high maxima for February, but markedly cold weather occurred about the 12th. Rain occurred with great frequency and there were numerous heavy daily falls, especially in the north. Early farm work was delayed. Tornadoes caused considerable damage at Barnesville on the 9th and in several northern counties on the 25th.

MARCH.—Mostly moderate temperatures prevailed, though low temperatures and frosts on the 9th injured early crops. Rainfall occurred at frequent intervals, especially after the 16th, producing the greatest March average on record; more than 70 stations had totals exceeding 10 inches. Crop plantings and other farm work were practically impossible and were far behind the normal schedule at the close of the month.

APRIL.—Farm work was greatly aided by mostly dry weather during the first 8 days, but after this until the 27th rainy

weather predominated, giving a State average precipitation almost double the April normal. Temperatures averaged moderately below normal; injurious frosts and low temperatures were widespread on the 6th, while midsummer warmth occurred between the 8th and 24th. Tornadoes in the north on the 11th and 16th, chiefly in the Royston area on the latter date, killed 24 persons, injured many more, and left damages of more than \$1,000,000.

MAY.—The month was unusually warm and quite dry. An unusually large number of days with 90° or higher occurred, with deficiencies limited to the period, 6-9th. Rainfall was mostly light and scattered, but did not severely retard crop growth until late in the month.

JUNE.—Almost continuously hot weather prevailed throughout the month, with 100° to 106° occurring generally about the 18th and 23d, and the monthly average was one of the highest for June on record. Very large deficiencies of rainfall, especially in northern and western counties, caused considerable crop deterioration, though a favorable reaction was taking place late in the month. Minor to moderate damage from windstorms, hail, or lightning, occurred in several eastern and central areas on the 14th, 19th and 24th.

JULY.—Although 90° temperatures occurred frequently, marked deficiencies early in the month were effectual in making the monthly average more than 1° below normal. Rain was rather light, except in the southeast, where 10 stations had more than 10 inches. Wind and hail in the north on the 9th and 19th caused considerable damage to property and crops.

AUGUST.—Both temperatures and rainfall averaged moderately below normal. Highest temperatures fell under 100° for the first time in August since 1914. Rainfall was mostly too light except in the southeast, where a few station totals were 8 to 13 inches, with consequent deterioration from wetness to crops.

SEPTEMBER.—Very moderate temperatures prevailed, with abnormal warmth during the first week and moderate deficiencies in the second week. Rain occurred often enough to maintain satisfactory soil moisture without impeding harvest operations too much. Heavy to excessive rains occurred on the 10-11th in the coastal area due to the distant passing of a hurricane.

OCTOBER.—Temperatures averaged moderately below normal, with deficiencies almost every day after the 8th, prior to which abnormally warm weather prevailed. Rainfall was very light to very moderate, except on the 19th when heavy to excessive falls occurred widely in connection with the passage near the coast of a rather severe hurricane. The storm caused damages on and near the coast amounting to more than \$250,000.

NOVEMBER.—Precipitation averaged about normal, with substantial amounts on the 19th and during the last week; very little rain occurred during the first 18 days. Temperatures averaged moderately below normal; freezing temperatures and killing frosts occurred on the 6th in the north and more extensively by the 22d.

DECEMBER.—The month was considerably below normal in both temperature and precipitation, but weather conditions were not unusually severe. Temperature deficiencies were almost continuous during the first 20 days, after which practically no freezing weather occurred. Although precipitation averaged less than 50% of normal, daily amounts were well distributed and kept the soil fairly well supplied with moisture.

