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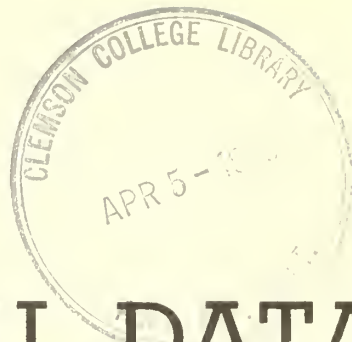








30 1/2-4/1  
U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief



# CLIMATOLOGICAL DATA

ARKANSAS

JANUARY 1963  
Volume 68 No. 1



TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 79° on the 10th at Crossett 7 S

Lowest Temperature: -15° on the 24th at Mammoth Spring

Greatest Total Precipitation: 2.80 inches at Arkadelphia

Least Total Precipitation: 0.00 inch at Lead Hill

Greatest One-Day Precipitation: 1.40 inches on the 31st at Arkadelphia

Greatest Reported Total Snowfall: 5.5 inches at Paragould Radio KDRS

Greatest Reported Depth of Snow on Ground: 4 inches on the 23d at Pochontas 1

SPECIAL WEATHER SUMMARY

This was the third driest and the fourth coldest January of the last 84 years. The driest January on record was in 1909 when only 0.71 inch was measured. The coldest January on record was in 1918 when the mean temperature for the month was only 28.6°. There were wide extremes in temperature recorded. On January 10 the maximum of 77° was the highest ever recorded on the 10th. On January 14, 23, 24, 27, and 28 record lows for those days were recorded. The last three months have been very dry. November's divisional precipitation departures ranged from 0.52 inch below for the Southwest to 2.87 inches below for the Northeast. In December the

range was from 1.03 inches below for the Northwest to 3.18 inches below for the South-central. The January range of departures was from 2.04 below in the Northwest to 4.64 below in the East-central. As a result of the prolonged deficiencies, the soil is very dry, small streams practically dry, and the Arkansas River is below zero stage.

W. C. Hickmon  
Weather Bureau State Climatologist  
Weather Bureau Airport Station  
Box 1819  
Little Rock, Arkansas





# CLIMATOLOGICAL DATA

ARKANSAS  
JANUARY 1965

CONTINUED

Station	Temperature														Precipitation					
	Average Maximum	Average Minimum	Average	Departures From Normal	Highest Date	Lowest Date	Begin Days	No. of Days				Total	Departures From Normal	Greatest Dry Date	Snow		No. of Days			
								37° or Below		32° or Below					Total	Max. Depth on Ground	Days	10 or More	30 or More	
								Max.	Min.	37° or Below	32° or Below									
DR QUEEN	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
OVERKES	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
HORSE SHOE	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
MOUNT IDA	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
NARROWS DAM	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
NASHVILLE BEACH SUBST	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
OKAY	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
TEXARKANA WB AIRPORT	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
DIVISION																				
SOUTH-CENTRAL																				
ARKADELPHIA	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
CAMDEN 1	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
EARL DORADO FAX AIRPORT	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
FORDYCE 6 W	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
MAGNOLIA 3 N	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
MORGAN LOCK AND DAM 8	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
DRESCOTT	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
WARREN	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
DIVISION																				
SOUTHEAST																				
CROSSETT 4 S	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
CUMMINS FARM	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
DUMAS	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
ELDER 1	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
MONT CELLO 3 S	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
PINE BLUFF 1 S	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
PORTLAND	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
ROWER 2 NNE	49	24	36	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0		
DIVISION																				

See reference notes following Station Index.



# DAILY PRECIPITATION

ARKANSAS  
JANUARY 1963

Continued

Station	Total	Day of Month																																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
MULBERRY 6 NNE	.80	T				.80	T													T	T											T					
NARROWS DAM	1.13					.92	T					.03								.04	T											T					
NASHVILLE PEACH SUBSTA	1.65					1.24						.06	.04	.01						.08	.04			.02								T					
NATHAN 4 MNW	1.01	T				.96						T								T												T					
NEWHOPE 3 E	1.02				.50	.52																		T		T						T					
NEWPORT	2.35	T			1.07	.03	T					.05	.02							.01			1.03	.03		.03						.08	T				
NIMPOD DAM	.70	.05			.01	.49	.02					T		.05						.02		.05	.05									.08	T				
ODELL 3 N	D .70	.03				.74						.01		.05						.02	.05	.05										.08	T				
OGEN 2 W	.74	.03	.01			.52						.03	.01							.08													.03	.03			
OKAY	1.69	.39			.02	1.00						.04												.05		.03	T					.05	.03	.11			
OSCEOLA 2 MNW	D .51				.23	T	T					0	.05							.01	.06		.03	.20									T	T			
OWENSVILLE	.89					.52	.05			T		.11	.02							.01	.06		.01	T			T	T	T				.11	T			
OZARK	.77	.04	.01			.62	.03							.02						.02	.03												.02				
OZONE	1.27				.03	.31	.20	T				.05	.28							.05													.03	.07			
PARAGOULD RADIO KOPS	1.62																							.31				.29						.03	.07		
PARIS	1.17	.50			.05	.62						T	T						T	.75			.15	.07	T	T		.10					T	.02			
PARKIN 2 W	1.79					.30	T	T				T	T							T														.40	T		
PARKS	.35					.35						T	T							T														.22	T		
PERRYVILLE	.38	T				.35						T	T							T														.03	T		
PINE BLUFF	1.32					.31	.10	T				T	T							T	.17			.51	T	.01								.22	T		
PINE RIDGE	-	.02				.48						.02								.07														.06			
POCAHONTAS 1	-					.32	.10													.09														.10			
PORTLAND	2.42	T				.55				T	T	.32								T														1.15			
PRESCOTT	1.00	T	.03			.50						T								T	.10	.05												1.15			
RATCLIFF	.91	T				.47	.44													.10					.03	.08		.25					.05	.06		.15	
ROGERS	.51				T	.51						T								T														T			
ROHMER 2 NNE	.88					.25						T	T							T														.19	.22		
RUSSELLVILLE	.67	.02				.60															.07	.05						.10						.05	T		
SAINT CHARLES	.70					.20	.05				T									T	.03													.35			
SAINT FRANCIS	.64					.22	.13																	.20	.04										.05		
SALEM	.41	.03				.17																													.10		
SEARCY	.83	.03	T			.24	.02														.05														.15	T	
SHERIDAN TOWER	1.31	.02			.03	.33						.05	T		.08					.13	.05													.24			
SHIRLEY	.61	T				.24	.08					T																							.11		
SILOAM SPRINGS	.67	.01	.01			.61	.02	T					.01							.01	.07														.03		
SPARKMAN 3 HSW	.61																																				
STAMPS	2.31	.45				.86														.45	.41	.31												.26	T		
STAR CITY 2 S	-	-	-	-	-	-	-					T	T							.03	.04	T													.34	T	
STORY	.82					.52																														.10	T
STUTT GART	1.36					.15																													.32	.04	
STUTT GART 9 ESE	.75					.10	T													T	T			.38										.27	T		
SUBIACO	.82	.17				.65																														T	
TAYLOR	1.76	.14				.84																														.16	.03
TEXARKANA WB AIRPORT //R	1.48	T	.08			.88	.01	T				.09	T							.16	T			.05	T		.04	.01						.16	.03		
WALORON	.47					.45	T					T								T	.02														.10	.02	
WALNUT RIDGE FAA AP	.66	T	T		T	.37	.04					.02	T							T	T			.03	.05		.01							.11	.03		
WARREN	1.20					.52	.02	T				T								.02	.08	T													.37	.02	
WEST MEMPHIS	1.19					.25	.02							.01						.05				.02	.59		.04	.03	.02	.07					.10	.16	
WHITE ROCK	1.05	.18				.80						T								.02								.03							.02		



DAILY TEMPERATURES

ARKANSAS JANUARY 1963

Continued

Table with columns for Station, Day Of Month (1-31), and Average. Rows include stations like HELENA, HOPE 3 NE, HOT SPRINGS 1 NNE, JONESBORO, KEISER, KEO, LEAO HILL, LITTLE ROCK W8 AIRPORT, MAGNOLIA 3 N, MALVERN, MAMMOTH SPRING, MARIANNA 2 S, MARSHALL, MENA, MONTICELLO 3 S, MOROBAY LOCK AND OAM 8, MORRILTON, MOUNT IOA, MOUNT MAGAZINE, MOUNTAIN HOME 1 NNW, MOUNTAIN HOME C OF ENG, MOUNTAIN VIEW 2 ESE, NARROWS OAM, NASHVILLE PEACH SUBSTA, NEWPORT, NIMROD OAM, OKAY, OZARK, PARAGOULO RAOIO KORS, PARIS, PERRYVILLE, PINE BLUFF, POCAHONTAS 1, PORTLANDO, PRESCOTT, ROGERS, ROHWER 2 NNE, RUSSELLVILLE, SAINT CHARLES.

See reference notes following Station Index.

# DAILY TEMPERATURES

ARKANSAS  
JANUARY 1963

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SEARCY	MAX	60	60	54	45	48	47	51	62	70	75	64	43	28	39	41	50	52	56	54	37	39	55	54	26	27	26	26	30	35	38	38	
	MIN	25	41	30	35	40	37	28	29	33	49	40	14	5	8	14	16	20	28	25	11	19	25	7	3	11	24	7	7	25	33	28	
SHERIDAN TOWER	MAX	64	65	60	57	61	48	48	65	69	76	60	42	28	39	47	52	56	60	54	38	45	60	56	28	30	30	27	31	34	40	41	
	MIN	33	38	34	34	40	37	27	29	36	52	40	12	7	4	12	16	22	29	29	15	18	23	10	0	10	25	8	5	24	31	30	
SILOAM SPRINGS	MAX	62	53	56	59	53	40	50	65	67	66	37	16	24	38	43	49	52	45	41	28	45	56	27	32	37	30	21	36	40	39	38	
	MIN	33	34	32	38	35	31	23	28	44	37	16	-2	-3	9	11	14	22	24	5	1	18	27	-3	-2	12	14	-1	5	24	23	23	
STUTT GART	MAX	59	58	62	58	59	54	51	61	66	77	68	47	34	37	44	48	55	60	59	40	40	59	59	27	32	30	27	31	37	39	41	
	MIN	31	41	36	40	46	45	29	31	38	49	42	18	10	11	17	20	24	36	35	15	30	28	16	5	14	26	10	10	25	32	29	
STUTT GART 9 ESE	MAX	55	60	59	61	55	49	41	50	59	63	75	51	25	25	35	44	49	55	61	39	29	38	58	17	23	31	30	21	34	37	39	
	MIN	27	31	31	33	42	38	29	29	31	40	41	20	-9	9	9	14	18	31	36	14	14	19	12	2	5	15	9	8	9	31	26	
SUBIACO	MAX	57	58	47	56	54	49	52	64	71	70	66	27	22	37	43	49	49	60	54	28	50	61	56	28	26	33	33	35	36	41	41	
	MIN	30	37	35	36	44	35	24	36	32	41	26	4	3	4	12	11	26	28	16	6	17	24	8	2	12	20	5	7	23	30	31	
TEXARKANA W8 AIRPORT	MAX	59	61	62	57	56	44	54	66	69	75	52	22	26	37	45	51	58	56	51	30	50	65	55	30	28	31	25	39	37	43	41	
	MIN	38	44	35	48	44	31	28	34	44	52	22	15	10	12	17	20	37	46	15	13	21	32	10	6	17	21	12	13	33	35	37	
WALORON	MAX	63	59	55	62	53	45	52	68	67	69	65	25	25	40	47	51	55	62	57	32	50	61	57	34	32	31	31	39	41	41	40	
	MIN	28	37	34	38	44	35	22	25	30	40	25	6	2	1	9	11	20	23	14	5	14	31	7	1	13	22	7	4	29	32	31	
WALNUT RIDGE FAA AP	MAX	54	49	54	39	44	42	41	57	65	68	49	35	26	36	41	48	46	54	38	34	33	47	23	22	26	28	22	25	35	35	30	
	MIN	25	33	29	32	37	33	29	28	35	48	35	10	2	10	16	21	19	29	15	8	13	23	0	-2	8	16	6	3	14	27	22	
WARREN	MAX	64	64	65	58	55	52	56	66	67	75	73	48	32	41	41	51	59	64	56	38	47	64	57	29	31	32	27	38	39	42	41	
	MIN	29	37	31	40	46	41	26	33	38	55	45	17	12	8	11	11	20	43	37	19	15	30	15	1	9	26	11	9	30	36	31	
WEST MEMPHIS	MAX	57	60	60	58	51	49	45	56	58	72	70	50	23	35	43	50	53	60	57	33	36	57	55	20	30	29	26	28	39	38	40	
	MIN	26	32	30	41	41	37	34	31	40	53	44	19	20	12	14	16	22	34	32	14	13	29	7	2	10	24	15	5	19	32	26	
WHITE ROCK	MAX	51	52	54	52		44	46	59	64	60	54	22	20	33	39	43	43	51	45	28	37	51	45	21	22	27	21	26	34	35	32	
	MIN	38	40	36	44		27	26	35	45	42	20	-4	-7	7	19	20	28	34	6	-2	15	29	-6	-5	10	12	-2	5	17	29	26	

## EVAPORATION AND WIND

Station		Day of month																															Total Evap or Avg
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
BLAKELY MOUNTAIN OAM	EVAP	-	.07	.05	.03	.04	.04	.03	.06	.06	.04	.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	7	21	26	20	37	36	35	15	20	63	83	98	45	21	21	16	13	31	86	43	25	73	103	30	42	77	33	56	20	22	1235	
HOPE 3 NE	EVAP	.07	.07	.04	.03	.02	.05	.04	.02	.09	.09	.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	10	5	7	10	11	47	28	30	31	84	49	74	112	29	12	10	9	11	15	56	28	50	125	107	20	26	64	31	18	14	13	
NARROWS OAM	EVAP	-	.04	.05	.06	.03	*	*	*	*	*	.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	36	37	21	23	15	12	5	12	13	40	37	64	34	39	1	9	16	14	16	20	26	8	23	51	44	9	10	21	11	18		
NIMROO OAM	MAX	53	49	60	58	48	53	45	-	-	58	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MIN	35	35	42	42	48	43	36	-	-	37	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RUSSELLVILLE	EVAP	-	.03	.04	.01	.05	.00	-	-	-	.03	.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	9	8	3	5	18	7	6	8	7	20	14	34	30	11	4	5	9	11	22	23	16	13	28	22	25	15	16	6	37	2	-	
STUTT GART 9 ESE	EVAP	.03	.03	.03	.01	.03	.03	.01	.05	.04	.04	.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	6	3	7	4	18	10	11	4	8	9	32	21	94	4	2	8	6	17	26	45	18	15	63	17	24	15	31	31	40	1	30	
	MAX	58	55	55	58	50	49	55	52	53	59	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN	38	43	43	41	46	42	46	38	59	39	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EVAP	-	-	.04	.03	.02	.01	-	-	.05	.10	.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	13	8	5	3	9	48	77	31	43	154	130	128	183	44	14	6	7	15	19	135	65	85	128	-	0	28	62	106	62	28	33	
	MAX	-	56	57	55	52	50	51	57	57	69	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN	-	36	38	38	44	43	-	-	31	36	38	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## SUPPLEMENTAL DATA

Station	Wind direction		* Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	MIDNIGHT CST	6:00 A. CST	NOON CST	6:00 P. CST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
FORT SMITH W8 AIRPORT	ENE	16	8.1	26	N	23	73	76	57	58	5	2	0	1	0	0	8	55	5.6
LITTLE ROCK W8 AIRPORT	N	11	8.0	31++	NW	22	77	81	59	60	3	8	3	0	0	0	14	50	5.9
TEXARKANA W8 AIRPORT	NW	20	8.6	-	-	-	78	81	63	67	4	9	2	1	0	0	16	-	-

See reference notes following Station Index.

# SNOWFALL AND SNOW ON GROUND

ARKANSAS  
JANUARY 1963

Station	Day of month																																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
BATESVILLE L AND D NO 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BRINKLEY													T											.6		T	T	T	T	T	T	T	
CONWAY												T	T																				
CORNING																							1.0	.5									
CROSSETT 7 S												T								T													
DE QUEEN												T																					
EL DORADO FAA AIRPORT												T									T												
EUREKA SPRINGS												.5								T													
FAYETTEVILLE FAA AIRPORT											.2	T									T							T	T				
FORT SMITH WB AIRPORT											T										T	T											
GILBERT																																	
GRAVETTE												-	T								-	T											
HARRISON FAA AIRPORT											T	T	T								T						T	T					
HOT SPRINGS 1 NNE											-																T	T					
JONESBORO												.5	T	T	T	T									.8	1	T	T	T	T	T	T	
LITTLE ROCK WB AIRPORT											.2													.4	T	T	T	.1	T	T			
MAMMOTH SPRING																						.1											
MARIANNA 2 S																								1.0	1	T	T	T	T	T			
MONTECELLO 3 S																																	
MOUNT IDA												T	T																				
NEWPORT												.5													.5		.5						
OZARK																																	
ROGERS												T																					
STUTTGART 9 ESE																									.5	1	1	1	1	T	T	T	T
TEXARKANA WB AIRPORT																																	
WALDRON																																	
WALNUT RIDGE FAA AIRPORT												T																					

See reference notes following Station Index.





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- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

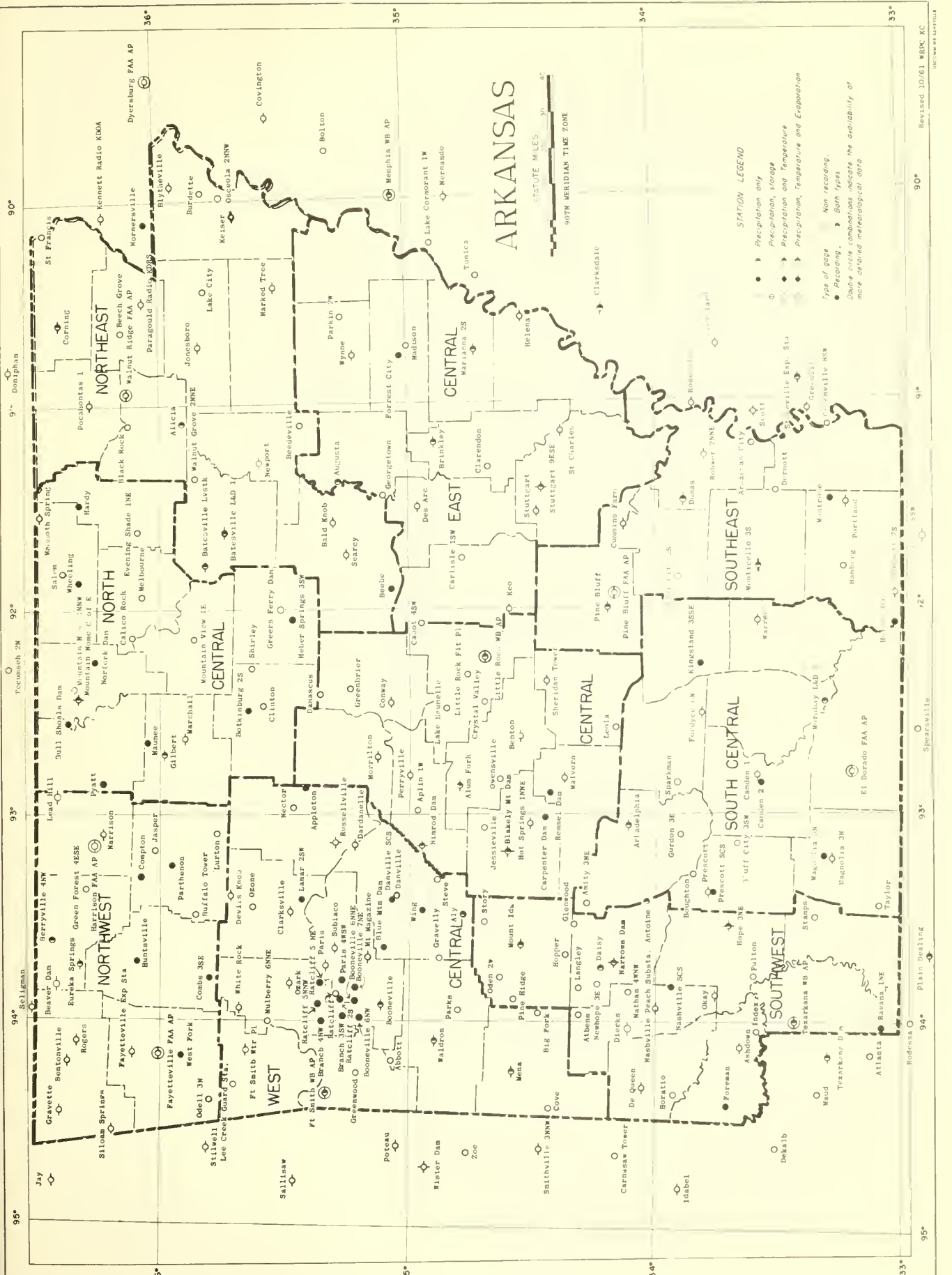
- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- \* Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-ASHEVILLE---3/22/63---875



**STATION LEGEND**

- Precipitation only
- Precipitation storage
- ◆ Precipitation, Temperature and Evaporation

Type of gage

- Non-recording
- Recording
- Both types

Shaded circles combinations indicate the availability of more detailed meteorological data







U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

# CLIMATOLOGICAL DATA

ARKANSAS

FEBRUARY 1963  
Volume 68 No. 2



ASHEVILLE: 1963





## CLIMATOLOGICAL DATA

ARKANSAS  
FEBRUARY 1963

CONTINUED

Station	Temperature											Precipitation														
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days					Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days				
										90° or Above	32° or Below	20° or Below	32° or Below	0° or Below					Total	Total	Max. Depth on Ground	Date	10 or More	50 or More	1.00 or More	
																										Max.
SOUTHWEST																										
SHDOWN	60.2	27.3	43.8		77	6	13	22	587	0	0	22	0	1.02		.38	24							3	0	0
E QUEEN	58.3	28.7	43.5		74	27+	14	22	597	0	0	20	0	.60		.35	10							2	2	0
IERKS	57.3	26.4	41.9		74	27+	12	12	642	0	0	23	0	1.05		.40	10							4	0	0
OPE 3 NE	59.0	29.4	44.2	- 2.4	76	6	14	22	576	0	0	21	0	1.71	- 2.75	.59	10						5	1	0	
COUNT IDA	56.8	25.4	41.1	- 3.0	77	6	8	22	663	0	0	22	0	1.51	- 2.82	.72	10							3	1	0
ARROWS DAM	55.0	24.3	39.7		74	7	10	23+	702	0	0	25	0	.93		.45	10							3	0	0
ASHVILLE PEACH SUBSTA	55.6	27.3	40.5		74	7	12	22+	680	0	0	22	0	1.16		.40	10							4	0	0
KAT	60.7	29.9	45.3	- 3.8	77	6	15	22	545	0	0	19	0	1.05	- 2.98	.48	23							4	0	0
EXARKANA WB AIRPORT	//R	57.4	31.5	44.5	- 4.0	76	6	19	22+	569	0	0	16	0	2.29	- 1.73	1.52	28					11	5	2	1
DIVISION																										
			42.7	- 4.0										1.26	- 2.89											
SOUTH CENTRAL																										
RKADELPHIA	57.5	29.0	43.3		76	6	15	22	600	0	0	19	0	1.65	- 2.71	.65	9							4	1	0
AMDEN 1	60.4	29.7	45.1	- 2.8	79	6	15	22	552	0	0	18	0	1.35	- 3.23	.35	10							6	0	0
L DORADO FAA AIRPORT	56.8	29.5	43.2	- 6.2	76	6	16	22	605	0	0	19	0	2.57	- 2.11	.92	28							5	3	0
DRDYCE 6 W	57.3	29.7	43.5		78	6	12	22+	597	0	0	19	0	2.05		.46	19							7	0	0
AGNOLIA 3 N	60.4	29.7	45.0	- 5.1	78	6	15	22+	551	0	0	21	0	1.87	- 2.70	.66	10							4	1	0
DROBAY LOCK AND DAM 8	54.7	27.6	41.2		78	7	14	22	662	0	0	19	0	1.94		.81	11							4	2	0
RESCOTT	54.5	27.9	41.2	- 6.5	72	6	12	22	660	0	0	22	0	1.64	- 3.00	.55	10							5	1	0
ARREN	58.8	29.7	44.3	- 4.9	79	6	14	22	574	0	0	19	0	2.33		.88	11							5	2	0
DIVISION																										
			43.4	- 4.7										1.93	- 2.68											
SOUTHEAST																										
ROSSETT 7 S	59.9	29.5	44.7	- 4.5	77	6	14	22	561	0	0	19	0	2.47	- 2.35	.71	11							7	2	0
JMINS FARM	55.8	27.0	41.4		77	6	15	22	652	0	0	22	0	2.24		.53	10							6	1	0
JMAS	56.0	28.5	42.3	- 5.5	80	6	12	22	632	0	0	19	0	2.00	- 2.75	.70	11							6	2	0
JDORA	58.3	32.0	45.2		77	6	17	21	590	0	0	14	0	3.19		1.01	11							7	2	1
JMNICELLO 3 S	57.9	24.9	41.4		77	6	7	23	651	0	0	23	0	2.34		.58	11							7	1	0
JNE BLUFF	57.5	30.5	44.0	- 4.0	80	6	18	22	581	0	0	17	0	2.40	- 2.70	.91	11							6	1	0
JNE BLUFF FAA AIRPORT	53.5	29.3	41.4		78	6	16	22	653	0	0	21	0	3.34		1.06	10							6	2	2
JRTLAND	52.8	27.6	40.2	- 8.5	78	7	17	23+	687	0	0	23	0	1.85	- 3.10	.75	19							4	2	0
JHWER 2 NNE	56.9	29.5	43.2		75	6	15	22	605	0	0	19	0	1.94		.92	10							4	2	0
DIVISION																										
			42.6	- 5.7										2.42	- 2.42											

## TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 80° on the 6th at Dumas and Pine Bluff

Lowest Temperature: 0° on the 22d at Batesville L and D 1

Greatest Total Precipitation: 3.36 inches at Newport

Least Total Precipitation: 0.00 inch at Lead Hill

Greatest One-Day Precipitation: 2.06 inches on the 10th at Newport

Greatest Reported Total Snowfall: 3.0 inches at Devils Knob

Greatest Reported Depth of Snow on Ground: 3 inches on the 23d at White Rock, and  
on the 25th at Buffalo Tower

See reference notes following Station Index.











# SNOWFALL AND SNOW ON GROUND

ARKANSAS  
FEBRUARY 1963

Station		Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
BLYTHEVILLE	SNOWFALL SN ON GND											T														T						
CONWAY	SNOWFALL SN ON GND										T																					
CORNING	SNOWFALL SN ON GND																								.3							
CROSSETT 7 S	SNOWFALL SN ON GND										T	.2												1.0								
DEVILS KNOB	SNOWFALL SN ON GND										T														3.0							
EL DORADO FAA AIRPORT	SNOWFALL SN ON GND										T												T									
FAYETTEVILLE FAA AIRPORT	SNOWFALL SN ON GND									T	T													T					T			
FORT SMITH WB AIRPORT	SNOWFALL SN ON GND																							T								
GRAVETTE	SNOWFALL SN ON GND																								T				T			
HARRISON FAA AIRPORT	SNOWFALL SN ON GND									T	T					T						T		T					-			
HOT SPRINGS 1 NNE	SNOWFALL SN ON GND										T																					
JONESBORO	SNOWFALL SN ON GND										T																					
LITTLE ROCK WB AIRPORT	SNOWFALL SN ON GND										.4													T								
MARIANNA 2 S	SNOWFALL SN ON GND		T								1.0																					
MARKED TREE	SNOWFALL SN ON GND	-	-	-	-						1	T															T					
MOUNT IDA	SNOWFALL SN ON GND										T	T													T							
PINE BLUFF FAA AIRPORT	SNOWFALL SN ON GND										T																					
ROGERS	SNOWFALL SN ON GND		T							T																						
SEARCY	SNOWFALL SN ON GND										T																					
STUTT GART 9 ESE	SNOWFALL SN ON GND										.3	T																				
TEXARKANA WB AIRPORT	SNOWFALL SN ON GND										.5	T											T					T				
WALBRON	SNOWFALL SN ON GND																								.5							
WALNUT RIDGE FAA AIRPORT	SNOWFALL SN ON GND																							T	T							

## SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	MIDNIGHT CST	6:00 A CST	NOON CST	6:00 P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
FORT SMITH WB AIRPORT	ENE	21	8.0	33	SW	27	65	75	51	51	4	2	2	1	0	0	9	55	6.3
LITTLE ROCK WB AIRPORT	NNE	12	8.9	38	S	27	68	75	46	50	2	4	2	0	2	0	10	60	5.5
TEXARKANA WB AIRPORT	NE	10	9.3	-	-	-	67	76	52	53	2	3	4	0	1	0	10	-	-

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+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

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T Trace, an amount too small to measure.

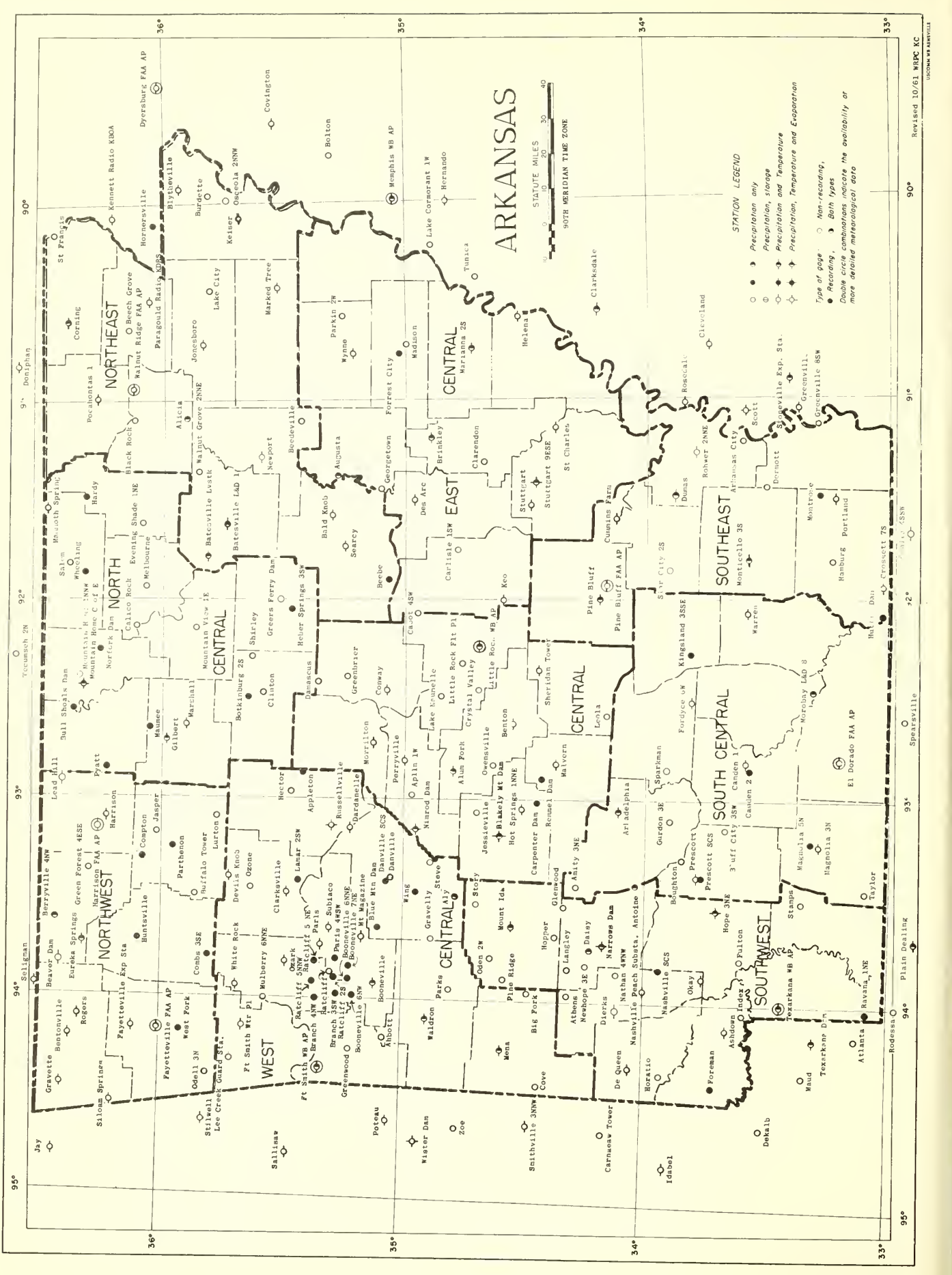
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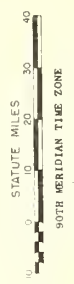
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USCOMM-WB-ASHEVILLE, N.C. --- 4/18/63 ---875



# ARKANSAS



- STATION LEGEND**
- ● Precipitation only
  - ● Precipitation, storage
  - ● Precipitation and Temperature
  - ● Precipitation, Temperature and Evaporation
- Type of gage: ○ Non-recording,  
● Recording  
Double circle combinations indicate the availability of more detailed meteorological data

U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

# CLIMATOLOGICAL DATA

## ARKANSAS

MARCH 1963

Volume 68 No. 3



CLIMATOLOGICAL DATA

ARKANSAS  
MARCH 196

Table with columns for Station, Temperature (Average Minimum, Average, Average Maximum, Departure From Normal, Highest, Date, Lowest, Date, Degree Days), No. of Days (90 or Above, 81 or Above, 72 or Above, 63 or Above, 54 or Above), Precipitation (Total, Departure From Normal, Greatest Day, Date), and Snow, Sleet (Total, Max. Depth on Ground, Date, 10 or More, 50 or More, 100 or More).

See Reference Notes Following Station Index

# CLIMATOLOGICAL DATA

ARKANSAS  
MARCH 1963

CONTINUED

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days			
										90° or Above	31° or Below	31° or Below	0° or Below					Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More	
																								Max.
<b>SOUTHWEST</b>																								
ASHDOWN	75.2	42.9	59.1		87	30	28	7+	211	0	0	3	0	5.30		1.68	1		.0	0		7	3	3
DE QUEEN	73.5	42.6	58.1		88	31	24	6	248	0	0	6	0	5.73		1.60	11+		.0	0		9	3	2
DIERKS	73.3	40.0	56.7		86	31+	21	6	281	0	0	8	0	6.42		1.87	1		.0	0		7	4	3
HOPE 3 NE	73.0	45.7	59.4	6.2	85	28	27	6	212	0	0	4	0	3.87	- 1.14	1.74	1		.0	0		6	2	1
MOUNT IDA	71.5	39.4	55.5	5.0	85	31+	23	6	317	0	0	8	0	6.39	1.21	1.77	1		.0	0		8	4	2
NARROWS DAM	71.5	38.0	54.8		86	29	22	6	321	0	0	9	0	6.17		2.08	1		.0	0		8	4	3
NASHVILLE PEACH SURSTA	70.0	41.9	56.0		85	29	23	6	298	0	0	4	0	5.42		1.96	1		T	0		8	3	3
OKAY	74.8	46.6	60.7	5.1	86	31+	29	6	179	0	0	2	0	5.40	-.70	1.60	1		.0	0		8	3	2
TEXARKANA WB AIRPORT //R	72.0	48.6	60.3	5.4	85	31+	32	6	184	0	0	1	0	2.38	- 2.36	.55	25		T	T	5	8	1	0
DIVISION			57.8	4.6										5.23	.48				T					
<b>SOUTH CENTRAL</b>																								
ARKADELPHIA	73.8	45.3	59.6		88	29	29	6	213	0	0	3	0	5.59	-.46	1.92	1		.0	0		7	3	3
CAMDEN 1	75.7	44.9	60.3	5.8	88	31	29	6	187	0	0	4	0	4.28	-.91	1.53	1		.0	0		7	4	1
EL DORADO FAA AIRPORT	73.3	44.5	58.9	3.3	87	31	29	22+	227	0	0	4	0	3.00	- 2.30	1.18	25		.0	0		6	2	1
FORDYCE 6 W	73.3	46.9	60.1		89	31	28	6	190	0	0	3	0	4.37		1.30	15		.0	0		9	3	1
MAGNOLIA 3 N	74.7	45.8	60.3	4.0	87	31	28	7	195	0	0	4	0	3.86	-.45	1.45	1		.0	0		8	2	1
MOROBAY LOCK AND DAM 8	73.3	43.0	58.2		86	31	27	6	238	0	0	8	0	3.04		1.35	1		.0	0		7	1	1
PRESCOTT	70.8	42.6	56.7	2.0	84	30	25	6	270	0	0	4	0	4.91	-.01	1.70	1		.0	0		9	3	2
WARREN	74.0	45.5	59.8	4.0	86	30	28	22	213	0	0	6	0	4.11		1.38	1		.0	0		9	3	1
DIVISION			59.2	4.5										4.15	-.87				.0					
<b>SOUTHEAST</b>																								
CROSSETT 7 S	76.3	45.1	60.7	5.2	88	31+	27	6	190	0	0	6	0	4.64	-.86	1.62	11		.0	0		8	4	1
CUMMINS FARM	72.3	44.8	58.6		87	31	28	6	233	0	0	2	0	5.28		2.01	11		.0	0		5	4	2
DUMAS	73.1	44.4	58.8	4.2	86	31	30	6	236	0	0	2	0	4.25	- 1.38	1.43	16		.0	0		7	2	2
EUDORA	76.1	49.2	62.7		88	30+	31	6	149	0	0	1	0	4.06		1.12	5		.0	0		7	4	1
MONTICELLO 3 S	74.2	37.9M	56.1M		87	31	21	25	288	0	0	10	0	3.22		1.41	1		.0	0		8	1	1
PINE BLUFF	73.5	47.2	60.4	5.6	88	31	30	6	204	0	0	2	0	4.68	-.65	1.62	1		.0	0		6	3	2
PINE BLUFF FAA AIRPORT	72.3	46.8	59.6		89	31	31	6	218	0	0	1	0	4.12		1.01	1		.0	0		7	3	1
PORTLAND	72.2	43.3	57.8	2.7	85	31	30	6	243	0	0	3	0	4.03	- 1.47	1.30	4		.0	0		8	3	2
ROHWER 2 NNE	74.2	42.8M	58.5M		86	31	31	6	237	0	0	2	0	4.08		1.80	2		.0	0		6	2	2
DIVISION			59.2	4.5										4.27	- 1.28				.0					

### TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 90° on the 31st at Searcy, and on the 28th at Russellville

Lowest Temperature: 15° on the 2d at Pelsor

Greatest Total Precipitation: 8.31 inches at Burdette

Least Total Precipitation: 1.42 inches at Fayetteville FAA AP

Greatest One-Day Precipitation: 4.11 inches on the 5th at Osceola 2 NNW

Greatest Reported Total Snowfall: 2.0 inches at Harrison

Greatest Reported Depth of Snow on Ground: Trace on the 5+ at 3 stations

See Reference Notes Following Station Index



# DAILY PRECIPITATION

ARKANSAS  
MARCH 1963

Continued

Station	Total	Day of Month																																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
NARROWS OAM	6.17	2.08								.20	1.40					1.26	.69		.06																		
NASHVILLE PEACH SUBSTA	5.42	1.96		T	.48	.17	.11			.27	1.19					1.08	.44		.06							.14											
NATHAN & WNW	6.45	1.75			.48					.43	1.30	1.19				1.85			.60																		
NATURAL OAM	2.01	.64	.02		.02	.44				.15	.17					.14		T	.30																		
NEWHOPE 3 E	4.68	.75			.86						1.00	.37				1.00	.70																		.13		
NEWPORT	5.32	.20			3.04	.01				4.11	T				1.49	T		.08	.02	T		.01															
NIMROD OAM	7.11	1.30			.04	1.50	.20			.02	1.70						.45	.05		1.85																	
OEELL 3 N	1.68	.43			.14	.58				.12	.18						.23																				
OEEN 2 W	5.83	1.48			.02	.82	.07			.03	1.80						.82			.44																	
OKAY	5.40	1.60			.40	.16				.30	1.40					.97	.20		.07								.24										
OSCEOLA 2 NNW	7.20	1.05			4.11	T					.95						.53		.26		.03														.27		
OWENSVILLE	5.28	1.54	.01	T		1.18	.05			.16	1.40						.64	.20		.10																	
OZARK	2.65	1.01			T	.34	.04			.05	.23						.26	.67		.04						.01											
OZONE	2.13				.90						.68	1.68					.55	.70		.10	T																
PARAGOULO RADIO KORS	5.22	.73			1.70					.03	1.68						.70		.10	T																.28	
PARIS	3.10	.90			.30	.10				.09	.43					.16	1.12																				
PARKIN 2 W	4.59	.72	.12			1.69	T				1.40						.74	.20			.24														.29		
PARKS	4.59				.49					.25	1.05	.08					.25																				
PELSOR	2.30				.38					.15							1.77			2.55																	
PERRYVILLE	6.62	1.10			.48	.91	.03				1.70						.03	.81	.27		1.29																
PINE BLUFF	4.48	1.62	.09		T	.24	T			.22	.89	.09					1.08	.45		T	T																
PINE BLUFF FAA AIRPORT	4.12	.77			.20	.02				.21	.46	1.01				.95	.48			T																	
PINE RIDGE	6.50	1.67			.11	.92	.21			.07	2.21						.63	.15		.41																	
POCAHONTAS I	5.86		.50			.95	1.30			.04	1.22						1.35		.23	.02																.20	
PORTLAND	4.03	.50			1.30					.10	.05	1.08				.20	.30			T						.30									.28		
PRESCOTT	4.91	1.70	.12			.18	.10			.26	.65						1.55	.03			.12																
ROGERS	2.98	.42	T		.91	T				.25	.49					.02	.41		T	.02																	
ROHMER 2 NNE	4.08		1.80			1.38				1.08	.32						.08	.32		.03																	
RUSSELLVILLE	4.11	1.03			.05	.25					1.27					.28	1.15			.08																.46	
SAINT CHARLES	5.13	1.23	.10			.20	.14			.15	1.87	.22					.73	.21																		.28	
SAINT FRANCIS	4.57	.90				1.90					1.20						.42	.10	.05																		
SALEM	6.38	.97			.26	1.50				.12	.59						.55	2.16	.03																		
SEARCY	6.88	1.03	.01			2.13	.06			.02	1.81	.01					.54	.49		.78																	
SHERIDAN TOWER	5.33	1.49			.62	.27				.18	1.20					.51	.69		.37																		
SHIRLEY	5.36	1.02	T		.12	.61	.26			T	.06	1.78					.76	.69	.06	T																	
SILOAM SPRINGS	2.66	.29	.01		.06	.70				.15	.46						.19																			.80	
SPARKMAN 3 WSW	4.87	1.61			.03	.21				.30	.96						1.32	.19		.09							.10	.06									
STAMPS	4.06	1.43				.08	T			.19	.84						T	.30	.68		.03																
STAR CITY 2 S	5.12	1.53			.02					.12	.87						1.74	.54																			
STORY	4.41				.20	1.24					1.85							.62	.15		.35																
STUTTGART	3.88		.02		.05		.22	.07	.21		.78						1.08	.98		T	.40																
STUTTGART 9 ESE	4.20	1.42	T			.19				.18	1.02	.02					.82	.30		.25																	
SUBIACO	3.54	1.20		.13		.42					.47						.27	1.05																			
TAYLOR	5.17	1.40					T			.33	.45						.23	.95																			
TEXARKANA WB AIRPORT //R	2.38	.31			.12	.06				.20	.17	.33				.44	.18			.02																	
WALORON	4.72	1.55			.97	.49				.16	.46						.26			.83																	
WALNUT RIDGE FAA AP	4.47	.42			1.15	.07				.22	.03	.07	1.39				.33	.46		.02																	
WARREN	4.11	1.38	.04			.36				.22	.37	.07					.03	.61	.21		.17																
WEST MEMPHIS	2.70				.05	.05											1.12	.80	.34																		
WHITE ROCK	2.92	.83			.29	.40				.15	.24						.65			.28																	.08
WYNNE	5.71	.85			T	2.70	T				.94						.17	.78		.07																	