Climatological Data for the Year 1944

Stations	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)						Sky				Prevailing direction of wind		
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Number rainy days	Number clear days	Number partly cloudy days		Number cloudy days	
<i>Northern Division</i>																					
Athens, No. 1	Clarke	775	63	61.5	99	June 18	17	Feb. 13	70	53.88	9.22	Mar.	1.99	Nov.	0.5	130	97	177	92	ne.	
Athens, No. 2	do	725	9	62.1	102	June 18†	15	Dec. 3†	9	50.25	9.98	Mar.	1.43	June	0.5	94	111	106	149	nw.	
Atlanta Airport 7 mi. S.	Fulton	975	14	62.1	101	June 18	16	Feb. 13	14	39.50	7.18	Feb.	0.74	June	T.	129	111	106	149	nw.	
Atlanta [City]	do	1,054	78	61.6	98	June 18	16	Feb. 13	78	44.39	8.24	Apr.	0.95	Oct.	T.	111	111	106	149	nw.	
Blairstown 2 miles SE.	Union	1,938	13	56.8	96	June 18	2	Dec. 15	13	50.72	10.65	Feb.	0.88	Oct.	5.0	101	111	106	149	nw.	
Canton	Cherokee	894	55	61.1	103	June 18	2	Dec. 15	55	54.81	10.78	Feb.	0.68	June	T.	115	111	106	149	nw.	
Carlton Bridge†	Elbert	500	51	61.1	102	June 18	11	Dec. 3†	46	46.12	8.94	Mar.	1.90	Dec.	0.0	108	111	106	149	nw.	
Cartersville	Bartow	772	6	62.1	103	June 18	14	Feb. 13	8	46.78	10.05	Feb.	0.97	Oct.	T.	115	186	97	83	nw.	
Cedartown	Polk	797	8	62.0	103	July 17	13	Feb. 13	11	50.94	11.14	Feb.	1.27	July	T.	116	111	106	149	nw.	
Clayton	Rabun	2,000	49	58.2	98	June 18	11	Dec. 3†	50	67.86	13.07	Mar.	1.17	July	12.0	111	227	64	75	nw.	
Cornelia	Habersham	1,500	25	61.1	103	June 18	11	Dec. 3†	26	50.42	8.78	Mar.	1.17	July	T.	116	111	106	149	nw.	
Dalhousie	Lumpkin	1,519	53	61.1	103	June 18	9	Feb. 13	54	64.88	13.29	Feb.	1.52	Oct.	2.3	128	193	103	70	sw.	
Dalton	Whitfield	710	9	60.7	100	July 17	16	Feb. 13	9	52.35	10.52	Mar.	1.37	Oct.	4.0	102	103	72	191	n.	
Gainesville	Hall	1,254	65	60.6	99	June 18†	15	Feb. 13	67	55.18	10.41	Mar.	1.77	Oct.	1.2	121	177	70	119	w.	
Hartwell 5 miles NE.	Hart	750	44	61.8	103	June 19	15	Feb. 13†	44	42.58	8.12	Mar.	0.19	June	4.0	95	111	208	47	w.	
Jasper	Pickens	1,480	5	60.2	101	June 22†	8	Feb. 13	8	53.36	11.42	Mar.	1.22	Oct.	3.0	106	146	87	133	e.	
La Fayette	Walker	950	10	61.2	103	June 18†	13	Feb. 13	14	52.30	10.82	Mar.	0.81	Oct.	2.2	120	159	84	123	se.	
Norcross 4 Miles N.	Gwinnett	1,025	30	61.1	103	June 18	13	Feb. 13	30	46.69	9.86	Feb.	1.17	Oct.	T.	118	111	106	149	nw.	
Rosaca	Gordon	657	53	61.1	103	June 18	13	Feb. 13	53	54.60	11.21	Mar.	1.30	Oct.	1.2	130	111	106	149	nw.	
Rome	Floyd	617	63	62.0	102	June 18†	14	Feb. 13	88	48.47	11.61	Mar.	0.98	June	T.	130	183	98	85	e.	
Tallapoosa 2 miles NW	Haralson	1,000	48	60.0	99	June 18†	13	Feb. 13†	48	50.37	8.13	Apr.	1.20	Oct.	T.	82	212	66	88	e.	
Toccoa	Spalding	1,050	58	61.7	100	June 18†	12	Feb. 13	59	58.44	12.47	Mar.	1.86	Oct.	3.3	123	146	119	101	w.	
Washington	Wilkes	630	54	63.9	103	June 18†	16	Feb. 13†	56	41.80	11.34	Mar.	1.30	May	0.0	100	189	77	100	e.	
Division means and extremes				61.1	103	June 18†	2	Dec. 15	51.11	13.55	Feb.	0.19	June	3.9	114	163	102	101	101	w.	
<i>Middle Division</i>																					
Augusta	Richmond	134	88	65.0	103	June 23	22	Dec. 15	79	40.27	9.30	Mar.	0.97	Dec.	T.	123	136	104	126	nw.	
Brooklet	Bulloch	150	53	65.0	104	June 18	20	Dec. 15	50	62.70	11.18	Mar.	0.73	Dec.	0.0	111	160	145	61	nw.	
Carrollton	Carroll	1,095	21	65.0	101	June 19	19	Dec. 15	18	41.71	8.00	Apr.	0.56	Oct.	T.	94	111	106	149	nw.	
Columbus	Muscogee	262	56	66.8	104	June 18	23	Feb. 13	56	62.75	14.02	Mar.	1.29	May	0.3	126	187	89	90	sw.	
Concord	Pike	825	32	62.7	104	June 18	14	Feb. 13	32	50.30	10.58	Mar.	0.62	Oct.	T.	107	176	113	77	sw.	
Covington*	Newton	747	32	62.7	104	June 18	14	Feb. 13	59	49.74	9.58	Mar.	1.24	Oct.	0.0	105	111	106	149	nw.	
Dublin	Laurens	234	36	65.3	104	June 18	18	Dec. 15	53	50.86	9.91	Mar.	1.29	Dec.	T.	125	97	172	97	nw.	
Experiment	Spalding	946	24	61.8	99	June 18	17	Feb. 13	23	57.38	10.23	Mar.	1.40	Oct.	0.0	159	111	106	149	nw.	
Fair View†	Lamar	526	35	63.0	101	June 18	17	Feb. 13	31	56.60	15.44	Mar.	0.82	May	T.	113	111	106	149	nw.	
Fort Valley	Peach	526	24	64.8	102	June 23	20	Feb. 13†	24	48.21	11.69	Mar.	1.60	Dec.	T.	110	133	148	85	w.	
Goat Rock†	Muscogee	415	31	61.1	103	June 18	13	Feb. 13	31	42.38	11.38	Mar.	0.51	Oct.	0.0	113	189	62	115	w.	
Greensboro	Greene	620	43	61.1	104	June 18†	15	Dec. 15	42	45.20	12.38	Mar.	0.60	June	0.0	113	189	62	115	w.	
Griffin	Spalding	975	54	63.6	99	June 23	17	Feb. 13	54	54.12	11.12	Mar.	0.22	May	T.	105	172	115	79	w.	
Lagrange	Troup	740	8	63.6	101	June 18†	15	Feb. 13	34	56.91	8.86	Apr.	0.59	Oct.	T.	164	173	38	155	s.	
Louisville	Jefferson	337	48	65.8	105	June 23	19	Dec. 15	49	44.12	11.39	Mar.	1.03	Dec.	T.	99	177	100	89	ne.	
Macon	Bibb	330	63	64.5	101	June 23	21	Feb. 13	96	45.78	12.52	Mar.	1.14	June	0.0	115	142	98	126	nw.	
Milledgeville	Baldwin	320	61	65.7	100	June 24	15	Dec. 3†	55	49.93	10.90	Mar.	1.68	Nov.	0.0	96	111	106	149	nw.	
Millen	Miller	180	56	65.7	104	June 24	19	Dec. 15	67	53.52	9.76	Mar.	1.11	Dec.	T.	123	248	29	89	nw.	
Monticello	Jasper	680	55	63.8	104	June 18	16	Feb. 13	52	51.23	12.45	Mar.	0.41	June	0.0	114	149	89	128	nw.	
Newman	Coweta	975	55	63.8	100	June 24†	18	Feb. 13	55	54.66	8.08	Feb.	0.52	Oct.	1.0	126	167	74	125	e.	
Stillmore	Emanuel	257	19	63.4	100	June 18†	16	Feb. 13	19	55.33	9.80	Mar.	1.49	Nov.	T.	91	132	79	95	sw.	
Talbotton	Talbot	750	51	63.4	100	June 18†	16	Feb. 13	51	55.33	16.37	Mar.	0.93	Oct.	T.	91	132	79	95	sw.	
Warrenton	Warren	500	44	63.4	101	June 23†	18	Dec. 15	51	47.24	10.02	Mar.	0.90	June	0.0	108	160	152	54	ne.	
Waynesboro	Burke	261	25	63.4	104	June 23†	18	Dec. 15	24	47.24	10.20	Mar.	1.19	Dec.	0.0	108	160	152	54	w.	
West Point	Troup	573	54	63.6	103	June 23†	15	Dec. 15	55	56.47	10.36	Apr.	0.23	Oct.	0.2	118	131	86	149	nw.	
Woodbury	Meriwether	800	44	63.6	103	June 23†	15	Dec. 15	55	56.47	11.57	Mar.	0.44	Oct.	T.	122	111	106	149	nw.	
Division means and extremes				63.9	105	June 23	14	Feb. 13	52.20	16.37	Mar.	0.22	May	T.	115	163	101	102	102	nw.	
<i>Southern Division</i>																					
Abbeville	Wilcox	180	41	67.8	113.2	Apr.	0.90	Dec.	0.0	107	113	12.92	Mar.	0.84	Dec.	0.0	119	111	106	149	w.
Alapaha	Berrien	293	55	67.8	113.2	Apr.	0.90	Dec.	0.0	119	113	12.92	Mar.	0.84	Dec.	0.0	119	111	106	149	w.
Albany	Dougherty	230	57	68.2	104	June 23†	24	Dec. 15	58	53.32	14.01	Mar.	0.51	Oct.	0.0	114	191	28	147	ne.	
Alma	Bacon	198	6	65.3	100	June 17†	18	Dec. 15	6	63.04	10.98	Mar.	0.72	Dec.	0.0	117	82	110	174	ne.	
Americus 1 mile NE.	Sumter	362	60	65.6	103	June 18†	18	Dec. 15	60	50.03	12.26	Apr.	0.71	June	T.	111	108	178	80	sw.	
Bainbridge	Decatur	119	52	65.7	102	June 23	20	Dec. 15	52	46.54	7.15	Apr.	1.00	Oct.	0.0	108	111	106	149	nw.	
Blakely	Early	300	66	67.0	102	June 18†	21	Dec. 15	67	66.34	14.28	Mar.	1.17	Oct.	0.0	115	156	127	83	sw.	
Brunswick	Glynn	14	44	69.1	101	June 23†	27	Dec. 15	46	68.85	16.95	July	0.37	Dec.	0.0	116	203	90	73	ne.	
Cairo	Grady	265	13	67.9	103	June 23†	21	Dec. 15	18	59.01	10.27	Sep.	0.99	May	0.0	104	167	116	83	nw.	
Camilla	Mitchell	177	7	68.4	105	June 23†	20	Dec. 15	7	53.57	12.42	Mar.	0.91	Dec.	0.0	89	179				

Monthly and Annual Precipitation for the Year 1944, with Departures from the Normal

Table with columns for Stations, months (January-December), and Annual. Each month has two sub-columns: Precipitation and Departure. Rows are grouped into Northern Division, Middle Division, and Southern Division.

Monthly and Annual Temperatures for the Year 1944, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual					
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure				
<i>Northern Division</i>																														
Athens, No. 1	44.4	+0.9	50.8	+5.0	52.6	-0.5	60.4	-0.8	71.4	+1.3	79.2	+2.0	77.5	-2.1	76.0	-2.5	72.5	-1.0	61.4	-1.2	50.6	-1.5	40.8	-4.0	61.5	-0.4				
Athens, No. 2	44.6	.....	51.7	.....	53.4	.....	60.6	.....	71.4	.....	80.2	.....	79.0	.....	77.0	.....	74.4	.....	62.4	.....	50.5	.....	40.5	.....	62.1	.....			
Atlanta Airport	44.4	+1.9	50.4	+5.1	52.9	+0.9	60.2	-0.9	72.6	+2.3	80.2	+3.5	78.3	-0.8	77.2	-0.8	73.5	+0.7	62.8	+0.1	51.0	-0.5	41.2	-3.0	62.1	+0.7				
Atlanta [City]	44.4	+1.8	49.8	+4.5	52.3	+0.3	59.8	-1.2	72.1	+2.2	79.4	+3.4	77.5	-0.6	76.2	-0.8	72.8	+0.4	62.7	-0.3	50.9	-1.2	40.6	-4.1	61.6	+0.4				
Blairsville	39.9	+4.5	46.6	+5.0	48.6	+1.1	55.4	+0.1	65.0	+0.9	73.1	+1.4	71.8	-1.8	72.8	-0.5	68.2	0.0	56.2	-2.0	46.4	-1.1	37.0	-4.7	56.8	+0.3				
Carlton Bridge	43.4	-0.6	50.8	+5.3	.....	.....	59.8	-0.9	71.1	+1.1	79.9	+2.7	78.8	-0.4	76.9	-1.4	74.2	+0.7	61.6	-0.8	50.1	-2.0	40.4	-4.5	.....	.....		
Cartersville	43.8	.....	50.5	.....	53.2	.....	60.6	.....	72.4	.....	80.7	.....	79.0	.....	78.0	.....	74.0	.....	61.5	.....	50.7	.....	40.9	.....	62.1	.....			
Cedartown	44.0	+1.0	51.3	+5.9	53.2	+0.3	60.6	+0.3	71.8	+2.1	79.2	+1.5	78.6	-0.9	78.4	-0.4	73.7	+0.3	61.6	-0.6	50.8	-0.3	41.6	-2.7	62.0	+0.5				
Clayton	41.6	+1.2	47.7	+6.3	49.2	+0.2	56.0	-0.2	67.2	+2.7	75.2	+3.8	73.0	-1.3	74.2	+0.8	69.9	+1.4	58.4	+0.4	47.6	-0.4	38.3	-2.8	58.2	+1.0				
Cornelia	43.0	+0.6	.....	.....	.....	.....	58.3	.....	67.8	+1.3	.....	.....	.....	.....	.....	.....	74.8	-0.3	72.2	+1.7	60.8	+1.0	49.6	-0.1	39.4	-3.1				
Dahlonega	42.2	+0.7	48.3	+5.3	50.4	-0.4	58.2	-0.4	67.8	+1.3	.....	.....	77.4	.....	76.8	.....	73.0	.....	61.2	.....	49.8	.....	39.4	.....	60.7	.....			
Dalton	42.6	.....	.....	.....	52.6	.....	58.3	.....	70.9	.....	78.1	.....	77.4	.....	76.8	.....	73.0	.....	61.2	.....	49.8	.....	39.4	.....	60.7	.....			
Gainesville	43.6	+1.9	49.8	+6.4	51.2	-0.1	58.4	-0.8	70.4	+2.6	78.2	+3.3	76.5	-1.2	75.4	-1.0	72.0	+0.5	61.6	+0.9	50.0	-0.1	40.0	-2.7	60.6	+0.8				
Hartwell (near)	44.4	+0.4	50.4	+4.8	52.6	-0.5	60.0	-0.7	71.6	+2.1	80.6	+3.5	78.2	-1.2	76.5	-1.9	73.8	-0.2	62.1	-0.6	50.5	-1.4	40.4	-4.0	61.8	+0.1				
Jasper	43.4	.....	47.9	.....	50.8	.....	57.6	.....	69.1	.....	77.7	.....	76.6	.....	76.0	.....	73.2	.....	61.8	.....	49.6	.....	39.0	.....	60.2	.....			
Lafayette	42.4	.....	49.2	.....	52.2	.....	59.1	.....	71.3	.....	79.4	.....	78.2	.....	78.3	.....	73.8	.....	60.4	.....	49.8	.....	39.4	.....	61.2	.....			
Rome	43.5	+0.9	50.2	+5.2	53.4	+0.5	61.0	-0.1	72.0	+2.3	79.9	+2.9	79.4	-0.2	78.2	-0.6	74.0	+0.2	61.4	-1.1	50.7	-0.2	40.3	-3.3	62.0	+0.6				
Talapoosa	41.8	-1.0	49.8	+5.6	52.0	-0.6	58.1	-1.5	68.5	+0.2	76.9	+1.2	76.1	-1.9	75.6	-1.8	72.2	-0.7	59.0	-0.7	49.0	-1.8	40.2	-3.4	60.0	-0.6				
Toccoa	46.3	+3.6	50.6	+6.2	52.6	+0.4	60.2	0.0	71.2	+2.6	79.6	+3.8	77.6	-0.7	76.0	-1.0	72.8	+0.7	61.8	+0.7	50.8	-0.3	41.1	-2.7	61.7	+1.1				
Washington	45.8	+0.3	53.2	+6.3	54.8	-0.5	62.6	+0.1	73.6	+2.2	81.2	+3.0	80.2	-0.2	78.2	-1.4	76.8	+1.8	64.6	+0.7	53.0	-1.8	43.0	-2.9	63.9	+0.6				