# DAILY TEMPERATURES

ARKANSAS  
MARCH 1963

Continued

Station	Day Of Month																															Average		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
ROHWER 2 NNE	MAX MIN	68 38	72 33	75 34	82 46	77 38	60 31	64 33	78 35	75 34	66 36	69 37	82 58	80 44	68 44	51 37	82 48	85 32	80 48	81 79	76 68	63 65	62 65	73 75	74 76	75 58	72 47	75 37	81 53	83 55	85 57	86 56	74.2 42.8	
RUSSELLVILLE	MAX MIN	57 37	62 35	68 35	77 58	69 36	65 28	74 27	69 49	65 30	75 46	81 39	87 43	77 43	64 34	58 39	72 48	82 81	79 78	68 60	65 41	65 39	75 28	76 31	80 46	79 56	78 50	90 41	86 63	83 64	89 60	87 60	73.4 42.9	
SAINTE CHARLES	MAX MIN	70 43	52 33	64 34	74 48	78 50	56 30	60 33	63 35	69 40	63 35	68 35	80 50	83 43	72 42	56 38	62 40	64 53	80 48	77 61	80 48	65 42	56 38	64 38	70 38	75 53	74 50	70 40	75 50	83 45	84 54	80 58	80 57	69.9 43.2
SEARCY	MAX MIN	58 37	61 36	72 36	80 56	72 44	60 30	64 31	72 33	68 46	66 34	78 47	82 47	79 46	63 41	52 37	77 43	83 47	77 53	67 65	62 40	62 39	72 34	76 34	80 46	77 62	79 51	79 44	85 44	85 55	86 60	90 60	72.7 44.3	
SHERIDAN TOWER	MAX MIN	58 36	63 26	75 40	76 61	70 37	61 26	66 33	72 34	64 52	67 51	78 47	82 51	70 43	68 40	50 35	50 33	82 43	79 49	75 63	66 39	61 38	65 28	74 35	73 50	80 64	76 50	79 49	85 50	85 58	86 60	89 59	71.8 44.5	
SILOAM SPRINGS	MAX MIN	50 26	65 39	68 39	69 56	59 31	59 24	81 26	66 32	66 38	59 31	65 45	73 43	58 38	54 33	56 40	74 45	71 39	73 50	61 73	58 38	68 30	73 28	75 36	75 51	76 44	65 44	65 49	89 53	81 55	77 59	84 64	68.0 41.2	
STUTT GART	MAX MIN	65 36	61 28	73 42	79 46	76 34	61 30	71 30	65 45	63 46	67 37	75 54	84 55	74 34	65 42	54 39	72 43	79 49	78 55	80 43	69 49	64 39	64 35	72 35	76 35	79 44	75 44	80 55	85 64	86 59	87 64	88 64	73.0 43.3	
STUTT GART 9 ESE	MAX MIN	68 35	49 34	59 38	72 48	77 47	53 29	58 32	63 36	69 40	60 35	68 43	77 52	81 45	76 40	55 37	60 38	71 50	78 55	75 64	77 44	63 38	58 32	62 37	76 44	80 55	74 44	75 55	76 45	68 38	84 55	84 56	85 57	69.3 43.5
SUBIACO	MAX MIN	53 34	66 39	71 39	76 56	64 36	56 23	62 26	72 27	68 45	66 27	72 45	78 35	75 27	63 44	57 39	76 43	78 38	82 56	77 55	65 39	62 32	65 26	75 30	74 46	79 55	76 50	80 40	89 65	85 65	82 65	89 72	72.0 43.7	
TEXARKANA WB AIRPORT	MAX MIN	58 39	69 34	78 42	76 64	54 36	59 32	66 35	71 45	66 46	74 40	79 55	82 55	77 52	62 42	50 35	76 44	77 53	77 67	71 52	69 45	64 38	72 48	71 57	79 48	71 58	79 58	85 52	83 64	84 63	85 61	85 61	72.0 48.6	
WALORON	MAX MIN	56 34	67 42	72 33	75 64	64 36	57 23	65 26	72 27	69 45	68 27	75 44	78 35	75 37	59 36	80 39	76 43	80 38	76 56	65 55	63 39	68 32	73 26	70 30	78 46	80 55	78 50	88 40	85 65	83 60	88 61	78.4 41.1		
WALNUT RIDGE FAA AP	MAX MIN	52 33	59 33	68 35	72 55	58 36	57 31	61 34	67 32	58 41	59 34	73 42	79 45	65 41	54 38	57 35	69 44	76 52	62 48	63 41	66 37	62 28	68 37	74 50	74 57	67 49	73 40	81 57	83 59	83 59	84 60	84 60	67.5 42.7	
WARREN	MAX MIN	66 40	65 32	77 45	82 65	73 43	64 33	68 33	71 33	70 45	81 33	85 43	80 59	69 43	53 39	60 44	71 44	83 55	80 63	76 56	69 43	62 28	63 31	76 51	77 38	75 48	78 35	84 50	84 57	86 58	82 56	82 56	74.0 45.5	
WEST MEMPHIS	MAX MIN	55 39	58 33	72 42	80 60	70 43	55 33	60 33	68 33	67 45	66 33	75 43	79 54	74 42	58 34	53 40	70 44	79 54	77 52	78 44	69 36	60 33	70 38	73 38	70 38	68 38	71 31	81 59	84 56	85 59	84 59	84 59	69.8 45.6	
WHITE ROCK	MAX MIN	49 26	57 33	65 42	65 53	58 27	53 24	65 32	61 40	65 35	71 41	71 45	65 45	53 34	53 31	50 31	69 38	74 48	69 51	66 47	58 38	54 31	59 43	67 51	74 43	71 51	75 38	81 46	78 59	73 59	84 56	78.4 40.8		
WYNNE	MAX MIN	57 31		79 33	74 39	56 29	61 29	69 32			74 44	80 49	77 42	60 38	53 32	71 40	78 49	76 41	65 34	59 26	59 37	70 26	74 37	71 52	68 44	73 39	81 52	84 57	83 56	86 60	86 60	70.7 42.0		

# EVAPORATION AND WIND

Station	Day of month																															Total or Avg.	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
BLAKELY MOUNTAIN	EVAP WIND	-.08 53	.13 25	.04 26	.13 48	* 77	.16 52	* 30	.24 41	.11 37	.13 63	.19 33	.20 54	.17 62	.11 51	* 36	.05 31	.12 21	.10 42	.20 41	.18 63	.17 37	.13 19	.14 29	.04 42	.19 53	.19 45	.18 31	.15 30	.16 39	.12 24	83.94 1265	
HOPE 3 NE	EVAP WIND	-.04 82	.11 33	.12 28	.12 77	.11 126	.09 48	.14 28	.23 83	.14 33	.20 48	.16 39	.24 41	.21 77	.15 60	.00 26	.06 40	.10 32	.11 95	.25 52	.25 67	.19 45	.13 13	.21 51	.08 77	.14 40	.18 41	.24 50	.20 62	.22 47	.21 62	84.78 1617	
MOUNTAIN HOME C OF ENG	EVAP WIND MAX MIN	- 0	- 10	- 10	- 50	- 40	- 40	- 20	- 24	- 5	- 43	- 19	- 54	- 17	- 6	- 39	- 23	- 5	- 38	- 47	- 49	- 20	- 1	- 13	- 28	- 29	- 23	- 7	- 11	- 35	- 5	- 731	
NARROWS OAM	EVAP WIND MAX MIN	.14 45 57 44	.09 15 56 42	.14 66 67 42	.04 77 68 48	.13 43 51 48	-.25 29 58 37	.17 34 65 38	.16 61 66 48	-.12 27 71 36	-.16 31 65 38	.23 62 74 45	.17 39 66 45	.13 27 72 45	.13 33 54 45	.00 33 56 45	.13 28 68 47	.11 32 75 48	.08 28 66 44	.16 32 75 44	.21 41 67 42	.25 33 65 40	.15 21 64 40	.18 33 64 40	.06 48 75 52	.14 34 65 48	.20 41 75 40	.21 50 82 62	.22 53 81 61	.14 34 67 62	84.55 1354		
NIMROD OAM	EVAP WIND	-.05 17	.09 10	.08 23	.06 24	-.06 34	.08 24	.08 13	.08 11	.08 22	-.10 51	.16 14	.10 25	.14 14	.07 22	-.04 25	.11 20	-.04 16	.11 30	-.20 23	.17 28	.11 16	.11 12	.12 15	.13 31	.16 27	.15 19	.07 14	.02 22	.17 23	.09 18	83.14 655	
RUSSELLVILLE	EVAP WIND MAX MIN	.05 17 62 40	.09 29 64 46	.08 30 66 44	.06 33 68 58	.11 63 71 46	.09 27 65 37	.13 24 71 40	.14 5 73 40	.11 14 75 44	.13 34 77 42	.14 42 77 49	.19 20 81 51	.19 18 75 45	.09 25 68 43	-.12 19 66 43	-.12 4 89 45	.20 21 79 49	.22 39 81 49	.20 25 78 49	.20 22 75 49	.18 16 73 43	.11 6 72 40	.16 13 74 43	.09 14 81 54	.24 39 75 50	.16 9 81 44	.15 21 87 50	.19 11 91 64	.15 11 88 65	84.39 697		
STUTT GART 9 ESE	EVAP WIND MAX MIN	.21 130 67 32	.04 59 55 32	.11 48 69 32	.14 127 73 39	.12 206 76 46	* 140	.22 57	.14 36	.20 116	.10 50	.21 96	.12 59	.25 65	.30 98	.04 31	.03 79	.04 131	.18 40	.08 116	.33 132	.25 70	.19 13	.14 75	.25 151	.27 123	.14 75	.25 106	.30 139	.32 71	.40 2923	.28 71	5.69 2923

See reference notes following Station Index.

# SNOWFALL AND SNOW ON GROUND

ARKANSAS  
MARCH 1963

Station		Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
FAYETTEVILLE FAA AP	SNOWFALL SN ON GND					T																											
HARRISON FAA AIRPORT	SNOWFALL SN ON GND	T																															
HOT SPRINGS 1 NNE	SNOWFALL SN ON GND					T																											
LITTLE ROCK WB AIRPORT	SNOWFALL SN ON GND	T				T																											
ROGERS	SNOWFALL SN ON GND					T																											
TEXARKANA WB AIRPORT	SNOWFALL SN ON GND					T																											
WALNUT RIDGE FAA AP	SNOWFALL SN ON GND	T																															

## SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	MIDNIGHT CST	6:00 A.M. CST	NOON CST	6:00 P.M. CST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
FORT SMITH WB AIRPORT	NE	11	8.8	30	SW	12+	75	81	50	47	4	4	5	1	0	0	14	65	5.4
LITTLE ROCK WB AIRPORT	WSW	13	10.3	34	SW	12	67	78	48	45	2	2	5	2	1	0	12	74	5.1
TEXARKANA WB AIRPORT	S	19	10.5	-	-	-	74	82	53	44	1	2	7	1	0	0	11	-	-



REFERENCE NOTES

Additional information regarding the climate of Arkansas may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for January 1957.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, B, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

\* Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

O Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table

for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in

Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

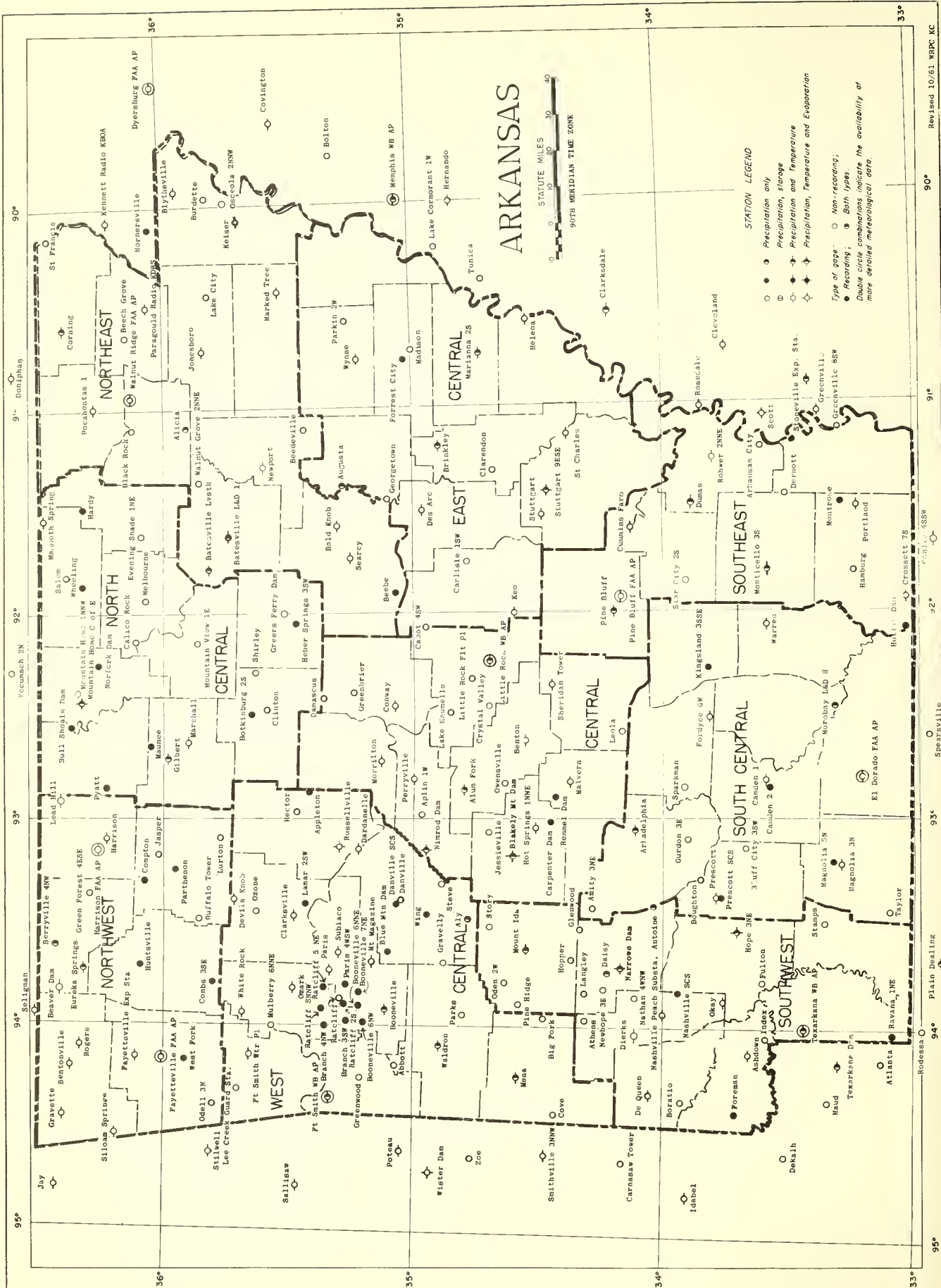
V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 45 cents. Similar information for regular Weather Bureau stations may be found in the 1961 annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-ASHEVILLE--5-10-63---875



**STATION LEGEND**

- Precipitation only
- Precipitation, storage
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation
- Type of page: ○ Non-recording; ● Recording; ○ Both types.
- Double circle combinations indicate the availability of more detailed meteorological data.

STATUTE MILES  
0 10 20 30 40

90TH MERIDIAN TIME ZONE

# ARKANSAS

U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

# CLIMATOLOGICAL DATA

ARKANSAS

APRIL 1963  
Volume 68 No. 4



TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 94° on the 21st at Lead Hill, and on the 2d at Marianna 2S

Lowest Temperature: 31° on the 24+ at Gilbert

Greatest Total Precipitation: 7.14 inches at Leola

Least Total Precipitation: 0.70 inch at Beech Grove

Greatest One-Day Precipitation: 4.34 inches on the 29th at Boughton

SPECIAL WEATHER SUMMARY

Central and East-Central Arkansas experienced a large hail storm the afternoon of April 29th. Thunderstorms developed about twenty miles to the west of Little Rock at 3:00 p. m. and moved eastward. Hail, 1 to 1 1/4 inches in diameter, fell over the City. According to a reliable report, 2-inch hail fell eight miles west-northwest of downtown Little Rock. One-inch hail occurred at Adams Field at 3:55 p. m., lasting five minutes. This is the largest hail reported at the Airport since records began. February 5, 1942, and May 31, 1934, records show a possible similar event at the old Weather Bureau City Office.

Hail of 3 to 4 inches in diameter fell in the Holly Grove area shortly after 5:00 p. m. April 29th. This is located 13 miles southeast of Clarendon.

Raymond L. Richardson  
Weather Bureau Acting State Climatologist  
Weather Bureau Airport Station  
Box 1819  
Little Rock, Arkansas





# CLIMATOLOGICAL DATA

ARKANSAS  
APRIL 1963

CONTINUED

Station	Temperature											Precipitation													
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days				
										Max.		Min.						Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More		
										90° or Above	80° or Above	32° or Below	0° or Below												
<b>SOUTHWEST</b>																									
ASHOOWN	79.1	54.0	66.6		87	22	38	7	49	0	0	0	0	5.72		1.19	26					7	5	2	
OE QUEEN	77.6	53.7	65.7		88	22+	39	7	57	0	0	0	0	3.26		.82	6					7	2	0	
OIERKS	77.2	52.2	64.7		88	20	35	7	67	0	0	0	0	3.98		.91	28					8	3	0	
HOPE 3 NE	76.8	55.0	65.9		3.1	86	22+	38	7	57	0	0	0	4.52	- 1.08	1.76	29					7	3	2	
MOUNT IDA	76.0	51.1	63.6		3.2	86	22	35	7	103	0	0	0	3.15	- 2.29	.77	27					8	2	0	
NARROWS OAM	76.4	51.1	63.8			86	23+	35	7	93	0	0	0	5.03		.91	29					8	6	0	
NASHVILLE PEACH SUBSTA	75.0	52.0	63.5			85	1	36	7	97	0	0	0	5.04		1.40	29					8	3	2	
OKAY	78.7	57.3	68.0		3.5	87	22	40	7	38	0	0	0	4.32	- .70	1.24	6					8	3	2	
TEXARKANA WB AIRPORT	//R	76.5	57.3	66.9		3.0	88	22	43	7	47	0	0	6.22		.92	28					8	3	2	
DIVISION			65.4		2.7									4.58	- 1.05										
<b>SOUTH CENTRAL</b>																									
ARKAOELPHIA	77.4	54.9	66.2		87	9	39	7	68	0	0	0	0	6.28	- .60	2.46	27					7	4	2	
CAMDEN 1	79.2	56.1	67.7		3.8	88	29	39	7	45	0	0	0	4.27	- .83	1.32	29					5	4	2	
EL DORADO FAA AIRPORT	77.1	55.8	66.5		2.0	86	29+	41	7	59	0	0	0	4.26	- 1.21	1.26	28					7	4	2	
FOROYCE 6 W	77.8	54.9	66.4			88	29	42	13+	64	0	0	0	4.94		2.22	28					6	3	2	
MAGNOLIA 3 N	78.5	55.4	67.0		2.2	86	29+	36	7	49	0	0	0	4.08	- 1.44	1.10	29+					7	3	2	
MOROBYA LOCK AND DAM 8	77.3	55.2	66.3			87	1	40	14+	70	0	0	0	4.44		1.65	29					5	3	2	
PRESCOTT	75.0	52.3	63.7		- 0.4	85	1	38	7	86	0	0	0	5.26	- .10	2.40	29					7	4	2	
WARREN	77.6	56.0	66.8		2.1	85	22+	42	14+	56	0	0	0	4.79		1.37	6					6	4	3	
DIVISION			66.3		2.5									4.79	- .53										
<b>SOUTHEAST</b>																									
CROSSETT 7 S	78.5	56.4	67.5		3.7	88	22	40	13	52	0	0	0	5.50	- .19	1.97	29					7	4	2	
CUMMINS FARM	75.9	54.6	65.3			85	22+	44	13	77	0	0	0	5.39		1.45	29					7	4	2	
OUMAS	77.4	54.6	66.0		2.2	86	9	45	13	57	0	0	0	4.03	- .97	1.10	29					7	4	2	
EUOORA	79.1	57.9	68.5			88	22+	46	14+	45	0	0	0	3.99		1.80	29					7	2	2	
MONTICELLO 3 S	77.6	M	M			85	22+				0	0	0	5.70		1.77	29+					6	4	2	
PINE BLUFF	77.3	57.2	67.3		2.8	87	1	43	7	56	0	0	0	6.43	1.07	1.96	28					8	4	2	
PINE BLUFF FAA AIRPORT	76.2	56.2	66.2			88	1	43	7	73	0	0	0	6.80		2.85	28					7	5	3	
PORTLAND	76.8	54.0	65.4		1.5	90	2	43	2	72	1	0	0	4.27	- .72	1.65	29					6	2	2	
ROHWER 2 NNE	77.9	55.5	66.7			85	21+	42	13+	51	0	0	0	5.21		1.52	6					8	3	3	
DIVISION			66.6		2.8									5.26	- .12										

See Reference Notes Following Station Index



# DAILY PRECIPITATION

ARKANSAS  
APRIL 1963

Continued

Station	Total	Day of Month																																		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
NARROWS OAM	5.03				.07	.84	.05									.27	.71						.07	.24	.52	.64	.71	.91								
NASHVILLE PEACH SUBSTA	5.04				.03	.01	.90	.04								.05	1.02	.02					.20	.37	.11	.48	.41	1.40	T							
NATHAN 4 WNW	4.67				.10	.70										.10	.60						.10	T	.90	.48	.88	.75	.06							
NEWHOPE 3 E	4.61					.10	.75										.42							1.00	.55	1.00	.79									
NEWPORT	3.22					.05	.12										.70						T		.53	T	.14	.81	.14							
NIMROO OAM	2.36					.02	.70	.07									.02	.35						.18	.10	.03	.60	.21	.08	T						
OEELL 3 N	4.27	.26															.36								1.55	.17	1.21		.57							
ODEN 2 W	3.01					.20	.64									.05	.26						.10	.28	.33	.44	.46	.25								
OKAY	4.32					.18	1.24										.60							.19	.38	.20	1.15	.38								
OSCEOLA 2 NNW	2.71						.38																.18	.22	.04		1.22	.32	T							
OWENSVILLE	4.27					.06	.10	.98	.04		T	T	T				.02	.44	.02				.14	.52	.03	1.20	.49	.23								
OZARK	4.19						.30										T	.23						.88	1.50	1.14	T	.14								
OZONE	2.71								.10					.12										1.10			1.04	.35								
PARAGOULD RADIO KORS	2.17																.03	.21					.17	.18	.23	.68	.57									
PARIS	2.77						.47										.12	.21						.44	.15	.10	1.22	.17	T							
PARKIN 2 W	2.87					.03	.38	.63									T	.25		.23				T	.26	.05	.15	.33	.56	T						
PARKS	2.64						.48																	.15	.16	1.50		.35								
PELSOR	3.70						.14							T			.07			.22				.80	.47	.05	1.40	.55								
PERRYVILLE	2.75						.08	.98										.14	.02					.06	.64	.02	.58	.18	.07							
PINE BLUFF	6.43					.02	T	.89	.49									.69						T	.35	.16	.25	1.96	1.62							
PINE BLUFF FAA AIRPORT	6.80						.15	1.13										.64						.31	.60		1.07	2.85	.05							
PINE RIDGE	3.35					.03	.10	.66									.07	.54						.24	.25	.15	.69	.62								
POCAHONTAS 1	1.29																	.42						.23	.05	.13	.33	.06	.07							
PORTLAND	4.27						T	T	1.50	.22														T	T	.25	T	T	.45	1.65	T					
PRESCOTT	5.26					.03	T	1.00	.40									.65						.03	.10	.15	.50	2.40								
RATCLIFF	1.73																							.21												
ROGERS	1.86						.30																	.10	.38	T	.05									
ROHWER 2 NNE	5.21					.15	1.52																		.15	.31	.49	.21	1.08	.08						
RUSSELLVILLE	2.29						.50										.06	.50							.32	.50	.65	.12	.11							
SAINT CHARLES	7.12						.86	.61											.88						.68	.26	1.01	1.08	1.50	.24						
SAINT FRANCIS	1.30																								.15	.10	.08	.37	.15	.20						
SALEM	.93																								.17	.08	.34	.27								
SEARCY	3.15																								.29	.10	.28	.28	.97							
SHERIDAN TOWER	4.28						.50	1.19	.28								.08	.37	.58						.12	T	.96	.70	.15							
SHIRLEY	1.64							T																	.73	.36	.24	.07								
SILDAM SPRINGS	1.93																									1.09	.13	.12	T	.05						
SPARKMAN 3 WSW	4.24							.91																	.21	.12	.09	.45	1.83							
STAMPS	5.35							1.50	.18																.12	.07	.76	1.61								
STAR CITY 2 S	4.96						.30	1.42	.03																.53	.05	.12	.22	1.30	1.35						
STORY	3.29							.45	.45																.40	.45	.92	.62								
STUTTGART	6.79							1.28																		.55	.71	.07	1.44	.36	2.38					
STUTTGART 9 ESE	6.42							.93	.65																	.70	.08	1.20	.37	1.68						
SUBIACO	2.53							.41	.05																.18	.39	.05	1.15	T	.20						
TAYLOR	4.49							1.34	.07																.10	.89	.04	.46	1.35							
TEXARKANA WB AIRPORT //R	6.22						.02	1.30	.22																.41	.34	T	.23	.24	.26	T					
WALORON	3.35						.06	.03	.52					.06	.06											.13	.14	.07	1.68	.13	.47					
WALNUT RIDGE FAA AP	1.27																.02	.06							.24	.20	.14	T	.29	.20	.12					
WARREN	4.79							1.37	.40																.01	.04	.03	1.01	1.25	.20						
WEST MEMPHIS	4.13							.18																	.05	.64	.36	.09	1.70	.02						
WHITE ROCK	3.97						.03	.16																	T	.65	.37	1.27	1.30	.19						
WYNNIE	2.42						.10	.05	.98																.48	T	.13	T								

DAILY TEMPERATURES

ARKANSAS  
APRIL 1963

Table with columns: Station, Day Of Month (1-31), and Average. Rows list various stations such as ALUM FORK, ARKADELPHIA, ASHDOWN, BALD KNOB, BATESVILLE LIVESDCK, BATESVILLE L AND D ND 1, BEAVER OAM, BENTDN, BENTONVILLE, BLAKELY MOUNTAIN DAM, BLYTHEVILLE, BODNEVILLE, BRINKLEY, CAMDEN 1, CLARKSVILLE, CONWAY, CORNING, CRDSSSET 7 S, CUMMINS FARM, DARDANELLE, DE OUEEN, DES ARC, DEVILS KNOB, DIERKS, DUMAS, EL DORAO FAA AIRPORT, EUDORA, EUREKA SPRINGS, FAYETTEVILLE FAA AP, FAYETTEVILLE EXP STA, FDRDYCE 6 W, FDRT SMITH WB AIRPDRT, FORT SMITH WATER PLANT, GILBERT, GRAVETTE, GREENBRIER, GREERS FERRY DAM, HARRISON, HARRISON FAA AIRPORT.

See reference notes following Station Index.



DAILY TEMPERATURES

Table with columns for Station, Day Of Month (1-31), and Average. Rows include Russellville, Saint Charles, Searcy, Sheridan Tower, Siloam Springs, Stuttgart, Stuttgart 9 ESE, Subiaco, Texarkana WB Airport, Waldron, Walnut Ridge FAA AP, Warren, West Memphis, White Rock, and Wynne.

EVAPORATION AND WIND

Table with columns for Station, Day of month (1-31), and Total of Avg. Rows include Blakely Mountain Dam, Hope 3 NE, Mountain Home C of Eng, Narrows Dam, Nimrod Dam, Russellville, Stuttgart 9 ESE.

SUPPLEMENTAL DATA

Table with columns for Station, Wind direction, Wind speed, Relative humidity averages, and Number of days with precipitation. Rows include Fort Smith WB Airport, Little Rock WB Airport, and Texarkana WB Airport.

See reference notes following Station Index.





REFERENCE NOTES

Additional information regarding the climate of Arkansas may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Box 1B19, Little Rock, Arkansas, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for January 1957.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

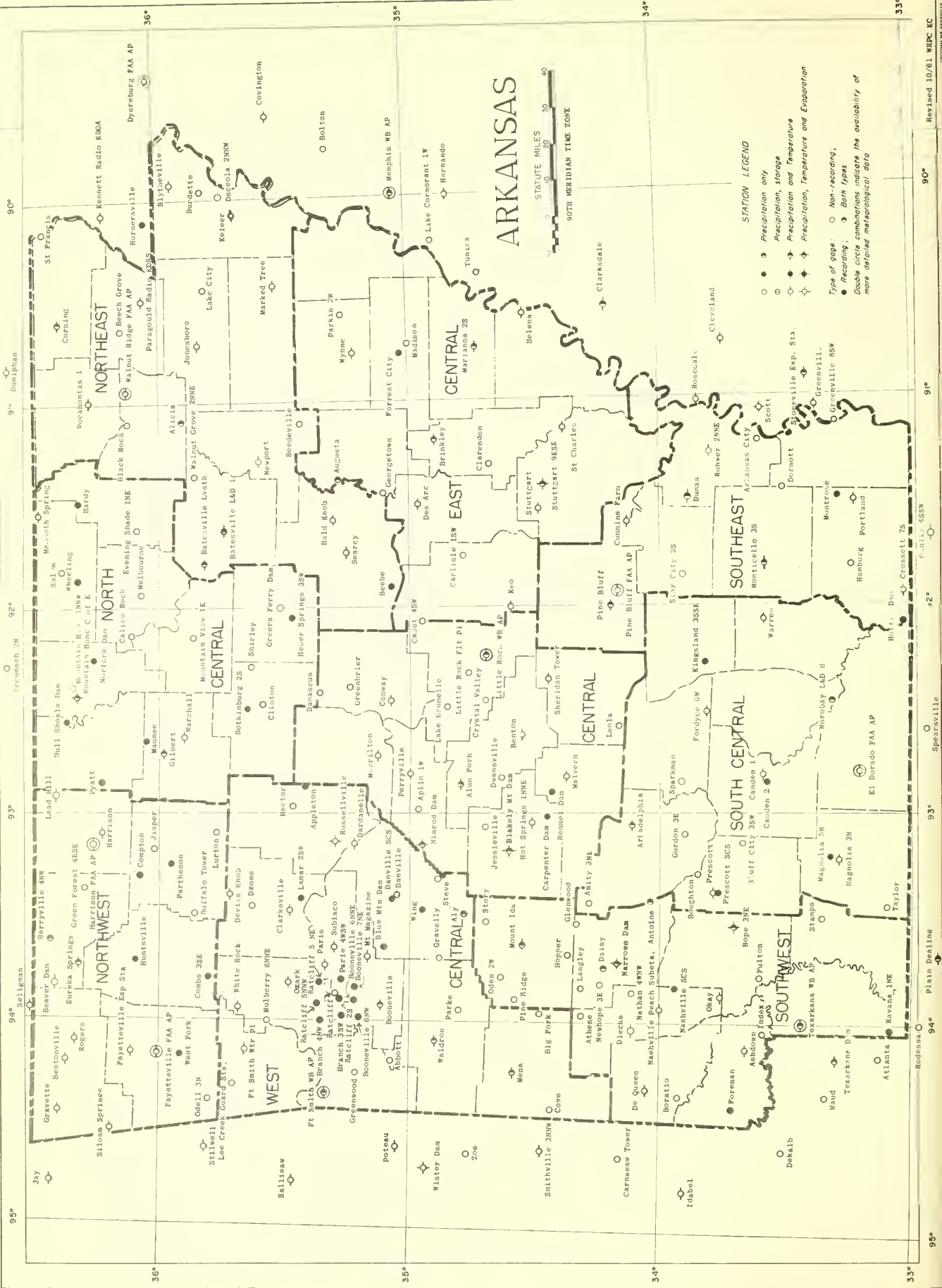
- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry. Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- \* Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 45 cents. Similar information for regular Weather Bureau stations may be found in the 1961 annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-ASHEVILLE---6-12-63---875



**STATION LEGEND**

- Precipitation only
- Precipitation, storage
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation

Type of gauge: ○ Non-recording;  
 ● Recording; ○ Both types

Double circle combinations indicate the availability of more detailed meteorological data

ARKANSAS

STATUTE MILES  
 0 10 20 30 40

90TH MERIDIAN TIME ZONE

95° 94° 93° 92° 91° 90°  
 36° 35° 34° 33°

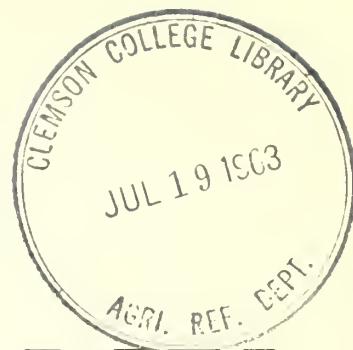
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 Cumseh 2N  
 Seligman  
 Berryville 4W  
 Harrison FFA AP  
 Harrison  
 Compton  
 Jasper  
 Parthenon  
 Buffalo Tower  
 Lurton  
 Devils Knob  
 Dzone  
 White Rock  
 Mulberry 6NE  
 Clarksville  
 Ozark  
 Ratcliff SNN  
 Ratcliff SNG  
 Ratcliff SNG  
 Branch 4W  
 Branch 4W  
 Branch 3SW  
 Paris  
 Paris  
 Booneville 6NE  
 Booneville 7NE  
 Booneville 6W  
 Mt. Magazine  
 Blue Mts Dam  
 Danville  
 Danville  
 Wink  
 Gravelly Stove  
 Waldon  
 Parke  
 Walton  
 Zook  
 Smithville 3NW  
 Cove  
 Carnaeas Tower  
 Igaobel  
 De Kalb  
 Maud  
 Texarkana D's  
 Atlanta  
 Ravanna 1NE  
 Taylor  
 Magnolia 3N  
 Magnolia 3N  
 Stamps  
 Sparkman WB AP  
 Sparkman  
 Broughton  
 Prescott SCS  
 3'uff City 3SW  
 Camden 1  
 Camden 2  
 Clenden 2  
 El Dorado FFA AP  
 Sparsville  
 Sparsville  
 45SW  
 Dhu  
 Crossett 7S  
 Portland  
 Hamburg  
 Montrie  
 Greenvale  
 Greenvale 8SW  
 Stoneville Exp. Sta.  
 Scott  
 Arkansas City  
 Dumas  
 Rosedale  
 Cleveland  
 St Charles  
 St Charles  
 Stuttgart 9SE  
 Stuttgart 9SE  
 Clarendon  
 Brinkley  
 Marianna 2S  
 Helena  
 Tunica  
 Madison  
 Forrest City  
 Augustus  
 Parkin 2W  
 Wynne  
 Bolton  
 Memphis WB AP  
 Like Concorant 1W  
 Hernando  
 Clarkdale  
 Dyerburg FFA AP  
 Horroville  
 Bluffville  
 Burdette  
 Decoila 2NN  
 Kesner  
 Jonesboro  
 Lake City  
 Walnut Grove 2NE  
 Alicaia  
 Bateville Lvsk  
 Batesville LAD 1  
 Newport  
 Marked Tree  
 Covington  
 Kennett Radio K80A  
 Beech Grove  
 Walnut Ridge FFA AP  
 Paragould Radio K05S  
 Horroville  
 St Francis  
 Conling  
 Pocantans 1  
 Hardy  
 Wheeling  
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 Mountain Home C 97  
 Mountain Home C 98  
 Mountain Home C 99  
 Mountain Home C 100

U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief



# CLIMATOLOGICAL DATA

## ARKANSAS

MAY 1963

Volume 68 No. 5





# CLIMATOLOGICAL DATA

ARKANSAS  
MAY 1963

CONTINUED

Station	Temperature										Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
										90° or Above		37° or Below						Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
										Max.	Min.	37° or Below	37° or Below										
<b>SOUTHWEST</b>																							
ASHDOWN	84.5	58.9	71.7		90	14	42	2	23	1	0	0	0	1.83		.97	22	.0	0		3	2	0
DE QUEEN	83.8	60.6	72.2		91	27+	43	23	24	3	0	0	0	1.35		.62	6	.0	0		3	1	0
DIERKS	84.4	57.5	71.0		93	27	40	23	27	3	0	0	0	.71		.37	28	.0	0		2	2	0
HOPE 3 NE	83.9	60.2	72.1	1.4	90	11	41	2	28	1	0	0	0	2.09	- 3.07	1.15	28	.0	0		2	2	0
MOUNT IDA	81.8	56.7	69.3	1.3	90	11	35	1	48	1	0	0	0	3.83	- 2.30	1.83	27	.0	0		4	2	0
NARROWS DAM	83.5	56.5	70.0		90	30+	39	2	35	2	0	0	0	1.22		.80	28	.0	0		3	2	0
NASHVILLE PEACH SUBSTA	81.4	58.2	69.8		88	28+	41	1	44	0	0	0	0	2.95		1.27	22	.0	0		1	0	0
OKAY	85.0	61.5	73.3	1.7	91	17	44	2	21	2	0	0	0	3.45	- 1.82	1.82	28	.0	0		3	2	0
STAMPS	85.5M	60.9M	73.2M		92	27+	42	1	19	5	0	0	0	1.28		.75	23	.0	0		3	2	0
TEXARKANA WB AIRPORT	//R 83.8	62.7	73.3	1.7	91	27	46	1	23	2	0	0	0	4.60	- .30	3.13	22	.0	0		2	2	2
DIVISION			71.6	1.5											2.33	- 3.57							
<b>SOUTH CENTRAL</b>																							
ARKADELPHIA	83.3	60.5	71.9		90	13+	45	23+	21	2	0	0	0	1.75	- 3.49	.82	26	.0	0		4	1	0
CAMDEN 1	86.0	60.7	73.4	1.8	92	14	44	2+	17	6	0	0	0	1.38	- 3.08	.79	23	.0	0		3	1	0
EL DORADO FAA AIRPORT	84.4	61.1	72.8	0.6	90	25+	44	1	23	3	0	0	0	.52	- 4.03	.26	22	.0	0		2	0	0
FORDYCE 6 W	86.6	59.3	73.0		92	15	41	2	21	9	0	0	0	1.66		.86	22	.0	0		3	2	0
MAGNOLIA 3 N	84.0	59.2	71.6	- 0.5	90	26+	43	1	24	2	0	0	0	.98	- 3.83	.59	23	.0	0		2	1	0
MOROBAY LOCK AND DAM 8	83.5	59.2	71.4		90	26+	41	2	28	3	0	0	0	1.25		.68	6	.0	0		3	1	0
PRESCOTT	80.8	60.3	70.6	- 1.3	89	11	38	23+	41	0	0	0	0	3.39	- 1.70	2.40	28	.0	0		3	2	1
WARREN	84.8	60.0	72.4	0.2	92	11	41	2	22	3	0	0	0	1.73		.79	27	.0	0		3	2	0
DIVISION			72.1	0.7											1.58	- 3.39							
<b>SOUTHEAST</b>																							
CROSSETT 7 S	84.7	60.5	72.6	1.4	93	15	42	2	20	5	0	0	0	.63	- 3.75	.22	28	.0	0		4	0	0
CUMMINS FARM	83.5	59.6	71.6		90	16+	41	1	26	2	0	0	0	1.94		.60	28	.0	0		4	3	0
DUMAS	85.2M	60.3M	72.8M	0.9	91	11	41	1	22	6	0	0	0	3.05	- 1.50	1.40	6	.0	0		4	3	1
EUDORA	M 61.9	M 61.9	M 71.9		91	11	45	1	24	4	0	0	0	1.65		.68	28	.0	0		4	2	0
MONTECELLO 3 S	84.1	59.2	71.7		91	11	40	2	24	4	0	0	0	3.93		1.90	27	.0	0		4	3	1
PINE BLUFF	83.5	62.0	72.8	0.8	91	12	43	2	21	1	0	0	0	2.02	- 3.26	1.15	27	.0	0		4	1	1
PINE BLUFF FAA AIRPORT	84.1	62.7	73.4		93	11	44	1	23	6	0	0	0	3.51		1.44	28	.0	0		5	4	1
PORTLAND	83.6	60.1	71.9	0.3	90	26+	45	2+	23	5	0	0	0	1.13	- 2.79	.83	28	.0	0		2	1	0
ROHWER 2 NNE	84.8	59.7	72.3		92	15	42	2	23	5	0	0	0	1.67		.65	28	.0	0		4	2	0
DIVISION			72.4	0.9											2.17	- 2.54							

### TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 95° on the 20th at Marked Tree, and on the 11th at Fort Smith Water Plant

Lowest Temperature: 27° on the 1st at Gravette

Greatest Total Precipitation: 8.36 inches at Melbourne and Salem

Least Total Precipitation: 0.31 inch at Athens

Greatest One-Day Precipitation: 4.92 inches on the 26th at Melbourne









DAILY TEMPERATURES

ARKANSAS  
MAY 1963

Table with columns: Station, Day Of Month (1-31), and Average. Rows include stations like HELENA, HOPE 3 NE, HOT SPRINGS 1 NNE, JONESBORO, KEISER, KEO, LEAO HILL, LEOLA, LITTLE ROCK W8 AIRPORT, MAGNOLIA 3 N, MALVERN, MAMMOTH SPRING, MARIANNA 2 S, MARKEO TREE, MARSHALL, MENA, MONTICELLO 3 S, MOROBAY LOCK AND OAM 8, MORRILTON, MOUNT 10A, MOUNTAIN HOME 1 NNW, MOUNTAIN HOME C OF ENG, MOUNTAIN VIEW 2 ESE, NARROWS OAM, NASHVILLE PEACH SUBSTA, NEWPORT, NIMROD OAM, OKAY, OZARK, PARAGOULO RAPIO KORS, PARIS, PERRYVILLE, PINE BLUFF, PINE BLUFF FAA AIRPORT, POCAHONTAS 1, PORTLAND, PRESCOTT, ROGERS, and ROMWER 2 NNE.





REFERENCE NOTES

Additional information regarding the climate of Arkansas may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for January 1957.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

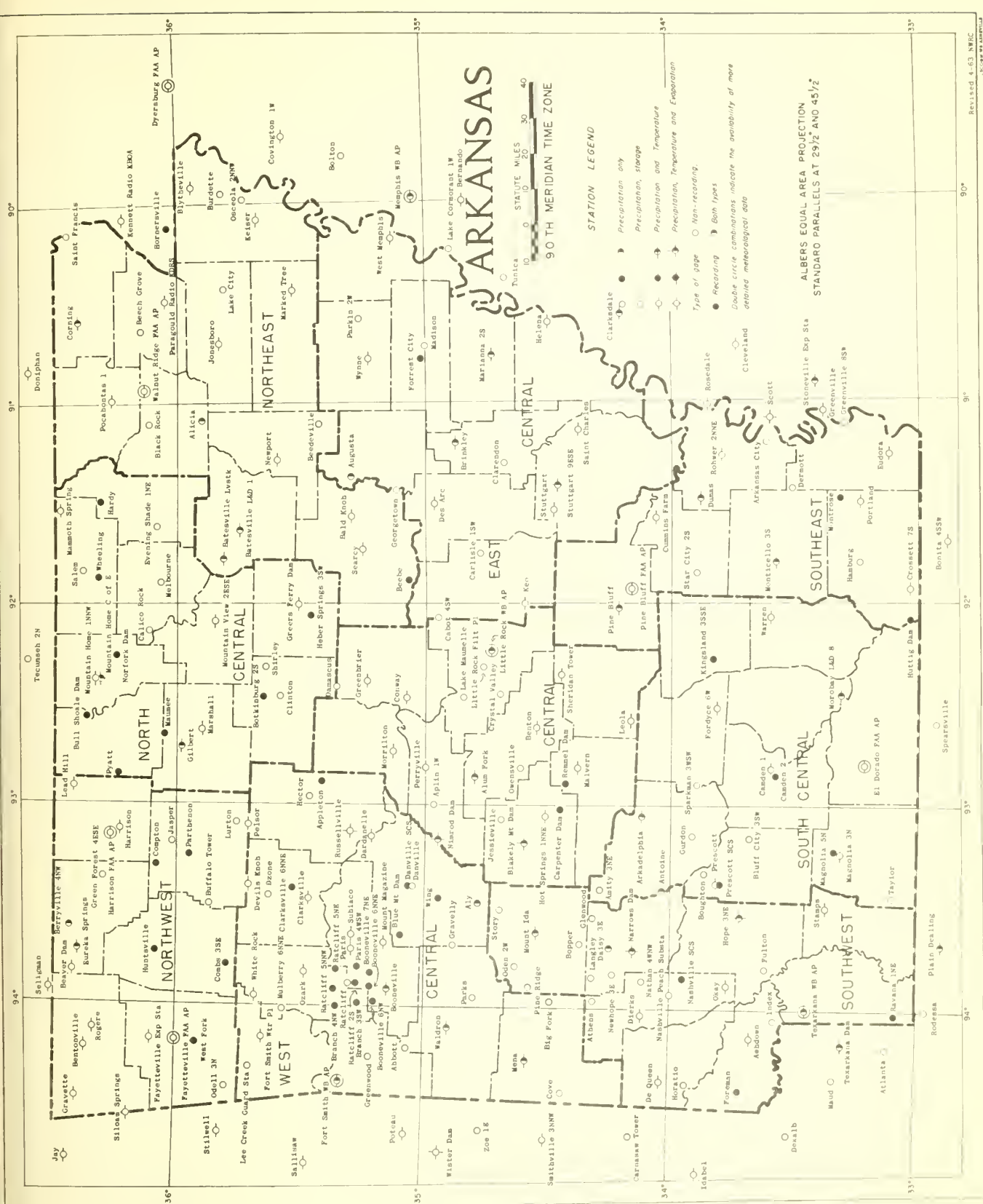
- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- \* Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 45 cents. Similar information for regular Weather Bureau stations may be found in the 1961 annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-ASHEVILLE---7-12-63---875



# ARKANSAS

90 TH MERIDIAN TIME ZONE

STATUTE MILES  
0 10 20 30 40

### STATION LEGEND

- Precipitation only
  - Precipitation, storage
  - Precipitation and Temperature
  - Precipitation, Temperature and Evaporation
  - Type of gauge
  - Non-recording
  - Recording
  - Both types
- Double circle combinations indicate the availability of more detailed meteorological data

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29 1/2 AND 45 1/2

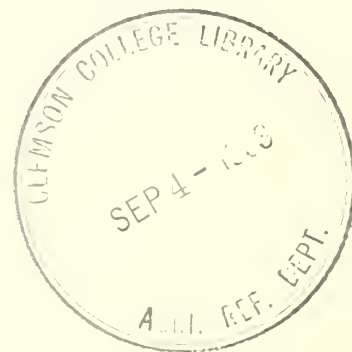


U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

# CLIMATOLOGICAL DATA

ARKANSAS

JUNE 1963  
Volume 68 No. 6



CLIMATOLOGICAL DATA

ARKANSAS  
JUNE 19E

Table with columns for Station, Temperature (Average Maximum, Average Minimum, Average, Departure From Normal, Highest, Date, Lowest, Date, Degree Days), and Precipitation (Total, Departure From Normal, Greatest Day, Date, Snow/Sleet, No. of Days). Rows include Northwest, North Central, Northeast, West Central, Central, and East Central divisions.