<i>Middle Division</i>																														
Augusta	47.8	+0.8	54.0	+4.1	56.4	+0.4	63.2	-1.0	74.8	+2.4	82.8	+4.1	80.3	-1.0	79.4	-1.0	77.3	+2.0	65.6	+0.3	54.2	-0.3	44.2	-3.9	65.0	+0.6				
Brooklet	48.3	-1.8	55.4	+3.4	59.2	-0.3	64.0	-1.9	74.2	+0.1	81.4	+1.3	78.6	-3.4	.....	.....	77.6	+0.3	65.8	-1.6	56.3	-1.0	46.4	-4.4	.....	.....		
Carrollton	44.2	.....	.....	.....	53.0	.....	58.9	.....	71.0	+1.8	79.2	+2.3	78.8	-0.2	76.9	-1.0	73.4	+0.7	62.7	-0.2	50.4	-1.4	40.6	-3.9	.....	.....		
Columbus	44.2	+1.0	56.7	+6.5	59.6	+1.4	64.6	-0.7	75.8	+2.4	83.2	+3.0	82.0	+0.3	82.0	+0.8	78.6	+1.2	66.4	+0.4	56.2	+0.2	47.8	-1.5	66.8	+1.2				
Covington	44.8	+0.5	51.6	+6.8	53.8	-0.8	60.2	-0.7	73.6	+3.1	80.9	+3.4	78.5	-1.4	77.4	-1.6	74.8	+0.5	63.1	+0.5	52.6	+0.1	41.3	-3.8	62.7	+0.5				
Dublin	48.4	-0.8	56.5	+5.0	59.0	+1.6	64.0	-1.1	73.8	+1.1	81.8	+2.4	79.4	-1.8	73.4	-1.1	77.2	+0.6	64.4	-1.9	54.0	-1.8	45.8	-4.2	65.3	-0.2				
Experiment	45.1	+0.6	51.2	+5.8	52.2	-3.6	58.8	-2.6	71.2	+0.5	78.4	+1.5	76.9	-2.3	76.6	-2.2	74.0	-0.1	62.8	-1.0	51.9	-0.9	42.0	-2.7	61.8	-0.5				
Fair View	45.5	-1.7	52.8	+3.6	55.3	-0.3	60.8	-2.0	72.0	+1.3	80.3	+2.6	77.4	-2.1	77.0	-1.7	74.5	+0.2	63.4	-1.2	52.6	-1.5	43.4	-4.1	63.0	-0.5				
Fort Valley	47.5	-0.5	54.5	+3.6	57.6	+0.7	62.4	-2.1	73.6	+1.4	82.1	+3.0	79.6	-1.1	79.7	-0.5	76.8	+0.1	64.6	-1.2	53.6	-1.6	44.8	-4.9	64.8	-0.2				
Greensboro	45.6	+0.7	52.6	+5.9	54.8	+0.3	61.2	-0.6	72.4	+2.0	81.0	+3.2	78.6	-1.2	.....	.....	75.6	+0.9	64.3	+0.8	52.6	-0.3	43.2	-2.5	.....	.....		
Griffin	46.8	+1.0	53.4	+5.5	56.2	+0.5	61.9	-1.1	72.8	+1.8	79.9	+2.1	77.7	-2.1	77.2	-1.8	74.6	-0.4	64.0	+0.1	53.7	-0.5	44.0	-3.0	63.6	+0.2				
Lagrange	46.0	.....	54.1	.....	56.5	.....	61.4	.....	72.4	.....	79.8	.....	78.7	.....	78.4	.....	75.0	.....	63.2	.....	52.8	.....	44.4	.....	63.6	.....			
Louisville	48.0	+0.1	55.3	+5.6	58.4	+1.1	64.7	+0.8	75.2	+2.5	82.4	+3.2	81.0	+0.1	80.4	+0.2	78.0	+2.2	65.9	+0.7	55.0	+0.1	45.8	-2.6	65.8	+1.3				
Macon	47.5	+0.7	53.9	+4.6	57.1	+0.4	62.4	-1.5	73.8	+1.5	81.5	+2.6	79.4	-1.8	79.0	-0.9	76.3	+1.5	64.2	-0.3	53.4	-0.8	45.2	-2.3	64.5	+0.3				
Milledgeville	46.9	+0.6	53.2	+4.6	56.1	+0.2	61.8	-1.9	72.0	+0.4	79.6	+0.6	78.0	-3.2	77.8	-2.6	.....	.....	64.0	-0.7	53.0	-1.1	44.2	-2.9	.....	.....		
Millen	48.1	-0.7	55.2	+4.7	58.6	+0.5	64.2	-0.9	75.1	+1.8	82.3	+2.5	80.5	-1.2	80.0	-1.1	78.2	+1.5	65.8	-0.3	54.8	-1.1	45.6	-3.7	65.7	+0.2				
Monticello	45.6	+0.3	53.0	+5.5	55.2	+0.1	61.5	-1.4	73.2	+1.6	81.3	+3.3	79.6	-0.7	78.4	-1.2	75.8	+0.4	64.5	+0.3	52.8	-0.8	43.4	-2.2	63.8	+0.5				
Newnan	46.7	+2.0	53.7	+7.4	.....	.....	60.6	-1.1	72.8	+2.3	80.1	+2.4	79.0	-0.7	77.4	-1.5	74.7	+0.2	64.2	+0.5	52.5	-0.7	41.2	-4.4	.....	.....		
Stillmore	.....	.....	.....	.....	.....	.....	64.2	-1.4	74.6	+1.1	.....	.....	80.6	-0.6	.....	.....	77.4	+0.5	65.1	-2.1	55.2	-2.0	.....	.....	.....	.....
Talbotton	46.8	-0.6	54.0	+5.0	56.7	+0.1	61.2	-2.1	71.5	-0.3	80.1	+1.6	77.1	-3.1	77.2	-2.4	74.5	-1.0	63.8	-1.3	53.2	-1.5	44.7	-3.5	63.4	-0.8				
Warrenton	45.8	-0.9	53.2	+5.2	55.6	+0.3	62.4	-0.5	72.7	+1.0	81.1	+2.7	78.9	-1.6	.....	.....	.....	.....	63.6	-0.5	52.4	-1.7	43.4	-3.8	.....	.....		
Waynesboro	48.4	+0.9	55.4	+7.2	59.1	+1.4	.....	.....	.....	.....	.....	.....	79.6	-1.5	.....	.....	77.5	+2.2	65.8	+0.8	.....	.....	44.8	-2.8	.....	.....		
West Point	46.4	+0.7	54.1	+6.6	57.0	+1.6	62.0	-0.9	72.2	+0.8	80.2	+1.6	79.2	-1.3	78.4	-1.3	75.1	-0.1	62.4	-1.8	52.8	-0.7	44.0	-2.4	63.6	+0.2				

ANNUAL CLIMATOLOGICAL DATA FOR THE STATE

Table with columns: Year, Temperature (Mean, Highest, Lowest), Precipitation (Northern, Middle, Southern, Average, Average snowfall, Precip. 0.1 or more, Clear, Ft. cloudy, Cloudy), and Number of days.

KILLING FROSTS

Table with columns: Stations, Last in spring, First in autumn, Stations, Last in spring, First in autumn. Divided into Northern, Middle, and Southern Divisions.

* Latest date with temperature 32° or below. † Earliest date with temperature 32° or below.

SUPPLEMENTARY PRECIPITATION TOTALS TABLE 1944

Table with columns: Stations, Jan., Feb., Mar., Apr., May, June, July, Aug., Sep., Oct., Nov., Dec., Anl. Lists various stations and their monthly precipitation totals.

MONTHLY STATE DATA FOR 1944

Table with columns: Months, Temperature (Mean, Departure from normal, Maximum, Minimum), Precipitation (Average, Departure from normal, Greatest, Least), and No. days with 0.01 inch or more.

(WBO, Atlanta, 2-5-45-1075)

‡ Hydrologic Recorder Station. § Interpolated or partly interpolated.



CLIMATOLOGICAL DATA

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GEORGIA SECTION

A. J. KNARR

VOL. XLIX ATLANTA, GA., ANNUAL 1945 No. 13

GENERAL SUMMARY

The annual mean temperature for Georgia in 1945 was slightly higher than the average of the past 55 years, with variations of individual station means from 58.4° at Clayton in the extreme northeast to 70.2° at Brunswick on the coast. January and each month of the period, June through August, had averages that were very close to corresponding monthly normals. February, March, and April averaged considerably above normal, and moderate excesses occurred in September and November. December, the coldest month of the year, had an average deficiency of almost 6°, while substantial though not exceptionally large deficiencies occurred in May and October. The trend of abnormal warmth that began late in January and persisted almost until the close of April produced some unusual departures from seasonal or monthly normals. The highest temperatures reached in February very closely approached record high maxima for that month, and the monthly mean for March was 8.0° above normal and within 0.1° of the record high mean for that month. Most of May was unseasonably cool and would have averaged remarkably low had it not been for the excessive heat that developed late in the month. The predominance of below normal temperatures in December made it decidedly the coldest month of the year and one of the coldest Decembers on record. Lowest temperatures of the year occurred shortly after the middle of December, when minimum readings ranged from about 10° in some northern districts to just a little higher than 20° in far southern and coastal areas. Conditions were almost as cold on February 1st. The most noteworthy cold periods of the year, when minimum temperatures fell below the freezing mark in practically every section of the State, were January 2-3d, 10-12th, 17th, 30-31st, February 1-3d, 9th, November 5th, 16th, 23-25th, December 1-2d, 7-8th, 11-12th, 16-18th, and 20-22d. The latest killing frost in spring was on February 9th throughout the State, except about a week earlier in southernmost sections and as late as April 7th over much of the north. The earliest killing frost in fall was very generally on November 5th. Hottest conditions occurred during the period, June 27th to July 2d, when maximum temperatures of 100° to 105° occurred extensively, and very nearly the same degree of heat occurred in the closing days of May.