See Reference Notes Following Station Index



# CLIMATOLOGICAL DATA

ARKANSAS  
JUNE 1963

CONTINUED

Station	Temperature											Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest Date	Lowest Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days				
								Max.		Min.						Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More		
								10° or Above Normal	32° or Below	32° or Below	0° or Below												
SOUTHWEST																							
ADAMSON	91.8	66.3	79.1		99	14+	56	1	0	21	0	0	0	3.84		2.04	20	.0	0		4	4	1
ADAMSON	92.0M	68.0M	80.0M		98	14+	59	1	0	19	0	0	0	5.15		1.51	17	.0	0				
ADAMSON	92.7	65.5	79.1		100	11	55	1	0	23	0	0	0	4.34		1.40	13	.0	0				
ADAMSON	91.0	67.8	79.4	0.6	100	14	58	1	0	22	0	0	0	3.69	-.07	1.80	20	.0	0				
ADAMSON	90.4	64.1	77.3	0.9	97	13	56	1	0	17	0	0	0	4.30	.55	2.71	17	.0	0				
ADAMSON	91.4	63.1	77.3		99	12	50	19	0	20	0	0	0	2.02		.82	13	.0	0				
ADAMSON	89.7	65.4	77.6		97	12	60	1	0	13	0	0	0	2.22		.61	19	.0	0				
ADAMSON	92.2	68.9	80.6	1.3	99	14+	58	1	0	22	0	0	0	3.87	.19	1.47	19	.0	0				
ADAMSON	92.5	67.3	79.9		99	15+	56	1	0	23	0	0	0	4.79		2.97	20	.0	0				
ADAMSON	91.5	70.9	81.2	1.8	98	13	61	1	0	23	0	0	0	5.00	1.11	1.95	20	.0	0				
DIVISION																							
			79.2	1.1										3.92	.22			.0					
SOUTH CENTRAL																							
ADAMSON	90.4	68.0	79.2		96	30+	61	1	0	19	0	0	0	2.86	-1.10	.95	16	.0	0				
ADAMSON	92.1	68.5	80.3	0.9	99	15	59	1	0	22	0	0	0	3.29	-.07	.95	17	.0	0				
ADAMSON	92.4	68.0	80.2	0.2	101	9	57	1	0	20	0	0	0	3.04	-.09	1.44	20	.0	0				
ADAMSON	93.7	66.3	80.0		100	15+	59	3+	0	24	0	0	0	2.96		1.00	16	.0	0				
ADAMSON	91.0	65.9	78.5	-1.1	99	12	55	1	0	19	0	0	0	4.50	1.21	2.17	20	.0	0				
ADAMSON	91.7	66.8	79.3		99	16+	57	1	0	20	0	0	0	3.00		1.44	17	.0	0				
ADAMSON	91.0	66.9	79.0	-0.8	100	15	61	17+	0	19	0	0	0	2.68	-1.21	1.76	20	.0	0				
ADAMSON	92.2	67.8	80.0	0.1	101	11	60	1	0	20	0	0	0	2.31		1.18	17	.0	0				
DIVISION																							
			79.6	0.4										3.08	-.48			.0					
SOUTHEAST																							
ADAMSON	91.8	67.5	79.7	1.0	100	15+	60	3	0	23	0	0	0	6.42	2.99	2.25	20	.0	0				
ADAMSON	91.1	66.6	78.9		99	15+	60	3	0	16	0	0	0	2.83		1.24	21	.0	0				
ADAMSON	92.6	67.1	79.9	-0.2	100	14	60	3	0	24	0	0	0	5.32	2.06	2.38	21	.0	0				
ADAMSON	92.8	68.7	80.8		101	15+	65	21+	0	22	0	0	0	2.75		1.21	16	.0	0				
ADAMSON	90.9	66.9	78.9		99	15+	59	3	0	17	0	0	0	3.08		1.60	19	.0	0				
ADAMSON	91.6	68.0	79.8	-0.1	98	14	56	24	0	21	0	0	0	1.10	-2.28	.75	17	.0	0				
ADAMSON	91.6	69.9	80.8		100	14	65	3+	0	18	0	0	0	3.01		1.09	19	.0	0				
ADAMSON	90.1	67.3	78.7	-0.4	100	15+	58	1	0	14	0	0	0	3.58	.19	2.05	22	.0	0				
ADAMSON	91.1	67.1	79.1		101	14	62	4+	0	16	0	0	0	2.81		1.42	21	.0	0				
DIVISION																							
			79.6	0.3										3.43	.08			.0					

## TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 103° on the 14th at Nimrod Dam

Lowest Temperature: 50° on the 19th at Narrows Dam

Greatest Total Precipitation: 6.54 inches at Salem

Least Total Precipitation: 0.71 inch at Natural Dam

Greatest One-Day Precipitation: 3.36 inches on the 20th at Salem

DAILY PRECIPITATION

ARKANSAS  
JUNE 196

Table with columns: Station, Total, Day of Month (1-31). Rows list various stations such as ABBOTT, ALICIA, ALUM FORK, etc., with their corresponding precipitation totals and daily amounts.

See reference notes following Station Index.

# DAILY PRECIPITATION

ARKANSAS  
JUNE 1963

Continued

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WAINVIEW 2 ESE	3.43										1.38				.53	1.33	.19																
BERRY 6 NNE	1.86														.27	.10	.19																
ROKS DAM	2.02														.08	.59	.17	.27	.11	T													
HVILPEACH SUBSTA	2.22														.10	.49	.61	.50	T	T													
HAN 4 NNW	2.55														.16	1.25	.12	.35								.04							
URAL OAM	.71															.60	.11																
HOPE 3 E	3.56										1.04				.32																		
PORT	3.11										.07	.41	.85																				
ROD DAM	1.95									.46	.01	.04	.26	.08																			
LL 3 N	1.15																																
H 2 W	4.70				.07								.83	.03	.50	1.17																	
Y	3.87												.10			.44	.18																
EOLA 2 NNW	4.54															3.20	.02																
NSVILLE	2.66																																
RK	2.42																																
NE	1.08																																
AGOULD RADID KORS	2.01										.15	.08	.06	.39	1.10																		
IS	2.84																																
KIN 2 W	1.97																																
KS	2.90														.45	.80	.30	.62	.25	T													
RYVILLE	2.01																																
E BLUFF	1.10															.20	1.30	.75		T													
E BLUFF FAA AIRPORT	3.01																																
E RIDGE	4.02																																
AMONTAS 1	-																																
TLANO	3.58																.70	.81															
SCOTT	2.68																																
CLIFF	3.03																																
ERS	1.11	T	T																														
WER 2 NNE	2.81															.02	.56	.30	T														
SELLVILLE	2.44																																
NT CHARLES	2.30																																
NT FRANCIS	3.35																																
EM	6.54																																
RCY	4.74																																
RIOAN TOWER	3.20																																
RLEY	3.24																																
DAN SPRINGS	.99				.03																												
REMAN 3 WSW	1.27																																
MPS	4.79																																
RT	2.85																																
TTGART	2.09																																
TTGART 9 ESE	1.92																																
JACO	2.95																																
LOR	4.50																																
ARKANA WB AIRPORT //R	5.00																																
DRON	3.53																																
NUT RIDGE FAA AP	4.28	.06																															
REN	2.35																																
T MEMPHIS	3.65																																
TE ROCK	3.00																																

## SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	MIDNIGHT CST	6:00 AM CST	NOON CST	6:00 PM CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total		
T SMITH WB AIRPORT	ENE	19	6.6	38	W	10	80	89	56	55	4	2	1	0	1	1	9	66	5.4
TELE ROCK WB AIRPORT	ENE	13	7.0	31	N	11	81	87	48	51	4	4	1	1	0	0	10	81	4.5
ARKANA WB AIRPORT	S	13	7.3	-	-	-	84	90	60	57	2	1	0	0	3	0	6	-	-

See reference notes following Station index.







# CLIMATOLOGICAL DATA

ARKANSAS  
DELAYED DATA

Station	Temperature										Precipitation										
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest Date	Lowest Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day Date	Snow, Sleet			No. of Days			
								Max.		Min.					Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More	
								37° or Above	37° or Below	32° or Below	32° or Below										0° or Below
JANUARY 1963																					
PINE BLUFF FAA AIRPORT	47.6	25.9	36.8		76 10	6 24	870	0	6	22	0	1.09		.35	5	T	T	24+	5	0	0
WYNNE	43.9	21.5	32.7		68 10	- 3 24	992	0	7	26	1	1.45		.50	6	.8	0		5	1	0
APRIL 1963																					
MOUNT MAGAZINE	73.3	55.2	64.3		83 15	32 1	95	0	0	1	0	3.80		1.42	27	.0	0		4	4	2

## DAILY PRECIPITATION

Station	Total	Day of Month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
JANUARY 1963																																		
PINE BLUFF FAA AIRPORT	1.09				.10	.35	T													.15	T		T	.19		T	T			.27	.02	T	.	
WYNNE	1.45				.05	.20	.50	T				.10	.30							T			.30											.
FEBRUARY 1963																																		
BLACK ROCK	-		T								T	.72																						.
MARCH 1963																																		
RATCLIFF	1.65	.22			.37							.51				.37	.18															T	.	
APRIL 1963																																		
MOUNT MAGAZINE	3.80	T				.70												.58									1.10	1.42					.	

# DAILY TEMPERATURES

ARKANSAS  
DELAYED DATA

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
JANUARY 1963																																	
PINE BLUFF FAA AIRPORT	MAX	60	62	64	56	53	48	54	65	66	76	57	32	29	39	43	46	57	62	49	34	46	60	56	26	31	30	24	33	36	40	41	
	MIN	30	38	35	41	47	39	30	32	41	56	32	17	11	10	15	18	23	36	24	16	19	28	9	6	14	22	11	11	28	34	30	
WYNNE	MAX	52	50	62	57	44	44	45	58	65	68	67	50	22	37	42	49	50	51	51	32	34	48	49	22	26	27	29	23	38	35	34	
	MIN	25	35	29	33	32	32	32	23	37	52	44	15	3	10	18	22	20	30	23	9	14	28	1	-3	7	24	5	4	15	28	20	
APRIL 1963																																	
MOUNT MAGAZINE	MAX	58	62	74	78	80	76	77	79	78	80	80	79	81	82	83	78	70	78	69	71	78	67	54	57	65	70	71	75	74	75		
	MIN	32	41	51	58	60	54	59	62	61	60	65	65	65	64	62	64	56	58	54	50	49	43	40	48	52	56	54	59	58	57		

# EVAPORATION AND WIND

Station		Day of month																															Total for Avg
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
JANUARY 1963																																	
WARREN	EVAP	-	.07	.09	-	.02	.11	-	.15	.05	.11	.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	WIND	-	11	7	18	31	13	14	38	25	75	79	38	43	20	13	12	20	22	21	20	14	69	70	35	28	50	23	33	39	15	20	
	MIN	54	56	62	67	68	51	55	53	64	63	71	-	-	-	-	-	-	54	60	-	-	57	54	-	-	-	-	-	-	-		
FEBRUARY 1963																																	
WARREN	EVAP	-	-	*	*	*	.19	.13	.02	.01	.16	.05	*	*	*	*	*	.77	-	.12	.03	*	*	.41	-	.25	*	.21	-	-	-		
	WIND	31	77	44	17	14	13	42	34	40	21	39	44	63	97	24	60	21	10	24	43	71	50	33	36	32	71	49	114	-			
	MIN	-	67	-	-	-	67	71	48	47	57	50	-	-	-	-	-	-	66	51	68	70	-	-	47	71	71	-	70	-	-		
MARCH 1963																																	
WARREN	EVAP	*	.88	.30	.12	.06	.14	.13	.28	*	.12	.21	.16	.16	.32	.08	.07	.10	.12	.05	.36	.19	.27	.12	.15	.19	.13	.19	.21	.23	.28	.21	
	WIND	64	33	58	47	119	67	34	10	69	26	102	50	59	47	52	48	80	69	45	63	28	26	19	60	56	61	22	40	57	44		
	MIN	67	61	79	79	81	60	62	68	71	73	75	85	86	85	75	57	70	88	85	87	80	77	73	81	79	83	86	85	92	91	92	
APRIL 1963																																	
WARREN	EVAP	.23	-	.28	.06	.31	-	-.07	.26	.13	.11	.13	.02	.18	.15	.28	.22	.29	.23	.09	.24	.08	.19	.13	.11	.07	.05	-	-	.22	-		
	WIND	29	41	61	62	30	22	13	13	64	14	0	-	-	-	66	100	80	82	47	32	45	51	13	26	18	21	18	30	38	-		
	MIN	94	94	87	85	78	59	53	80	84	87	71	70	85	88	88	84	83	87	87	74	92	82	88	77	73	70	78	-	83	87		

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.

# SNOWFALL AND SNOW ON GROUND

Station		Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
JANUARY 1963																																
PINE BLUFF FAA AP	SNOWFALL																															
	SN ON GNO													T									T			T		T				
TEXARKANA WB AP	SNOWFALL																															
	SN ON GNO													T											T		.2					

See reference notes following Station Index.





REFERENCE NOTES

Additional information regarding the climate of Arkansas may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Box 1B19, Little Rock, Arkansas, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for January 1957.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- \* Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

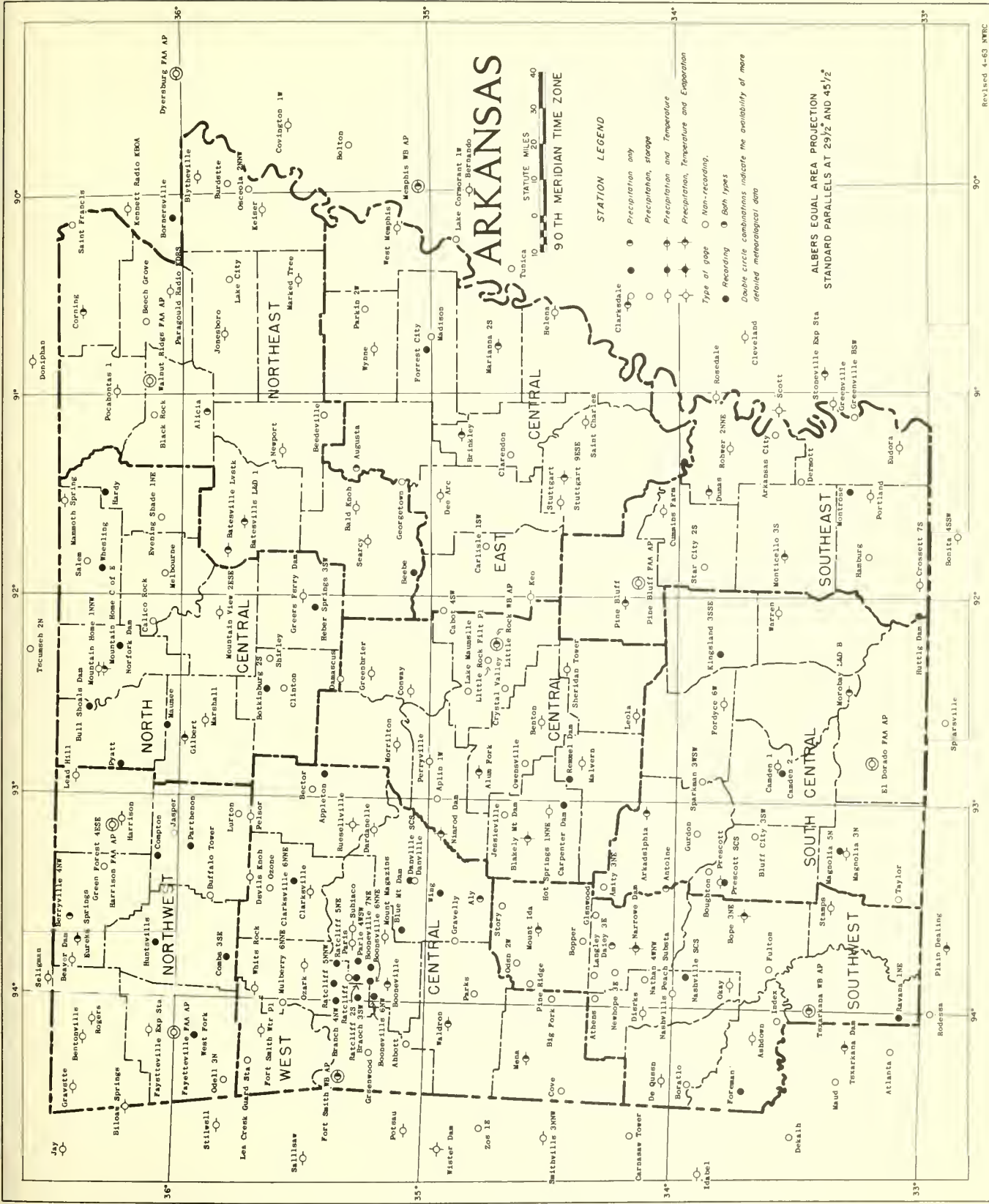
General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 45 cents. Similar information for regular Weather Bureau stations may be found in the 1961 annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

CORRECTIONS

August 1960	Station Index	Pine Bluff FAA	Beginning August 24, 1960 the elevation should be 204 feet.
January 1963	Climatological Data Table	Arkadelphia	Correct Precipitation Total to 1.40 inches.
January 1963	Daily Precipitation Table	Arkadelphia	Correct as follows: 0.00 amount on 31st; Total 1.40 inches.



# ARKANSAS

90 TH MERIDIAN TIME ZONE

STATUTE MILES  
0 10 20 30 40

### STATION LEGEND

- Precipitation only
  - Precipitation, storage
  - Precipitation and Temperature
  - Precipitation, Temperature and Evaporation
  - Non-recording.
  - Recording
  - Both types
  - Double circle combinations indicate the availability of more detailed meteorological data
- Type of gage ○ Non-recording.

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29 1/2° AND 45 1/2°







U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

ROBERT M. WHITE, Chief

# CLIMATOLOGICAL DATA

## ARKANSAS

JULY 1963

Volume 68 No. 7



TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 108° on the 23d at Siloam Springs, and on the 22d at Waldron

Lowest Temperature: 47° on the 10th at Gilbert

Greatest Total Precipitation: 16.32 inches at Blakely Mountain Dam

Least Total Precipitation: 0.53 inch at Bentonville

Greatest One-Day Precipitation: 8.35 inches on the 16th at Hot Springs 1 NNE

SPECIAL WEATHER SUMMARY

Flash-flooding occurred at Hot Springs the morning of July 16, 1963. This was the worst flash-flood since May 14, 1923. Excessive rainfall over the lakes in the area caused large releases from Rammel Dam at Lake Catherine which brought about a sharp rise on the Ouachita River at Malvern during the early morning hours, followed by flooding at Arkadelphia the next day, July 17. One child drowned on July 17 as a result of high water in streams.

Eight to 10 inches of rain fell over Hot Springs during a short period of time. The National Park Service reported 8.35 inches for a total fall between the hours of 1:45 a. m. and 10:30 a. m. The U. S. Geological Survey investigated the rainfall distribution, reporting that the City Water Department northwest of Hot Springs measur-

ed 9.98 inches of rain. Also Blakely Mountain Dam on Lake Ouachita reported 8.77 inches with 6 inches falling between 6:00 a. m. and 8:00 a. m. on the morning of the 16th.

Damage to Hot Springs proper amounted to one million dollars. Garland County suffered an additional one million dollars property damage to sewers, bridges, and roads.

R. O. Reinhold  
Weather Bureau Meteorologist in Charge  
Weather Bureau Airport Station  
Little Rock, Arkansas





# CLIMATOLOGICAL DATA

ARKANSAS  
JULY 1963

CONTINUED

Station	Temperature										Precipitation															
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days			Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days						
										60° or Above	32° or Below	32° or Below					Total	Departure From Normal	Greatest Day	Date	Total	Max. Depth on Ground	Date	1.0 or More	.50 or More	1.00 or More
OE QUEEN	92.1	69.8	81.0		100	22+	61	3	0	21	0	0	0	3.53		1.00	9	.0	0		8	3	1			
QIERKS	92.5	68.7M	80.6M		101	22			0	23	0	0	0	5.15		1.64	25	.0	0		10	4	1			
HOPE 3 NE	91.5	69.8	80.7	- 1.3	98	22+	62	10	0	24	0	0	0	7.27	3.18	2.55	26	.0	0		6	4	3			
MOUNT 10A	92.0	67.3	79.7	- 0.5	102	22	57	10	0	20	0	0	0	3.69	.75	1.37	23	.0	0		7	3	1			
NARROWS DAM	92.0	66.6	79.3		105	23	58	10	0	21	0	0	0	5.28		.98	23	.0	0		9	5	0			
NASHVILLE PEACH SUBSTA	90.5	67.7	79.1		101	23	63	10	0	19	0	0	0	4.21		1.23	25	.0	0		6	3	2			
OKAY	93.4	70.9	82.2	- 0.4	99	22+	65	19+	0	25	0	0	0	3.32	.62	.97	15	.0	0		6	3	0			
STAMPS	92.8	69.7	81.3		99	22+	65	10+	0	23	0	0	0	7.86		3.38	15	.0	0		4	3	3			
TEXARKANA WB AIRPORT	92.0	72.5	82.3	- 0.3	99	22+	68	10+	0	22	0	0	0	4.52	.68	2.14	14	.0	0		6	2	2			
DIVISION			80.8	- 0.7										4.85	.83			.0								
SOUTH CENTRAL																										
ARKADELPHIA	90.4	70.1	80.3		99	4	62	11+	0	18	0	0	0	5.29	1.44	2.10	14	.0	0		7	4	2			
CAMDEN 1	93.5	70.7	82.1	- 0.3	101	22	60	11	0	27	0	0	0	3.27	- 1.09	1.37	28	.0	0		4	2	2			
EL DORADO FAA AIRPORT	90.9	70.4	80.7	- 2.0	99	4	62	11+	0	22	0	0	0	7.56	3.38	3.48	15	.0	0		8	2	2			
FORYOCE 6 W	93.3	68.8	81.1		102	4	57	11	0	24	0	0	0	10.17		3.00	16	.0	0		11	6	4			
MAGNOLIA 3 N	90.6	68.1	79.4	- 3.1	95	22+	60	10	0	19	0	0	0	4.75	.67	2.54	15	.0	0		4	2	2			
MOROBAY LOCK AND DAM 8	91.4	69.5	80.5		100	23+	58	11	0	20	0	0	0	5.78		2.23	15	.0	0		10	4	1			
PRESCOTT	93.6M	69.3M	81.5M	- 1.6	103	23+	61	12+	0	26	0	0	0	3.77	.59	1.60	27	.0	0		7	3	1			
SPARKMAN 3 WSW	92.4	65.9	79.2		101	4	54	11+	0	22	0	0	0	6.04		1.65	27	.0	0		8	5	1			
WARREN	92.2	69.4	80.8	- 2.0	103	4	55	11	0	20	0	0	0	8.06		1.52	27	.0	0		15	7	2			
DIVISION			80.6	- 1.8										6.08	2.09			.0								
SOUTHEAST																										
CROSSETT 7 S	91.8	70.2	81.0	- 0.3	99	22	59	11	0	21	0	0	0	6.69	1.61	1.75	26	.0	0		9	5	3			
CUMMINS FARM	89.3	68.2	78.8		97	4	56	11+	0	16	0	0	0	6.39		1.95	14	.0	0		12	4	1			
OUMAS	91.3	68.9	80.1	- 2.9	99	4	55	11	0	20	0	0	0	9.59	4.80	2.36	28	.0	0		13	4	4			
EUOORA	92.3	69.6	81.0		99	4	60	11+	0	23	0	0	0	4.73		2.10	8	.0	0		8	2	1			
MONTECELLO 3 S	90.5	69.4	80.0		97	4	58	11	0	18	0	0	0	10.54		1.45	28	.0	0		15	9	3			
PINE BLUFF	92.0	71.2M	81.6M	- 1.5	101	4	60	10	0	19	0	0	0	3.70	.14	.93	28	.0	0		6	3	0			
PINE BLUFF FAA AIRPORT	90.5	71.3	80.9		99	5+	60	10	0	16	0	0	0	6.72		1.64	26	.0	0		10	5	2			
PORTLAND	88.2	68.8	78.5	- 3.2	97	5	61	12+	0	14	0	0	0	5.98	1.96	1.60	9	.0	0		12	4	1			
ROHWER 2 NNE	89.5	69.5	79.5		97	4	55	11	0	17	0	0	0	11.76		2.37	16	.0	0		14	6	5			
DIVISION			80.2	- 1.8										7.34	3.01			.0								

## SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m p h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	MIDNIGHT CST	6:00 AM CST	NOON CST	6:00 PM CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total		
FORT SMITH WB AIRPORT	ENE	15	6.2	36	SW	6	82	90	61	56	1	3	3	1	1	1	10	67	5.5
LITTLE ROCK WB AIRPORT	WSW	17	6.8	42	W	22	86	88	61	62	6	3	5	1	2	0	17	64	6.3
TEXARKANA WB AIRPORT	SSW	15	7.8	-	-	-	85	91	63	65	6	1	4	0	1	1	13	-	-

See Reference Notes Following Station Index



# DAILY PRECIPITATION

ARKANSAS  
JULY 1963

Continued

Station	Total	Day of Month																																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
NATHAN 4 WNW	3.60				.15			T	.25			T	.65	.15	.35							T		.20		1.05		.74	.45		.25	.10	.				
NATURAL DAM	4.39						.18	.04				.08		.76	.44									1.60	.57		.54			2.37		.	.				
NEHOPE 3 E	3.61																												.39	.27		.	.				
NEWPORT	3.10				.35	T		.27	.40			T	.19	.12	.85	1.40	.70					.03	.43	.38	T		.06	.05	.14	T	.	.					
NIMROO DAM	6.40					.13								.12	.85	1.40	.70						.08	T		T	.06	.05	.40	.60	1.40	.	.				
OEELL 3 N	3.75							.10																		.77		.52		2.36		.	.				
OEN 2 W	3.65		.01				.20	.04	.33					.20	1.01									.54				.21	.99	.11	.01	.	.				
OKAY	3.32						.33				T		.06	.04	.67	.97										.44	T	.65	.10	.06	T	.	.				
OSCEOLA 2 NWW	1.57													.12																			T	.			
OWENSVILLE	8.11		.86	.02		.30		.76	T				1.00	2.01	.47	.69	.05	.82					T	T	.66	T		.32	.30	T	.69	.28	.	.			
OZARK	2.47						.12	.02	1.11				T	.07													.17	T		.92	.06	.	.				
OZONE	1.32																										.52		.80		.	.	.				
PARAGOULO RADIO KORS	2.13					.12							.73											.01	.24			.71	.02	.30		.	.				
PARIS	4.45		.40		.10		.06		.15				T	.04	.55		.06							.07	.	.	.05	.64	.10	1.55	.68		2.12	.			
PARKIN 2 W	3.23				.35			T						.76																				.			
PARKS	2.46						.48		.49					.88															.49	.12	.	.	.	.			
PERRYVILLE	4.31						.26							.15	.55									.10		.65		.01	T	T	1.14		1.45	.			
PINE BLUFF	3.70												T	.46	.68		.07	T							.48		.41	.84	.93	.03	.	.	.	.			
PINE BLUFF FAA AIRPORT	6.72						.99	.57				1.14	.05	.89	.28	.18								.36	.94	.24	.04	1.64	.23	.05	T	.06	.	.			
POCAHONTAS 1	4.08				.04	.42		.07					1.98														T	T	.25	.05	.25	.08	.	.			
PORTLAND	5.98								T	1.60			.12	T	.30	.20							.93		.58	.42	.10	.33	.95	T	.33	.	.				
PRESCOTT	3.77					.12							.10		.80										.40		.10	1.60	.55		.02	.	.				
RATCLIFF	2.30								.20	.10																		.21		2.09	T	.	.	.			
ROGERS	2.12		.80				.13	.16						.04														.01	.42				.	.			
ROHMER 2 NNE	11.76		.12		.23		.08	.11	.26			.02	.19	1.78	.60	2.37							1.12	.23	.32	.48		2.22	T	1.73		.	.				
RUSSELLVILLE	7.02		.57				.10		.32				.26	.57											.21	.89		.53	.66	1.66	1.25		.	.			
SAINT CHARLES	4.14							.50	.22				T	.52	.25									.54	.28	.36	.14	.34	.05	.68		1.02	.	.			
SAINT FRANCIS	2.52							.30						.90	.25																			.	.		
SALEM	8.37		1.08			1.01		T	.02				.08	.33												1.84	.57	.08	.86	2.50				.	.		
SEARCY	3.30							T						.35										T			.20	.25	.08	.25	.85	.12	.	.			
SHERIDAN TOWER	6.03		.30				.37	.17				1.07	.52	.84		.53	T							.85	.14	.10		.54	.30	.30	T	.	.				
SHIRLEY	2.42						.06	T					.08	.24											.24			T	.33	.53	.35	.09	.	.			
SILDAH SPRINGS	1.62		.01				.66					.02	.04															.38	.12	.39	T	.	.	.			
SPARKMAN 3 WSW	6.04							.85	.34				.24	.90	.97	.02	.10											1.65	.95	.02			.	.			
STAMPS	7.86							1.04						3.38														.16	3.15	.08	.05	.	.	.			
STORY	4.80								1.00					T	T	1.32	.18												T	.85		1.45	.	.			
STUTTIGART 9 ESE	4.25							T	.01				.03	.32	2.25	.10								.44		.36	.22	.01	.02	.01	.15	1.08	.03	.43	.		
SUBLACO	3.23					T		.12	.21					.60	.10													T	.77				.32	.	.		
TAYLOR	11.11							.27	.69					6.50	.65												1.56	.46	.17	.81				.	.		
TEXARKANA WB AIRPORT //R	4.52		T				T	1.43				T	.03	2.14	.38												T	.17	.18					.	.		
WALORON	2.16						.63	T					.02	T	.47	.10																			.	.	
WALNUT RIOGE FAA AP	4.20					.04	T		.04				1.30												.50	.15			.14	.24					.	.	
WARREN	8.06		T	.47	1.45			T		.12			1.11	.56	.56	.17	.33						.21		.41	.09	.92	.17	.34	1.52	.74	.01	.13	.66	.	.	
WEST MEMPHIS	1.26							T					.60																							.	.
WHITE ROCK	2.43		.17			.33							.07	.12											.17		.36		.02	1.19					.	.	
WYNNE	2.34												.47											.40		.80	.18	T	.03	.10	.02	T	.34	.	.		

# TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

Season of 1962 - 1963

ARKANSAS

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total
ABBOTT						T	-	T	T				-
ALICIA						1.3	2.6	-					-
ALUM FORK						.5	T	T					.5
ALY						T							T
AMITY 3 NE						.1	1.4	-					-
ANTOINE						.2							.2
APLIN 1 W						.5	T	.1					.6
ARKADELPHIA						-							-
ARKANSAS CITY						.3	T						.3
ASHDOWN						T							T
ATHENS						-		-	-	-			-
AUGUSTA						T	-						-
BALD KNOB						1.5	.5 1	T					2.0
BATESVILLE LIVESTOCK						1.0	1.6 1	T					2.6
BATESVILLE L AND D 1						.5	- 5						-
BEAVER DAM						T	.7						.7
BEECH GROVE						T	-	- 1	T				-
BEEDEVILLE						1.0	- 2						-
BENTON						T	T	T					T
BENTONVILLE						T	-	-	.3 1				-
BERRYVILLE 4 NW						T	T	T					T
BIG FORK						T							T
BLACK ROCK						.1	1.0 1	-	T				-
BLAKELY MOUNTAIN DAM						T	-	T					-
BLUFF CITY 3 SW						.5	T		T				.5
BLYTHEVILLE						T	-	T					-
BOONEVILLE						T	.5 1	T	T				.5
BOUGHTON						T							T
BRINKLEY						2.0	.6						2.6
BUFFALO TOWER						T	- 1	- 1					-
BURDETTE						2.0	3.0						5.0
CABOT 4 SW						T	T		T				T
CALICO ROCK						T	-						-
CAMDEN 1						T							T
CARLISLE 1 SW						1.3	-	.5					-
CLARENDON						T							T
CLARKSVILLE						T	T						T
CLINTON						T		.2					.2
CONWAY						T	T	T					T

See reference notes following Station Index.

# TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

CONTINUED

Season of 1962 - 1963

ARKANSAS

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total
CORNING SNOWFALL 1 IN ON GD						.8	1.5 2	.3					2.6
COVE SNOWFALL 1 IN ON GD						T							T
CROSSETT 7 S SNOWFALL 1 IN ON GD						.3	T	1.2 1					1.5
CRYSTAL VALLEY SNOWFALL 1 IN ON GD						T	-	-					-
CUMMINS FARM SNOWFALL 1 IN ON GD						2.0	T						2.0
DAISY 3 E SNOWFALL 1 IN ON GD						T							T
DAMASCUS SNOWFALL 1 IN ON GD						T							T
DANVILLE SNOWFALL 1 IN ON GD						T	T						T
DARDANELLE SNOWFALL 1 IN ON GD						T	T						T
DE QUEEN SNOWFALL 1 IN ON GD						T	T						T
DERMOTT SNOWFALL 1 IN ON GD						1.0	T						1.0
DES ARC SNOWFALL 1 IN ON GD						3.0	T						3.0
DEVILS KNOB SNOWFALL 1 IN ON GD						T		3.0					3.0
DIERKS SNOWFALL 1 IN ON GD						.5							.5
DUHAS SNOWFALL 1 IN ON GD						2.3							2.3
EL DORADO FAA AIRPORT SNOWFALL 1 IN ON GD						T	T	T					T
EUDORA SNOWFALL 1 IN ON GD						T							T
EUREKA SPRINGS SNOWFALL 1 IN ON GD						T	.5						.5
EVENING SHADE 1 NE SNOWFALL 1 IN ON GD						T							T
FAYETTEVILLE FAA AP SNOWFALL 1 IN ON GD						.1	.2	T	T				.3
FAYETTEVILLE EXP STA SNOWFALL 1 IN ON GD						T	.2	T					.2
FORDYCE 6 W SNOWFALL 1 IN ON GD						1.0	.5						1.5
FORT SMITH WB AIRPORT SNOWFALL 1 IN ON GD						T	T	T					T
FORT SMITH WATER PLANT SNOWFALL 1 IN ON GD						T	T	1.0 1					1.0
FULTON SNOWFALL 1 IN ON GD						T							T
GEORGETOWN SNOWFALL 1 IN ON GD						1.5							1.5
GILBERT SNOWFALL 1 IN ON GD						T	.1						.1
GLENWOOD SNOWFALL 1 IN ON GD						.1	.5						.6
GRAVELLY SNOWFALL 1 IN ON GD						T							T
GRAVETTE SNOWFALL 1 IN ON GD						T	-	T					-
GREEN FOREST 4 ESE SNOWFALL 1 IN ON GD						T			-				-
GREENBRIER SNOWFALL 1 IN ON GD						.7	1.0	.1	T				1.8
GREENWOOD SNOWFALL 1 IN ON GD						T	T	.1					.1
GREERS FERRY DAM SNOWFALL 1 IN ON GD						1.5	- 4		T				-
GURDON SNOWFALL 1 IN ON GD						.5	T	T					.5
HAHBURG SNOWFALL 1 IN ON GD						T	T	T					T
HARRISON SNOWFALL 1 IN ON GD						T			2.0				2.0
HARRISON FAA AIRPORT SNOWFALL 1 IN ON GD						T	T	-	T				-
HECTOR SNOWFALL 1 IN ON GD						T	T	-					-

See reference notes following Station Index.

# TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

CONTINUED

Season of 1962 - 1963

ARKANSAS

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total
HELENA SNOWFALL 1 IN ON GD						2.0	T	1.0 1					3.0
HOPE 3 NE SNOWFALL 1 IN ON GD						T							T
HOPPER SNOWFALL 1 IN ON GD						1.0	T	T					1.0
HORATIO SNOWFALL 1 IN ON GD						T							T
HOT SPRINGS 1 NNE SNOWFALL 1 IN ON GD						.9	-	T	T				-
INOEX SNOWFALL 1 IN ON GD						T							T
JASPER SNOWFALL 1 IN ON GD						T	-						-
JESSIEVILLE SNOWFALL 1 IN ON GD						T	T	T					T
JONESBORO SNOWFALL 1 IN ON GD						1.5	1.3 2	T					2.8
KEISER SNOWFALL 1 IN ON GD						T	- 8						-
KEO SNOWFALL 1 IN ON GD						1.0	T	-					-
LAKE CITY SNOWFALL 1 IN ON GD						-	-						-
LAKE MAUMELLE SNOWFALL 1 IN ON GD						.3	T						.3
LANGLEY SNOWFALL 1 IN ON GD						T	T						T
LEAD HILL SNOWFALL 1 IN ON GD						T	-	-					-
LFE CREEK GUARD STA SNOWFALL 1 IN ON GD						T	-	-	-	-	-	-	-
LEOLA SNOWFALL 1 IN ON GD						.5	-	-					-
LITTLE ROCK WB AP SNOWFALL 1 IN ON GD						1.5	.7	.4	T				2.6
LITTLE ROCK FILT PLANT SNOWFALL 1 IN ON GD						T							T
LURTON SNOWFALL 1 IN ON GD						T	.5						.5
MADISON SNOWFALL 1 IN ON GD						2.5	1.0 7	T	T				3.5
MAGNOLIA 3 N SNOWFALL 1 IN ON GD						T							T
MALVERN SNOWFALL 1 IN ON GD						T	T	T					T
MAMMOTH SPRING SNOWFALL 1 IN ON GD						.1	- 1						-
MARIANNA 2 S SNOWFALL 1 IN ON GD						2.3	1.0 1	1.0 1					4.3
MARKED TREE SNOWFALL 1 IN ON GD	-	-	-	-	-	-	-	-					-
MARSHALL SNOWFALL 1 IN ON GD						T	T						T
MELBOURNE SNOWFALL 1 IN ON GD						T							T
MENA SNOWFALL 1 IN ON GD						.8							.8
MONTICELLO 3 S SNOWFALL 1 IN ON GD						.6	-						-
MOROBAY LOCK AND DAM B SNOWFALL 1 IN ON GD						.3	T	T					.3
MORRILTON SNOWFALL 1 IN ON GD						T	T	T					T
MOUNT IDA SNOWFALL 1 IN ON GD						T	T	T					T
MOUNT MAGAZINE SNOWFALL 1 IN ON GD						.5							.5
MOUNTAIN HOME 1 NNW SNOWFALL 1 IN ON GD						.5	1.0 2						1.5
MOUNTAIN HOME C OF EN SNOWFALL 1 IN ON GD						.3	- 1						-
MOUNTAIN VIEW 2 ESE SNOWFALL 1 IN ON GD						T	2.0						2.0
MULBERRY 6 NNE SNOWFALL 1 IN ON GD						T		T					T
NARROWS DAM SNOWFALL 1 IN ON GD						1.5							1.5

See reference notes following Station Index.

# TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

CONTINUED

Season of 1962 - 1963

ARKANSAS

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total
NASHVILLE PEACH SUBSTA 1 IN ON GD						T	T	T	T				T
NATHAN 4 WNW 1 IN ON GD						1.0	T						1.0
NATURAL DAM 1 IN ON GD	-	-	-	-	-	-	-	-	-	-	-	-	-
NEWHORE 3 E 1 IN ON GD						T	T						T
NEWPORT 1 IN ON GD						1.5	1.5						3.0
NIMROD OAM 1 IN ON GD						T	T						T
ODELL 3 N 1 IN ON GD							1.7	1.0					2.7
ODEN 2 W 1 IN ON GD						.3							.3
OKAY 1 IN ON GD						T	T						T
OSCEOLA 2 NNW 1 IN ON GD						2.0	2.5						4.5
OWENSVILLE 1 IN ON GD						T	1.0	T					1.0
OZARK 1 IN ON GD						T	T						T
OZONE 1 IN ON GD						T							T
PARAGOULD RADIO KDRS 1 IN ON GD						.5	5.5						6.0
PARIS 1 IN ON GD						T	T						T
RARKIN 2 W 1 IN ON GD						T							T
PARKS 1 IN ON GD						T							T
PELSOR 1 IN ON GD	-	-	-	-	-	-	-	2.0					-
RERRYVILLE 1 IN ON GD						T	T	1.0					1.0
PINE BLUFF 1 IN ON GD						T	T						T
PINE BLUFF FAA AIRPORT 1 IN ON GD						T	T	T					T
RINE RIOGE 1 IN ON GD						.7	-						-
POCAHONTAS 1 1 IN ON GD						T	-	-	T				-
RORTLAND 1 IN ON GD						2.0	T	T					2.0
RRESCOTT 1 IN ON GD						1.0	-						-
RATCLIFF 1 IN ON GD						T		T					T
ROGERS 1 IN ON GD						T	T	T	T				T
ROHWER 2 NNE 1 IN ON, GD						2.0	T						2.0
RUSSELLVILLE 1 IN ON GD						T							T
SAINT CHARLES 1 IN ON GD						1.3							1.3
SAINT FRANCIS 1 IN ON GD						-	2.0						-
SALEM 1 IN ON GD						T	2.2						2.2
SEARCY 1 IN ON GD						1.5	-	T					-
SHERIDAN TOWER 1 IN ON GD						1.0	T	-					-
SHIRLEY 1 IN ON GD						T	.4						.4
SILOAM SPRINGS 1 IN ON GD						T	.4	T					.4
SRARKMAN 3 WSW 1 IN ON GD						T							T
STAMPS 1 IN ON GD						T	T	T	T				T
STAR CITY 2 S 1 IN ON GD	-	-	-	-	-	-	T					-	-

See reference notes following Station Index.



# TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

CONTINUED

Season of 1962 - 1963

ARKANSAS

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total
STORY SNOWFALL 1 IN ON GO						T		-					-
STUTTART SNOWFALL 1 IN ON GO						T	.8						.8
STUTTART 9 ESE SNOWFALL 1 IN ON GO						1.0	.5 4	.3 1					1.8
SUBIACO SNOWFALL 1 IN ON GO						T							T
TAYLOR SNOWFALL 1 IN ON GD						T	T	.5					.5
TEXARKANA WB AIRPORT SNOWFALL 1 IN ON GD						T	.2	.5	T				.7
WALORON SNOWFALL 1 IN ON GO						T	.5	.5					1.0
WALNUT RIDGE FAA AP SNOWFALL 1 IN ON GO						T	1.1 2	T	T				1.1
WARREN SNOWFALL 1 IN ON GO							2.0	T					2.0
WEST MEMPHIS SNOWFALL 1 IN ON GO						T							T
WHITE ROCK SNOWFALL 1 IN ON GO						T	T	- 1					-
WYNNE SNOWFALL 1 IN ON GD							-	.8					-

NOTE: COUNT OF DAYS WITH SNOWFALL OF 1 INCH OR MORE ON GROUND WAS BEGUN WITH DATA FOR JANUARY 1963.

## DAILY SOIL TEMPERATURES

ARKANSAS  
JULY 1963

Station	Day of month																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
WARREN 4 INCHES	MAX MIN	89 80	91 77	92 80	100 81	94 83	94 82	93 81	92 84	90 80	90 80	88 79	87 78	87 79	90 80	89 78	90 76	90 77	92 76	92 81	92 80	94 81	94 79	88 81	87 76	90 69	88 75	86 71	88 75	87 76	84 78	88 82	90.2 78.5

See reference notes following Station Index.



DAILY TEMPERATURES

Table with columns for Station, Day Of Month (1-31), and Average. Rows include stations like MOPE 3 NE, MOT SPRINGS 1 NNE, JONESBORO, KEISER, KEO, LEO HILL, LEOLA, LITTLE ROCK W8 AIRPORT, MAGNOLIA 3 N, MALVERN, MAMMOTH SPRING, MARIANNA 2 S, MARKEO TREE, MARSMALL, MENA, MONTICELLO 3 S, MOROBAY LOCK AND OAM B, MORRILTON, MOUNT IOA, MOUNTAIN HOME 1 NNW, MOUNTAIN HOME C OF ENG, NARROWS OAM, NASHVILLE PEACH SUBSTA, NEWPORT, NIMROO OAM, OKAY, OZARK, PARAGOULD RADIO KORS, PARIS, PERRYVILLE, PINE BLUFF, PINE BLUFF FAA AIRPORT, POCAHONTAS 1, PORTLANDO, PRESCOTT, ROGERS, ROMWER 2 NNE, RUSSELLVILLE, SAINT CHARLES.







REFERENCE NOTES

Additional information regarding the climate of Arkansas may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for January 1957.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, B, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

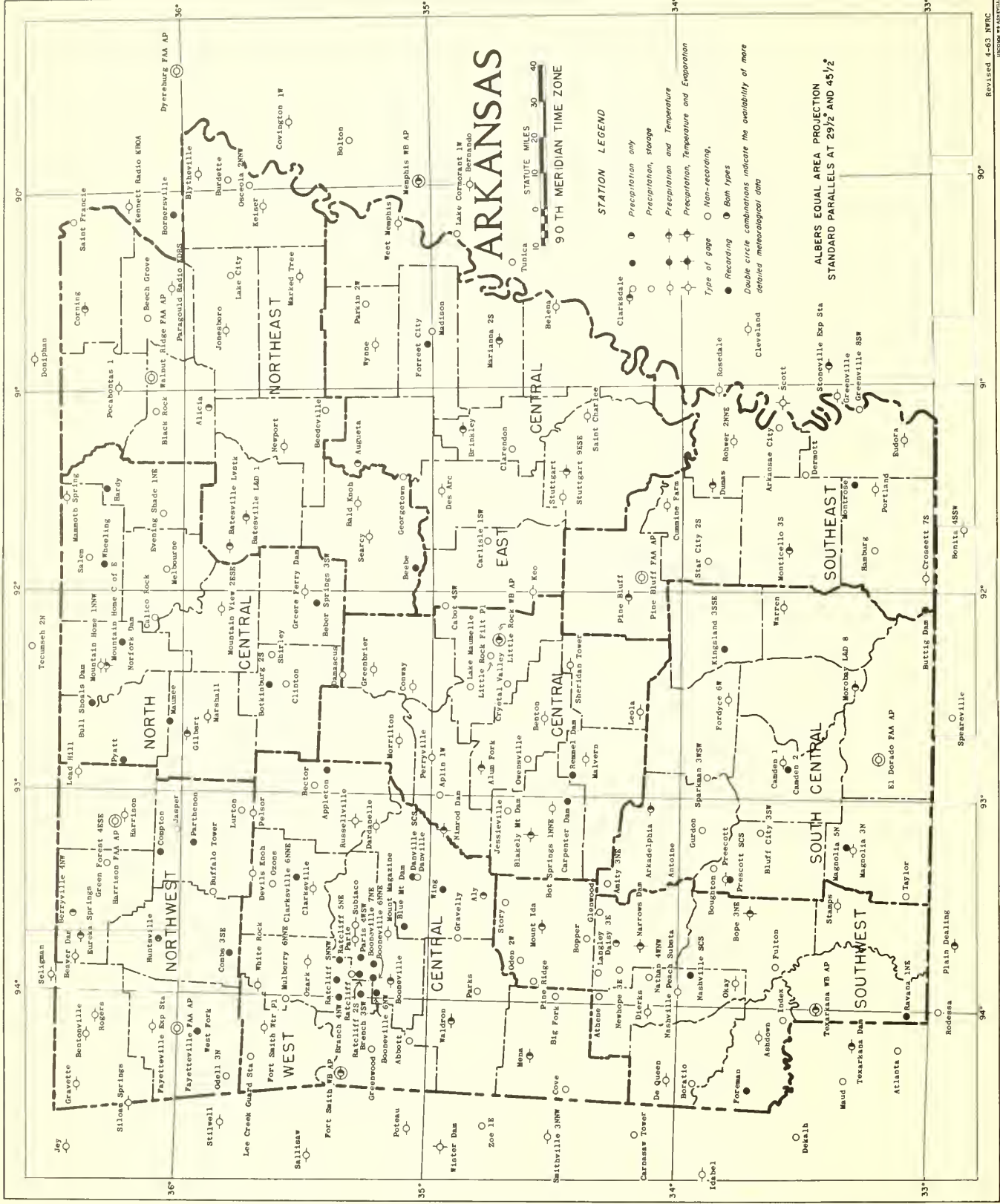
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- \* Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windsield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 45 cents. Similar information for regular Weather Bureau stations may be found in the 1961 annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-ASHEVILLE---10-15-63--900



# ARKANSAS

90° MERIDIAN TIME ZONE

0 10 20 30 40  
STATUTE MILES

### STATION LEGEND

- Precipitation only
- Precipitation, storage
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation
- Type of gage
- Non-recording
- Recording
- Both types
- Double circle combinations indicate the availability of more detailed meteorological data

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29 1/2° AND 45 1/2°







U. S. DEPARTMENT OF COMMERCE

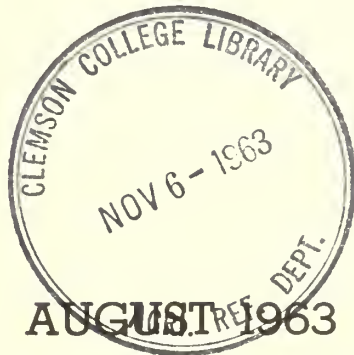
LUTHER H. HODGES, Secretary

WEATHER BUREAU

ROBERT M. WHITE, Chief

# CLIMATOLOGICAL DATA

## ARKANSAS



AUGUST 1963

Volume 68 No. 8





# CLIMATOLOGICAL DATA

ARKANSAS  
AUGUST 1963

CONTINUED

Station	Temperature										Precipitation																		
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days								
										63° or Above	50° or Above	32° or Above	32° or Below					32° or Below	0° or Below	Total	Departure From Normal	Greatest Day	Date	Total	Max. Depth on Ground	Date	10 or More	30 or More	1.00 or More
OE QUEEN	95.6	68.5	82.1		104	27+	55	16	0	26	0	0	0	4.53		2.52	30		+0	0		3	3	2					
OIERKS	96.1	65.8	81.0		108	26	52	16	0	27	0	0	0	4.42		2.90	30		+0	0		6	2	1					
HOPE 3 NE	93.6	68.7	81.2	- 0.8	101	28+	53	16	0	26	0	0	0	.38	- 2.88	.15	30		+0	0		3	0	0					
MOUNT 10A	94.1	66.1	80.1	0.4	105	26	51	16	0	26	0	0	0	1.25	- 2.21	.41	11		+0	0		4	0	0					
NARROWS DAM	95.4	64.7	80.1		106	27	51	16	0	26	0	0	0	2.66		1.19	31		+0	0		5	2	1					
NASHVILLE PEACH SUBSTA	94.7	66.4	80.6		104	27	54	16	0	25	0	0	0	3.90		1.73	12		+0	0		5	3	1					
OKAY	96.5	70.1	83.3	1.1	106	27+	55	16	0	29	0	0	0	3.70	.74	2.90	29		+0	0		3	2	1					
STAMPS	94.5M	68.1M	81.3M		103	28	53	16	0	25	0	0	0	1.64		.88	31		+0	0		3	1	0					
TEXARKANA WB AIRPORT //R	94.5	72.5	83.5	0.9	102	26	59	16	0	26	0	0	0	3.00	- .07	2.18	30		+0	0		3	2	1					
DIVISION			81.6	0.3										2.74	- .38				+0										
SOUTH CENTRAL																													
ARKADELPHIA	93.3	69.1	81.2		102	28+	56	16	0	21	0	0	0	4.16	- 1.35	3.28	30		+0	0		4	1	1					
CAMEN 1	95.2	69.9	82.6	- 0.7	104	26	55	16	0	26	0	0	0	1.07	- 1.66	.44	20		+0	0		3	0	0					
EL DORADO FAA AIRPORT	92.8	69.3	81.1	- 1.4	101	26	54	16	0	23	0	0	0	2.65	.40	1.20	30		+0	0		5	2	1					
FOROYCE 6 W	95.1	69.2	82.2		105	28	56	16+	0	26	0	0	0	.79		.50	30		+0	0		1	1	0					
MAGNOLIA 3 N	94.9	68.1	81.5	- 1.0	103	28	51	16	0	25	0	0	0	1.55	- .84	1.08	31		+0	0		2	1	1					
MOROBAY LOCK AND DAM 8	94.1	68.7	81.4		104	27	54	16	0	26	0	0	0	2.78		1.28	30		+0	0		4	2	1					
PRESCOTT	95.3	71.3	83.3	0.5	106	27	57	16+	0	26	0	0	0	2.43	- .36	1.25	12		+0	0		5	1	1					
WARREN	93.9	69.0	81.5	- 1.0	105	26	53	16	0	25	0	0	0	3.01		1.49	30		+0	0		3	3	1					
DIVISION			81.9	- 0.2										2.31	- .51				+0										
SOUTHEAST																													
CROSSETT 7 S	93.1	69.8	81.5	0.2	101	26	55	16	0	25	0	0	0	3.53	.16	.76	8		+0	0		6	4	0					
CUMMINS FARM	90.7	66.5	78.6		99	28	52	17+	0	20	0	0	0	2.93		1.36	20		+0	0		4	2	1					
OERMOTT 3 NE	91.6	68.2	79.9		99	28+	52	18+	0	24	0	0	0	.84		.26	14		+0	0		4	0	0					
OUMAS	92.8	68.7	80.8	- 1.6	100	28	55	17	0	24	0	0	0	2.76	- .32	1.56	31		+0	0		4	2	1					
EUOORA	94.3	69.7	82.0		101	28+	54	16	0	25	0	0	0	1.80		1.23	20		+0	0		2	2	1					
MONTICELLO 3 S	90.4	68.3M	79.4M		99	28+	49	16	0	21	0	0	0	2.05		.87	30		+0	0		3	2	0					
PINE BLUFF	92.4	70.7	81.6	- 1.6	102	28	57	16	0	24	0	0	0	2.01	- .41	.84	31		+0	0		3	2	0					
PINE BLUFF FAA AIRPORT	92.0	70.4	81.2		101	28	57	16	0	23	0	0	0	3.70		2.47	30		+0	0		5	2	1					
PORTLAND	90.6	68.5	79.6	- 1.6	100	29+	55	16	0	23	0	0	0	2.77	.08	2.00	30		+0	0		3	2	1					
ROHWER 2 NNE	91.9	67.3	79.6		99	28	52	18+	0	24	0	0	0	2.63		1.85	30		+0	0		3	2	1					
DIVISION			80.4	- 1.3										2.50	- .39				+0										

### TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 109° on the 26th at Booneville

Lowest Temperature: 46° on the 16th at Batesville L and D No 1

Greatest Total Precipitation: 5.73 inches at Hector

Least Total Precipitation: 0.08 inch at Aly

Greatest One-Day Precipitation: 4.00 inches on the 10th at Odell 3 N



# DAILY PRECIPITATION

ARKANSAS  
1963

Continued

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MULBERRY 6 NNE	1.36										.53	T	.43	.02							.11					.06	.10		.08	.03			
NARROWS DAM	2.66													.03	.13																		
NASHVILLE PEACH SUBSTA	3.90														.73	.45																	
NATHAN 4 WNW	3.66														.89																		
NATURAL DAM	1.45																																
NEWHOPE 3 E	1.12																																
NEWPORT	1.72																																
ODELL 3 N	4.61																																
OKAY	3.70																																
OSCEOLA 2 NNW	1.07																																
OWENSVILLE	.64	.07																															
OZARK	1.83																																
OZONE	1.98																																
PARAGOULO RAOLO KORS	.14																																
PARIS	.90																																
PARKIN 2 W	2.04																																
PARKS	1.68																																
PERRYVILLE	1.89																																
PINE BLUFF	2.01																																
PINE BLUFF FAA AIRPORT	3.70																																
POCAHONTAS 1	-																																
PORTLAND	2.77	.62																															
PRESCOTT	2.43																																
RATCLIFF	.34																																
ROGERS	2.99																																
ROHWER 2 NNE	2.63																																
RUSSELLVILLE	2.17																																
SAINT CHARLES	1.83																																
SAINT FRANCIS	.93																																
SALEM	.60																																
SEARCY	3.02																																
SHERIDAN TOWER	.44	.03																															
SHIRLEY	2.91																																
SILVAM SPRINGS	5.23																																
STAMPS	1.64																																
STORY	2.25	.27	.25																														
STUTTGART	1.18																																
STUTTGART 9 ESE	1.81																																
SUBIACO	1.35																																
TAYLOR	1.90																																
TEXARKANA #8 AIRPORT //R	3.00																																
WALORON	.67																																
WALNUT RIOGE FAA AP	1.06																																
WARREN	3.01																																
WEST MEMPHIS	1.40																																
WHITE ROCK	1.75	.04																															
WYNNE	1.18																																

See reference notes following Station Index







# DAILY TEMPERATURES

ARKANSAS  
AUGUST 1963

Continued

Station	Day Of Month																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
SAINT CHARLES	MAX	92	98	95	94	97	97	98	97	96	97	96	98	93	90	82	82	88	92	92	90	80	90	93	96	98	95	102	98	101	88	85	93.2
	MIN	70	74	71	70	70	71	73	74	68	68	70	69	73	67	57	55	57	61	61	69	65	64	64	72	75	75	74	72	75	77	65	68.6
SEARCY	MAX	98	98	96	99	97	96	97	97	96	92	91	96	92	88	85	89	93	90	84	79	87	93	98	98	98	96	99	102	94	88	90	93.4
	MIN	73	75	72	72	73	72	75	75	69	71	72	70	74	64	58	56	60	63	65	65	58	61	65	69	75	74	72	71	73	73	62	68.6
SHERIDAN TOWER	MAX	99	97	97	99	97	98	97	96	97	92	97	91	84	83	89	92	93	91	88	90	96	97	99	98	101	96	103	93	82	91	94.0	
	MIN	76	74	71	77	70	70	72	73	70	71	70	74	74	66	53	55	60	63	65	65	52	60	70	70	74	74	73	73	76	67	60	68.3
SILOAM SPRINGS	MAX	101	101	102	101	102	104	99	100	101	91	97	96	85	81	85	89	92	90	80	85	88	93	100	93	98	101	101	101	84	87	90	94.1
	MIN	70	72	71	71	70	70	68	72	70	72	72	75	73	64	55	56	61	66	67	56	58	59	66	70	71	72	71	72	70	67	61	67.4
STAMPS	MAX	99	98	96	98	98	98	98	98	98	98	95	98	87	85	88	92	92	93	84	90	95	97	99				103	101	82	88	94.5	
	MIN	70	72	71	71	70	72	72	70	69	73	70	73	70	70	58	53	56	63	65	68	65	66	70	70				71	74	68	66	68.1
STUTTGART	MAX	96	95	95	95	95	96	96	94	95	93	94	98	94	85	84	87	92	92	90	80	87	93	96	99	93	101	97	105	95	87	91	93.2
	MIN	72	76	74	71	75	75	77	78	79	74	75	78	76	68	59	59	61	66	69	69	65	65	72	74	76	75	76	74	73	74	64	71.6
STUTTGART 9 ESE	MAX	91	96	93	93	94	94	95	94	95	94	92	89	93	92	83	82	85	90	89	87	78	86	91	92	93	91	98	91	98	81	85	90.5
	MIN	70	74	71	70	71	72	72	73	70	70	72	74	74	66	55	55	58	59	65	68	62	62	68	69	74	73	74	71	73	71	60	68.3
SUBIACO	MAX	99	98	97	97	97	99	97	95	99	99	92	98	92	84	84	88	95	94	86	89	90	95	101	93	104	106	102	104	92	90	92	95.1
	MIN	71	70	72	71	69	70	71	72	67	70	71	73	74	64	59	55	60	65	67	67	58	62	67	68	73	73	73	70	70	71	60	67.8
TEXARKANA WB AIRPORT	MAX	98	97	95	98	96	97	99	98	96	97	97	96	96	88	85	88	93	92	91	85	90	94	98	99	98	102	101	101	98	78	90	94.5
	MIN	75	75	75	75	76	76	76	75	74	77	73	76	76	70	64	59	63	68	69	71	68	67	74	73	76	78	79	77	74	70	70	72.5
WALORON	MAX	101	103	100	100	100	101	100	98	99	94	97	100	96	88	90	93	99	97	91	94	95	100	102	104	104	108	102	107	102	90	95	98.4
	MIN	71	69	70	67	65	69	69	69	68	71	73	71	73	62	55	52	57	60	66	67	57	58	66	67	74	70	73	70	73	71	57	66.5
WALNUT RIDGE FAA AP	MAX	97	96	97	97	97	97	92	95	98	83	92	97	90	80	84	88	96	91	79	75	86	92	96	89	98	91	94	103	85	90	88	91.4
	MIN	73	75	73	74	71	74	74	70	71	71	69	72	69	60	54	55	62	66	68	59	54	59	63	72	75	73	71	73	73	67	61	67.8
WARREN	MAX	97	95	97	97	95	97	99	96	95	93	93	93	94	86	84	88	93	92	93	86	90	96	94	99	97	105	99	104	94	82	88	93.9
	MIN	71	73	70	71	68	72	73	73	70	72	72	75	76	70	56	53	55	59	60	70	65	66	70	72	74	72	77	74	75	70	65	69.0
WEST MEMPHIS	MAX	97	96	96	96	97	96	97	95	96	92	93	91	89	86	83	85	88	90	88	77	88	91	95	95	94	96	97	97	95	85	87	91.9
	MIN	73	76	70	73	72	74	76	72	68	70	71	73	74	63	56	55	58	60	68	67	63	65	65	74	76	71	75	76	73	73	60	69.0
WHITE ROCK	MAX	92	93	93	92	93	95	94	92	94	89	88	92	86	79	81	84	90	89	83	85	86	91	95	91	98	100	95	99	93	85	88	90.5
	MIN	71	74	71	71	72	72	72	72	74	67	69	72	71	60	58	61	71	69	63	61	59	65	71	66	76	73	70	75	68	67	64	68.5
WYNNE	MAX	99	98	98	100	100	98	99	97	96	94	95	96	91	89	84	86	92	94	81	76	87	91	97	96	92	98	99	102	95	88	89	93.5
	MIN	72	75	68	78	68	71	76	71	70	68	74	75	74	64	52	53	58	59	64	66	62	64	65	74	77	74	73	76	73	73	60	68.6

See Reference Notes Following Station Index

# DAILY SOIL TEMPERATURES

ARKANSAS  
AUGUST 1963

Station	Day of month																															Average		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
WARREN																																		
4 INCHES	MAX	91	91	90	92	91	91	91	89	89	87	88	88	86	87	86	85	86	89	84	83	85	87	85	87	87	89	85	88	87	83	84	87.5	
	MIN	80	81	83	84	84	85	80	83	84	80	84	84	83	83	79	78	78	78	82	79	80	79	80	81	81	83	83	83	81	82	81	81.5	

## EVAPORATION AND WIND

Station		Day of month																															Total	or Avg
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
BLAKELY MOUNTAIN OAM	EVAP	.20	.22	.26	.25	.23	.26	.20	.10	.15	.24	.11	.11	.21	.18	.28	.23	.20	.18	.23	.05	.16	.21	.18	.27	.22	.22	.23	.11	.21	.11	.09	5.90	
	WIND	19	18	19	21	19	24	17	26	20	18	20	18	29	38	39	29	23	18	25	15	34	19	20	23	17	19	23	7	24	29	17	687	
HCPÉ 3 NE	EVAP	.25	.22	.28	.15	.37	.26	.22	.46	.26	.30	.13	.19	.28	.23	.32	.29	.26	.23	.29	.15	.16	.12	.19	.46	.06	.36	.24	.24	.39	.25	.09	7.70	
	WIND	19	11	11	15	12	9	18	23	16	17	20	30	51	40	25	19	17	21	2	1	1	2	1	1	1	1	1	1	3	1	1	409	
MOUNTAIN HOME C OF ENG	EVAP	.22	.23	.22	.27	.26	.30	.26	.20	.28	.28	.11	.24	.28	.22	.20	.22	.24	.24	.14	.10	.17	.22	.25	.28	.08	.28	.18	.22	.29	.07	.27	6.82	
	WIND	8	13	11	8	12	14	10	2	-	-	-	-	14	15	12	18	16	9	12	9	6	8	8	10	20	13	9	16	4	18	352		
	MAX	100	99	101	102	102	100	98	96	100	105	89	104	101	100	91	98	99	102	97	89	95	99	101	96	83	95	90	98	95	82	92	96.7	
	MIN	74	76	74	75	75	73	74	74	73	74	63	71	73	67	62	62	63	66	63	66	63	62	65	69	72	74	73	73	70	65	69.6		
NARROWS DAM	EVAP	.22	.25	.20	.22	.22	.19	.25	.17	.20	.23	.16	.08	.26	.14	.24	.22	.23	.21	.24	.11	.22	.30	.15	.30	.24	.20	.30	.31	.29	.17	.21	6.73	
	WIND	14	8	7	10	11	9	12	21	11	13	9	13	27	24	21	14	15	14	19	20	22	19	15	19	17	22	21	28	27	11	21	513	
	MAX	90	95	104	101	101	100	100	94	97	99	95	95	98	92	93	92	93	95	92	85	92	94	95	100	105	97	-	96	99	96	83	95.6	
	MIN	78	80	75	74	72	73	76	71	72	74	76	74	74	70	66	62	62	64	65	62	67	66	67	79	82	78	-	74	75	75	69	71.7	
RUSSELLVILLE	EVAP	.26	.19	.27	.29	.32	.21	.21	.22	.19	.19	.22	.22	.14	.26	.25	.14	.23	.23	.40	.53	.32	.23	.30	.15	.17	.22	.25	.29	.21	.16	.19	7.46	
	WIND	6	3	4	2	11	4	3	6	4	3	11	6	4	15	7	4	9	4	3	9	10	1	12	3	7	7	7	8	22	16	8	214	
	MAX	106	-	108	108	106	107	106	101	103	102	96	104	102	89	87	97	99	97	91	97	98	100	104	95	103	104	103	102	99	91	94	100.0	
	MIN	80	-	80	79	76	75	78	76	76	76	76	80	79	72	70	67	69	73	73	73	66	68	72	75	77	77	75	78	75	76	71	74.7	
STUTT GART 9 ESE	EVAP	.22	.25	.29	.29	.25	.25	.29	.30	.30	.28	.21	.12	.31	.29	.29	.25	.22	.23	.27	.19	.12	.20	.24	.22	.19	.16	.23	.17	.30	.09	.15	7.17	
	WIND	24	24	33	25	21	21	34	44	31	27	31	26	94	88	56	36	21	23	44	58	37	16	17	44	31	25	25	34	57	30	30	1107	
	MAX	106	110	107	105	106	108	107	104	103	105	101	97	102	96	92	93	98	97	94	89	83	98	96	99	99	96	104	93	102	84	90	98.8	
	MIN	74	78	78	79	79	80	80	79	79	79	76	78	80	77	72	63	63	65	67	72	72	69	68	72	75	76	78	77	77	75	68	74.3	
WARREN	EVAP	.17	.22	.26	.25	.19	.22	.20	.22	.17	.07	.18	.23	.26	.09	.21	.23	.24	.20	.19	.11	.22	.16	.15	.12	.20	.28	.21	.14	.16	.22	.17	5.94	
	WIND	16	4	9	5	4	4	8	8	6	3	12	14	42	24	10	8	5	10	13	19	4	4	5	15	14	6	5	7	10	1	2	297	
	MAX	100	106	104	108	107	100	106	105	108	106	103	98	99	94	96	95	102	98	98	93	87	96	99	101	106	97	103	101	108	103	83	100.3	
	MIN	73	77	77	77	76	75	76	77	74	67	68	76	75	75	65	63	56	64	61	70	71	71	73	68	68	75	76	70	69	68	71	71.0	

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.

## SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	MIDNIGHT CST	6:00 AM CST	NOON CST	6:00 PM CST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
FORT SMITH WB AIRPORT	ENE	18	5.9	17	W	25+	80	91	53	49	1	2	3	0	0	0	6	75	4.8
LITTLE ROCK WB AIRPORT	WSW	14	5.9	23	W	10	87	93	57	60	7	3	2	0	0	0	12	73	5.0
TEXARKANA WB AIRPORT	NE	14	7.6	-	-	-	77	89	55	53	1	2	1	1	0	1	6	-	1



REFERENCE NOTES

Additional information regarding the climate of Arkansas may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and beating degree days for the 12 months ending with the June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for January 1957.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the Annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table

for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in

Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

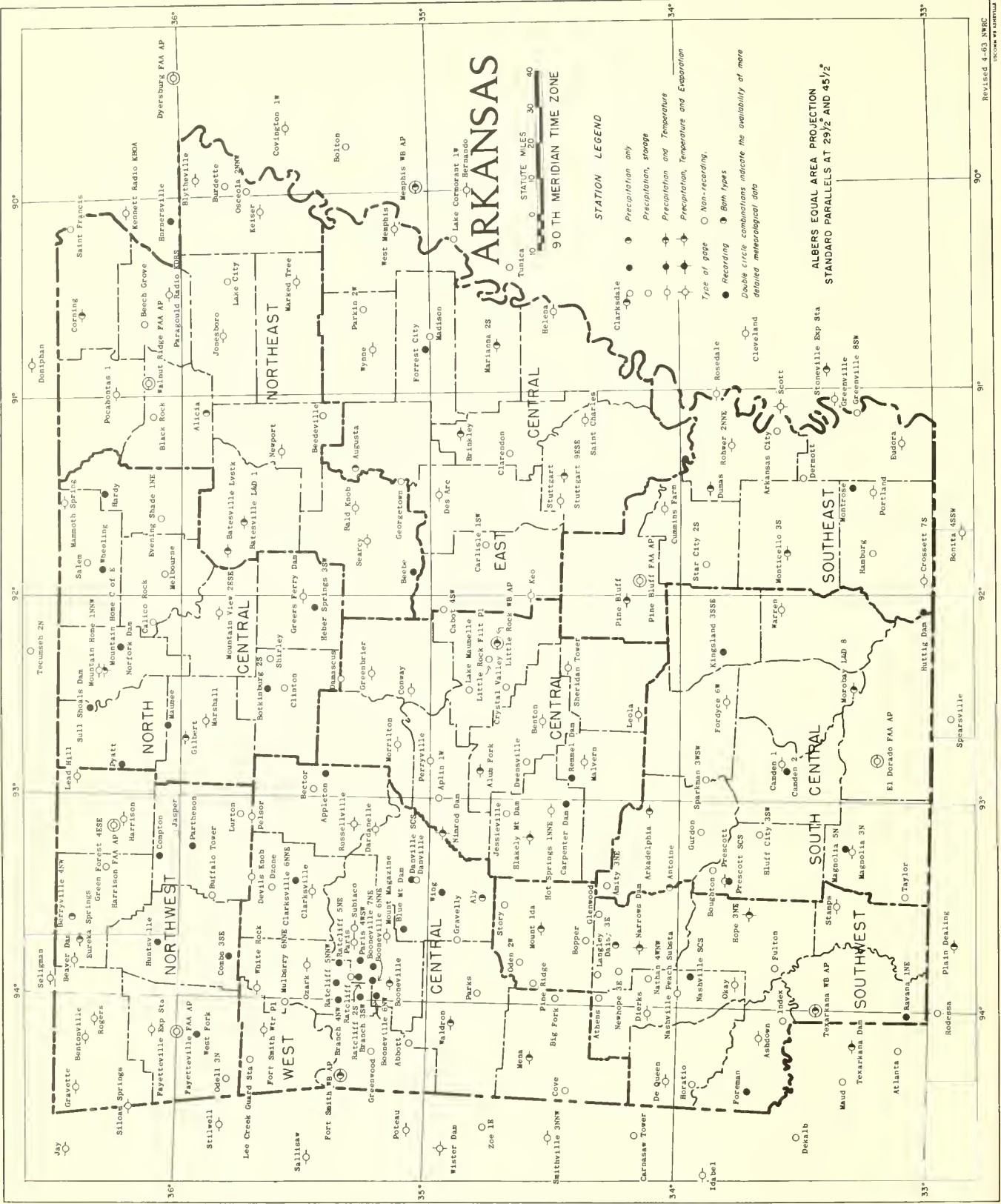
V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-ASHEVILLE--10-23-63--900



# ARKANSAS

90° TH MERIDIAN TIME ZONE

### STATION LEGEND

- Precipitation only
  - Precipitation, storage
  - Precipitation and Temperature
  - Precipitation, Temperature and Evaporation
  - Non-recording
  - Recording
  - Both types
- Double circle combinations indicate the availability of more detailed meteorological data

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29½° AND 45½°

U. S. DEPARTMENT OF COMMERCE

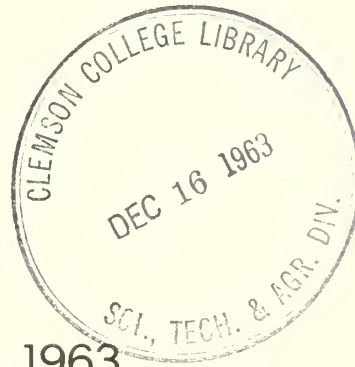
LUTHER H. HODGES, Secretary

WEATHER BUREAU

ROBERT M. WHITE, Chief

# CLIMATOLOGICAL DATA

## ARKANSAS



SEPTEMBER 1963

Volume 68 No. 9







# CLIMATOLOGICAL DATA

ARKANSAS  
SEPTEMBER 1963

CONTINUED

Station	Temperature											Precipitation														
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days			Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days						
										100° or Above	50° or Below	32° or Below					Total	Departure From Normal	Greatest Day	Date	Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
OES ARC	85.6	62.5	74.1		101	3	41	30	7	11	0	0	0	2.26		.73	4	.0	0		5	2	0			
HELENA	85.0	61.4	73.2	- 1.9	96	4	44	30	13	8	0	0	0	1.60	- 1.35	1.03	4	.0	0		2	2	1			
KEO	82.8	62.2	72.5		94	3	44	30	7	4	0	0	0	1.57		1.03	7	.0	0		3	1	1			
MARIANNA 2 S	85.0	61.0	73.1	- 0.7	95	3	39	30	9	9	0	0	0	2.29	- .60	1.63	4	.0	0		4	1	1			
SAINT CHARLES	86.1M	62.0M	74.1M		98	4	45	30	8	13	0	0	0	1.63		.78	13	.0	0		3	1	2			
STUTT GART	86.1	64.8	75.5	0.0	101	3	47	30	3	10	0	0	0	2.83	- .40	1.28	8	.0	0		3	2	2			
STUTT GART 9 ESE	84.5	60.8	72.7		97	4	42	30	10	5	0	0	0	3.53		1.80	4	.0	0		3	3	2			
WEST MEMPHIS	84.8	62.5	73.7		95	3	42	30	8	7	0	0	0	2.60		1.74	4	.0	0		5	1	1			
WYNNE																										
DIVISION 06			73.6	- .6										2.24	- .79			.0								
SOUTHWEST																										
ASHOOWN	89.5	62.2	75.9		98	11	40	30	5	16	0	0	0	.30		.18	17	.0	0		2	0	0			
DE QUEEN	87.4	62.8	75.1		97	11+	40	30	5	12	0	0	0	.69		.49	13	.0	0		2	0	0			
OIERKS	87.4	60.6	74.0		97	3	38	30	5	13	0	0	0	2.68		1.54	8	.0	0		3	2	1			
HOPE 3 NE	86.3	62.2	74.3	- 1.3	97	3	42	30	5	11	0	0	0	2.57	- .36	2.15	8	.0	0		3	1	1			
MOUNT IOA	86.7	60.4	73.6	0.9	99	3	38	30	9	13	0	0	0	3.35	- .47	2.11	8	.0	0		5	1	1			
NARROWS DAM	87.3	61.0	74.2		97	4	39	30	6	13	0	0	0	1.47		.97	8	.0	0		3	1	0			
NASHVILLE PEACH SUBSTA	86.2	62.3	74.3		97	4	49	30	2	9	0	0	0	2.24		1.65	8	.0	0		3	1	1			
OKAY	87.7	64.3	76.0	- 0.2	97	11+	42	30	4	14	0	0	0	.86	- 2.55	.50	7	.0	0		3	1	0			
STAMPS	85.4	63.8	74.6		98	3	48	30	2	12	0	0	0	2.83		1.38	8	.0	0		7	1	1			
TEXARKANA WB AIRPORT //R	86.3	65.8	76.1	- 0.4	96	4+	47	30	2	10	0	0	0	.57	- 2.16	.40	17	.0	0		2	0	0			
DIVISION 07			74.8	.0										1.76	- 1.79			.0								
SOUTH CENTRAL																										
ARKAOELPHIA	86.2	64.1	75.2		96	3	44	30	3	9	0	0	0	1.41	- 1.95	.67	7	.0	0		3	2	0			
CAMOEN 1	87.0	63.9	75.5	0.0	97	3	42	30	5	14	0	0	0	2.39	- .73	1.06	6	.0	0		6	2	1			
EL OORADO FAA AIRPORT	84.7	63.4	74.1	- 2.5	96	3	43	30	8	11	0	0	0	2.75	.26	.68	7	.0	0		7	2	0			
FOROYCE 6 W	87.9	62.1	75.0		100	10+	42	30	5	15	0	0	0	1.47		.65	9	.0	0		3	1	0			
MAGNOLIA 3 N	85.7	61.8	73.8	- 2.9	97	3	44	30	5	9	0	0	0	2.01	- .40	.77	8	.0	0		6	2	0			
MOROBAY LOCK AND DAM 8	85.6	62.5	74.1		97	6	42	30	7	11	0	0	0	3.75		1.48	6	.0	0		6	3	1			
PRESCOTT	85.6	65.0	75.3	- 1.1	101	3	48	30	3	13	0	0	0	1.36	- 1.86	.81	7	.0	0		3	1	0			
SPARKMAN 3 WSW	86.0M	57.8M	74.6M				42	30						.36		.36	7	.0	0		1	0	0			
WARREN	86.0	63.1	74.6	- 1.7	97	3	43	30	4	12	0	0	0	1.31		.67	13	.0	0		2	1	0			
DIVISION 08			74.7	- 1.2										1.87	- 1.18			.0								
SOUTHEAST																										
CROSSEY 7 S	86.0	63.7	74.9	- 1.0	97	3	45	30	4	14	0	0	0	1.55	- 1.34	.63	14	.0	0		6	1	0			
CUMMINS FARM	84.0	59.7	71.9		94	11+	39	30	11	8	0	0	0	.69		.40	12	.0	0		2	0	0			
DERMOTT 3 NE	84.4	61.2	72.8		97	3	40	30	10	10	0	0	0	.68		.21	13	.0	0		6	0	0			
DUMAS	86.2	61.8	74.0	- 1.9	96	3	43	30	4	15	0	0	0	.67	- 2.41	.26	13	.0	0		3	0	0			
EUOORA	86.8	64.4	75.6		98	11+	45	30	4	13	0	0	0	1.14		.47	4	.0	0		4	0	0			
MONTICELLO 3 S	84.6M	62.1M	73.4M		95	12+	38	30	8	10	0	0	0	.95		.62	14	.0	0		2	1	0			
PINE BLUFF	85.6	64.2	74.9	- 2.0	97	3	47	30	4	10	0	0	0	1.99	- 1.11	1.41	8	.0	0		3	1	1			
PINE BLUFF FAA AIRPORT	84.7	64.1	74.4		98	3	46	30	4	9	0	0	0	1.56		1.52	7	.0	0		1	1	1			
PORTLAND	83.6	61.8	72.7	- 2.5	97	4	48	30	6	8	0	0	0	1.47	- 1.42	1.05	18	.0	0		3	1	1			
ROHWER 2 NNE	84.5	61.9	73.2		95	3	40	30	8	9	0	0	0	2.16		1.55	12	.0	0		4	1	1			
DIVISION 09			73.8	- 1.8										1.29	- 1.78			.0								

Beginning with this issue the Daily Precipitation Table, Daily Temperature Table, Snowfall and Snow on Ground Table, and Evaporation and Wind Table will be arranged by Division in the same order as the Climatological Data Table.

### TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 102° on the 3+ at 4 stations

Lowest Temperature: 33° on the 30th at Gravette

Greatest Total Precipitation: 4.02 inches at Clarendon

Least Total Precipitation: 0.07 inch at Keiser and at Osceola 2 NNW

Greatest One-Day Precipitation: 2.60 inches on the 4th at White Rock

See Reference Notes Following Station Index











# DAILY SOIL TEMPERATURES

ARKANSAS  
SEPTEMBER 1963

STATION AND DEPTH	Day of month																															Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WARREN 4 INCHES	MAX MIN	85 79	85 79	87 78	87 80	87 83	86 82	86 81	85 79	85 79	85 79	85 80	85 80	80 79	79 77	77 77	78 78	79 77	80 76	80 75	80 75	79 74	77 75	77 74	77 73	76 73	74 71	74 72	73 73	73 69	80.7 76.9	

SLOPE OF GROUND: LEVEL AT STATION, GENTLY ROLLING VICINITY. SOIL TYPE: SANDY LOAM. GROUND COVER: GRASS. INSTRUMENTATION: PALMER SOIL THERMOMETERS. MAX AND MIN FOR 24 HOURS ENDING AT 7 A. M.

## SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m p h				Relative humidity averages percent				Number of days with precipitation						Total	Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	MIDNIGHT CST	6:00 AM CST	NOON CST	6:00 PM CST	Trace	01-09	10-49	50-99	100-199	200 and over			
FORT SMITH WB AIRPORT	ENE	20	6.3	34	W	11	81	90	54	52	1	3	1	0	1	0	6	64	5.1
LITTLE ROCK WB AIRPORT	NE	16	6.3	29	NW	29	88	93	57	67	6	1	2	2	0	0	11	70	5.2
TEXARKANA WB AIRPORT	NE	23	7.6	-	-	-	84	92	61	61	5	2	2	0	0	0	9	-	-

## EVAPORATION AND WIND

Station	Day of month																															Total or Avg.		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
<b>NORTH CENTRAL</b>																																		
MOUNTAIN HOME C OF ENG	EVAP	.22	.28	.22	.22	.04	.24	.22	.08	.20	.21	.17	.12	.22	.10	.10	.11	.05	.17	.17	.17	.16	.24	.21	.19	.18	.09	.18	.13	.20	.20	5.09		
	WIND	14	29	20	17	3	30	24	10	18	13	13	26	42	40	17	35	22	20	11	9	3	47	31	23	23	3	11	9	43	38	64.4		
	MAX	93	90	90	94	81	94	91	85	96	95	92	84	89	70	76	81	85	94	97	98	100	99	89	88	88	79	91	88	89	82	88.9		
	MIN	69	67	67	70	69	69	68	68	68	67	68	70	65	60	60	60	65	63	62	65	65	67	57	56	55	54	56	57	57	45	63.0		
<b>WEST CENTRAL</b>																																		
RUSSELLVILLE	EVAP	.31	.19	.14	.11	.12	.17	.00	.14	.14	.24	.18	.11	.07	.09	.17	.11	.14	.07	.20	.17	.23	.26	.23	.16	.21	.12	.16	.12	.21	.16	4.73		
	WIND	21	9	3	4	5	9	6	4	6	6	3	7	11	19	17	25	15	14	7	4	18	15	23	22	5	8	15	6	28	5	336		
	MAX	95	97	94	88	94	97	96	100	98	100	98	90	81	85	88	81	81	94	95	96	96	92	88	85	79	83	82	94	83	81	90.4		
	MIN	69	69	76	73	73	75	75	70	75	73	75	76	71	64	65	70	68	65	66	67	69	66	57	55	56	62	61	68	61	51	67.4		
<b>CENTRAL</b>																																		
BLAKELY MOUNTAIN DAM	EVAP	.20	.23	.17	.18	.13	.08	.14	.05	.19	.24	.22	.20	.05	.13	.08	.13	.05	.05	.17	.15	.18	.21	.23	.20	.18	.14	.13	.12	.10	.14	4.47		
	WIND	26	35	25	28	23	17	16	19	21	25	24	28	24	50	30	49	37	24	24	22	25	36	40	38	33	22	23	33	42	55	894		
NIMROD DAM	EVAP	.16	.16	.10	.10	.07	.07	.07	.05	.11	.12	.12	.12	.01	.07	.09	.05	.05	.04	.16	.12	.13	.15	.14	.11	.12	.09	.09	.06	.08	.11	2.92		
	WIND	17	17	8	8	5	5	7	4	6	8	9	16	3	20	12	18	19	8	13	10	10	23	25	20	19	11	12	9	10	18	370		
<b>EAST CENTRAL</b>																																		
STUTTGART 9 ESE	EVAP	.25	.22	.24	.44	.17	.19	.19	.11	.18	.20	.19	.26	.21	.14	.07	.11	.06	.12	.19	.17	.18	.22	.27	.17	.20	.18	.17	.09	.12	.17	5.48		
	WIND	33	28	33	65	25	24	28	31	14	14	10	40	41	65	30	45	36	24	14	8	13	37	56	37	31	13	28	28	54	63	966		
	MAX	96	97	100	102	96	100	100	87	99	102	102	99	88	78	78	82	81	84	97	97	96	95	-	85	85	87	86	82	83	75	91.0		
	MIN	67	67	71	73	73	76	74	73	73	77	75	75	72	64	65	67	69	69	69	69	68	66	-	51	57	57	61	65	62	50	67.4		
<b>SOUTHWEST</b>																																		
HOPE 3 NE	EVAP	.11	.35	.20	.27	.13	.18	.14	.39	.10	.15	.17	.32	.11	.21	.10	.06	.26	.00	.18	.23	.19	.18	.24	.19	.24	.12	.26	.12	.20	.25	5.65		
	WIND	3	6	11	26	25	16	13	10	9	11	11	24	32	27	14	25	19	12	12	9	10	16	31	18	17	14	15	20	31	71	558		
<b>NARROWS DAM</b>																																		
NARROWS DAM	EVAP	.17	.17	.18	.15	.19	.11	.17	.09	.13	.20	.18	.20	.07	.13	.07	.12	.05	.02	.16	.19	.19	.20	.23	.20	.21	.15	.12	.05	.11	.21	4.42		
	WIND	14	17	14	22	14	10	12	9	11	6	10	15	9	26	12	13	21	29	20	26	18	22	30	20	28	14	22	18	14	37	533		
	MAX	92	94	94	98	98	80	97	76	92	97	95	95	83	80	76	87	77	77	88	92	91	93	86	84	83	83	86	84	83	70	87.0		
	MIN	68	70	75	85	74	70	69	68	68	72	72	73	73	65	65	68	69	70	65	58	65	65	58	57	58	57	61	60	67	58	88.8		
<b>SOUTH CENTRAL</b>																																		
WARREN	EVAP	.23	.20	.23	.11	.31	.11	.05	.17	.19	.06	.26	.19	.12	.14	*	.03	.18	.04	.01	.27	.19	.05	.32	.15	.12	.17	.20	.08	.11	.11	4.40		
	WIND	2	2	2	1	0	1	0	0	0	0	1	0	1	0	0	0	0	5	6	5	6	5	4	5	19	9	14	11	13	4	3	14	122
	MAX	100	97	105	106	106	95	103	84	98	105	105	103	103	81	78	92	79	86	94	101	101	101	91	93	94	95	96	81	80	83	94.5		
	MIN	61	68	64	69	70	73	66	63	69	65	66	66	63	67	60	60	70	63	58	59	59	58	62	51	53	52	50	57	53	45	61.3		

MAX AND MIN IN ABOVE TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.





REFERENCE NOTES

Additional information regarding the climate of Arkansas may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for January 1957.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

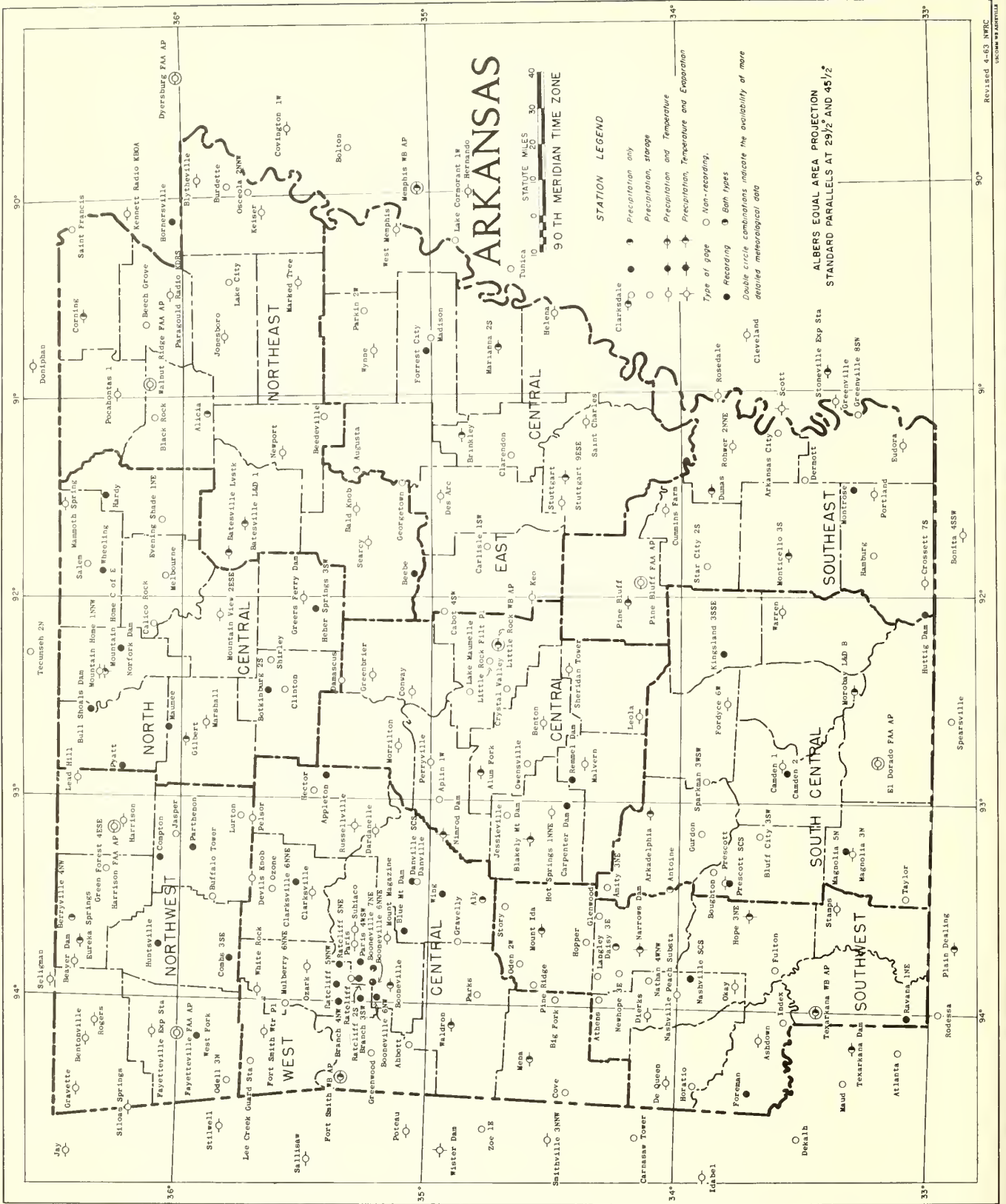
OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- \* Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

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# ARKANSAS

STATUTE MILES  
0 10 20 30 40  
90 TH MERIDIAN TIME ZONE

## STATION LEGEND

- Precipitation only
- Precipitation, storage
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation
- Type of page
- Non-recording
- Recording
- Both types
- Double circle combinations indicate the availability of more detailed meteorological data

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29 1/2 AND 45 1/2

U. S. DEPARTMENT OF COMMERCE

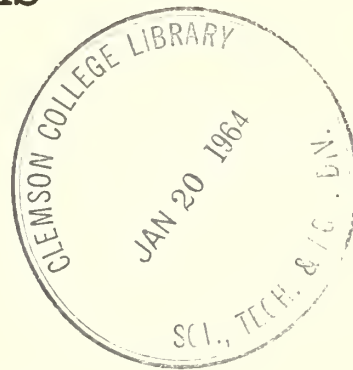
LUTHER H. HODGES, Secretary

WEATHER BUREAU

ROBERT M. WHITE, Chief

# CLIMATOLOGICAL DATA

## ARKANSAS



OCTOBER 1963

Volume 68 No. 10



ASHEVILLE: 1964

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 99° on the 8+ at 6 stations

Lowest Temperature: 24° on the 29th at Gravette

Greatest Total Precipitation: 1.52 inches at Hopper

Least Total Precipitation: 0.00 inch at 45 stations

Greatest One-Day Precipitation: 1.52 inches on the 17th at Hopper

SPECIAL WEATHER SUMMARY

October was a recordbreaking month both from the standpoint of high temperatures and the absence of precipitation. Fully 30 percent of the State received no measurable amount of rain whatsoever. The first half of October was virtually cloudless, and the period of very light showers reported on the 14th through the 16th ended rain-free periods in many areas dating well back into early September. The water shortage became acute in some communities. Except for favorable conditions for cotton harvesting, the protracted drought was damaging to the State.

A total of 885 grass and forest fires were reported during the month, burning 13,802 acres of land. Sixty to seventy percent of the fires occurred in the southern half of

the State. Late in the month a statewide ban was placed on all types of hunting except for bow and arrow. It was the warmest October on record in many areas with the average temperatures for the month ranging from 5° to 7° above normal.

R. O. Reinhold  
Weather Bureau State Climatologist  
Weather Bureau Airport Station  
P. O. Box 1819  
Little Rock, Arkansas

















# EVAPORATION AND WIND

Station	Day of month																															Total or Avg	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
<b>NORTH CENTRAL</b>																																	
MOUNTAIN HOME C OF ENG	EVAP	.13	.17	.17	.19	.18	.18	.16	.18	.15	.22	.20	.25	.17	.15	.17	.14	.11	.13	.16	.16	.15	.17	.14	.14	.13	.09	.11	.13	.20	.10	.20	4,93
	WIND	9	13	14	14	16	18	14	12	16	26	16	29	22	18	10	11	24	17	22	15	16	16	9	16	24	12	7	32	35	14	42	559
	MAX	85	80	82	84	81	81	82	85	82	81	82	82	82	82	83	80	77	81	79	80	78	78	78	72	82	84	79	78	69	61	62	79.1
	MIN	46	49	52	54	53	52	52	57	57	55	55	57	58	58	59	60	60	60	58	59	57	54	54	57	56	59	59	57	40	39	42	54.4
<b>WEST CENTRAL</b>																																	
RUSSELLVILLE	EVAP	.17	.14	.17	.23	.18	.20	.15	.13	.16	.22	*	.37	.15	.17	.13	.14	.12	.12	.12	.17	.14	.09	.12	.10	.09	.12	.12	.14	.15	.12	.10	4,53
	WIND	7	4	6	11	10	6	5	6	14	9	*	19	6	7	9	3	12	7	5	6	7	4	4	10	3	2	4	16	6	11	11	230
	MAX	84	86	89	87	87	86	90	91	87	86	-	-	86	93	83	84	83	83	83	83	81	81	80	79	79	79	80	78	71	65	73	82.7
	MIN	53	55	57	61	57	55	62	59	61	61	-	-	61	63	65	68	63	61	60	60	57	56	61	60	63	62	64	65	45	48	51	59.1
<b>CENTRAL</b>																																	
BLAKELY MOUNTAIN DAM	EVAP	.14	.10	.18	.10	.22	.13	.14	.15	.14	.19	.20	.20	.14	.14	.17	.11	.10	.10	.13	.09	.08	.10	.07	.08	.12	.09	.09	.10	.20	.13	.11	4,04
	WIND	22	18	22	22	22	23	17	17	19	16	18	22	25	18	25	21	22	11	4	18	21	23	22	6	21	11	11	27	49	25	32	630
	MAX	.09	.07	.08	.10	.13	.10	.06	.10	.10	.12	.12	.15	.12	.07	.09	.09	.04	.08	.09	.08	.09	.08	.06	.08	.08	.06	.07	.10	.08	.07	.07	2,72
	MIN	11	9	8	*	12	13	8	7	10	16	11	13	8	6	6	9	6	5	7	6	9	10	8	11	13	6	8	10	15	10	15	286
<b>EAST CENTRAL</b>																																	
STUITGART 9 ESE	EVAP	.18	.14	.16	.19	.22	.17	.17	.18	.16	.20	.24	.24	.20	.18	.18	.19	.19	.10	.18	.15	.19	.18	.13	.19	.14	.13	.11	.18	.36	.13	.23	5,59
	WIND	32	9	10	28	26	14	26	14	18	19	16	42	30	15	22	31	36	7	20	10	18	18	13	36	43	15	9	34	84	24	82	801
	MAX	79	85	89	89	87	88	89	89	90	-	-	100	97	102	100	100	105	104	106	108	94	92	102	102	108	110	85	80	64	62	66	92.1
	MIN	49	53	61	61	58	58	62	64	64	60	60	59	59	62	65	64	62	61	60	60	57	47	56	59	61	61	62	59	42	42	42	57.7
<b>SOUTHWEST</b>																																	
HOPE 3 NE	EVAP	.08	.36	.11	.14	.22	.20	.18	.16	.19	.21	.22	.17	.34	.15	.32	.16	.36	.06	.11	.12	.18	.07	.28	.20	.08	.14	.13	.14	.19	.13	.22	5,62
	WIND	15	12	14	21	14	14	15	12	13	11	25	22	28	16	23	22	14	15	15	16	20	19	15	15	12	9	10	21	39	19	58	574
	MAX	.21	.14	.16	.15	.16	.22	.19	.15	.20	.19	.17	.25	.22	.16	.19	.16	.17	.14	.18	.15	.17	.18	.14	.13	.13	.16	.12	.07	.16	.12	.18	5,12
	MIN	60	81	83	85	86	85	84	86	87	86	85	94	87	84	85	84	84	81	82	81	80	79	79	76	77	78	77	80	75	69	68	80.9
	MIN	50	51	51	53	62	58	58	59	60	62	62	54	54	58	58	60	63	58	57	56	53	53	53	59	60	60	59	58	43	45	49	56.0
<b>SOUTH CENTRAL</b>																																	
WARREN	EVAP	.05	.24	.13	.18	.15	.09	.16	.22	.05	.17	.16	.18	.19	.18	.17	.06	.11	.17	.06	.23	.06	.18	.10	.35	.14	.09	.07	.07	.10	.10	.10	4,31
	WIND	11	7	5	10	9	8	13	7	11	10	7	21	29	11	11	14	8	6	9	7	10	12	8	15	20	5	8	7	16	15	36	366
	MAX	85	88	91	94	95	95	95	95	94	92	92	91	91	91	92	87	85	85	82	90	87	85	85	87	88	88	84	75	63	80,0	80,0	
	MIN	44	43	50	54	54	53	54	55	54	51	51	51	52	53	55	55	54	52	51	58	52	52	47	50	52	53	60	54	37	35	33	50,6

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.

See reference notes following Station Index.

STATION INDEX

ARKANSAS 1963

Main table with columns: STATION, COUNTY, DRAINAGE I, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER, STATION, COUNTY, DRAINAGE I, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER. Includes sub-sections for CLOSED STATIONS and NEW STATIONS.

\* DRAINAGE CODE: 1. ARKANSAS 2. MISSISSIPPI 3. QUACHITA 4. RED 5. SAINT FRANCIS 6. SALINE 7. WHITE

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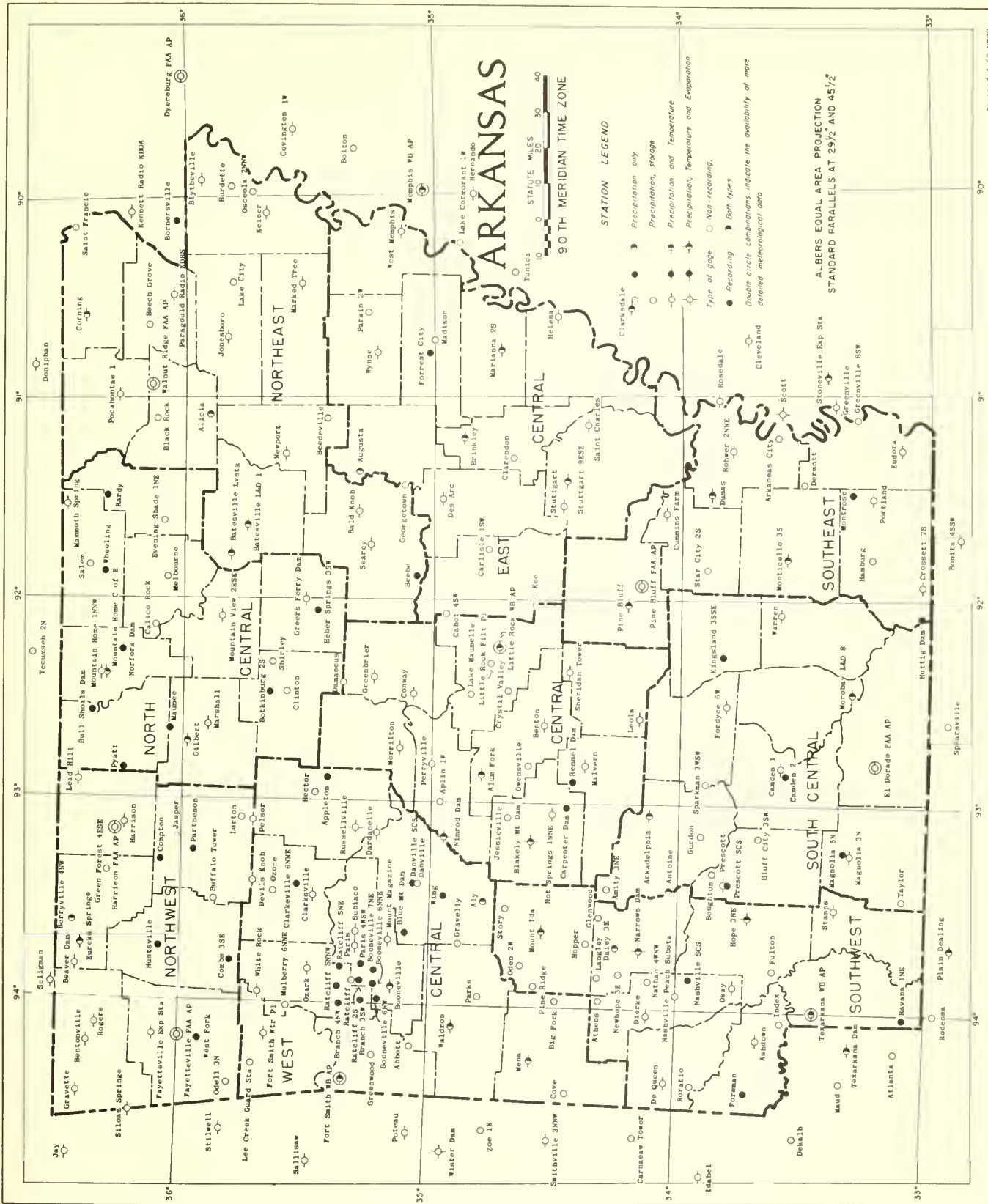
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- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- \* Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
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USCOMM-WB-ASHEVILLE--- 1-6-64 --- 900



# ARKANSAS

STATUTE MILES  
0 10 20 30 40

### STATION LEGEND

- Precipitation only
  - Precipitation, storage
  - ◐ Precipitation and Temperature
  - ◑ Precipitation, Temperature and Evaporation
  - Type of gage
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ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29½ AND 45½









U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

ROBERT M. WHITE, Chief

# CLIMATOLOGICAL DATA

## ARKANSAS

NOVEMBER 1963

Volume 68 No. 11























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+ And also on an earlier date or dates.

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# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the

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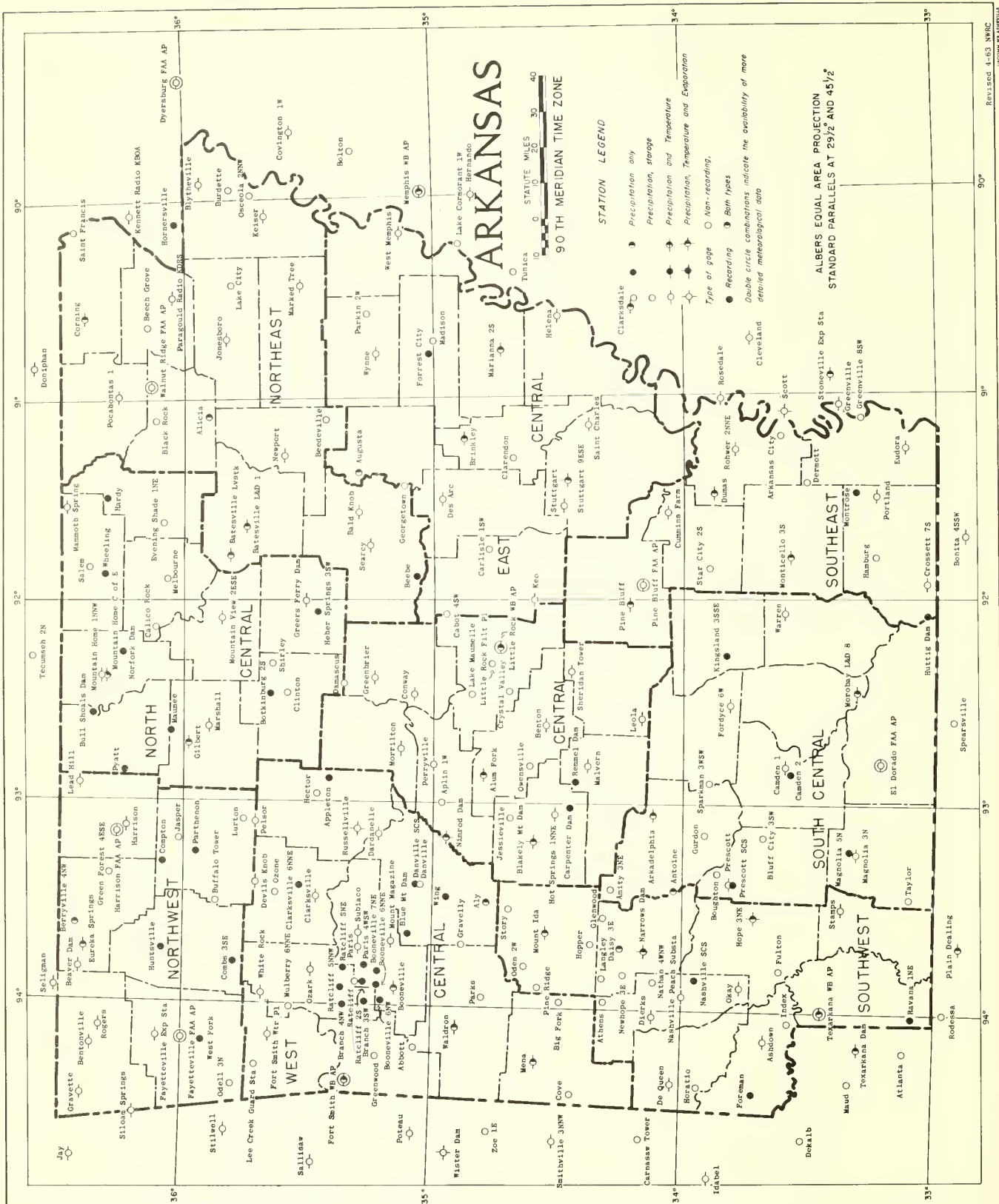
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STATUTE MILES

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STANDARD PARALLELS AT 29 1/2° AND 45 1/2°

U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
ROBERT M. WHITE, Chief

# CLIMATOLOGICAL DATA

## ARKANSAS

DECEMBER 1963  
Volume 68 No. 12



TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 74° on the 6th at Ozark, and on the 7th at Mountain Home 1 NNW

Lowest Temperature: -14° on the 23d at Fayetteville FAA AP

Greatest Total Precipitation: D 6.09 inches at Rohwer 2 NNE

Least Total Precipitation: 0.99 inch at Fayetteville Exp Sta

Greatest One-Day Precipitation: 4.44 inches on the 11th at Stamps

Greatest Reported Total Snowfall: 15.8 inches at Warren

Greatest Reported Depth of Snow on Ground: 14 inches on the 23d at Saint Charles

SPECIAL WEATHER SUMMARY

Two unusual early season snowstorms took place during the last half of the month. A Gulf Coast low produced a 2-to 5-inch snow cover in the extreme southern counties on the afternoon and night of the 20th. A recordbreaking 18-to 24-hour snow began early on Sunday the 22d and the entire State was blanketed by snow. Many new records were established, particularly in the southeast half of the State where over 6-inch accumulations were reported. From the west Memphis area southward along the Mississippi River 11-to 13-inch accumulations were reported, completely paralyzing traffic. Falling temperatures, accompanied by wind, piled up 3-foot drifts

in east-central counties. Extreme cold immediately followed this storm and zero or subzero minimum temperatures were reported from all sections of the State by the morning of the 24th. Many readings were the lowest since December of 1917.

R. O. Reinhold  
Weather Bureau State Climatologist  
Weather Bureau Airport Station  
Adams Field  
Little Rock, Arkansas 72202





# CLIMATOLOGICAL DATA

ARKANSAS  
DECEMBER 1963

CONTINUED

Station	Temperature										Precipitation													
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days			
										90° or Above	32° to 89°	Between 32° and 60°	61° to 90°					Total	Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
EAST CENTRAL 06																								
ARKANSAS POST	45.7	23.3	34.5		68	7	- 6	24	939	0	3	24	1	4.60		2.50	11	13.3				4	3	2
BRINKLEY	43.1	19.5M	31.3M	-12.5	65	7	- 7	24	1039	0	7	29	2	3.10		1.44	11	13.0	11	23		4	3	1
OES ARC	43.3M	24.4M	33.9M		64	7	- 6	24	976	0	5	24	0	2.57		1.64	11	11.0				3	1	1
FORREST CITY	43.0	23.0	33.0	-12.1	65	7	- 4	24	985	0	6	27	0	3.50	- 1.23	1.90	11	13.0	13	24		4	2	1
HELENA	45.4	24.1	34.8		67	7	- 4	24	931	0	4	26	1	3.15		2.24	11		8	23		5	1	1
KEO	43.4	22.8	33.1	-10.9	64	7	- 8	24	982	0	4	26	1	3.69	- .92	2.22	11	12.0	12	23		5	2	1
MARIANNA 2 S	45.1M	22.9M	34.0M		66	8	- 1	24	954	0	3	25	1	3.76		2.15	11	14.0	14	23		3	3	1
SAINTE CHARLES																								
STUTTGART																								
STUTTGART 9 ESE	42.5	21.7	32.1		65	8	- 6	24	1010	0	6	28	1	3.68		2.01	11	12.5	11	23		5	3	1
WEST MEMPHIS	42.2	25.2	33.7		64	6	- 4	24	964	0	7	24	0	3.60		2.00	11	13.0				3	2	2
WYNNE	41.9	19.1M	30.5M		64	6	- 3	24	1061	0	8	30	2	3.35		1.81	11	10.0				3	3	1
DIVISION 06																								
			33.1	-11.0										3.50	- .93			12.4						
SOUTHWEST 07																								
DE QUEEN	49.0	24.8	36.9		70	7	- 5	23	863	0	3	26	1	3.47		2.48	11	5.0	5	23		5	1	1
OIERKS	49.2	22.7	36.0		70	7	- 4	24	896	0	3	26	0	2.50		1.53	11	4.7	5	23		5	1	1
HOPE 3 NE	49.9M	24.3M	37.1M	- 8.1	69	8	- 3	23	838	0	4	27	0	3.72	- .74	2.20	10	6.8				5	2	1
MOUNT IDA	49.3	21.6	35.5	- 7.2	70	5	- 0	24	909	0	3	26	1	1.80	- 2.81	1.15	11	6.0	5	23		4	1	1
NARROWS DAM	48.7	21.3M	35.0M		69	6	- 4	23	926	0	5	30	0	2.45		1.45	11	5.0	5	23		4	2	1
NASHVILLE PEACH SUBSTA																								
OKAY	47.6	24.1	36.0		68	8	- 6	24	894	0	4	28	0	2.82		1.82	11	4.5	5	23		4	1	1
STAMPS	50.8	25.4	38.1	- 9.1	71	7	- 5	24	827	0	2	26	0	3.00	- 1.28	2.05	11	8.3	8	23		6	3	1
TEXARKANA WB AIRPORT //R	48.8	27.7	38.1		70	7	- 5	23	828	0	4	24	0	5.73		4.44	11	7.7	7	23		4	3	1
	48.0	29.2	38.6	- 8.3	70	7	- 10	23	811	0	4	20	0	3.63	- .92	2.30	10	5.3	5	23		4	2	1
DIVISION 07																								
			36.8	- 8.2										3.24	- .85			5.6						
SOUTH CENTRAL 08																								
ARKADELPHIA	47.0	25.0	36.0		67	7	- 3	23	891	0	4	27	0	3.52	- 1.06	1.75	10	8.0				3	3	1
CAMDEN 1	49.4	25.8	37.6	- 8.4	70	7	- 1	24	843	0	4	26	0	5.25	.11	3.70	11	14.5	7	23		5	3	1
EL DORADO FAA AIRPORT	47.5	23.5	35.5	-12.1	70	7	- 4	24	906	0	5	28	2	4.64	- .91	2.36	10	8.5				5	2	2
FORDYCE 6 W	45.3M	24.2M	35.1M		68	7	- 6	24	821	0	5	27	0	4.93		3.03	11	14.0						
MAGNOLIA 3 N	50.1	26.5	38.3	-10.1	70	7	- 2	24	821	0	2	24	0	4.90	- .28	3.20	11	12.6				5	2	1
MOROBAY LOCK AND DAM 8																								
PRESCOTT	48.0	22.7M	35.4M		68	8	- 0	24	920	0	4	26	1	4.74		2.88	11	10.0	10	23		5	2	1
SPARKMAN 3 WSW	47.3	27.8	37.6	- 8.4	68	7	- 6	23	842	0	3	22	0	3.00	- .39	2.12	11	8.3	8	23		6	3	1
WARREN	48.4M	23.4M	36.2M		69	7	- 2	24	827	0	3	26	1	5.45		2.35	11	9.5				3	3	1
	47.7	26.5	37.1	-10.3	68	7	- 0	24	858	0	3	23	1	5.65		3.61	11	15.8	11	23		6	2	1
DIVISION 08																								
			36.5	- 9.8										4.61	- .23			11.2						
SOUTHEAST 09																								
CROSSETT 7 S	48.8	26.5	38.7	- 8.6	70	7	- 6	24	810	0	2	22	0	4.15	- 1.50	1.89	11		7	22		7	3	1
CUMMINS FARM		22.8												3.91		2.60	11	10.5	11	22		4	2	1
DERMOTT 3 NE	44.7	25.5	35.2		69	7	- 3	24	914	0	3	24	1	5.22		3.56	11	10.0				5	3	1
OUMAS	44.7	25.0	34.9	-11.4	68	7	- 2	24	927	0	3	26	1	5.45	.19	3.05	11	10.0	10	23		5	3	2
EUORA	47.2	27.8	37.5		71	7	- 5	24	845	0	4	22	0	3.51		2.00	11	7.5				8	1	1
MONTICELLO 3 S																								
PINE BLUFF	47.0	24.9	37.0	- 9.6	68	7	- 7	24	862	0	3	25	0	3.44	- 1.39	2.01	11					4	2	1
PINE BLUFF FAA AIRPORT	44.4	24.0	35.2		68	7	- 2	24	817	0	4	23	1	3.75		2.08	10	12.2	12	23		4	2	2
PORTLAND	46.0	24.5	35.3	-12.2	69	8	- 3	24	815	0	3	26	0	4.47	- .46	1.75	11	12.5				6	6	2
ROHWER 2 NNE	44.9	24.5	34.7		68	7	- 4	24	834	0	2	26	1	6.09		4.17	11	11.3	10	23		7	2	1
DIVISION 09																								
			36.1	-10.4										4.44	- .57			10.6						

See Reference Notes Following Station Index

DAILY PRECIPITATION

ARKANSAS  
DECEMBER 1963

Table with columns: Station, Total, Day of Month (1-31). Rows include stations such as BEAVER DAM, BENTONVILLE, BERRYVILLE 4 NW, etc., with corresponding precipitation values.

See reference notes following Station Index









# SNOWFALL AND SNOW ON GROUND

ARKANSAS  
DECEMBER 1963

Station	Day of month																																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
NORTHWEST 01																																	
EUREKA SPRINGS																						7.0											
FAYETTEVILLE FAA AP												T										4.0											
GRAVETTE																						5.5											
HARRISON FAA AIRPORT											T	T										5.5											
ROGERS																						5.0											
NORTH CENTRAL 02																																	
GILBERT																						1.5	4.3										
MAMMOTH SPRING																																	
NORTHEAST 03																																	
BATESVILLE L AND O #1																						T	6.0										
CORNING																							6.0										
JONESBORO												T											7.8										
MARKEO TREE																							8.0										
NEWPORT																							6.0										
SEARCY																							T	7.0									
WALNUT RIDGE FAA AP																							6.0	1.0									
WEST CENTRAL 04																																	
DEVILS KNOB																							4.0										
FORT SMITH WB AIRPORT												T											4.0	T									
MENA																																	
OSARK																							1.3	4.3									
RUSSELLVILLE																							4.0	0.8									
WALORON																																	
CENTRAL 05																																	
CONWAY																							T	5.0									
HOT SPRINGS 1 NNE																							3.5	0.5									
LITTLE ROCK WB AIRPORT													T										9.8	T									
EAST CENTRAL 06																																	
BRINKLEY																																	
MARIANNA 2 S																																	
STUTTGART 9 ESE																																	
SOUTHWEST 07																																	
OE QUEEN																																	
MOUNT IOA																																	
TEXARKANA WB AIRPORT												T	T																				
SOUTH CENTRAL 08																																	
CAMDEN 1																																	
EL DORADO FAA AIRPORT																																	
MAGNOLIA 3 N																																	
PRESCOTT																																	

See reference notes following Station Index.



# SNOWFALL AND SNOW ON GROUND

ARKANSAS  
DECEMBER 1963

Continued

Station		Day of month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
SOUTHEAST 09																																		
CROSSETT 7 S	SNOWFALL SN ON GND														T							-	-	-	6	5	3	2	T	T	T			
DUMAS	SNOWFALL SN ON GND																						0.5	9.5		9	7	4	2	1	T	T	T	
PINE BLUFF FAA AIRPORT	SNOWFALL SN ON GND																				0.2		12.0	T	T	6	3							

# EVAPORATION AND WIND

Station		Day of month																															Total or Avg		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
WEST CENTRAL 04																																			
RUSSELLVILLE	EVAP WIND MAX MIN	.09 9 51 32	.08 24 62 40	.03 8 60 31	.07 19 61 31	.05 25 63 31	.03 22 62 32	.05 20 68 37	.07 18 67 41	.13 22 74 35	.01 24 40 30	.03 32 42 39	*	.02 6 41 36	.10 10 42 33	.02 11 40 33	.05 17 - -	.01 7 - -	.04 21 - -	.04 9 - -	.05 30 - -	-	-	-	8	16	-	4	2	7	7	7	14	8	516
CENTRAL 05																																			
BLAKELY MOUNTAIN DAM	EVAP WIND	* 45	.09 35	* 48	* 21	* 27	* 12	.31 11	.08 60	* 71	.15 33	.03 52	-	66	21	71	29	19	14	36	43	26	45	52	89	30	13	17	20	16	15	27	28	1092	
NIMROD DAM	EVAP WIND	.04 14	.04 10	.02 12	.02 4	.03 8	.03 1	.03 1	.06 31	* 49	* 15	.16 34	-	20	4	10	4	10	11	13	22	*	27	24	1	5	4	7	12	3	5	8	12	391	
EAST CENTRAL 06																																			
STUTTART 9 ESE	EVAP WIND MAX MIN	* 88 - -	.24 126 55 36	* 75 - -	* 49 - -	* 53 - -	.31 22 59 39	.10 95 57 38	.22 155 61 37	* 197 - -	* 53 - -	.35 66 51 35	.07 94 44 37	-	38	102	47	124	17	51	66	28	83	83	67	49	44	63	25	23	8	76	63	2118	
SOUTHWEST 07																																			
HOPE 3 NE	EVAP WIND	.07 0	.08 0	.07 0	.13 8	.10 6	.07 14	.09 8	.04 24	.04 65	-	-	-	.06 10	.09 63	*	51	10	9	.10 25	.18 13	.19 3	*	*	*	*	*	*	*	.20 2	.02 2	*	.08 0	-	1.858 478
SOUTH CENTRAL 08																																			
WARREN	EVAP WIND MAX MIN	.13 26 53 38	- 31 56 42	.19 17 65 30	.06 27 62 30	.04 9 64 30	.03 8 65 30	.08 31 51 39	.16 100 59 38	.18 36 55 29	.01 4 58 31	- 40 42 38	- 17 51 31	- 8 40 31	.21 32 46 37	-	*	14	13	14	19	12	25	39	34	7	5	35	3	51	17	12	19	24	729

MAX AND MIN IN ABOVE TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.

See reference notes following Station Index.

# CLIMATOLOGICAL DATA

ARKANSAS  
DELAYED DATA

CONTINUED

Station	Temperature										Precipitation														
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days				
										90° or Above	32° or Below	32° or Below	31° or Below					0° or Below	Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More	
																									Max.
FEBRUARY 1962																									
BLYTHEVILLE	56.3	36.2	46.3	3.3	80	13	20	6	524	0	0	8	0	7.98	3.65	1.75	24	T	0			9	7	4	
APRIL 1963																									
MOUNTAIN VIEW 2 ESE	75.3	52.6	64.0		87	22	39	24	103	0	0	0	0	.92		.41	25	.0	0			3	0	0	
JUNE 1963																									
WYNNE	90.4M	65.5M	78.0M						60	3	0	16	0	4.00		1.16	28	.0	0			7	4	1	
JULY 1963																									
MOUNTAIN VIEW 2 ESE	90.1	67.1	78.6		101	20	51	10	0	16	0	0	0	4.43		1.73	30	.0	0			6	4	1	
AUGUST 1963																									
MARKEO TREE	91.5	67.5	79.5	- 0.4	100	28	53	16	0	20	0	0	0	1.44	- 1.62	.53	30	.0	0			4	1	0	
NIMROO DAM	95.7	67.0	81.4		106	27	52	16	0	27	0	0	0	.21		.10	13	.0	0			1	0	0	
SPARKMAN 3 WSW	90.3M	63.1M	76.7M		98	28+	48	16	0	19	0	0	0	.48		.34	30	.0	0			2	0	0	
SEPTEMBER 1963																									
FAYETTEVILLE EXP STA	85.2	60.2	72.7	1.3	93	10+	37	30	8	7	0	0	0	1.22	- 2.88	.52	4	.0	0			5	1	0	
MOUNTAIN VIEW 2 ESE	83.7	57.6	70.7		94	20	36	30	19	9	0	0	0	1.32		.65	8	.0	0			2	2	0	
OCTOBER 1963																									
MENA	85.3	55.7	70.5	6.5	95	8	43	29	16	10	0	0	0	.04	- 3.76	.04	25	.0	0			0	0	0	

## DAILY PRECIPITATION

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
FEBRUARY 1962																																	
BLYTHEVILLE	7.98								T	.68							.60		.10			.23	T	1.16	1.75		1.15	1.60	.71				
APRIL 1963																																	
MOUNTAIN VIEW 2 ESE	.92			T																	T					.41		.30	.21				
JUNE 1963																																	
WYNNE	4.00										.33						.69	.50			.22	.13					.97		1.16				
JULY 1963																																	
GREEN FOREST 4 ESE	2.33	.13		.16																	.51		.21								1.20	.12	
MOUNTAIN VIEW 2 ESE	4.43								.93					.10										.53	.15						.93	1.73	.06
AUGUST 1963																																	
MARKED TREE	1.44		T						.29					.06							T	.30				.26		T		.02	.53		
NIMROO DAM	.21					.01			.06	.03		.10		.06								.30				.26		T		.02	.53		
ODEN 2 W	2.45					.01			.51	.58	.01	.72	.06	.02	.03										.01	.25	.24				.34	T	
SPARKMAN 3 WSW	.48																																
SEPTEMBER 1963																																	
FAYETTEVILLE EXP STA	1.22		T	.52	.28		.16					.02	.10	.14																			
LITTLE ROCK FILT PLANT	1.48			.72			.55																										
MOUNTAIN VIEW 2 ESE	1.32								.65																					.13	.08	.07	
NATURAL DAM	5.88			4.34	.06	.60		.10				.03	1.17	.03												.02	.13						
OCTOBER 1963																																	
CARLISLE 1 SW	.00																																
MENA	.04																									.04		T					

See Reference Notes Following Station Index



# DAILY SOIL TEMPERATURES

ARKANSAS  
DELAYED DATA

STATION AND DEPTH		Day of month																														Average		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	
WARREN																																		
JANUARY 1963																																		
4 INCHES	MAX	49	47	52	51	51	54	49	49	51	58	55	48	44	39	38	39	45	50	54	44	42	48	46	38	37	38	38	36	39	42	44	45.6	
	MIN	40	44	39	44	47	49	45	42	41	43	42	44	38	36	35	34	33	36	40	40	39	34	38	36	34	34	33	34	34	34	37	38.7	
FEBRUARY 1963																																		
4 INCHES	MAX	52	55	46	44	49	52	46	47	50	49	46	45	46	50	48	47	50	43	53	55	46	47	50	54	56	55	54	57			49.7		
	MIN	38	41	40	39	38	37	41	45	41	45	44	38	37	35	36	34	41	43	41	43	38	38	36	45	42	41	38			39.9			
MARCH 1963																																		
4 INCHES	MAX	54	65	65	65	61	63	66	61	66	62	62	70	70	66	56	70	70	69	73	69	67	68	67	70	67	71	68	73	73	77	76	67.1	
	MIN	49	46	51	61	60	49	48	50	46	51	49	55	56	53	52	51	50	63	63	56	53	51	44	55	58	57	54	57	60	63	53.6		
APRIL 1963																																		
4 INCHES	MAX	76	77	78	73	79	62	72	72	75	71	70	75	74	74	76	75	77	78	78	81	79	79	72	72	72	72	75	77	78		74.9		
	MIN	61	63	64	59	59	55	54	52	56	62	63	60	58	55	61	61	62	60	63	67	63	66	65	66	61	61	63	62	63	64	61.0		
JUNE 1963																																		
4 INCHES	MAX	89	89	88	87	89	89	89	90	92	92	94	91	94	93	93	92	90	86	85	86	86	87	92	92	88	89	89	91	88	90	89.7		
	MIN	69	70	70	70	69	79	79	80	81	81	76	76	78	73	79	84	78	73	74	75	73	75	81	79	79	64	79	78	78	78	69.1		

SLOPE OF GROUND: LEVEL AT STATION, GENTLY ROLLING VICINITY. SOIL TYPE: SANDY LOAM. GROUND COVER: GRASS. INSTRUMENTATION: PALMER SOIL THERMOMETERS. MAX AND MIN FOR 24 HOURS ENDING AT 7 A. M.

## SNOWFALL AND SNOW ON GROUND

Station		Day of month																																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
FEBRUARY 1962																																			
BLYTHEVILLE	SNOWFALL SN ON GND																																		
JANUARY 1963																																			
PINE BLUFF FAA AIRPORT	SNOWFALL SN ON GND																																		



REFERENCE NOTES

Additional information regarding the climate of Arkansas may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Adams Field, Little Rock, Arkansas 72202 or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data will be carried in the July issue of this bulletin.

Stations appearing in the index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for January 1957.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 68° F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.

G "Soil Temperature" Table.

H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.

J "Supplemental Data" Table.

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

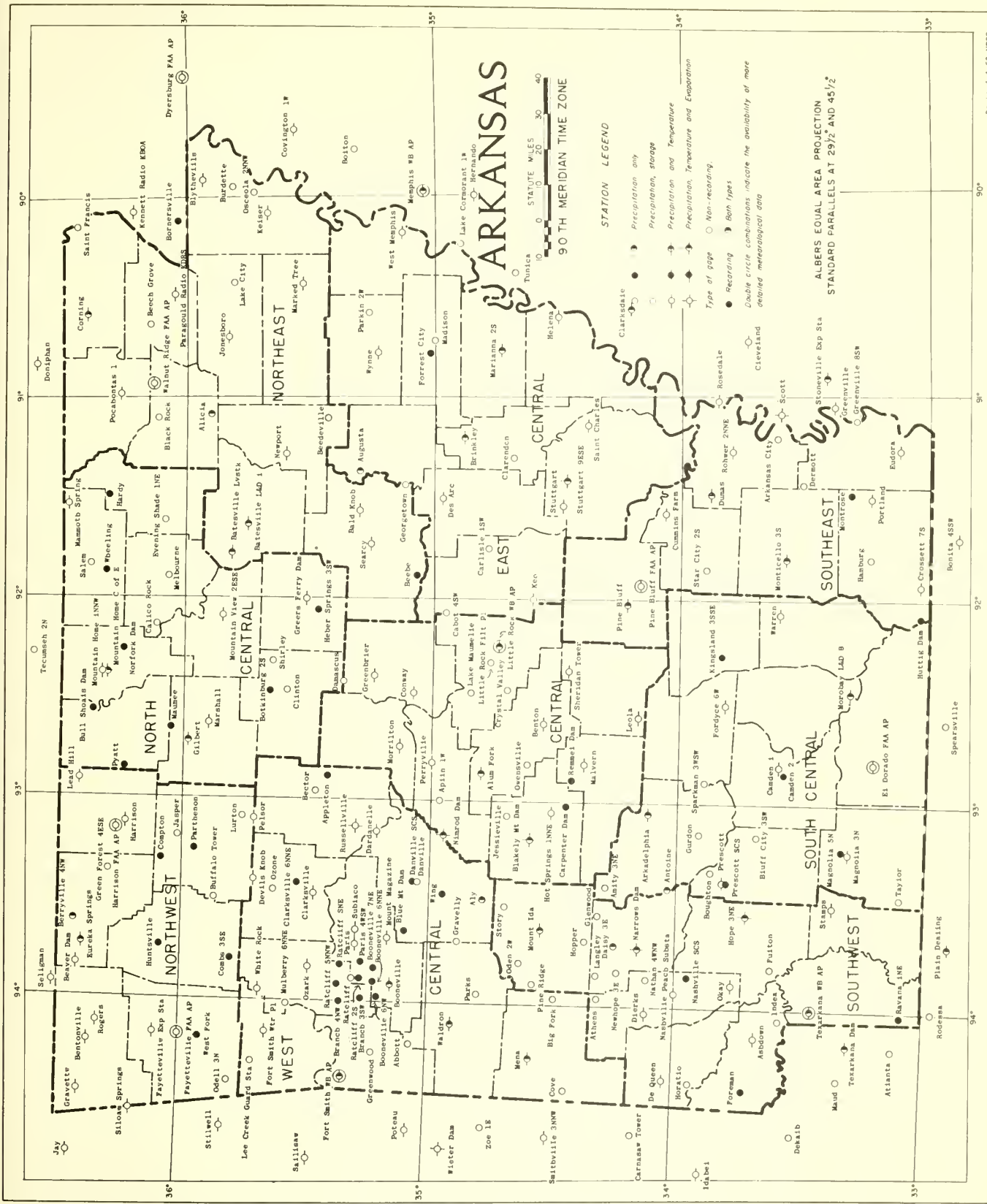
T Trace, an amount too small to measure.