Precipitation averaged 54.24 inches, which was an excess of 4.34 inches or 109% of normal. Totals for individual stations ranged from more than 70 inches in the far northeast and in the lower coastal section to less than 40 inches in a small area between Augusta and Savannah. April, July, September, and December averaged considerably above normal, while substantial to large deficiencies occurred in January, March, and June. With respect to comparisons in specific months, September was

the wettest since 1930, December was the wettest since 1927 and among the three wettest on record, while March was the driest since 1925. The greatest monthly precipitation was 18.03 inches at Brunswick in September, and the least was 0.06 inch at the Brunswick Airport in March. Monthly totals fell under 1.00 inch in some eastern counties during March, June, and November, and more than 10 inches occurred locally in the southwest during April, over most of the south during July, in the extreme southeast during August, and along the coast during September. Daily rainfall in January and February, though not often of a heavy character, occurred very frequently, thus materially retarding or preventing farm operations. This condition continued over the northern section during March, when much drier weather prevailed in middle and southern counties. Dry weather became more generally pronounced during the first half of April, but the trend of frequently occurring rainfall again became prominent during the month following April 16th. Heavy to excessive rains during the 3 days, April 23d to 25th, produced rapidly rising rivers in the Altamaha System, and though flood stages were moderately exceeded, no appreciable damages resulted. Comparatively dry weather prevailed from May 17th to the close of June except for rainy weather that occurred between June 15th and 20th. Rather rainy conditions prevailed during all of July and throughout most of August, which caused severe deterioration of the cotton crop. Rainfall occurred quite frequently during December, with excessive falls on December 24-25th, which produced rapidly rising rivers throughout the State, though flood stages that occurred were not sufficiently high to cause much damage. Light to moderate snow flurries occurred over northern and western counties on December 14th and 18th, leaving a cover on the ground up to 2.0 inches except locally as deep as 5.0 inches in the far northeast.

A storm of tornadic character struck two small communities a short distance south of Atlanta on the morning of February 22d in which one person was indirectly killed and property damaged for a loss of about \$10,000. On the night of April 24th, a severe tornado struck the environs of Experiment, causing property damage of about \$150,000; 7 people were killed and 18 others injured. On the same night, tornadoes struck two rural communities, one near Covington and the other at the extreme eastern edge of Laurens County; no one was killed or injured, but property damage aggregated between \$40,000 and \$50,000. Hailstorms and windstorms about the same time affected an extensive area south of Atlanta between Troup and Baldwin counties; damages to property and crops, mostly peach trees, amounted in the aggregate to \$100,000 or more. A severe windstorm on April 28th at Fort Valley caused property damages of \$25,000 and crop losses of about \$5,000. Earlier in April on the 16th, heavy hail near Rome caused property damages of \$10,000 and crop damages of \$5,000. Moderate to heavy hail fell during June on the 2d at Gainesville, on the 7th and 10th at Hiram, on the 15th at Fort Valley, and on the 17th in several communities between Newnan and Dawson; no property damage occurred but crop losses amounted to at least \$10,000. In connection with a severe electrical storm in the Atlanta Area on June 29th, one person was killed when struck by lightning and two others were painfully injured. The near approach of a tropical hurricane on September 17th produced very heavy washing rains and high winds in the coastal area, especially around Savannah; no appreciable damages resulted other than the excessive flooding of fields and consequent losses to crops which were considerable.

R. L. C.

Monthly and Annual Precipitation for the Year 1945, with Departures from the Normal

Table with columns for Stations, months (January-December), and Annual. Rows are categorized into Northern Division, Middle Division, and Southern Division. Each station entry includes precipitation and departure values for each month and an annual total.

Partly interpolated.

Monthly and Annual Temperatures for the Year 1945, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual				
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure			
<i>Northern Division</i>																													
Adairsville.....	40.4	-1.4	45.8	+2.8	59.4	+6.9	61.1	+1.3	64.4	-4.6	74.8	-1.1	78.4	+0.3	76.8	-0.7	77.4	.....	75.6	.....	61.2	.....	53.0	.....	38.1	.....	62.0	.....
Athens Airport.....	43.0	.....	47.9	.....	60.6	.....	63.6	.....	66.4	.....	78.4	.....	78.8	.....	77.4	.....	75.6	.....	60.6	.....	53.0	.....	39.1	.....	38.1	.....	62.0	.....
Athens.....	44.5	+1.0	48.8	+3.0	61.4	+8.3	64.4	+3.2	67.3	-2.9	78.2	+1.0	79.0	-0.6	77.4	-1.1	75.0	+1.2	60.6	-2.0	53.7	+1.6	39.1	+5.7	39.1	-5.7	62.4	+0.5	
Atlanta Airport.....	43.2	+0.7	48.7	+3.4	61.8	+9.8	63.7	+2.6	66.6	-3.7	78.0	+1.3	79.2	+0.1	78.2	+0.2	76.2	+3.4	61.4	-1.3	53.2	+1.7	38.4	-5.8	38.4	-5.8	62.4	+1.0	
Atlanta [City].....	42.7	+0.1	48.2	+2.9	61.7	+9.7	63.7	+2.7	66.1	-3.8	77.1	+1.1	78.2	+0.1	77.5	+0.5	75.6	+3.2	61.4	-1.6	53.4	+1.3	38.1	-6.6	38.1	-6.6	62.0	+0.8	
Blairsville.....	39.5	+3.8	45.1	+3.2	57.5	+9.2	60.5	+4.8	61.9	-2.0	70.4	-1.2	75.1	+1.4	73.2	-0.1	70.0	+1.7	57.4	-0.7	49.6	+1.9	.....	.....	.....	.....	.....	.....
Carlton Bridge.....	43.6	-0.4	47.7	+2.2	60.8	+7.6	64.2	+3.5	66.8	-3.2	79.7	+0.5	77.7	-0.6	77.2	.....	76.2	+2.7	59.7	-2.7	51.7	-0.4	38.2	-6.7	.....	.....	.....	.....
Cartersville.....	43.2	.....	48.2	.....	62.4	.....	64.0	.....	66.2	.....	76.8	.....	79.4	.....	78.0	.....	76.0	.....	59.4	.....	54.0	.....	37.8	.....	.....	.....	62.1	.....
Cedartown.....	43.0	0.0	49.4	+3.6	62.6	+8.9	64.0	+3.4	66.4	-3.1	76.2	-1.4	79.0	-0.4	78.8	0.0	76.0	+2.4	.....	.....	.....	.....	38.4	-5.4	.....	.....	.....	.....
Clayton.....	41.6	+1.2	45.0	+3.6	57.6	+8.6	60.3	+4.1	62.7	-1.8	72.0	+0.6	75.0	+0.7	72.9	-0.6	71.3	+2.8	57.2	-0.8	48.8	+0.8	36.6	-4.5	36.6	-4.5	58.4	+1.2	
Dahlonega.....	41.1	-0.4	46.6	+3.6	59.8	+9.0	62.6	+4.0	63.6	-2.9	73.5	+0.1	76.4	+0.4	74.9	-0.3	73.0	+2.5	58.4	-1.4	50.4	+0.7	36.4	-6.1	36.4	-6.1	59.7	+0.7	
Dalton.....	42.3	.....	46.4	.....	61.1	.....	63.4	.....	65.2	.....	75.2	.....	78.4	.....	77.2	.....	74.8	.....	60.4	.....	52.7	.....	37.0	.....	.....	.....	61.2	.....
Gainesville.....	42.8	+1.1	47.0	+3.6	59.8	+8.5	63.4	+4.2	65.7	-2.1	75.6	+0.7	77.8	+0.1	76.6	+0.2	75.0	+3.5	.....	.....	.....	.....	38.5	-5.9	38.5	-5.9	61.9	+0.2
Hartwell (near).....	44.4	+0.4	47.9	+2.3	60.5	+7.4	63.9	+8.2	66.8	-2.7	77.6	+0.5	78.0	-1.4	77.0	-1.4	75.2	+1.2	60.6	-2.1	52.4	+0.5	38.5	-5.9	38.5	-5.9	61.9	+0.2	
Jasper.....	41.5	.....	45.4	.....	59.4	.....	61.8	.....	63.8	.....	74.0	.....	77.6	.....	76.0	.....	74.5	.....	60.2	.....	51.9	.....	36.8	.....	.....	.....	60.2	.....
Lafayette.....	41.7	.....	45.5	.....	61.4	.....	62.8	.....	65.4	.....	74.8	.....	78.4	.....	77.2	.....	74.8	.....	59.3	.....	53.0	.....	36.2	.....	.....	.....	.....	.....
Rome.....	43.1	+0.5	47.8	+2.8	62.4	+9.5	63.6	+2.5	66.6	-3.1	76.0	-0.9	79.0	-0.6	78.2	-0.6	76.4	+2.6	60.6	-1.9	54.4	+3.5	37.2	-6.4	37.2	-6.4	62.2	+0.8	
Tallapoosa.....	41.6	-1.2	47.5	+3.3	60.3	+7.7	61.4	+1.8	64.5	-3.8	74.3	-1.3	77.4	-0.6	75.6	-1.8	.....	.....	58.6	-2.9	51.7	+0.9	37.2	-6.4	.....	.....	.....	.....
Toocoo.....	43.7	+1.0	48.4	+3.0	61.0	+8.8	63.6	+3.4	66.0	-2.6	76.6	+0.8	78.1	-0.2	76.4	-0.6	74.9	+2.8	60.6	-0.5	52.8	+1.7	39.2	-4.5	39.2	-4.5	61.8	+1.2	
Washington.....	45.5	0.0	49.8	+2.9	63.2	+7.9	65.9	+3.4	67.6	-3.8	79.7	+1.5	80.4	0.0	78.4	-1.2	76.8	+1.8	63.0	-1.5	55.3	+0.5	39.8	-6.2	39.8	-6.2	63.8	+0.5	
<i>Middle Division</i>																													