V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STDRM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1988 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. for 48 cents. Similar information for regular Weather Bureau stations may be found in the 1961 annual issues of Local Climatological Data, obtained as indicated above, price 13 cents.

Subscription Price: 20 cents per copy, monthly and annual, \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.



# ARKANSAS

90 TH MERIDIAN TIME ZONE

### STATION LEGEND

- Precipitation only
  - Precipitation, storage
  - Precipitation and Temperature
  - Precipitation, Temperature and Evaporation
  - Type of gage
  - Non-recording
  - Recording
  - Both types
- Double circle combinations indicate the availability of more detailed meteorological data

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29 1/2 AND 45 1/2









U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
ROBERT M. WHITE, Chief

# CLIMATOLOGICAL DATA

ARKANSAS

ANNUAL SUMMARY 1963

Volume 68      No. 13



VERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

ARKANSAS 1963

Table 1

Table with columns for Station, January-December, and Annual, and rows for various locations such as Northwest 01, North Central D2, Northeast 03, West Central 04, and Southwest 07. Each cell contains temperature and departure values.

See reference notes following Station Index.

# AVERAGE TEMPERATURES AND DEPARTURES FROM 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
STAMPS	-	-	-	-	-	-	-	-	73.2M	1.7	79.9	1.8	81.3	- 0.3	81.3M	0.9	74.6	- 0.4	70.9	- 0.4	56.7M	4.0	38.1	- 8.3	-	-
TEXARKANA WB AIRPORT	37.4	- 7.7	44.5	- 4.0	60.3	5.4	66.9	3.0	73.3	1.7	81.2	1.8	82.3	- 0.3	87.5	0.9	76.1	- 0.4	72.3	6.2	57.7	4.0	38.6	- 8.3	64.5	0.2
DIVISION	36.1	- 7.5	42.7	- 4.0	57.8	4.6	65.4	2.7	71.6	1.5	79.2	1.1	80.8	- 0.7	81.6	0.3	74.8	0.0	70.1	5.7	55.5	3.9	36.5	- 8.2	62.7	- 0.1
SOUTH CENTRAL 08																										
ARKAOELPHIA	37.0		43.3		59.6		66.2		71.9		79.2		80.3		81.2		75.2		71.3		55.5		36.0		63.1	
CAMDEN 1	38.7	- 6.0	45.1	- 2.8	60.3	5.8	67.7	3.8	73.4	1.8	80.3	0.9	82.1	- 0.3	82.6	0.7	75.5	- 0.0	70.0	5.1	56.1	3.5	37.6	- 8.4	64.1	0.3
EL DORADO FAA AIRPORT	37.3	- 9.2	43.2	- 6.2	58.9	3.3	66.5	2.0	72.8	0.6	80.2	0.2	80.7	- 2.0	81.1	- 1.4	74.1	- 2.5	69.0	2.8	54.4	0.3	35.5	- 12.1	62.8	- 2.0
FORDYCE 6 W	38.3		43.5		60.1		66.4		73.0		80.0		81.1		82.2		75.0		72.3		54.8		35.1M		63.5	
MAGNOLIA 3 N	39.4	- 8.0	45.0	- 5.1	60.3	4.0	67.0	2.2	71.6	- 0.5	78.5	- 1.1	79.4	- 3.1	81.5	- 1.0	73.8	- 2.9	69.8	3.1	56.1	1.6	38.3	- 10.1	63.4	- 1.7
MOROBAY LOCK AND OAM 8	36.2		41.2		58.2		66.3		71.4		79.3		80.5		81.4		74.1		68.9		54.4		35.4M		62.2	
PRESCOTT	35.6	- 9.0	41.2	- 6.5	56.7	2.0	63.7	- 0.4	70.6	- 1.3	79.0	- 0.8	81.5M	- 1.6	83.3	0.5	75.3	- 1.1	71.6	5.6	56.3	3.3	37.6	- 8.4	62.7	- 1.5
SPARKMAN 3 WSW													79.2		76.7M						52.9M		36.2M			
WARREN	38.5	- 7.5	44.3	- 4.9	59.8	4.0	66.8	2.1	72.4	0.2	80.0	0.1	80.8	- 2.0	81.5	- 1.0	74.6	- 1.7	70.9	4.8	56.7	2.8	37.1	- 10.3	63.6	- 1.1
DIVISION	37.6	- 7.4	43.4	- 4.7	59.2	4.5	66.3	2.5	72.1	0.7	79.6	0.4	80.6	- 1.8	81.9	- 0.2	74.7	- 1.2	70.5	4.9	55.2	2.2	36.5	- 9.8	63.1	- 0.9
SOUTHEAST 09																										
CROSSETT 7 S	39.8	- 6.5	44.7	- 4.5	60.7	5.2	67.5	3.7	72.6	1.4	79.7	1.0	81.0	- 0.3	81.5	0.2	74.9	- 1.0	70.9	5.3	57.0	3.3	38.7	- 8.6	64.1	- 0.1
CUMMINS FARM	36.7		41.4		58.6		65.3		71.6		78.9		78.6		78.6		71.9		66.4							
DERMOTT 3 NE															79.9		72.8		68.4		55.0		35.2			
OUMAS	36.6	- 8.7	42.3	- 5.5	58.8	4.2	66.0	2.2	72.8M	0.9	79.9	- 0.2	80.1	- 2.9	80.8	- 1.6	74.0	- 1.4	70.0	4.8	55.2	2.2	34.9	- 11.4	62.6	- 1.5
EUDORA	40.1		45.2		62.7		68.5		72.8M		80.8		81.0		82.0		75.6		71.5M		57.5		37.5			
MONTICELLO 3 S	36.5M		41.4		56.1M				71.7		78.9		80.0		79.4M		73.4M		70.2		54.8M		37.8M			
PINE BLUFF	39.4	- 5.7	44.0	- 4.0	60.4	5.6	67.3	2.8	72.8	0.8	79.8	- 0.1	81.6M	- 1.5	81.6	- 1.6	74.9	- 2.0	71.3	5.0	57.0	3.3	37.0	- 9.6	63.9	- 0.6
PINE BLUFF FAA AIRPORT	36.8		41.4		59.6		66.2		73.4		80.8		80.9		81.2		74.4		70.6		54.6		35.2		62.9	
PORTLAND	37.0	- 9.0	40.2	- 8.5	57.8	2.7	65.4	1.5	71.9	0.3	78.7	- 0.4	78.5	- 3.2	79.6	- 1.6	72.7	- 2.5	-		55.5	1.9	35.3	- 12.2	-	-
ROHWER 2 NNE	37.4		43.2		58.5M		66.7		72.3		79.1		79.5		79.6		73.2		68.4		56.0M		34.7		62.4	
DIVISION	37.9	- 7.5	42.6	- 5.7	59.2	4.5	66.6	2.6	72.4	0.9	79.6	0.3	80.2	- 1.8	80.4	- 1.8	73.8	- 1.8	69.7	4.5	56.0	2.9	36.1	- 10.4	62.9	- 1.0

A Special Weather Summary describing unusual weather in 1963 was included in the January, April, July, October, and December issues of this publication.

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

ARKANSAS 1963

Table 2

Main data table with columns for Station, Month (Jan-Dec), and Annual, and rows for various locations like BEAVER DAM, BENTONVILLE, BERRYVILLE, etc.

See reference note following Station Index.







Table 3—Continued

## TEMPERATURE EXTREMES AND FREEZE DATA

ARKANSAS  
1963

Station	Highest	Date	Lowest	Date	Last spring minimum of										First fall minimum of										Number of days between dates				
					16° or below		20° or below		24° or below		28° or below		32° or below		32° or below		28° or below		24° or below		20° or below		16° or below		16° or below	20° or below	24° or below	28° or below	32° or below
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.							
NARROWS DAM	106	8-27	1	1-24+	2-23	10	2-23	10	3-7	24	3-22	27	3-27	30	10-29	31	11-2	27	11-14	19	11-14	19	12-15	12	295	264	252	225	216
NASHVILLE PEACH SUBSTA	104	8-27	0	1-24	2-22	12	2-22	12	3-6	23	3-6	23	3-23	30	11-2	31	11-14	19	11-14	19	11-14	19	12-15	11	296	265	253	253	224
OKAY	106	8-27+	5	12-24+	2-22	15	2-22	15	2-23	23	2-24	26	3-7	31	11-2	29	11-13	26	11-14	20	11-14	20	12-15	13	296	265	264	262	240
STAMPS	103	8-28	-	-	-	-	-	-	-	-	-	-	-	-	11-2	30	11-14	24	11-14	24	12-15	15	12-15	15	-	-	-	-	-
TEXARKANA WB AIRPORT	102	8-26	6	1-24	1-28	13	2-22	19	2-22	19	2-22	19	3-6	32	11-14	28	11-14	28	12-15	20	12-15	20	12-22	14	328	296	296	265	253
SOUTH CENTRAL O8																													
ARKADELPHIA	102	8-28+	3	12-23	2-22	15	2-22	15	2-27	22	2-27	22	3-8	32	11-2	31	11-14	26	12-15	15	12-15	15	12-15	15	296	296	291	260	239
CAMDEN 1	104	8-26	1	12-24	2-22	15	2-22	15	2-23	22	2-27	28	3-22	31	11-2	30	11-14	22	11-14	22	12-15	14	12-15	14	296	296	264	260	225
EL DORADO FAA AIRPORT	101	8-26+	4	12-24	2-22	16	2-22	16	2-23	23	2-23	23	3-23	32	11-2	30	11-13	26	11-14	22	12-14	17	12-15	12	296	295	264	263	224
FORDYCE 6 W	105	8-28	2	1-24	2-22	12	2-22	12	2-22	12	3-6	28	3-22	31	11-2	31	11-13	28	12-9	24	12-15	12	12-15	12	296	296	290	252	225
MAGNOLIA 3 N	103	8-28	2	12-24	2-22	15	2-22	15	2-23	24	3-7	28	3-22	30	11-2	26	11-2	26	11-14	19	11-14	19	12-15	13	296	265	264	240	225
MOROBAY LOCK AND DAM 8	104	8-27	0	12-24	2-23	15	2-23	15	2-23	15	3-6	27	3-23	31	11-2	28	11-2	28	11-14	20	11-14	20	12-15	11	295	264	264	241	224
PRESCOTT	106	8-27	2	1-24	2-22	12	2-22	12	2-22	12	3-6	25	3-22	32	11-14	27	11-14	27	12-15	16	12-15	16	12-15	16	296	296	296	253	237
SPARKMAN 3 WSW	101	7-4	-	-	-	-	-	-	-	-	-	-	-	-	11-2	27	11-2	27	11-13	23	11-14	20	12-15	10	-	-	-	-	-
WARREN	105	8-26	0	12-24	2-22	14	2-22	14	2-23	23	3-22	28	3-23	31	11-2	30	11-14	26	12-1	24	12-15	12	12-15	12	296	296	281	237	224
SOUTHEAST O9																													
CROSSETT 7 S	101	8-26	4	1-24	2-22	14	2-22	14	2-23	22	3-22	28	3-23	30	11-2	31	11-14	25	12-15	17	12-15	17	12-24	6	305	296	295	237	224
CUMMINS FARM	99	8-28+	9	12-24	2-22	15	2-22	15	2-28	24	3-6	28	3-22	32	10-30	32	11-14	25	12-1	24	12-15	15	12-15	15	296	296	276	253	222
DERMOTT 3 NE	99	8-28+	3	12-24	-	-	-	-	-	-	-	-	-	10-30	28	10-30	28	11-14	21	12-15	16	12-15	16	-	-	-	-	-	
DUMAS	100	8-28+	2	12-24	2-22	12	2-22	12	2-27	23	2-27	23	3-22	31	11-2	32	11-14	28	12-14	24	12-15	17	12-19	15	300	296	290	260	225
EUDORA	101	8-28+	5	12-24+	1-28	13	2-21	17	2-21	17	2-26	27	3-6	31	11-14	27	11-14	27	12-15	16	12-15	16	12-15	16	321	297	297	261	253
MONTICELLO 3 S	99	8-28+	-	-	2-25	16	2-25	16	3-27	23	3-27	23	3-29	32	11-2	21	11-2	21	11-14	20	12-15	10	42	43	85	85	87	-	-
PINE BLUFF	102	8-28	7	12-24	1-28	12	2-22	18	2-22	18	2-27	28	3-6	30	11-14	32	12-1	27	12-14	24	12-15	16	12-15	16	321	296	295	277	253
PINE BLUFF FAA AIRPORT	101	8-28	2	12-24	2-22	16	2-22	16	2-22	16	2-27	27	3-6	31	11-13	32	12-1	27	12-14	22	12-15	19	12-23	4	304	296	295	277	252
PORTLAND	100	8-29+	3	12-24	1-29	15	2-23	17	2-27	24	2-28	28	3-7	31	-	-	11-14	26	12-15	17	12-15	17	12-23	14	328	295	291	259	-
ROHWER 2 NNE	101	6-14	4	12-24	2-22	15	2-22	15	2-23	24	2-27	25	-	-	10-30	30	11-14	23	11-14	23	12-15	16	12-15	16	296	296	264	260	-

# TOTAL EVAPORATION AND WIND MOVEMENT

ARKANSAS  
1963

Table 4

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
NORTH CENTRAL D2														
MOUNTAIN HDME C OF ENG	EVAP	-	-	-	6.19	8 6.37	8 7.17	7.43	6.82	5.09	4.93	8 2.86	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	731	1232	758	502	499	8 352	644	559	873	-	-
	MAX	-	-	-	74.6	84.6	94.0	98.5	96.7	88.9	79.1	61.3	-	-
	MIN	-	-	-	51.3	59.2	69.0	72.2	69.6	63.0	54.4	40.6	-	-
WEST CENTRAL D4														
RUSSELLVILLE	EVAP	-	-	8 4.39	4.35	8 6.43	7.51	8 7.08	7.46	4.73	4.53	8 2.14	-	-
	DEP	-	-	.66	.74	.20	.52	.58	.29	.79	.73	.15	-	-
	WIND	62D	484	697	504	339	382	328	214	336	230	380	516	503D
	MAX	-	54.6	74.6	80.4	91.3	100.4	99.1	100.0	90.4	82.7	63.3	-	-
	MIN	-	37.8	47.5	57.8	64.6	72.9	75.2	74.7	67.4	59.1	45.8	-	-
CENTRAL D5														
BLAKELY MOUNTAIN DAM	EVAP	-	-	8 3.94	8 4.57	5.80	8 7.14	8 6.32	5.90	4.47	4.04	8 2.93	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	1235	1085	1265	1163	938	862	862	687	894	630	1116	1092	11829
NIMRDD DAM														
EVAF	-	.71	8 3.14	3.26	8 4.19	8 4.39	8 4.06	8 4.33	2.92	2.72	8 1.37	-	-	
	DEP	-	-	-	1.68	1.75	2.60	3.15	2.43	2.44	.93	1.00	-	-
WIND	8 448	412	655	554	424	411	333	266	370	286	402	381	4942	
EAST CENTRAL D6														
STUTT GART 9 ESE	EVAP	-	8 2.33	5.69	8 7.09	8.02	8.85	7.67	7.17	5.48	5.59	3.20	-	-
	DEP	-	.59	2.39	2.56	2.24	2.06	.82	.63	.47	2.12	1.10	-	-
	WIND	1706	20D9	2923	1980	1816	1394	1560	1107	966	801	2030	2118	20410
	MAX	-	-	73.0	78.0	89.7	97.7	97.5	98.8	91.0	92.1	66.0	-	-
	MIN	-	-	38.7	47.6	59.2	71.4	73.5	74.3	67.4	57.7	47.1	-	-
SOUTHWEST D7														
HOPE 3 NE	EVAP	-	8 2.40	8 4.78	4.57	6.46	8 8.06	8 7.06	7.70	5.65	5.62	-	8 1.85	-
	DEP	-	.46	.79	.16	1.15	.63	.38	.12	1.01	-	.08	-	-
	WIND	1136	1338	1617	-	8 1030	669	835	409	558	574	915	478	-
NARROWS DAM														
EVAP	-	-	8 4.55	8 4.99	5.59	6.57	6.16	6.73	4.42	5.12	8 2.84	-	-	
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	625	770	1354	1093	755	601	626	513	533	612	948	-	
	MAX	-	-	67.7	75.9	85.7	93.4	95.6	87.0	80.9	64.1	-	-	
	MIN	-	-	45.5	55.3	63.5	71.3	73.7	71.7	66.8	56.0	45.7	-	
SOUTH CENTRAL D8														
WARREN	EVAP	-	8 2.74	5.83	8 4.96	6.41	6.51	8 7.04	5.94	4.40	4.31	8 2.81	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	8 947	1214	1612	8 1172	765	545	598	297	122	366	672	729	9039
	MAX	-	-	77.8	81.0	92.2	98.4	100.2	100.3	94.5	88.0	71.3	-	-
	MIN	-	-	44.5	56.1	62.9	69.4	70.3	71.0	61.3	50.6	43.1	-	-

MAX AND MIN IN TABLE 4 REFER TO MEAN MAXIMUM AND MINIMUM TEMPERATURES OF WATER IN PAN.

## SOIL TEMPERATURES

Station and Depth	January		February		March		April		May		June		July		August		September		October		November		December		Annual			
	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes		
WARREN																												
4 INCHES	42.2	58/33	44.8	57/34	60.4	77/44	68.0	81/52	76.2	96/59	79.4	94/64	84.4	100/69	84.5	92/78	78.8	87/69	71.8	78/62	59.8	73/50	44.4	54/32	66.2	100/32		

MONTHLY AVERAGES ARE OBTAINED BY TAKING THE AVERAGE OF DAILY MAX AND MIN VALUES.  
SLOPE OF GROUND; LEVEL AT STATION, GENTLY ROLLING VICINITY. SOIL TYPE; SANDY LOAM. GROUND COVER. GRASS. INSTRUMENTATION; PALMER SOIL THERMOMETERS.



REFERENCE NOTES

Additional information regarding the climate of Arkansas may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Adams Field, Little Rock, Arkansas 72202, or to any Weather Bureau Office near you.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F., precipitation and evaporation in inches, and wind movement in miles.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 4.

Normals for all stations are climatological normals based on the period 1931-1960. "OEP" in Table 4 refers to departures from long-term means based on periods varying from 10 to 29 years which are used in place of normals.

Years of Record as shown in the Station Index are approximate since gaps in the records may not have been considered in arriving at the totals shown.

Climatological divisions outlined on the maps in this bulletin became effective with data for January 1957.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried in the June and December issues of Climatological Data.

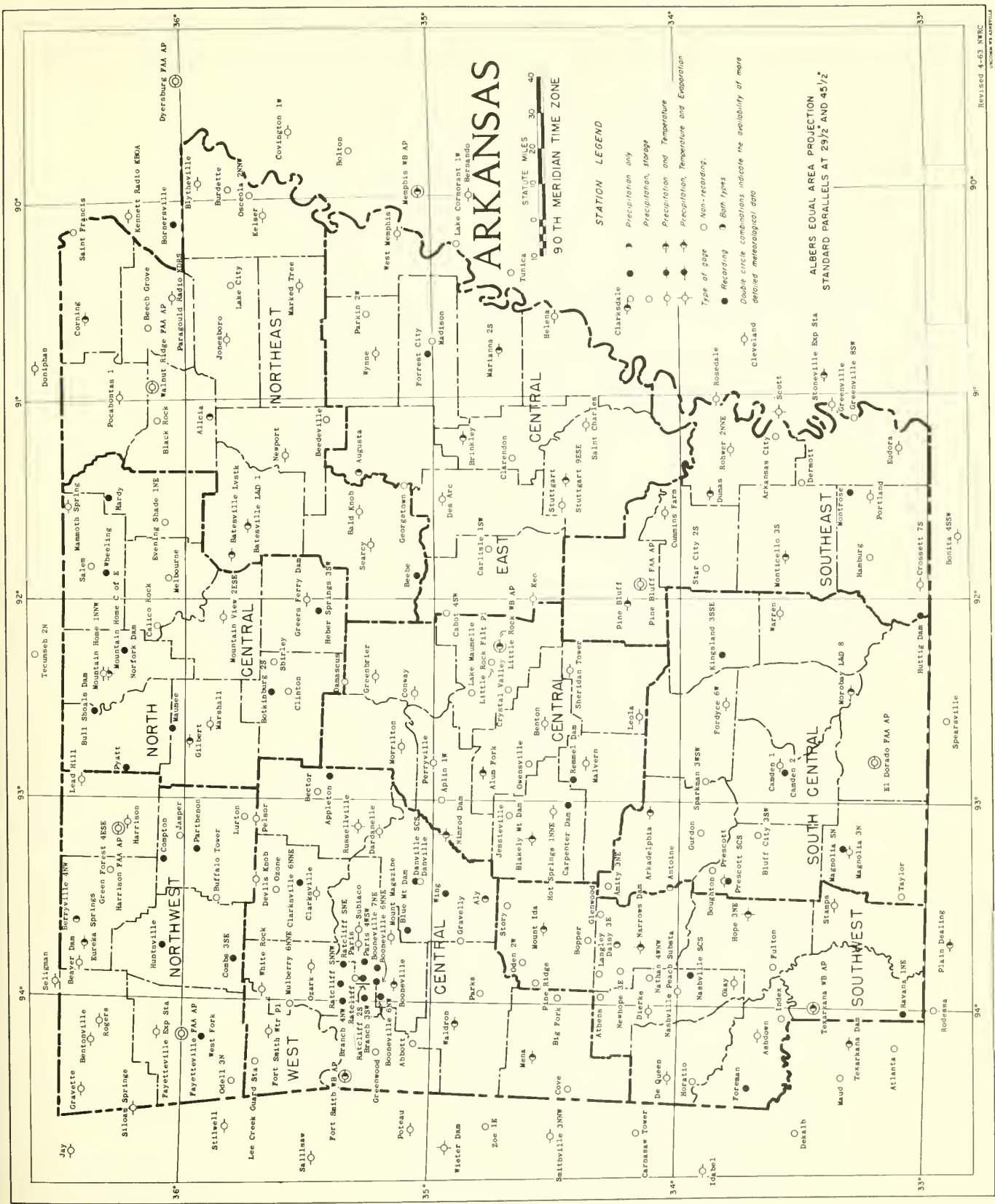
- No record.
- + Also earlier date (dates) or months.
- \* Amount included in following measurement.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- B Adjusted to a full month.
- C Data for recorder stations denoted by "C" in the Refer to Tables column of the Station Index are processed for special purposes and published in "Hourly Precipitation Data". Length of record for recorder-only stations may be found in the annual issue of "Hourly Precipitation Data".
- E Amount is wholly or partially estimated.
- G In the Refer to Tables column of the Station Index the letter "G" indicates that soil temperatures are published.
- M One or more days' record missing; if average value is entered, less than 10 days' record is missing. See monthly Climatological Data for detailed daily record.
- R Amounts from recording gage. These amounts are essentially accurate but may vary slightly from the amounts to be published later in "Hourly Precipitation Data".
- T Trace, an amount too small to measure.
- V Includes total for previous months. V in annual column means total is for a two-year period.

Information concerning the history of changes in locations, elevations, exposures, etc., of substations through 1955 may be found in the publication "Substation History" for this State. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. for 45 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

RELOCATION AND CHANGES OF EQUIPMENT

		DATE - 1963
ABBOTT	Equipment moved 100 feet SW	June 26
ALICIA	Temperature equipment installed	September 11
ARKANSAS CITY	Equipment moved 1000 feet NE	November 1
ATHENS	Equipment moved 0.4 mile NW	February 18
BEEDVILLE	Temperature equipment installed	September 10
BENTONVILLE	Equipment moved 0.2 mile SSW	October 29
BLACK ROCK	Equipment moved 0.3 mile ENE	July 1
BLYTHEVILLE	Equipment moved 0.5 mile N	August 6
CALICO ROCK	Temperature Equipment installed	November 4
COMBS 3 SE	Equipment moved 0.2 mile S	October 19, 1962
DEQUEEN	Equipment moved 35 feet SW	October 15
EUDORA	Temperature equipment and rain gage installed	May 1
FAYETTEVILLE	Evaporation equipment installed	June 1
FORREST CITY	Temperature equipment installed	December 3
GLENWOOD	Equipment moved 500 feet NE	July 12
GREERS FERRY OAM	Equipment moved 75 feet E	July 1
HELENA	Equipment moved 2.5 miles NE	May 1
HOT SPRINGS 1 NNE	Standard rain gage moved 100 feet S	June 25
INDEX	Standard rain gage moved 50 feet E	July 11
JASPER	Equipment moved 85 feet S	March 14
KEO	Standard rain gage moved 35 feet NW	May 13
LEOLA	Temperature equipment installed	November 1, 1962
MARKEO TREE	Equipment moved 1.2 miles ESE	February 5
MARSHALL	Standard rain gage moved 65 feet E	July 22
NASHVILLE SCS	Rain gage moved 0.6 mile SSW	October 16
OSCEOLA	Equipment moved 0.9 mile S	July 1
SHERIDAN TOWER	Equipment moved 75 feet NW	May 3
SPARKMAN 3 WSW	Temperature equipment installed	May 21
STAMPS	Temperature equipment added	February 21
STUTT GART	Standard rain gage moved 50 feet E	August 12
WALDRON	Equipment moved 25 feet N	June 26
WARREN	Evaporation and soil temperature data published	January 1
WEST FORK	Equipment moved 4 blocks NW	March 12



# ARKANSAS



ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29° AND 45 1/2°



U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

ROBERT M. WHITE, Chief

# CLIMATOLOGICAL DATA

## ARKANSAS

JANUARY 1964

Volume 69 No. 1







# CLIMATOLOGICAL DATA

ARKANSAS  
JANUARY 1964

Continued

Station	Temperature										Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
										6° or Above	31° or Below	32° or Below	0° or Below					Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
<b>EAST CENTRAL 06</b>																							
ARKANSAS PDST	55.1	29.5	42.3		74 24		9 14	700	0	1 21	0	3.52		1.32	6		T	0		6	2	2	
BRINKLEY	53.5	26.5	40.0	= 2.6	73 24		9 14	768	0	2 24	0	2.32		.58	12		T	1.2	1	13	6	1	0
DE 5 ARC	56.7	31.5	43.1		72 24		11 15	671	0	1 18	0	1.37		.52	31		T	.5	1	13	3	1	0
FORREST CITY	54.6	31.0	42.8		72 24		10 14	680	0	1 18	0	1.84		.69	31		T		T	12	6	0	0
HELENA	51.2	27.8	39.5	= 4.0	70 25		14 14	784	0	3 21	0	4.08	= 1.97	1.95	9		T		T	13	6	3	2
<b>KED</b>																							
MARIANNA 2 S	54.9	30.0	42.5		74 24		12 14	690	0	1 20	0	1.05		.56	31		T	0		3	1	0	0
SAINT CHARLES	53.7	30.8	42.3	= 0.1	71 24		13 14	698	0	1 19	0	2.53	= 3.12	.74	8		T	2	1	6	1	0	0
STUTT GART	55.3M	25.9M	39.6M		73 25		11 14	777	0	1 20	0	2.64		.84	6		T			5	2	0	0
STUTT GART 9 ESE	55.5	30.6	43.1	= 0.6	77 24		14 1	675	0	1 18	0	2.46	= 3.46	.57	31		T	.0		5	2	0	0
WEST MEMPHIS	53.5	32.5	43.0		70 23		15 14	676	0	0 18	0	2.42		.90	9		T	.0	2	1	4	3	0
WYNNE	52.3M				73 19				0	1				.60	24		T						
<b>DIVISION 06</b>																							
SOUTHWEST 07																							
DE QUEEN	57.4	27.4	42.4		74 22		5 14	694	0	0 21	0	.65		.60	31		T	.0		1	1	0	0
DIERKS	57.9	26.5	41.2		73 19		2 14	729	0	0 23	0	.89		.68	31		T	.0		1	1	0	0
HDPE 3 NE	55.4	25.6	40.5	= 3.2	74 20		6 14	751	0	1 22	0	.72	= 4.49	.63	31		T	.1		2	0	0	0
MOUNT IDA	56.6	26.3	40.5	= 0.9	72 19		- 1 14	755	0	1 23	1	.64	= 4.03	.65	31		T		T	13	1	0	0
NARRDWS DAM	56.3	20.8	38.6		74 25		3 14	814	0	1 27	0	1.05		.76	31		T	.0		2	1	0	0
<b>NASHVILLE PEACH SUBSTA</b>																							
DKAY	55.4	27.6	41.5		72 20		4 14	719	0	2 20	0	1.11		.84	31		T	.3	T	16	2	1	0
STAMPS	59.5	29.3	44.4	= 1.6	75 19		4 14	633	0	0 19	0	.97	= 3.58	.65	31		T	.3		3	0	0	0
TEXARKANA WB AIRPORT //R	57.4	32.4	44.9		73 19		7 14	614	0	0 16	0	.93		.47	31		T	.0		3	0	0	0
TEXARKANA WB AIRPORT //R	56.7	33.8	45.3	0.2	73 19		11 14	602	0	1 14	0	.83	= 4.01	.28	31		T	.3	T	16	4	0	0
<b>DIVISIDN 07</b>																							
SOUTH CENTRAL 08																							
ARKADELPHIA	57.5	29.5	43.5		74 24		9 14	662	0	1 18	0	.88	= 4.39	.40	30		T	.0		3	0	0	0
CAMDEN 1	58.6	29.4	44.0	= 0.7	75 24		8 14	666	0	0 19	0	1.35	= 3.58	.38	31		T	.0		4	0	0	0
EL DDRADD FAA AIRPDRT	56.5	28.4	42.5	= 4.0	74 24		9 14	690	0	0 21	0	2.64	= 2.79	1.19	8		T		T	16	5	2	1
FDRDYCE 6 W	56.7	30.7	43.7		78 24		9 14	655	0	1 20	0	1.43		.90	24		T	.0		6	1	0	0
MAGNDLIA 3 N	58.5	31.4	45.0	= 2.4	75 19		7 14	618	0	0 18	0	1.29	= 3.35	.49	6		T	.5	1	16	5	0	0
<b>MDRDBAY LDCK ANO DAM 8</b>																							
PRESCDTT	56.3	27.1M	41.7M		74 25		6 14	722	0	1 21	0	3.08		1.35	6		T		T	16	4	2	2
SPARKMAN 3 WSW	57.2	31.5	44.4	= 0.2	72 19		10 14	632	0	0 17	0	1.05	= 4.29	.90	11		T	.0		3	1	0	0
WARREN	57.8M	24.3M	41.1M		77 26		3 14	737	0	1 23	0	1.26		.52	31		T	.0		4	1	0	0
WARREN	57.5	32.7	45.1	= 0.9	74 24		12 14	611	0	0 16	0	4.73		2.00	6		T	.0		5	4	2	0
<b>DIVISIDN 08</b>																							
SDUTHEAST 09																							
CROSSETT 7 S	57.4	33.7	45.6	= 0.7	73 19		12 14	597	0	0 17	0	3.16	= 2.99	.92	8		T	.0		7	2	0	0
CUMMINS FARM	54.2M	29.2M	41.7M		71 24		12 14	705	0	0 22	0	1.76		.74	9		T	.0	T	2	4	2	0
DERMDTT 3 NE	55.5	33.4	44.5		73 24		14 14	629	0	1 16	0	3.73		1.10	6		T	.0		6	3	1	0
DUMAS	55.1	31.5	43.3	= 2.0	74 24		15 14	666	0	1 19	0	3.74	= 1.73	1.54	9		T	.0		5	2	2	0
EUDRA	57.3	36.1	46.7		74 19		17 13	560	0	0 13	0	3.75		.87	6		T	.0		7	4	0	0
<b>MDNTICELLD 3 S</b>																							
PINE BLUFF	56.5	31.5	44.0		73 24		7 14	643	0	1 18	0	3.82		1.41	6		T	.0		6	2	2	0
PINE BLUFF FAA AIRPORT	57.9	33.7	45.8	0.7	76 24		13 14	589	0	0 15	0	.94	= 4.64	.31	31		T	.0		4	0	0	0
PORTLAND	54.8	31.4	43.1		74 24		15 14	672	0	1 19	0	1.45		.36	11		T	.0		5	0	0	0
RDHWER 2 NNE	54.5	29.8M	42.2M	= 3.8	72 20		13 15	705	0	1 18	0	2.85	= 2.90	.95	6		T	.0		5	3	0	0
RDHWER 2 NNE	56.5	32.7	44.6		72 24		14 14	627	0	2 17	0	3.30		1.40	6		T	.0		4	3	2	0
<b>OIVISIDN 09</b>																							
DIVISION 09																							
DIVISION 09																							

### TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 78° on the 24+ at 3 stations

Lowest Temperature: -7° on the 14th at Fayetteville FAA AP and at Gravette

Greatest Total Precipitation: 4.73 inches at Warren

Least Total Precipitation: 0.18 inch at Melbourne

Greatest One-Day Precipitation: 2.00 inches on the 6th at Warren

Greatest Reported Total Snowfall: 4.0 inches at Eureka Springs

Greatest Reported Depth of Snow on Ground: 3 inches on the 14+ at Harrison FAA AP and on the 12th at Gravette

See Reference Notes Following Station Index











# SNOWFALL AND SNOW ON GROUND

ARKANSAS  
JANUARY 1964

Station	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NORTHWEST 01																																
EUREKA SPRINGS								0.5				3.5																				
FAYETTEVILLE FAA AP									T			0.8	T	1																		
GRAVETTE																																
HARRISON FAA AIRPORT									T		T	3.0	T	3	3																	
ROGERS									0.3			1.8	2	1	1	T	T															
NORTH CENTRAL 02																																
GILBERT										T			1.0	1																		
MAMMOTH SPRING													0.5																			
NORTHEAST 03																																
BATESVILLE L AND O #1													0.5	1	T																	
BLYTHEVILLE											T		1.3																			
CORNING													0.5																			
JONESBORO													0.8	1	T	T	T	T	T													
MARKEO TREE													0.5	T																		
NEWPORT										T		0.5	1																			
SEARCY													0.5	1																		
WALNUT RIDGE FAA AP												1.0	T	1	T																	
WEST CENTRAL 04																																
DEVILS KNOB										T																						
FORT SMITH WB AIRPORT									0.2	T		T	0.6	T																		
MENA										T																						
WALORON										T																						
CENTRAL 05																																
HOT SPRINGS 1 NNE																																
LITTLE ROCK WB AIRPORT																																
EAST CENTRAL 06																																
BRINKLEY																																
MARIANNA 2 S																																
STUTTGART 9 ESE																																
SOUTHWEST 07																																
MOUNT IDA																																
TEXARKANA WB AIRPORT																																
SOUTH CENTRAL 08																																
EL OORAOO FAA AIRPORT																																
MAGNOLIA 3 N																																
PRESCOTT																																
SOUTHEAST 09																																
CROSSSETT 7 S																																
PINE BLUFF FAA AIRPORT																																

See Reference Notes Following Station Index

# DAILY SOIL TEMPERATURES

ARKANSAS  
JANUARY 1964

STATION AND DEPTH	Day of month																															Average			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
WARREN																																			
4 INCHES	MAX	39	44	49	48	48	43	47	48	44	42	41	40	38	39	38	40	52	52	50	49	53	58	59	55	52	54	51	48	49	49	47.3			
	MIN	38	38	38	43	44	43	40	39	44	40	40	38	37	38	37	35	36	39	39	45	42	47	55	49	46	48	48	43	42	44	41.8			

SLOPE OF GROUND: LEVEL AT STATION, GENTLY ROLLING VICINITY. SOIL TYPE: SANDY LOAM. GROUND COVER: GRASS. INSTRUMENTATION: PALMER SOIL THERMOMETERS. MAX AND MIN FOR 24 HOURS ENDING AT 7 A. M.

## EVAPORATION AND WIND

Station	Day Of Month																															Total or Avg.		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
WEST CENTRAL 04																																		
RUSSELLVILLE	EVAP	-	-	-	-	-	-	-	-	.08	.10	.03	-	-	-	-	-	-	-	.30	.13	.09	.10	.10	.15	.14	.10	.16	.12	.07	.06	.01	-	
	WIND	5	2	5	5	7	5	5	6	4	6	4	8	9	9	3	4	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CENTRAL 05																																		
BLAKELY MOUNTAIN DAM	EVAP	-	-	-	-	-	-	.15	.01	-	-	-	-	-	-	-	-	-	.23	.07	.10	.02	.01	-	-	.28	-	-	.18	.04	-	-		
	WIND	23	21	24	34	18	16	25	32	43	47	31	51	86	59	19	16	17	25	31	65	20	28	20	31	58	25	22	25	26	18	21	977	
NIMROD DAM	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.02	.07	.03	.02	.08	.05	.04	.05	-	.05	.09	-	-		
	WIND	6	4	4	33	3	5	5	20	20	11	2	31	36	6	16	4	4	4	32	34	4	22	11	16	24	11	8	12	2	24	9	423	
EAST CENTRAL 06																																		
STUTTART 9 ESE	EVAP	-	-	-	-	-	-	.09	.10	-	-	-	-	-	-	-	-	-	.37	.14	.09	.18	.02	.04	-	.31	.14	-	.21	.09	2.218			
	WIND	66	61	80	71	18	25	27	56	81	105	97	86	213	96	40	27	8	63	148	200	47	103	108	100	164	130	87	51	43	18	27	2446	
	MAX	-	-	-	-	-	-	-	63	50	-	-	-	-	-	-	-	-	-	71	65	64	64	65	-	72	61	-	60	57	-	-		
	MIN	-	-	-	-	-	-	-	41	42	-	-	-	-	-	-	-	-	-	43	40	40	46	56	-	37	37	-	33	38	-	-		
SOUTHWEST 07																																		
HOPE 3 NE	EVAP	-	-	-	.14	.05	.11	.08	.07	-	-	.21	-	-	-	-	-	-	.27	.15	.14	.12	.04	.07	.19	.05	.10	.15	.05	.09	.02	2.418		
	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOUTH CENTRAL 08																																		
WARREN	EVAP	-	-	.10	.13	-	-	.05	.10	-	-	-	-	-	-	-	-	.34	.06	.35	.01	.17	.07	.15	.21	.06	.21	.14	-	.09	.21	2.81E		
	WIND	14	29	96	57	9	18	4	32	36	26	26	0	9	1	0	0	0	40	50	9	29	2	0	1	0	0	0	0	0	0	0	488	
	MAX	-	-	56	65	62	50	-	65	55	-	-	-	-	-	-	-	-	75	69	69	67	70	-	77	77	88	-	60	60	-	-		
	MIN	-	-	31	45	38	39	-	31	33	-	-	-	-	-	-	-	-	25	36	36	32	40	53	-	32	29	32	-	28	31	-		

MAX AND MIN IN ABOVE TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.

## SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover	sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	MIDNIGHT CST	6:00 AM CST	NOON CST	6:00 PM CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total			
FORT SMITH WB AIRPORT	6	7	7.6	36	SW	19	63	74	49	46	0	5	2	0	0	0	7	77	3.6	
LITTLE ROCK WB AIRPORT	25	8	8.3	38	W	24	68	79	48	52	4	1	2	1	0	0	8	66	4.5	
TEXARKANA WB AIRPORT	21	7	9.5	-	-	-	69	77	56	55	3	2	4	0	0	0	9	-	-	

DIRECTIONS ENTERED IN FIGURES ARE TENS OF DEGREES.





REFERENCE NOTES

Additional information regarding the climate of Arkansas may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Adams Field, Little Rock, Arkansas 72202 or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for January 1957.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.

G "Soil Temperature" Table.

H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.

J "Supplemental Data" Table.

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing, if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

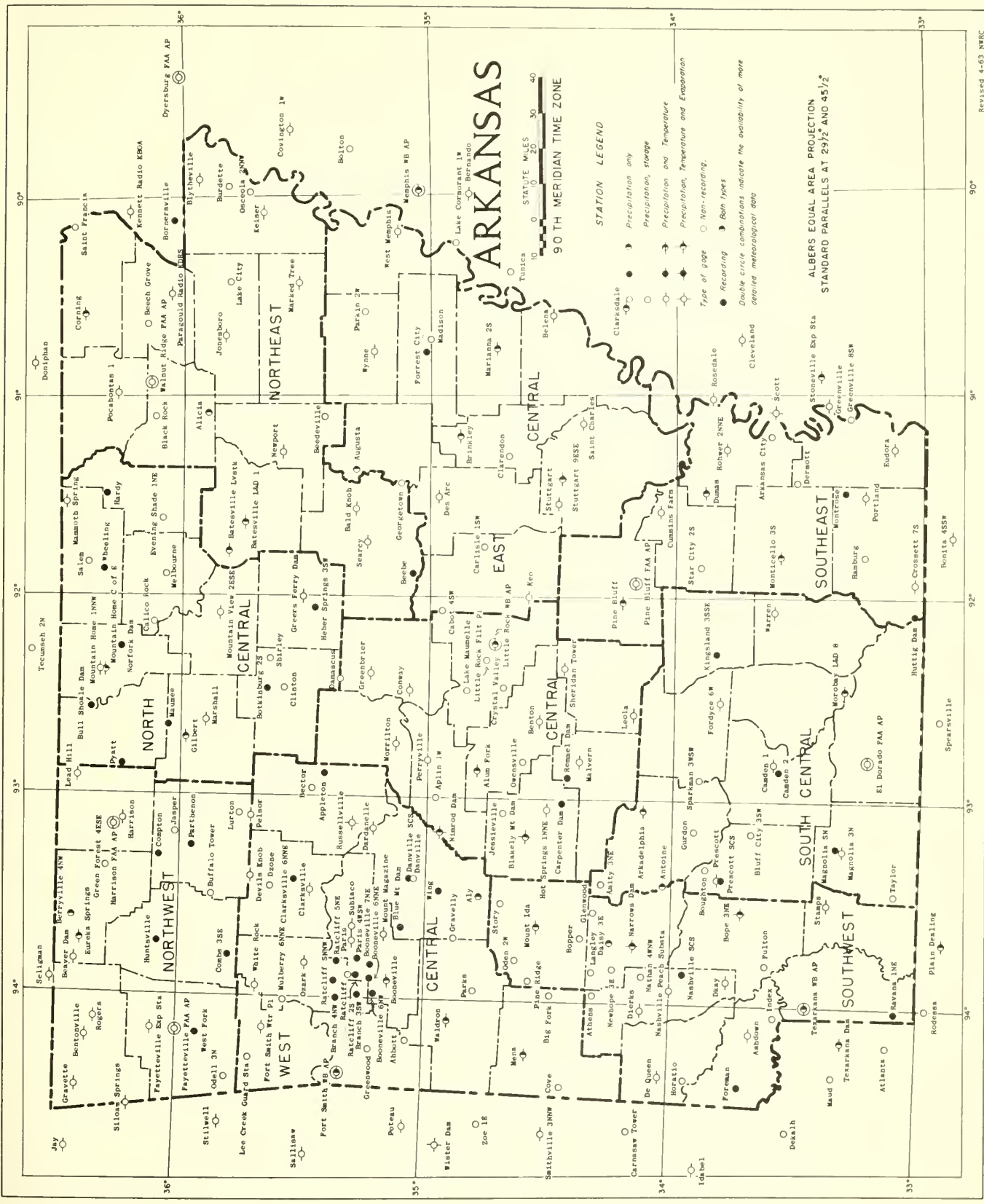
T Trace, an amount too small to measure.

V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. for 45 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual, \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.



# ARKANSAS

STATUTE MILES  
0 10 20 30 40

90° TH MERIDIAN TIME ZONE

### STATION LEGEND

- Precipitation only
- Precipitation, storage
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation
- Type of page ○ Non-recording.
- Recording
- Both types
- Double circle combinations indicate the availability of more detailed meteorological data

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29½° AND 45½°







U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

ROBERT M. WHITE, Chief



# CLIMATOLOGICAL DATA

ARKANSAS

FEBRUARY 1964

Volume 69      No. 2







CLIMATOLOGICAL DATA

ARKANSAS  
FEBRUARY 1964

Continued

Station	Temperature													Precipitation									
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
										90° or Above	31° or Below	31° or Below	31° or Below					Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
										80° or Above	21° or Below	21° or Below	21° or Below										
										70° or Above	11° or Below	11° or Below	11° or Below										
EAST CENTRAL 06																							
ARKANSAS POST	54.6	29.3	42.0		65	2	15	22	660	0	0	17	0	2.30		.77	13				4	3	0
BRINKLEY	53.2	28.7	41.0	- 4.4	64	2	20	22	691	0	0	21	0	3.37		1.24	6				5	3	2
OES ARC	54.5	31.4	43.0		64	2*	20	22	633	0	0	17	0	3.22		1.10	13				6	3	1
FORREST CITY	55.9	31.1	42.5		65	2	19	22	645	0	0	17	0	3.18		1.18	5				5	3	1
HELENA	51.5	31.3	41.4	- 5.0	62	3	20	22	677	0	0	19	0	3.34	- 1.53	1.13	6				8	2	1
KEO	54.5	31.6	43.1		64	2	21	22	629	0	0	18	0	3.00		1.09	13				4	3	2
MARIANNA 2 5	52.5	31.7	42.1	- 3.0	62	2	22	22	658	0	0	19	0	3.43	- 1.23	.95	13				6	3	0
SAINT CHARLES	52.8M	29.8M	41.3M		65	2	19	22	682	0	0	21	0	2.83		.89	5				6	3	0
STUTTART	55.4	33.7	44.6	- 1.8	67	25	24	22	586	0	0	13	0	3.09	- 1.84	1.02	13				5	3	1
STUTTART 9 ESE	51.6	31.8	41.7		63	3	24	22	667	0	0	15	0	3.51		1.13	13				6	4	1
WEST MEMPHIS	52.0	32.5	42.3		62	2	22	22	653	0	0	16	0	2.83		1.20	5				5	2	1
WYNNE	51.2	29.5	40.4		67	2	20	26	707	0	0	19	0	3.35		1.30	5				5	3	1
DIVISION 06																							
SOUTHWEST 07																							
OE QUEEN	56.0	29.9	43.0		66	2	15	22	631	0	0	20	0	3.21		1.68	5				3	2	2
OTIERKS	55.3	27.3	41.3		56	2	13	22	681	0	0	21	0	3.24		1.60	5				4	2	2
HOPE 3 NE	54.3	28.8	41.6	- 5.0	66	3	18	22	672	0	0	21	0	2.30	- 2.16	1.08	5				4	3	1
MOUNT JOA	55.2	25.1	40.2	- 3.9	64	2*	11	22	716	0	0	23	0	3.01	- 1.32	1.78	5				4	2	1
NARROWS DAM	55.0	25.2	40.1		65	3*	13	22	717	0	0	25	0	2.75		1.20	5				3	2	2
NASHVILLE PEACH SUBSTA	53.6	27.9	40.8		63	3*	15	22	699	0	0	23	0	3.24		1.72	5	T			4	2	2
OKAY	57.4	31.3	44.4	- 4.7	66	10	15	22	592	0	0	18	0	2.75	- 1.28	1.62	5				4	2	1
STAMPS	55.7	31.9	43.8		66	10	17	22	609	0	0	15	0	2.26		1.19	5				4	1	1
TEXARKANA WB AIRPORT //R	55.0	34.9	45.0	- 3.5	65	2	22	22	574	0	0	11	0	2.74	- 1.28	1.18	4				5	2	1
DIVISION 07																							
SOUTH CENTRAL 08																							
ARKAOLA PHIA	57.1	30.8	44.0		68	10	19	22	605	0	0	18	0	3.35	- 1.01	1.48	5				5	3	1
CAMOEN 1	57.6	31.4	44.5	- 3.4	66	2	17	22	584	0	0	17	0	2.24	- 2.34	.95	5				4	2	0
EL DORADO FAA AIRPORT	55.7	29.1	42.4	- 7.0	66	10	14	22	647	0	0	21	0	2.12	- 2.56	1.05	5				4	1	1
FOROYCE 6 W	55.2	30.6	42.9		64	2	20	22*	633	0	0	17	0	3.15		1.50	5				4	3	1
MAGNOLIA 3 N	57.1	30.7	43.9	- 6.2	67	10	15	22	604	0	0	17	0	2.22	- 2.35	.92	5				5	2	0
MOROBAY LOCK AND DAM 8	55.2	29.1	42.2		66	11	14	22	654	0	0	19	0	2.04		.78	5				6	1	0
PRESCOTT	56.8	32.1	44.5	- 3.2	66	2	22	23*	589	0	0	17	0	2.43	- 2.21	.90	5				5	3	0
SPARKMAN 3 WSW	56.5M	28.4M	42.5M		65	2*	16	8	647	0	0	20	0	2.83		1.27	5				5	3	1
WARREN	56.9	32.3	44.6	- 4.6	68	9	11	22	584	0	0	16	0	1.76		.43	13				5	0	0
DIVISION 08																							
SOUTHEAST 09																							
CROSSETT 7 5	57.7	31.7	44.7	- 4.5	68	10	17	22	580	0	0	17	0	2.10	- 2.72	.62	5				5	2	0
CUMMINS FARM	50.7	31.8	41.3		60	6	24	8	682	0	0	17	0	1.78		.96	15				5	2	0
OERMOTT 3 NE	54.4	32.5	43.5		64	2	20	22	617	0	0	12	0	2.69		.74	15				7	1	0
OWAS	55.0	31.9	43.5	- 4.3	65	2	21	22*	616	0	0	15	0	2.37	- 2.38	.78	5				4	3	0
EUGORA	56.8	34.8	45.8		67	10	22	22	553	0	0	11	0	2.47		.66	15				5	2	0
MONTICELLO 3 5	55.8	31.1	43.5		64	2	14	22	619	0	0	15	0	1.70		.65	15				4	2	0
PINE BLUFF	56.0	33.4	44.7	- 3.3	67	2	24	8	583	0	0	11	0	3.14	- 1.96	.93	15				5	4	0
PINE BLUFF FAA AIRPORT	53.1	33.2	43.2		65	2	24	22	625	0	0	14	0	2.82		1.02	5	T			6	3	1
PORTLAND	55.3	30.2	42.8	- 5.9	65	13*	20	23	639	0	0	16	0	1.86	- 3.09	.50	15				6	1	0
ROHWER 2 NNE	55.4	31.9	43.7		64	2	21	22	612	0	0	16	0	2.97		1.11	15				6	2	1
DIVISION 09																							

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 68° on the 10+ at 4 stations

Lowest Temperature: 7° on the 22d at Gilbert

Greatest Total Precipitation: 4.46 inches at Mount Magazine

Least Total Precipitation: 0.67 inch at Rogers

Greatest One-Day Precipitation: 2.09 inches on the 5th at Russellville

Greatest Reported Total Snowfall: 0.5 inch at Bentonville and at Buffalo Tower

Greatest Reported Depth of Snow on Ground: 1 inch on the 15th at Buffalo Tower

See Reference Notes Following Station Index











# SNOWFALL AND SNOW ON GROUND

ARKANSAS  
FEBRUARY 1964

Station		Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NORTHWEST 01																																	
FAYETTEVILLE FAA AP	SNOWFALL SN ON GND							T							T	T					T	T									T		
GRAVETTE	SNOWFALL SN ON GND															T																	
HARRISDN FAA AIRPORT	SNOWFALL SN ON GND										T				T	T					T	T	T							T			
ROGERS	SNOWFALL SN ON GND																	-				T	T										
NDRTHEAST 03																																	
BLTYHEVILLE	SNOWFALL SN ON GND												T																				
JONESBORO	SNOWFALL SN ON GND																T																
WALNUT RIDGE FAA AP	SNOWFALL SN ON GND																																
CENTRAL 05																																	
HOT SPRINGS 1 NNE	SNOWFALL SN ON GND																																
SOUTHEAST 09																																	
PINE BLUFF FAA AIRPORT	SNOWFALL SN ON GND																																

## EVAPORATION AND WIND

Station		Day Of Month																															Total or Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WEST CENTRAL 04																																	
RUSSELLVILLE	EVAP WIND MAX MIN	.09 35 - -	.17 54 - -	.20 81 - -	.09 52 - -	- 49 - -	- 71 - -	.12 77 - -	.08 48 - -	.07 44 - -	.10 59 - -	.08 37 - -	.05 48 - -	.06 32 - -	.09 56 - -	.11 82 - -	.10 48 - -	.08 37 - -	.00 35 - -	.08 68 - -	.04 46 - -	.05 28 - -	.07 35 - -	.10 55 - -	.08 18 - -	.08 34 - -	.10 49 - -	.10 48 - -	.20 43 - -	.14 46 - -			
CENTRAL 05																																	
BLAKELY MOUNTAIN OAM	EVAP WIND	* 29	* 19	.17 30	.11 19	- 105	.10 35	.08 74	* 48	* 39	* 25	* 61	.35 26	.01 34	- 34	- 62	* 58	* 22	.17 27	.09 51	* 37	* 60	* 30	* 22	* 49	* 21	.47 62	- 27	- 38	- 43			
NIMROD OAM	EVAP WIND	.00 5	* 6	* 11	.04 29	- 46	- 21	.06 28	* 15	.08 11	.05 10	.07 17	.05 17	.00 9	.06 10	.11 29	.05 17	.06 19	.03 14	.02 20	.05 13	* 14	.02 9	.08 7	.03 7	.04 10	.08 23	.05 8	.05 18	.10 16			
EAST CENTRAL 06																																	
STUTTART 9 ESE	EVAP WIND MAX MIN	.03 80 6.7 4.0	.07 38 6.3 3.9	.12 46 6.4 3.9	.15 81 5.9 3.9	.12 155 5.6 3.8	.03 145 5.5 4.1	.12 112 6.4 -	* 97 5.6 -	.22 99 5.9 3.5	.12 105 -	* 51 -	.17 119 5.8 3.5	.10 67 4.8 3.6	* 69 -	.15 85 5.9 3.9	.11 185 5.5 3.8	* 41 -	.17 54 -	.01 100 5.1 3.7	* 98 -	* 87 -	* 54 -	* 37 -	* 80 -	.47 26 -	.13 107 6.4 4.2	.07 64 4.9 3.7	- 51 -	- 76 -			
SDUTHWEST 07																																	
HOPE 3 NE	EVAP WIND	.11 -	.12 13	.01 27	.10 39	.25 46	.07 66	.08 62	.15 54	.07 34	.09 67	.08 26	* 26	.10 55	.03 42	.10 39	.10 70	.10 18	.02 28	.21 75	.02 48	.07 58	* 32	.14 21	.18 30	.04 21	.13 47	.10 43	.02 36	.13 54			
NARRDWS OAM	EVAP WIND MAX MIN	* 16 - -	* 26 - -	.21 52 - -	.14 45 - -	.08 33 - -	.03 40 - -	.09 49 - -	- 40 - -	- 27 - -	- 26 - -	- 38 - -	- 30 - -	.06 42 - -	* 28 - -	.12 35 - -	* 60 - -	* 18 - -	.22 29 - -	.16 63 - -	* 30 - -	* 43 - -	* 21 - -	* 17 - -	* 40 - -	.53 14 - -	.03 45 - -	* 13 - -	.09 40 - -	.11 40 - -			
SOUTH CENTRAL 08																																	
WARREN	EVAP WIND MAX MIN	.10 0 59 32	.05 0 71 32	.15 0 64 39	.01 0 69 31	.07 0 59 33	.04 23 63 34	.21 7 70 33	* - 57 39	.18 - 67 39	.20 - 68 39	* - -	* 12 -	* 65 -	* 22 -	* 19 -	* 1 -	* 0 -	.51 61	.06 62	.10 68	.10 60	* -	* -	* -	* -	.37 70	.09 70	.03 58	.04 52	.11 -		

MAX AND MIN IN ABOVE TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.





REFERENCE NOTES

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Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.

G "Soil Temperature" Table.

H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and or snow on ground in that month.

J "Supplemental Data" Table.

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table, and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

/ Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

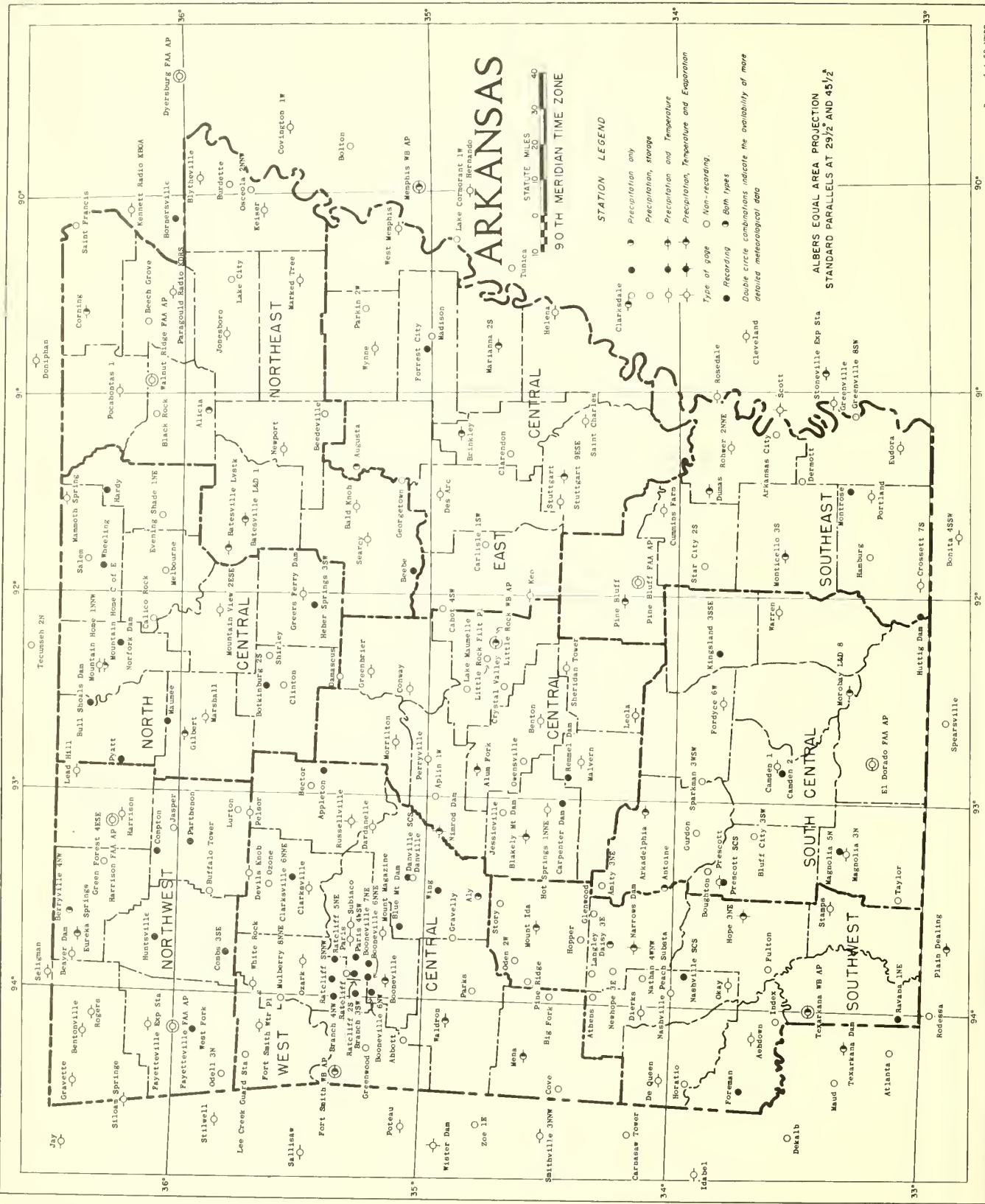
T Trace, an amount too small to measure.

V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. for 45 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual, \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.



# ARKANSAS

STATUTE MILES  
0 10 20 30 40

90 TH MERIDIAN TIME ZONE

### STATION LEGEND

- Precipitation only
- Precipitation, storage
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation
- Type of gage ○ Non-recording.
- Recording ● Both types
- Double circle combinations indicate the availability of more detailed meteorological data

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29° AND 45 1/2°

U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

ROBERT M. WHITE, Chief

# CLIMATOLOGICAL DATA

## ARKANSAS



MARCH 1964

Volume 69 No. 3



TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 84° on the 14th at Stuttgart, and on the 4th at Sparkman 3 WSW

Lowest Temperature: 4° on the 10th at Gravette

Greatest Total Precipitation: 13.51 inches at Saint Francis

Least Total Precipitation: 2.73 inches at Fayetteville Exp. Sta.

Greatest One-Day Precipitation: 5.08 inches on the 4th at Burdette

Greatest Reported Total Snowfall: 11.0 inches at Rogers

Greatest Reported Depth of Snow on Ground: 8 inches on the 10+ at 4 stations

SPECIAL WEATHER SUMMARY

Monthly precipitation totals for many locations in the State were the largest since the spring of 1961. Seventy to eighty percent of these amounts in most instances occurred in the first 10 days of the month. The major rain producer of the month was the storm covering the 3-day period beginning Saturday the 7th. Rain totals exceeded 4 inches in practically all of the northern half of the State with as much as 6 inches collecting in the north-central counties in this period of time. Flood stages in rivers were equalled or exceeded throughout the north-east and east-central parts of the State as well as in the Ouachita and its tributaries in the southwest. River stages resulting from this storm throughout the State were generally higher than at any time since the spring of 1962. Severe weather also accompanied this heavy rain period. Tornadoes touched down in Perry County and the northwest part of Montgomery County on the 9th with considerable hail and wind damage in the vicinity of Greers Ferry and Bull Shoals reservoirs on the 8th.

Earlier in the month a tornado was observed in Columbia

County in the extreme south on the 4th with hail, wind, and lightening damage elsewhere through the central and northeast parts of the State during the same period. Scattered hail reports were received on the 14th and the 24th of the month in an area stretching from southwest to northeast through the central portions of the State.

Frost and freezing temperatures were observed over the State on the 30th, resulting in many new low temperature records for the date. The only vulnerable crop areas were the peach orchards in the southwest and east-central where negligible damage was sustained. Little Rock observed 24° on this date for a new low for so late in the season.

R. O. Reinhold  
Weather Bureau State Climatologist  
Weather Bureau Airport Station  
Adams Field  
Little Rock, Arkansas 72202



















# DAILY SOIL TEMPERATURES

ARKANSAS  
MARCH 1964

STATION AND DEPTH	Day of month																															Average			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
WARREN																																			
4 INCHES	MAX	54	59	62	63	61	59	67	68	65	65	62	64	6D	66	67	68	67	64	6D	64	68	65	63	63	66	66	63	69	69	62	65	64.0		
	MIN	44	48	52	51	49	49	49	57	64	51	51	51	52	53	53	55	55	55	56	56	55	53	53	58	54	53	51	56	53	51	53.0			

SLOPE OF GROUND; LEVEL AT STATION, GENTLY ROLLING VICINITY. SOIL TYPE; SANDY LOAM. GROUND COVER; GRASS. INSTRUMENTATION; PALMER SOIL THERMOMETERS. MAX AND MIN FOR 24 HOURS ENDING AT 7 A. M.

## SUPPLEMENTAL DATA

Station	Wind direction		Wind speed			Relative humidity averages				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset		
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	MIDNIGHT CST	6:00 AM CST	NOON CST	6:00 PM CST	Trace	.01-.09	.10-.49	50-.99	1.00-1.99			2.00 and over	Total
FORT SMITH W8 AIRPORT	07	5	8.6	33	E	19+	76	83	55	52	2	2	2	3	1	1	11	59	5.4
LITTLE ROCK W8 AIRPORT	13	7	10.1	38	W	21	71	78	52	54	2	2	6	2	2	1	15	63	5.3
TEXARKANA W8 AIRPORT	15	10	7.7	-	-	-	79	84	59	57	3	4	2	3	1	D	13	-	-

DIRECTIONS ENTERED IN FIGURES ARE TENS OF DEGREES.



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++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

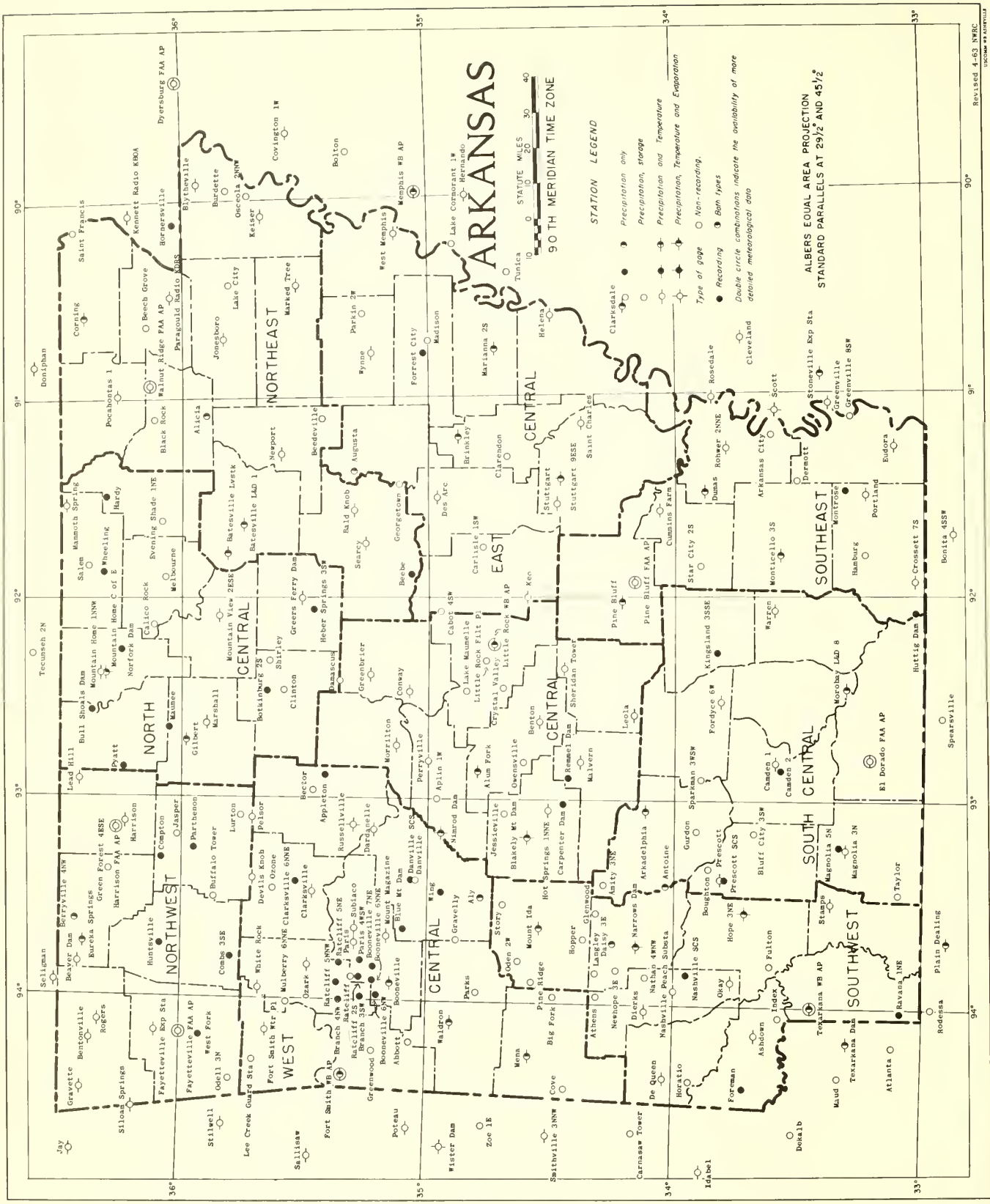
T Trace, an amount too small to measure.

V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. for 45 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual, \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.



# ARKANSAS

90° TH MERIDIAN TIME ZONE

### STATION LEGEND

- Precipitation only
  - Precipitation, storage
  - Precipitation and Temperature
  - Precipitation, Temperature and Evaporation
  - Type of gage
  - Non-recording
  - Recording
  - Both types
- Double circle combinations indicate the availability of more detailed meteorological data

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29½° AND 45½°







U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

ROBERT M. WHITE, Chief

# CLIMATOLOGICAL DATA

ARKANSAS



APRIL 1964

Volume 69      No. 4



TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 94° on the 20th at West Memphis  
 Lowest Temperature: 23° on the 9th at Gilbert  
 Greatest Total Precipitation: 17.88 inches at Stuttgart  
 Least Total Precipitation: 2.56 inches at Beaver Dam  
 Greatest One-Day Precipitation: 5.31 inches on the 22d at Gurdon  
 Greatest Reported Total Snowfall: Trace at Bald Knob

SPECIAL WEATHER SUMMARY

Except for the counties bordering Missouri in the north-central and northwest, the entire State recorded above normal precipitation amounts for the month. Locally heavy rain and damaging windstorms struck much of the west and north portions of the State on the weekend of the 4th and 5th. Fort Smith reported in excess of 7 inches of rain at this time with flooded streets trapping motorists in cars and many people in downtown stores and office buildings. Fifty- to sixty-m. p. h. windstorms with some hail were reported at this time at scattered locations from Arkadelphia through the central part of the State to the Bull Shoals, Harrison, and Batesville areas in the north. By Monday, the 6th, Black Rock on the Black River reached a stage of 7 feet above flood stage with accompanying rises elsewhere in the rivers in the north and east sections. Clarendon on the White River remained at or just above flood stage for the entire month.

The 6-day rain period beginning on the 21st of the month resulted in considerable flooding in the south and east-

central parts of the State. Six- to 10-inch storm totals were reported along an axis from Texarkana northeastward through Little Rock and on to Memphis. The entire Arkansas portion of the Ouachita River and its tributaries exceeded flood stages as a result of this wet period. The Ouachita River remained above flood stage at and below Arkadelphia for the entire last week of the month. On the 24th, during this period, flash floods struck Texarkana, El Dorado, and Magnolia. Three inches of rain fell in 3 hours at Magnolia and a cloudburst dumped 2 inches in 1 hour at Texarkana and 3.75 inches in 1-1/2 hours in the Crossett area. Boats were used to rescue people from sections of Texarkana.

R. O. Reinhold  
 Weather Bureau State Climatologist  
 Weather Bureau Airport Station  
 Adams Field  
 Little Rock, Arkansas 72202

PREPARATION AND PUBLICATION OF THIS BULLETIN

Much of the data presented in this publication comes from observations taken by volunteer cooperative observers. These observations are mailed after the close of the month to the National Weather Records Center at Asheville, North Carolina, where they are checked for accuracy and placed on punched cards. These cards are used to prepare copy for the various tables. Printing and mailing is done at the Asheville Center.

The various steps all take time. Records for any state can not be checked by machine until nearly all of them for that state have been received. Printing can not be done until all tables and the text for an issue are completed and assembled.

Constant effort is made to speed up publication and still maintain high quality of the data. A realistic deadline for mailing the printed Climatological Data has been set as the 15th of the second following month (45 days after the end of the month for which data are published). If any recipient's copy is unduly delayed, the Director, National Weather Records Center, Asheville, North Carolina should be advised.



# CLIMATOLOGICAL DATA

ARKANSAS  
APRIL 1964

Continued

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet		No. of Days				
										8" or Above	31" or Below	32" or Above	32" or Below					Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More	
																								Max.
EAST CENTRAL 06																								
ARKANSAS POST	76.2	54.8	65.5		84	27	32	9	76	0	0	1	0	11.25		3.10	5	.0	0		9	6	4	
BRINKLEY	74.5	52.3	63.4	1.2	84	20	32	9	95	0	0	1	0	14.58		3.99	4	.0	0		10	7	5	
DES ARC	76.4	56.5	66.5		85	20	37	9	58	0	0	0	0	11.65		3.50	24	.0	0		9	7	5	
FORREST CITY	75.1	54.6	64.9		85	20	31	9	74	0	0	1	0	12.06		3.74	23	.0	0		9	6	5	
HELENA	73.4	54.8	64.1	1.3	83	21	39	10	74	0	0	0	0	11.33	6.23	2.10	22	.0	0		11	7	5	
KEO																								
MARIANNA 2 S	76.6	54.5	65.6		85	20	35	9	63	0	0	0	0	11.57		3.30	4	.0	0		10	7	5	
SAINT CHARLES	74.4	54.9	64.7	2.7	82	20	36	9	74	0	0	1	0	13.67	9.04	4.09	4	.0	0		10	8	5	
STUTTART	75.2M	55.0M	65.1M		84	28	38	1	65	0	0	0	0	14.67		2.96	22	.0	0		10	9	6	
STUTTART 9 ESE	79.4M	56.3M	67.9M	4.9	91	22	39	9	41	3	0	0	0	17.88	12.86	3.47	26	.0	0		11	8	6	
WEST MEMPHIS	73.3	55.1	64.2		83	21	40	9	76	0	0	0	0	15.38		2.87	4	.0	0		11	7	7	
WYNNE	74.8	55.6	65.2		94	20	35	9	68	1	0	0	0	11.25		2.60	5	.0	0		10	9	5	
DIVISION	74.6	54.7	64.7		82	20	32	9	69	0	0	1	0	7.71		2.00	23	.0	0		7	7	4	
SOUTHWEST 07																								
DE QUEEN	79.1	53.4	66.3		87	23	30	9	62	0	0	1	0	9.92		3.09	22	.0	0		10	5	4	
OIERKS	78.1	51.5	64.8		86	23	27	9	94	0	0	2	0	10.13		2.88	22	.0	0		10	7	3	
HOPE 3 NE	76.9	51.6	64.3	1.5	85	7	34	9	88	0	0	0	0	7.85	2.25	3.40	22	.0	0		8	4	2	
MOUNT IDA	76.6	52.3	64.5	4.1	84	6	27	9	88	0	0	2	0	7.12	1.68	1.86	23	.0	0		9	6	3	
NARROWS DAM	77.5	48.7	63.1		86	24	28	9	115	0	0	2	0	11.23		3.02	23	.0	0		9	8	3	
NASHVILLE PEACH SUBSTA																								
OKAY	76.2	50.2	63.2	2.9	85	24	30	9	114	0	0	1	0	12.35		4.52	22	.0	0		9	6	3	
STAMPS	80.3	54.4	67.4		87	23	32	9	52	0	0	1	0	7.90	2.88	1.95	22	.0	0		8	7	4	
TEXARKANA WB AIRPORT //R	78.9	54.9	66.9		87	6	32	9	50	0	0	1	0	9.15		4.10	22	.0	0		9	5	3	
DIVISION	77.6	56.3	67.0	3.1	86	23	36	9	49	0	0	0	0	10.06		4.76	3.43	24	.0	0		8	5	2
SOUTH CENTRAL 08																								
ARCADELPHIA	78.3	54.6	66.5		86	17	34	9	51	0	0	0	0	11.19		5.51	3.00	22	.0	0		10	5	4
CAMDEN 1	80.2	55.4	67.8	3.9	87	23	35	10	45	0	0	0	0	8.42		3.32	4.75	22	.0	0		7	5	1
EL OORADO FAA AIRPORT	78.6	55.2	66.9	2.4	86	23	34	9	49	0	0	0	0	9.75		4.28	3.01	24	.0	0		9	5	4
FOROYCE 6 W	78.5	51.6	65.1		86	16	31	9	80	0	0	2	0	9.61		2.70	22	.0	0		13	6	3	
MAGNOLIA 3 N	79.5	54.6	67.1	2.3	86	23	33	9	48	0	0	0	0	9.40		3.88	4.25	25	.0	0		7	5	2
MOROBAY LOCK AND DAM 8																								
PRESCOTT	77.0	55.2	66.1		85	24	36	10	66	0	0	0	0	10.56		4.19	6	.0	0		8	6	3	
SPARKMAN 3 WSW	79.5	55.9	67.7	3.6	85	20	36	9	37	0	0	0	0	10.90		5.54	4.60	22	.0	0		8	5	5
WARREN	77.9	56.1	67.0	2.3	85	20	35	9	47	0	0	0	0	9.75		4.28	6	.0	0		10	6	3	
DIVISION			66.8	3.0										9.95		4.63		.0						
SOUTHEAST 09																								
CROSSETT 7 S	78.6	56.0	67.3	3.5	86	27	33	9	48	0	0	0	0	6.91	1.60	1.91	24	.0	0		7	5	3	
CUMMINS FARM	71.9M	53.7	62.8M		78	20	36	10	104	0	0	0	0	10.87		3.19	5	.0	0		9	7	3	
DERMOTT 3 NE	76.4	56.3	66.4		83	23	35	10	59	0	0	0	0	7.27		1.75	27	.0	0		7	6	4	
OUMAS	76.7	55.2	66.0	2.2	84	27	36	9	54	0	0	0	0	12.31		4.10	6	.0	0		8	6	3	
EUODRA	79.7	56.7	68.2		86	23	37	9	40	0	0	0	0	8.91		2.08	26	.0	0		8	6	5	
MONTICELLO 3 S																								
PINE BLUFF	76.8	55.5	66.2		84	27	30	9	62	0	0	1	0	11.21		4.67	5	.0	0		7	6	4	
PINE BLUFF FAA AIRPORT	77.8	54.7	66.3	1.8	86	20	38	10	58	0	0	0	0	10.66	5.30	2.00	22	.0	0		9	7	6	
PORTLAND	76.5	56.5	66.5		86	20	39	9	52	0	0	0	0	10.39		2.61	21	.0	0		9	5	4	
ROHWER 2 NNE	76.1	52.7	64.4	.5	84	24	37	9	74	0	0	0	0	8.57		2.50	25	.0	0		8	6	4	
STAR CITY 2 S	76.9	55.9	66.4		84	21	38	10	48	0	0	0	0	10.54		2.68	21	.0	0		9	6	4	
DIVISION			66.1	2.3										9.76		4.62		.0						

See Reference Notes Following Station Index













# EVAPORATION AND WIND

ARKANSAS  
APRIL 1964

Station		Day Of Month																															Total or Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NORTH CENTRAL 02																																	
MOUNTAIN HOME C OF ENG	EVAP	.18	.13	.23	.18	-	.04	.28	.22	-	.24	.20	.12	.21	.13	.27	.35	.26	.16	.21	.19	.11	.27	.23	.14	.14	.08	.21	.16	.21	5,72B 1608 78.4 51.5		
	WIND	38	77	113	57	57	9	53	82	44	10	20	63	74	30	42	54	73	67	44	76	104	74	42	40	35	48	52	45	50		35	
	MAX	71	63	76	74	50	67	79	77	-	71	77	72	62	75	75	78	81	80	90	91	85	82	95	94	89	88	76	87	81		88	
	MIN	37	44	56	48	44	48	39	-	39	45	49	40	48	45	54	54	58	62	67	67	58	58	63	63	62	43	53	51	50			
WEST CENTRAL 04																																	
RUSSELLVILLE 3 NNW	EVAP	.17	.23	.17	.19	.36	.36	.25	.27	.19	.21	.27	.06	.23	.09	.49	.36	.26	.14	.20	.27	.13	.15	.21	.11	.09	-	.22	.32	.29	.16	6,67B 1428 78.1 56.4	
	WIND	43	88	67	65	71	50	57	85	39	50	52	69	61	61	102	*	31	25	27	47	35	26	*	46	18	27	32	59	33	62		
	MAX	72	80	75	64	72	76	76	70	72	76	74	67	82	78	81	85	84	80	86	84	82	85	86	84	78	72	81	79	83	79		
	MIN	47	60	63	56	55	55	44	40	42	51	55	50	48	45	52	61	66	68	69	68	61	65	66	66	66	55	55	53	55			
CENTRAL 05																																	
BLAKELY MOUNTAIN OAM	EVAP	.11	.23	.12	-	.13	.09	.20	.19	.20	.13	.14	.10	.05	.20	.20	.24	.26	.17	.11	.16	.12	.03	-	-	.12	.08	.05	.26	.23	.20	4,58B 1211	
	WIND	22	70	60	67	64	15	26	112	50	23	27	41	56	29	33	26	39	45	24	49	60	19	36	27	24	27	22	38	43	37		
NIMROO OAM	EVAP	.10	.10	.10	.15	.11	.13	.17	.17	.17	.12	.18	.07	.11	.16	.20	.19	.26	.13	.09	.09	.07	.02	.07	-	-	.00	.07	.12	.17	.19	3,76B 446	
	WIND	5	31	39	40	51	7	12	10	22	7	8	12	19	6	10	10	22	15	9	14	24	8	11	6	6	5	7	9	14	7		
EAST CENTRAL 06																																	
STUTTART 9 ESE	EVAP	.16	.20	.07	.42	.11	-	.18	.23	.19	.16	.21	.23	.05	.19	.23	.29	.29	.22	.13	.20	.29	.16	-	.30	.01	.12	.16	.31	.29	.23	6,03B 2842 78.1 56.6	
	WIND	39	172	202	122	96	89	80	158	80	18	43	128	125	27	44	54	116	117	109	147	185	110	66	71	31	46	84	121	110	52		
	MAX	78	75	68	79	76	69	83	81	69	76	81	75	67	81	85	87	85	80	84	84	85	75	88	72	70	72	72	83	80	83		
	MIN	42	53	58	62	61	56	56	45	42	43	48	51	57	54	53	53	54	59	65	68	68	64	64	64	63	63	62	59	56	56		
SOUTHWEST 07																																	
HOPE 3 NE	EVAP	.16	.13	.21	.12	.16	.26	.24	.21	.09	.18	.16	.19	.17	.19	.19	.26	.28	.22	.14	.25	.09	-	.29	.04	.35	.07	-	.29	.13	.25	5,70B -	
	WIND	18	108	110	2	10	8	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	33			
NARROWS OAM	EVAP	.12	.23	.19	.00	.15	.11	.20	.22	.17	.18	.21	.08	.14	.20	.24	.23	.29	.28	.09	.09	.19	-	-	.18	.06	.11	.14	.24	.25	.27	5,21B 1320 75.2 55.5	
	WIND	18	103	102	54	57	23	41	81	39	19	28	24	72	18	42	29	55	58	30	72	97	27	37	41	20	11	15	36	49	22		
	MAX	67	69	62	75	75	77	78	72	67	72	76	60	75	80	79	80	81	78	77	83	82	72	87	88	78	75	66	65	78	81		
	MIN	53	57	57	65	66	50	50	47	40	40	44	48	52	50	49	49	52	60	65	65	68	61	60	64	62	62	54	56	65	53		
SOUTH CENTRAL 08																																	
WARREN	EVAP	.20	.13	.07	.10	.10	-	.18	.23	.11	.17	.18	.20	-	.26	.20	.28	.30	.14	.01	.30	.21	.11	.09	.19	.10	-	.33	.27	.22	5,40B -		
	WIND	-	-	-	-	-	-	-	-	-	11	26	56	38	8	13	25	45	47	38	44	71	36	29	45	18	30	32	66	33		13	
	MAX	84	86	73	83	78	76	92	85	72	78	88	71	75	91	92	92	96	87	92	84	87	78	87	87	70	80	69	84	83		89	
	MIN	35	46	51	57	65	60	52	51	45	45	40	50	51	47	47	47	55	54	66	70	68	65	57	67	62	62	62	60	57	58		

See reference notes following Station Index.

# DAILY SOIL TEMPERATURES

ARKANSAS  
APRIL 1964

Station	Day of month																															Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WARREN 4 INCHES	MAX MIN	65 52	67 57	73 61	70 63	68 68	73 62	74 69	70 65	70 60	71 60	66 57	71 60	73 51	74 64	75 63	75 62	72 63	75 67	75 68	77 70	73 71	74 71	78 70	74 72	75 70	72 68	75 68	76 68	78 68	77 68	72.9 64.5

SLOPE OF GROUND: LEVEL AT STATION, GENTLY ROLLING VICINITY. SOIL TYPE: SANDY LOAM. GROUND COVER: GRASS. INSTRUMENTATION: PALMER SOIL THERMOMETERS. MAX AND MIN FOR 24 HOURS ENDING AT 7 A. M.

## SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m p. h.				Relative humidity averages percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	MIDNIGHT CST	6:00 AM CST	NOON CST	6:00 PM CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
FORT SMITH WB AIRPORT	20	6	9.0	34	W	12	75	83	47	44	5	5	1	2	0	2	15	52	6.0
LITTLE ROCK WB AIRPORT	18	9	9.4	40	NE	4	76	82	58	60	4	3	2	5	4	0	18	56	6.0
TEXARKANA WB AIRPORT	18	10	7.5	-	-	-	82	84	61	61	2	4	3	3	0	2	14	-	-

DIRECTIONS ENTERED IN FIGURES ARE TENS OF DEGREES.



REFERENCE NOTES

Additional information regarding the climate of Arkansas may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Adams Field, Little Rock, Arkansas 72202 or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for January 1957.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min refers to extremes of temperature of water in pan as recorded during the 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C,G,H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.

G "Soil Temperature" Table.

H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and or snow on ground in that month.

J "Supplemental Data" Table.

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

/ Gage is equipped with a windshield.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

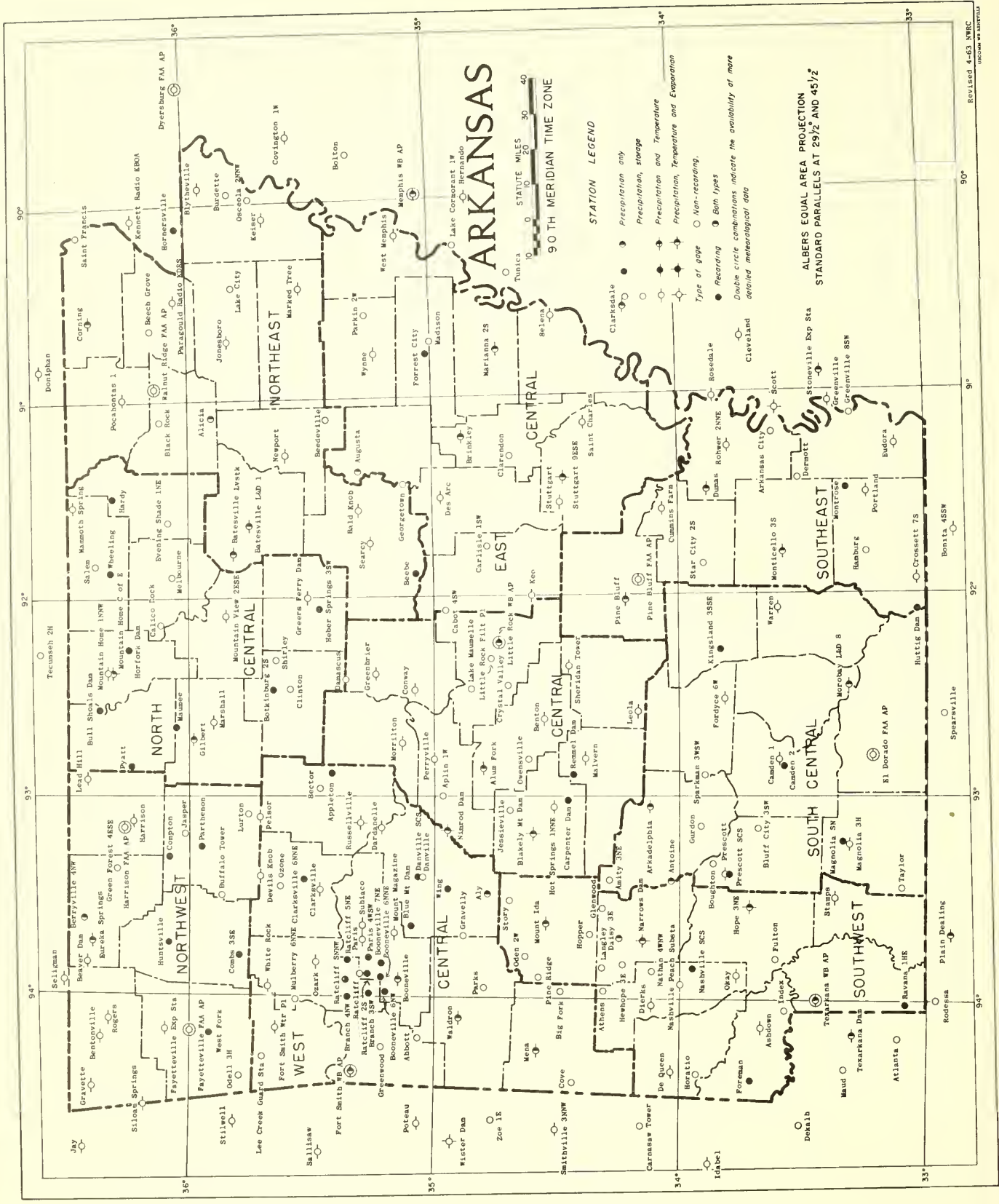
T Trace, an amount too small to measure.