Augusta.....	47.4	+0.4	53.0	+3.1	65.8	+9.8	68.0	+3.8	70.4	-2.0	81.4	+2.7	81.2	-0.1	80.4	0.0	78.8	+3.5	64.0	-1.3	57.0	+2.5	42.3	-5.8	42.3	-5.8	65.8	+1.4	
Brooklet.....	48.9	-1.2	57.0	+5.0	68.0	+8.5	70.0	+4.1	71.8	-2.3	82.2	+2.1	81.8	-0.2	80.2	-1.1	79.2	+1.9	65.6	-1.8	59.2	+1.9	44.2	-6.6	44.2	-6.6	67.4	+0.9	
Carrollton.....	42.0	-0.6	48.7	+3.2	61.4	+7.5	64.8	+3.4	66.6	-2.8	77.4	+0.4	79.0	0.0	77.4	-0.5	75.7	+2.8	60.6	-2.2	54.2	+2.2	38.0	-6.1	38.0	-6.1	62.2	+0.7	
Columbus.....	48.6	+0.4	55.0	+4.8	67.0	+8.8	68.8	+3.5	71.6	-1.8	82.4	+2.2	82.5	+0.8	82.2	+1.0	80.4	+3.0	65.8	-1.0	58.2	+2.2	44.1	-5.2	44.1	-5.2	67.2	+1.6	
Covington.....	44.4	+0.1	49.1	+4.3	61.7	+7.7	65.2	+4.3	67.6	-2.9	78.0	+0.5	79.9	0.0	78.9	-0.1	77.6	+3.3	61.6	-1.0	54.2	+1.7	39.0	-6.1	39.0	-6.1	63.1	+0.9	
Dublin.....	48.0	-1.2	54.1	+2.6	66.4	+9.0	68.2	+3.1	70.2	-2.5	80.6	+1.2	80.4	-0.8	79.8	-0.7	78.4	+1.8	64.3	-2.0	57.4	+1.6	43.8	-6.2	43.8	-6.2	66.0	+0.5	
Experiment.....	43.8	-0.7	49.6	+4.2	62.6	+8.8	64.0	+2.6	66.8	-3.9	77.3	+0.4	78.2	-1.0	77.0	-1.8	75.5	+1.4	61.2	-2.6	53.5	+0.7	39.2	-5.5	39.2	-5.5	62.4	+0.1	
Fair View.....	45.6	-1.6	51.5	+2.3	63.8	+8.2	65.1	+2.3	68.2	-2.5	78.8	+1.1	78.8	-0.7	77.4	-1.3	75.9	+1.2	61.8	-2.6	55.3	+1.2	41.2	-6.3	41.2	-6.3	63.6	+0.1	
Fort Valley.....	45.8	-2.2	52.4	+1.5	65.0	+8.1	66.9	+2.4	69.6	-2.6	80.2	+1.1	80.0	-0.7	79.9	-0.3	77.8	+1.1	63.5	-2.3	55.8	+0.6	41.2	-8.5	41.2	-8.5	64.8	-0.2	
Greensboro.....	46.0	+1.1	50.8	+4.1	64.0	+9.5	65.9	+4.1	67.9	-2.5	79.3	+1.5	80.0	+0.2	79.0	0.0	77.3	+2.6	62.6	-0.9	55.8	+2.9	40.4	-5.3	40.4	-5.3	64.1	+1.5	
Griffin.....	46.2	+0.4	51.4	+3.5	64.0	+8.3	65.6	+2.6	67.3	-3.7	77.4	-0.4	78.3	-1.5	77.6	-1.4	76.2	+1.2	64.0	-0.5	56.5	+2.3	41.5	-5.5	41.5	-5.5	63.8	+0.4	
Lagrange.....	46.2	.....	52.0	.....	64.4	.....	66.6	.....	68.4	.....	78.4	.....	80.0	.....	79.2	.....	77.8	.....	63.2	.....	56.4	.....	43.0	-5.4	43.0	-5.4	65.6	+1.1
Louisville.....	47.5	-0.4	53.5	+3.8	65.6	+8.3	68.6	+4.7	70.2	-2.5	81.4	+2.2	79.9	-1.0	79.3	-0.9	77.4	+1.6	63.6	-1.6	57.5	+2.6	43.0	-5.4	43.0	-5.4	65.6	+1.1	
Macon.....	46.9	+0.1	53.2	+3.9	65.0	+8.3	66.6	+2.7	69.6	-2.7	80.1	+1.1	79.7	-0.2	79.7	-0.2	78.2	+3.4	63.1	-1.4	56.2	+2.0	42.0	-5.5	42.0	-5.5	65.1	+0.9	
Milledgeville.....	.....	.....	.....	.....	65.4	+9.5	.....	.....	68.7	-3.7	79.4	+0.4	80.3	-0.9	78.6	-1.8	78.2	+3.3	62.4	-2.3	.....	.....	41.2	-6.1	.....	.....	.....	.....
Millen.....	47.6	-1.2	54.0	+3.5	66.4	+8.3	68.8	+3.7	71.2	-2.1	82.2	+2.4	81.0	-0.7	80.0	-1.1	79.4	+2.7	64.3	-1.8	58.3	+2.4	43.0	-6.3	43.0	-6.3	66.4	+0.9	
Monticello.....	44.8	-0.5	51.0	+3.5	64.2	+9.1	66.0	+3.1	68.2	-3.4	79.1	+0.6	80.0	-0.3	78.5	-1.1	76.7	+1.3	62.6	-1.6	55.2	+1.6	40.0	-5.6	40.0	-5.6	63.8	+0.5	
Newnan.....	43.2	-1.5	48.8	+2.5	61.0	+6.4	63.6	+1.9	66.3	-4.2	76.6	-1.1	78.3	-1.4	77.5	-1.4	75.6	+1.1	62.6	-1.1	53.6	+0.4	38.3	-7.3	38.3	-7.3	62.1	-0.5	
Stillmore.....	48.4	-2.4	67.2	+8.3	68.4	+3.0	70.2	-3.1	81.2	+1.9	80.8	-0.4	79.7	-1.0	78.8	+1.8
Talbotton.....	47.0	-0.4	52.2	+3.2	64.0	+7.4	65.8	+2.5	68.2	-3.6	78.8	+0.3	78.8	-1.4	78.0	-1.6	76.6	+1.1	62.9	-2.2	55.9	+1.2	42.2	-6.0	42.2	-6.0	64.2	.....
Warrenton.....	46.0	-0.7	51.4	+3.4	64.3	+7.8	66.7	+3.8	68.4	-3.3	79.4	+1.0	.....	.....	.....	.....	77.6	+2.5	62.6	-1.5	56.0	+1.9	41.6	-5.6	.....	.....	.....	.....
Waynesboro.....	47.4	-0.1	53.0	+4.8	.....	.....	69.8	-2.9	80.8	+2.0	.....	.....	.....	.....	.....	.....	.....	64.2	-0.8	57.8	+2.4	.....	.....	.....	.....	.....	.....
West Point.....	46.0	+0.3	52.2	+4.7	63.9	+8.5	65.8	+2.9	68.2	-3.2	78.8	+0.2	79.6	-0.9	79.0	-0.7	77.0	+1.8	62.4	-1.8	55.2	+1.7	40.6	-5.8	40.6	-5.8	64.1	+0.7	