V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. for 45 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual, \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.



# ARKANSAS

90 TH MERIDIAN TIME ZONE  
 0 10 20 30 40  
 STATUTE MILES

### STATION LEGEND

- Precipitation any
  - Precipitation, storage
  - Precipitation and Temperature
  - Precipitation, Temperature and Evaporation
  - Type of gage
  - Non-recording
  - Recording
  - Both types
- Double circle combinations indicate the availability of more detailed meteorological data

ALBERS EQUAL AREA PROJECTION  
 STANDARD PARALLELS AT 29 1/2° AND 45 1/2°





*[Faint, illegible handwritten text]*

U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
ROBERT M. WHITE, Chief

# CLIMATOLOGICAL DATA

## ARKANSAS

MAY 1964

Volume 69 No. 5



TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 99° on the 26th at Sparkman 3 WSW

Lowest Temperature: 36° on the 13th at Gravette

Greatest Total Precipitation: 7.05 inches at Greenwood

Least Total Precipitation: 0.54 inch at Stuttgart 9 ESE

Greatest One-Day Precipitation: 4.00 inches on the 11th at Clinton

SPECIAL WEATHER SUMMARY

May was a dry month. The last effect of the April rains was noted when the Ouachita River fell below flood stage at Camden on May 6. The only rain of consequence during the month was small in area and restricted to the north half of the State occurring early in the second week. On the weekend of the 9th and 10th showers and thunderstorms totaled 2 to 5 inches and were confined to the Arkansas River Valley areas upstream from Little Rock. Minor flooding was experienced in the Fort Smith area together with some wind damage. Runoff from this storm resulted in an 8- to 12-foot rise on the Arkansas River throughout most of the State. The Arkansas River crested at 11.62 feet at Little Rock early on the 14th.

Also associated with this general storm there was minor hail and wind damage on the 11th in the vicinity of Walnut Ridge.

A hot spell occurred during the 3-day period beginning the 25th. Maximum temperatures averaged in the middle and upper nineties and records were equalled or broken at many locations. A cold frontal passage on the 28th completely reversed the temperature pattern and mean temperatures on the 30th and 31st were in the sixties. Furnace heat was necessary in many localities on this weekend.

R. O. Reinhold  
 Weather Bureau State Climatologist  
 Weather Bureau Airport Station  
 Adams Field  
 Little Rock, Arkansas 72202













DAILY TEMPERATURES

ARKANSAS  
MAY 1964

Continued

Table with columns: Station, Day Of Month (1-31), Average. Rows include locations like WEST CENTRAL 04, APPLETON, BOONEVILLE, CLARKSVILLE, DARDANELLE, DEVILS KNOB, FORT SMITH WB AIRPORT, FORT SMITH WATER PLANT, MENA, MOUNT MAGAZINE, OZARK, PARIS, RUSSELLVILLE 4 N, SUBIACO, WALDRON, WHITE ROCK, CENTRAL 05, ALUM FORK, BENTON, BLAKELY MOUNTAIN DAM, CONWAY, GREENBRIER, HOT SPRINGS 1 NNE, LEOLA, LITTLE ROCK WB AIRPORT, MALVERN, MORRILTON, NIMROD DAM, PERRYVILLE, SHERIDAN TOWER, EAST CENTRAL 06, ARKANSAS POST, BRINKLEY, DES ARC, FORREST CITY, MELENA, KEO, MARIANNA 2 S, SAINT CHARLES.

See Reference Notes Following Station Index







REFERENCE NOTES

Additional information regarding the climate of Arkansas may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Adams Field, Little Rock, Arkansas 72202, or to any Weather Bureau Office near you.

DIMENSIONAL UNITS: Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles, Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F. In "Supplemental Data" table directions entered in figures are tens of degrees.

OBSERVATION TIME: The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time. Snow on ground in the "Snowfall and Snow on Ground" table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 6:00 a.m., C.S.T. Data in the "Extremes" table, "Daily Precipitation" table, "Daily Temperature" table, "Evaporation and Wind" table, and snowfall in the "Snowfall and Snow on Ground" table, when published, are for the 24 hours ending at time of observation.

EVAPORATION is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" table. Max and Min in "Evaporation and Wind" table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

WATER EQUIVALENT values published in the "Snowfall and Snow on Ground" table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

SNOWFALL: Entries of snowfall in the "Climatological Data" table, the "Snowfall and Snow on Ground" table, and in the "Seasonal Snowfall" table, include snow and sleet. Entries of snow on ground include snow, sleet, and ice.

NORMALS for all stations are climatological standard normals based on the period 1931-1960.

DIVISIONS, as used in this publication, became effective with data for January 1957.

STATION NAMES: Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

SEASONAL TABLES: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

DELAYED DATA AND CORRECTIONS will be carried only in the June and December issues of this bulletin.

INTERPOLATED VALUES for monthly precipitation totals may be found in the annual issue of this publication.

IN THE DATA TABLES THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- No record in the "Supplemental Data" table, "Daily Precipitation" table, "Evaporation and Wind" table, "Snowfall and Snow on Ground" table, and the Station Index.  
No record in the "Climatological Data" table and the "Daily Temperature" table is indicated by no entry.
- + And also on an earlier date or dates.
- ++ Highest observed one minute windspeed. This station is not equipped with an instrument to measure fastest mile data.
- \* Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- T Trace, an amount too small to measure.
- V Includes total for previous month.

IN THE STATION INDEX THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- AR This entry in time of observation column in Station Index means after rain.
- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" table.
- H "Snowfall and Snow on Ground" table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" table.
- SS This entry in time of observation column in Station Index means observation made near sunset.
- VAR This entry in time of observation column in Station Index means variable.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, this reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

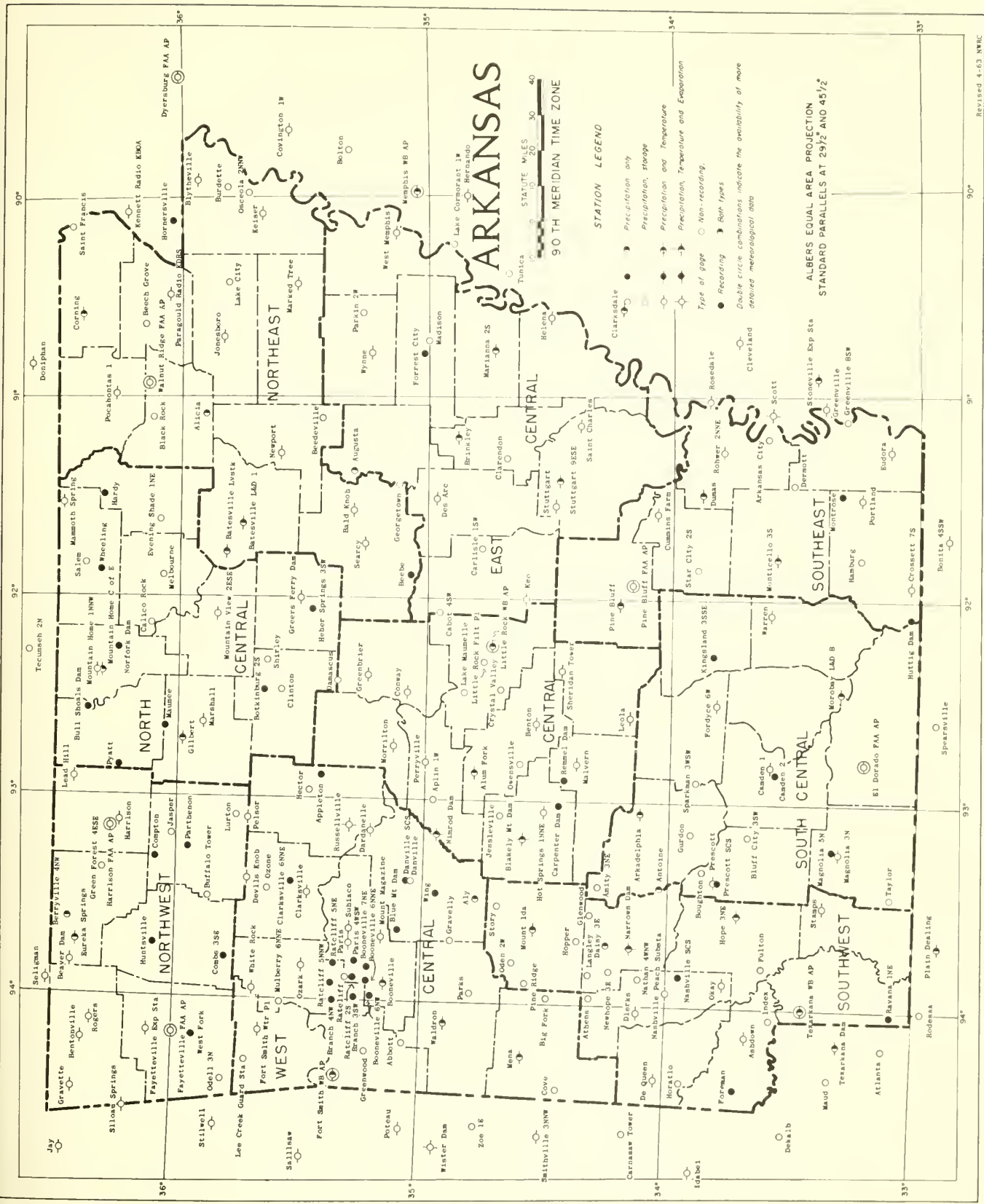
Stations appearing in the Index, but for which data are not listed in the tables, were either missing or received too late to be included in this issue.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

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USCOMM-WB-Asheville, N. C. -7/15/64-900



# ARKANSAS

90° TH MERIDIAN TIME ZONE

### STATION LEGEND

- Precipitation only
- Precipitation, storage
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation
- Type of gage
- Non-recording
- Recording
- Rain types
- Double circle combinations indicate the availability of more detailed meteorological data

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29°2' AND 45°2'









U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

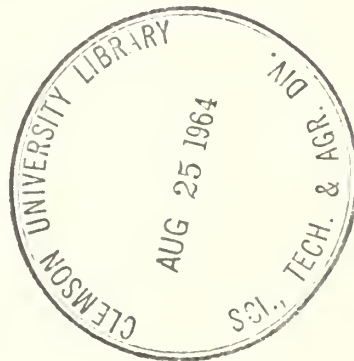
ROBERT M. WHITE, Chief

# CLIMATOLOGICAL DATA

## ARKANSAS

JUNE 1964

Volume 69 No. 6



TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 102° on the 23d at Searcy and on the 22+ at Booneville

Lowest Temperature: 40° on the 1st at Gravette

Greatest Total Precipitation: 7.83 inches at Gravette

Least Total Precipitation: 0.12 inch at Hopper

Greatest One-Day Precipitation: 3.95 inches on the 17th at Fayetteville Exp Sta

SPECIAL WEATHER SUMMARY

Dry weather and a continuation of the general drought conditions persisted through the month of June. Except for the extreme north-central and northwest counties, monthly rainfall amounts fell 2 to over 3 inches below the June normals. Some crop damage was sustained in the latter half of the month. A few farmers started to irrigate cotton and soybeans during the last week of the month.

Only a few occurrences of severe weather were reported. On the 12th a windstorm with a possible funnel cloud did some damage and dumped 2 inches of rain in the extreme northwest, or the "4-state" area. On the 17th a tornado,

or tornadic winds, damaged a resort in the Bull Shoals vicinity. On the same date damaging winds were reported at De Queen in the southwest.

R. O. Reinhold  
Weather Bureau State Climatologist  
Weather Bureau Airport Station  
Adams Field  
Little Rock, Arkansas 72202

















# DAILY SOIL TEMPERATURES

ARKANSAS  
JUNE 1964

STATION AND DEPTH	Day of month																															Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WARREN 4 INCHES	MAX MIN	78 72	81 69	83 70	81 72	84 73	85 74	88 75	90 76	87 76	92 79	94 81	94 82	94 84	95 83	93 84	85 85	92 79	93 82	94 73	96 83	98 85	99 86	92 86	97 85	98 85	99 84	95 83	98 85	95 85	93 86	91.4 80.1

SLOPE OF GROUND; LEVEL AT STATION, GENTLY ROLLING VICINITY. SOIL TYPE; SANDY LOAM. GROUND COVER; GRASS. INSTRUMENTATION; PALMER SOIL THERMOMETERS. MAX AND MIN FOR 24 HOURS ENDING AT 7 A. M.

## EVAPORATION AND WIND

Station	Day Of Month																															Total Avg.		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
NORTH CENTRAL 02 MOUNTAIN HOME C OF ENG	EVAP WIND MAX MIN	.12 10 82 55	.17 15 89 58	.13 5 84 57	.22 10 96 68	.06 5 90 64	.20 8 94 62	.16 17 94 67	.17 90 95 68	.33 30 102 70	.26 5 108 82	.22 10 107 72	.23 31 107 71	.29 6 96 72	.05 21 95 72	.25 19 91 74	.22 18 85 71	.12 29 90 70	.12 41 92 71	.20 46 96 72	.23 22 100 73	.25 12 97 71	.26 29 96 73	.28 29 97 72	.26 23 96 73	.23 19 95 65	.24 20 95 65	.25 19 96 66	.28 18 96 67	.24 22 95 67	.25 24 96 71	.28 39 97 73	.24 45 96 63	6.29 6.71 93.6 68.1
WEST CENTRAL 04 RUSSELLVILLE 4 N	EVAP WIND MAX MIN	.16 - - -	.21 - - -	.23 - - -	.05 - - -	.40 - - -	.01 - - -	.03 - - -	.22 - - -	.36 - - -	.37 - - -	.13 - - -	.01 - - -	- - - -	.40 - - -	.22 - - -	.12 - - -	.09 - - -	.19 - - -	.25 - - -	.31 - - -	.24 - - -	.19 - - -	.36 - - -	.33 - - -	.31 - - -	.28 - - -	.34 - - -	.35 - - -	.30 - - -	.27 - - -	.20 - - -	6.898 - - -	
CENTRAL 05 BLAKELY MOUNTAIN DAM	EVAP WIND	.07 37	.18 26	.24 32	.16 20	.10 18	.14 17	.18 35	.18 48	.25 31	.17 27	.23 29	.25 35	.30 33	.28 36	.32 11	.03 7	.01 11	.10 7	.19 29	.17 32	.29 34	.30 28	.25 29	.18 45	.33 37	.29 30	.29 17	.21 26	.20 23	.14 38	6.03 835		
NIMROD DAM	EVAP WIND	.06 4	.17 4	.12 5	.17 5	.05 1	.22 5	.13 2	.24 10	.17 20	.18 13	.25 6	.26 10	.21 13	.29 11	.11 7	.00 1	.16 10	.15 13	.18 12	.27 13	.31 10	.27 11	.30 11	.29 12	.26 9	.27 9	.19 10	.16 7	.14 17	5.58 274			
EAST CENTRAL 06 STUTTART 9 ESE	EVAP WIND MAX MIN	.05 47 66 57	.22 36 89 58	.27 45 87 63	.28 21 95 63	.27 12 87 64	.27 25 92 65	.34 33 92 67	.42 33 94 70	.33 132 101 77	.35 108 101 77	.38 56 101 74	.39 54 99 71	.40 82 99 71	.41 82 99 72	.23 76 87 73	.12 36 88 73	.24 81 95 74	.35 127 94 74	.38 121 95 74	.50 97 98 74	.42 54 98 74	.35 48 98 74	.38 71 101 76	.41 46 101 71	.39 67 95 69	.38 38 96 66	.24 31 97 67	.29 24 98 73	.13 57 84 73	9.46 1929 93.8 70.3			
SOUTHWEST 07 HOPE 3 NE	EVAP WIND	.05 15	.20 27	.21 26	.11 16	.36 25	.17 21	.24 14	.26 42	.17 61	.34 48	.16 32	.33 33	.26 35	.25 35	.17 19	.13 7	.08 32	.30 27	.27 60	.07 41	.16 24	.37 32	.23 32	.23 24	.16 25	.31 26	.27 17	.38 24	.24 16	6.80 893			
NARROWS DAM	EVAP WIND MAX MIN	.13 15 71 62	.18 11 87 60	.18 14 83 60	.14 10 87 60	.13 13 81 66	.14 14 92 64	.18 14 92 75	.23 35 93 70	.21 53 92 69	.23 33 96 71	.16 15 96 74	.30 24 97 71	.28 27 97 71	.27 27 97 72	.27 9 96 71	.05 11 76 71	.03 28 79 76	.19 48 92 72	.20 37 95 65	.21 20 96 65	.22 28 100 65	.28 27 100 72	.27 25 95 62	.23 18 97 67	.29 18 98 66	.28 11 98 66	.32 17 97 68	.08 23 93 68	.22 15 96 72	.13 13 91 73	6.02 646 91.0 68.4		
SOUTH CENTRAL 08 WARREN	EVAP WIND MAX MIN	.05 6 80 57	.16 4 86 57	.17 9 91 60	.43 9 96 63	.16 12 90 63	.22 18 97 65	.27 31 98 68	.31 39 98 70	.24 30 103 70	.29 24 103 75	.27 26 104 75	.32 28 103 74	.28 28 102 74	.34 28 101 75	.23 24 96 74	.13 12 88 72	.21 29 98 72	.29 41 98 73	.31 37 100 73	.30 41 100 73	.36 34 100 74	.32 45 100 75	.15 15 92 73	.35 11 92 69	.31 11 98 68	.30 9 99 67	.23 11 97 71	.30 21 97 73	.27 24 95 73	7.57 622 97.5 69.8			

## SUPPLEMENTAL DATA

Station	Wind direction		Average	Wind speed m. p. h.			Relative humidity averages percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing		Fastest mile	Direction of fastest mile	Date of fastest mile	MIDNIGHT CST	6:00 AM CST	NOON CST	6:00 PM CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
FORT SMITH W8 AIRPDRT	22	7	6.9	23	SW	15	81	86	48	45	5	2	0	1	0	0	8	72	5.0
LITTLE ROCK W8 AIRPDRT	24	9	8.1	34	SE	27	77	85	50	51	2	3	1	0	0	0	6	77	4.5
TEXARKANA W8 AIRPORT	19	8	5.8	-	-	-	85	91	63	61	2	2	1	1	1	0	7	-	-

See reference notes following Station Index

# CLIMATOLOGICAL DATA

ARKANSAS  
DELAYED DATA

Station	Temperature										Precipitation													
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days			
										Max.		Min.						Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More	
										90° or Above	32° or Above	32° or Below	50° or Below											0° or Below
JANUARY 1963																								
LEOLA	49.7	23.4	36.6		76	10	1	24+	876	0	5	23	0											
SEPTEMBER 1963																								
ALICIA BEEDEVILLE	84.1M	57.6M	70.9M						16	7	0	0	0											
OCTOBER 1963																								
ALICIA BEEDEVILLE	86.0M 86.7	50.6M 51.0	68.3M 68.9		96 95	11 11	32 31	30+ 30	33 34	7 10	0 0	2 1	0 0											
NOVEMBER 1963																								
ALICIA BEEDEVILLE MONTICELLO 3 S	65.8M 64.7 67.6M	39.7M 40.5 42.0M	52.8M 52.6 54.8M		81 78 79	1 10+ 6	23 25 20	14 15+ 14	370 374 306	0 0 0	0 0 0	10 7 7	0 0 0			1.09	28		.0	0		7	3	1
DECEMBER 1963																								
ALICIA BEEDEVILLE CALICO ROCK FORREST CITY MONTICELLO 3 S	42.1 41.8 44.5 43.7M 48.3M	21.3 22.5 20.5 22.8M 27.3M	31.7 32.2 32.5 33.3M 37.8M		74 66 74 65 68	6 6 7 6+ 7	- 4 - 4 - 4 1 1	24 24 24 24 24	1025 1011 1000 978 837	0 0 0 0 0	8 8 7 3 2	27 26 28 24 20	1 1 1 0 0			1.65	11	13.0	13	23	5	2	1	
JANUARY 1964																								
HUNTSVILLE	54.9	23.0	39.0		72	22	2	13	801	0	1	23	0	.78		.35	31	1.3	0		2	0	0	
FEBRUARY 1964																								
APPLETON HUNTSVILLE	49.9	24.1	37.0		64	26	8	22	802	0	0	23	0	2.40		1.60	5	T	T	19+	4	1	1	
MARCH 1964																								
APPLETON	64.5	51.1	57.8		75	31+	36	4	229	0	0	0	0	7.86		4.60	9	.0	0		7	3	2	
APRIL 1964																								
SPARKMAN 3 WSW	M	M	M																					

See Reference Notes Following Station Index

# DAILY TEMPERATURES

ARKANSAS  
DELAYED DATA

Station	Day Of Month																															Average			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
JANUARY 1963																																			
LEOLA	MAX MIN	64 25	65 34	63 30	55 39	53 47	52 40	54 24	66 32	67 35	76 54	69 41	43 15	28 9	39 1	47 6	50 10	59 18	64 28	58 30	34 14	47 14	62 24	58 13	29 1	29 8	29 26	27 9	35 4	36 29	40 33	43 31	49.7 23.4		
SEPTEMBER 1963																																			
ALICIA	MAX MIN											90 66	94 72	81 62	71 59	79 59	78 66	79 64	90 60	91 55	89 56	89 61	79 58	82 48	78 48	82 42	85 52	81 55	84 54	74 49	76 38				
BEEEOVILLE	MAX MIN										96 65	93 67	95 70	77 63	71 57	81 60	77 67	82 64	92 59	92 57	94 56	93 59	82 59	84 48	80 54	82 43	85 42	79 60	85 60	72 60	75 40			84.1 57.6	
OCTOBER 1963																																			
ALICIA	MAX MIN	81 49	87 45	91 51	86 50	88 46	90 48	91 51	89 53	86 47	92 48	96 55	89 57	90 55	91 55	89 53	87 60	85 56	87 59		88 50	89 48	88 48	85 50	84 53	84 51	85 54	89 55	73 55	65 32	70 32		86.0 50.6		
BEEEOVILLE	MAX MIN	81 40	86 49	92 55	87 50	89 46	90 51	91 52	92 54	88 50	92 48	95 55	92 57	93 53	93 56	91 55	86 59	88 59	88 55		88 55	89 52	89 48	88 47	85 50	85 59	85 51	89 52	89 54	76 50	64 39	70 31	80 48	86.7 51.0	
NOVEMBER 1963																																			
ALICIA	MAX MIN	81 49	61 30	66 28	60 48	72 51	78 55	70 39	65 43	69 41	80 35	73 28	63 32	54 29	53 23	56 24	70 48	77 63	69 49		60 38	74 59	69 50	68 59	60 34	60 26	68 30	68 37	68 32	57 35	55 35		65.8 39.7		
BEEEOVILLE	MAX MIN	73 45	61 33	67 30	60 48	74 56	78 55	71 41	68 46	69 47	78 34	73 41	64 37	50 30	52 25	57 25	70 44	75 63	70 48		60 42	68 55	72 51	68 48	52 36	54 28	56 31	64 38	68 34	58 38	57 35	53 32	64.7 40.5		
MONTICELLO 3 S	MAX MIN	60 46	66 21	68 39	70 49	77 58	79 49	76 39	70 50		74 41	71 47	65 43	59 25	55 20	61 28	73 50	76 53	71 53		76 53	74 60	74 57	75 60	61 38	58 25	65 31	64 41	69 33	58 44	54 37	60 29	67.6 42.0		
OCTOBER 1963																																			
ALICIA	MAX MIN	52 29	57 25	54 16	51 26	62 24	74 33	59 46	58 34	45 31	39 24	38 32	46 26	34 24	32 14	32 12	27 16	36 13	35 18		33 18	30 20	24 12	22 14	30 14	37 -4	51 14	55 33	48 25	37 24	40 19	36 16	32 11	42.1 21.3	
BEEEOVILLE	MAX MIN	57 25	49 34	53 26	53 28	62 27	66 35	62 44	61 34	48 30	42 33	39 34	37 29	34 27	32 17	31 15	32 16	37 16	35 16		34 42	29 55	26 51	22 14	28 12	35 -4	48 15	55 29	45 28	38 27	40 20	33 17	32 12	41.8 22.5	
CALICO ROCK	MAX MIN	51 26	58 19	59 30	60 25	51 25	66 23	74 25	64 45	50 37	46 31	40 22	36 34	37 25	35 21	31 12	35 8	32 16	31 17		35 5	32 22	26 12	25 15	26 5	50 -4	65 15	59 31	52 27	41 27	41 18	37 16	35 5	44.5 20.5	
FORREST CITY	MAX MIN				56 27	65 27	65 38	63 47	62 32	51 29	48 27	42 37	37 30	34 29	33 20	35 11	37 14	40 16	36 24		49 11	33 26	27 13	24 14	28 13	39 1	50 19	59 35	52 24	43 26	45 18	37 17	33 12	43.7 22.8	
MONTICELLO 3 S	MAX MIN	59 24	64 46	60 25	61 27	65 29	65 26	68 48	65 35	54 32	49 29	45 39	40 32	36 33	34 26	36 10	40 17	41 18	39 25		35 20	27 21					61 36	50 27	47 27	44 19	38 25	32 14	48.3 27.3		
JANUARY 1964																																			
HUNTSVILLE	MAX MIN	49 9	60 22	68 26	55 16	57 15	49 23	52 12	60 40	49 21	42 19	42 28	35 16	28 2	40 6	46 6	45 10	56 18	66 20		68 35	65 26	69 36	72 49	70 39	59 33	53 24	66 24	68 26	51 14	61 22	55 40	45 36	54.9 23.0	
FEBRUARY 1964																																			
APPLETON	MAX MIN																																		
HUNTSVILLE	MAX MIN	58 23	63 24	53 32	60 38	50 38	46 37	40 22	50 22	52 26	45 29	47 15	41 33	45 24	51 10	44 33	54 29	55 24	50 37		43 29	36 20	35 12	43 8	48 21	55 14	60 23	64 23	58 15	47 24	54 15		49.9 24.1		
MARCH 1964																																			
APPLETON	MAX MIN	68 55	61 55	72 65	68 36	62 37	70 59	67 55	72 57	66 40	56 41	62 51	64 54	68 55	75 62	65 60	73 61	72 64	70 57		58 47	52 40	52 42	57 47	66 54	65 60	70 42	52 42	63 47	61 52	61 52	56 46	75 48	64.5 51.1	
APRIL 1964																																			
SPARKMAN 3 WSW	MAX MIN	79 48	81 60	81 60	78 64	84 44	78 62	64 42	67 32	77 35		78 40					93 42	83 40	85 45	84 55															

# DAILY PRECIPITATION

ARKANSAS  
DELAYED DATA

Station	Total	Day of Month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
JULY 1963																																
PINE RIDGE	3.33						.51	.12					.51	.25								.99						.12	.68	.18	.	
AUGUST 1963																																
PINE RIDGE	.59					.25	.05		.10	.09	.02																			.05	.03	
SEPTEMBER 1963																																
MELBOURNE	.60																															
PINE RIDGE	1.80					.31	.60	.90			.49																	.10			.	
OCTOBER 1963																																
PINE RIDGE	T																														T	.
NOVEMBER 1963																																
MONTICELLO 3 S	3.75			.23	.71															.11	.39	.25	.90	.02				1.09	.05		.	
PINE RIDGE	1.07																			T		.71	.36								.	
DECEMBER 1963																																
FORREST CITY	3.44								.38	.22	1.65	T									T	.85	.36								.	
MONTICELLO 3 S	-	.05	.01				.39	.53	3.68	.03										.23											.	
PINE RIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.	
JANUARY 1964																																
GREEN FOREST 4 ESE	.19									.19																						.
HUNTSVILLE	.78								.05	T	T	.05		T	T									T	.33				.62	.30	.35	.
PINE RIDGE	.92																															.
FEBRUARY 1964																																
APPLETON	1.59					T																										.
GREEN FOREST 4 ESE	2.40				1.60						.45		.15	.05	.92	.67	.15	T						T							.	
HUNTSVILLE																																.
MARCH 1964																																
APPLETON	7.86	.22	T	.49			1.08	4.60	T											.99	T				.36	.14					.	
APRIL 1964																																
SPARKMAN 3 WSW	-				.44	.38						.97	.23																			.

# STATION INDEX

STATION	INDEX NO.	DIVISION	COUNTY	DRAINAGE I	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	STATION	INDEX NO.	DIVISION	COUNTY	DRAINAGE I	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER																	
								TEMP.	PRECIP.	EVAP.	SPECIAL										TEMP.	PRECIP.	EVAP.	SPECIAL																		
ABBOTT	0004	04	SCOTT		1 35 04	94 12	624	7A					JAMES V. WILLIAMS	3821	03	MISSISSIPPI		2 35 41	90 05	232	5P	8A	UNIVERSITY OF ARKANSAS																			
ALICIA	0064	03	LAWRENCE		35 54	91 05	256	5A	7A				KEISER	3821	03	MISSISSIPPI		2 35 41	90 05	232	5P	8A	UNIVERSITY OF ARKANSAS																			
BIG FISH	0136	04	YELL		33 47	93 29	854	7A					REC	3821	03	MISSISSIPPI		2 35 41	90 05	232	5P	8A	UNIVERSITY OF ARKANSAS																			
BIG FISH	0136	04	YELL		33 47	93 29	854	7A					REC	3821	03	MISSISSIPPI		2 35 41	90 05	232	5P	8A	UNIVERSITY OF ARKANSAS																			
BIG FISH	0136	04	YELL		33 47	93 29	854	7A					REC	3821	03	MISSISSIPPI		2 35 41	90 05	232	5P	8A	UNIVERSITY OF ARKANSAS																			
BIG FISH	0136	04	YELL		33 47	93 29	854	7A					REC	3821	03	MISSISSIPPI		2 35 41	90 05	232	5P	8A	UNIVERSITY OF ARKANSAS																			
BIG FISH	0136	04	YELL		33 47	93 29	854	7A					REC	3821	03	MISSISSIPPI		2 35 41	90 05	232	5P	8A	UNIVERSITY OF ARKANSAS																			
BIG FISH	0136	04	YELL		33 47	93 29	854	7A					REC	3821	03	MISSISSIPPI		2 35 41	90 05	232	5P	8A	UNIVERSITY OF ARKANSAS																			
BIG FISH	0136	04	YELL		33 47	93 29	854	7A					REC	3821	03	MISSISSIPPI		2 35 41	90 05	232	5P	8A	UNIVERSITY OF ARKANSAS																			
BIG FISH	0136	04	YELL		33 47	93 29	854	7A					REC	3821	03	MISSISSIPPI		2 35 41	90 05	232	5P	8A	UNIVERSITY OF ARKANSAS																			
BIG FISH	0136	04	YELL		33 47	93 29	854	7A					REC	3821	03	MISSISSIPPI		2 35 41	90 05	232	5P	8A	UNIVERSITY OF ARKANSAS																			
BIG FISH	0136	04	YELL		33 47	93 29	854	7A					REC	3821	03	MISSISSIPPI		2 35 41	90 05	232	5P	8A	UNIVERSITY OF ARKANSAS																			
BIG FISH	0136	04	YELL		33 47	93 29	854	7A					REC	3821	03	MISSISSIPPI		2 35 41	90 05	232	5P	8A	UNIVERSITY OF ARKANSAS																			

\* DRAINAGE CODE: 1, ARKANSAS 2, MISSISSIPPI 3, OUACHITA 4, REO 5, SAINT FRANCIS 6, SALINE 7, WHITE



REFERENCE NOTE

Additional information regarding the Climate of Arkansas may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Adams Field, Little Rock, Arkansas 72092, or to any Weather Bureau Office near you.

**DIMENSIONAL UNITS:** Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and snow movement in mill. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F. In "Supplemental Data" table directions entered in figures are tons of degrees.

**OBSERVATION TIME:** The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time. Snow on ground in the "Snowfall and Snow on Ground" table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 6:00 a.m., C.S.T. Data in the "Extremes" table, "Daily Precipitation" table, "Daily Temperature" table, "Evaporation and Wind" table, and snowfall in the "Snowfall and Snow on Ground" table, when published, are for the 24 hours ending at time of observation.

**EVAPORATION** is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" table. Max and Min in "Evaporation and Wind" table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

**WATER EQUIVALENT** values published in the "Snowfall and Snow on Ground" table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations, consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

**SNOWFALL:** Entries of snowfall in the "Climatological Data" table, the "Snowfall and Snow on Ground" table, and in the "Seasonal Snowfall" table, include snow and sleet. Entries of snow on ground include snow, sleet, and ice.

**NORMALS** for all stations are climatological standard normals based on the period 1931-1960.

**DIVISIONS**, as used in this publication, became effective with data for January 1957.

**STATION NAMES:** Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

**SEASONAL TABLES:** Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

**DELAYED DATA AND CORRECTIONS** will be carried only in the June and December issues of this bulletin.

**INTERPOLATED VALUES** for monthly precipitation totals may be found in the annual issue of this publication.

**IN THE DATA TABLES THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING**

- No record in the "Supplemental Data" table, "Daily Precipitation" table, "Evaporation and Wind" table, "Snowfall and Snow on Ground" table, and the Station Index.
- No record in the "Climatological Data" table and the "Daily Temperature" table is indicated by no entry.
- + And also on an earlier date or dates.
- ++ Highest observed one minute windspeed. This station is not equipped with an instrument to measure fastest mile data.
- \* Amount included in following measurement, time distribution unknown.
- | Gage is equipped with a windshield.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing, if average value is entered, less than 10 days record is missing. See "Daily Temperature" table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- T Trace, an amount too small to measure.
- V Includes total for previous month.

**IN THE STATION INDEX THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING**

- AR This entry in time of observation column in Station Index means after rain.
- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" table.
- H "Snowfall and Snow on Ground" table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" table.
- SS This entry in time of observation column in Station Index means observation made near sunset.
- VAR This entry in time of observation column in Station Index means variable.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground, however, this reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

Stations appearing in the Index, but for which data are not listed in the tables, were either missing or received too late to be included in this issue.

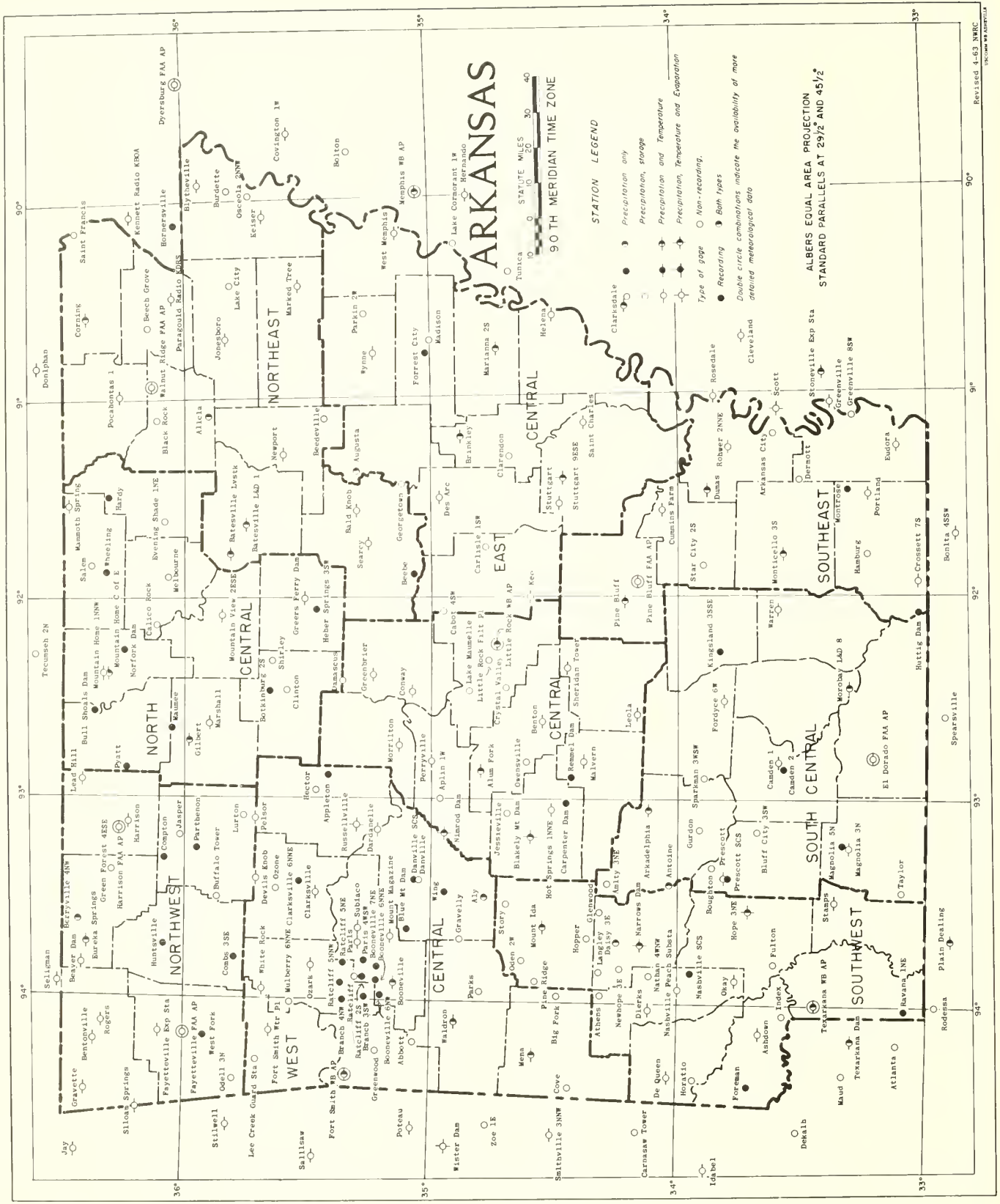
General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this State, price 45 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data, price 15 cents. These publications may be obtained from the Superintendent of Documents at the address shown above.

Subscription Price: 20 cents per copy, monthly and annual, \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

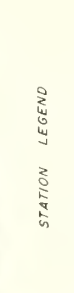
C O R R E C T I O N S

January & February 1964	Daily Precipitation Table	Melbourne	Station name Melbourne 3 WNW
January & February 1964	Index	Melbourne	Latitude 36° 04', longitude 91° 57'.
May 1964	Climatological Data Table	Newport	Average maximum temperature 82.6, average minimum temperature 61.3, average temperature 73.5, departure from normal +3.3.
May 1964	Climatological Data Table	Division 03	Average temperature 71.3, departure from normal +2.0.
May 1964	Daily Temperature Table	Newport	Maximum temperature 31st 71, minimum temperature on 31st 59, Average maximum 82.6; average minimum 61.3.



# ARKANSAS

90° TH MERIDIAN TIME ZONE



## STATION LEGEND

- Precipitation only
- Precipitation, storage
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation
- Type of page
- Non-recording
- Recording
- Both types
- Double circle combinations indicate the availability of more
- obtained meteorological data

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29½° AND 45½°

U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
ROBERT M. WHITE, Chief



# CLIMATOLOGICAL DATA

ARKANSAS

JULY 1964

Volume 69 No. 7



# CLIMATOLOGICAL DATA

ARKANSAS  
JULY 1964

Station	Temperature										Precipitation																
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days						
										Max.		Min.						Total	Departure From Normal	Greatest Day	Date	Total	Max. Depth on Ground	Date	10 or More	.50 or More	1.00 or More
										30° or Above	32° or Below	32° or Below	30° or Below														
NDRTHWEST 01																											
BEAVER DAM	93.2	65.6	79.4		101	31	52	13	0	24	0	0	0	1.93		1.39	2	.0	0		2	1	1				
BENTONVILLE	94.2	67.0	80.6		101	30	53	14	0	26	0	0	0	.63		.30	23	.0	0		3	0	0				
EUREKA SPRINGS	90.7	63.5	77.1	- 2.4	98	21	49	13	0	20	0	0	0	5.22	1.33	4.10	1	.0	0		3	3	1				
FAYETTEVILLE FAA AR	93.6	65.8	79.7		100	25	50	14	0	25	0	0	0	.26		.09	26	.0	0		0	0	0				
FAYETTEVILLE EXR STA	94.7	67.1	80.9	1.7	100	21	52	13	0	27	0	0	0	.50	3.13	.21	26	.0	0		2	0	0				
DIVISION																											
			79.9	.7										1.90	1.77			.0									
NDRTH CENTRAL 02																											
CALICO RDCK	95.3	65.4	80.4		106	20	52	14	0	27	0	0	0	4.45	1.00	1.12	11	.0	0		7	4	3				
EVENING SHADE 1 NE	95.2	67.2	81.2		104	7	55	14	0	27	0	0	0	2.05		1.03	11	.0	0		4	1	1				
GILBERT	96.3	61.7	79.0		105	7	48	14	0	28	0	0	0	1.72		.71	12	.0	0		5	1	0				
GREERS FERRY DAM	93.1	69.0	81.1		101	8	58	14	0	25	0	0	0	4.45		1.25	2	.0	0		6	4	2				
MAMMOTH SPRING	93.6M	65.8M	79.7M	.5	102	20	51	14	0	28	0	0	0	2.82		1.07	1	.0	0		6	2	1				
DIVISION																											
			80.3	.8										3.04	.38			.0									
NDRTHEAST 03																											
ALICIA	94.1M	69.5M	81.8M		104	7	57	14	0	26	0	0	0	2.04		.87	28	.0	0		4	2	0				
BALD KNOB	93.7	68.8	81.3		102	7	57	14	0	25	0	0	0	3.23		1.10	11	.0	0		7	2	1				
BATESVILLE LIVESTOCK	95.3	66.8	81.1		104	7	55	13	0	27	0	0	0	4.59		2.70	11	.0	0		5	2	1				
BATESVILLE L AND D #1	92.6	67.4	80.0		102	7	55	15	0	26	0	0	0	5.25	1.44	3.40	11	.0	0		7	1	1				
BEECHVILLE	93.8	69.9	81.9		104	7	60	14	0	26	0	0	0	2.58		1.44	11	.0	0		4	2	1				
DIVISION																											
			81.3	.4										3.35	.33			.0									
WEST CENTRAL 04																											
ARRLETON	96.8	64.5	80.7		104	20	48	13	0	28	0	0	0	1.90		1.25	22	.0	0		4	1	1				
BODNEVILLE	100.2	68.9	84.6	2.2	107	29	54	14	0	28	0	0	0	2.88	.34	1.95	10	.0	0		4	1	1				
CLARKSVILLE	98.4	70.3	84.4		106	5	56	14	0	29	0	0	0	1.16		.41	9	.0	0		3	0	0				
DARDANELLE	97.5	69.2	83.4	.8	105	21	56	14	0	28	0	0	0	1.43	2.32	.66	22	.0	0		4	0	0				
DEVILS KNOB	90.9M	68.9M	79.9M		99	21	55	13	0	19	0	0	0	1.95		.83	11	.0	0		4	2	0				
DIVISION																											
			82.5	1.8										1.81	2.08			.0									
CENTRAL 05																											
ALUM FORK	96.8	68.6	82.7		106	8	58	14	0	29	0	0	0	4.05		1.82	9	.0	0		7	3	1				
BENTON	94.7	69.3	82.0		104	8	56	14	0	28	0	0	0	2.58		.90	10	.0	0		4	2	0				
BLAKEY MOUNTAIN DAM	95.8	67.3	81.6		105	9	56	14	0	28	0	0	0	2.44		.79	10	.0	0		4	3	0				
CDNWAY	96.6	68.1	82.4	.0	106	7	55	14	0	30	0	0	0	3.02	.74	1.98	11	.0	0		3	2	1				
GREENBRIER	96.6	67.4	82.0		105	7	53	14	0	28	0	0	0	1.41		.72	12	.0	0		2	2	0				
DIVISION																											
			82.7	1.2										3.10	.62			.0									
HOT SPRINGS 1 NNE																											
LEOLA	96.6M	71.4M	84.0M	1.2	103	8	61	14	0	29	0	0	0	5.41	1.20	1.73	9	.0	0		12	3	1				
LITTLE ROCK WB AIRDRD//R	94.8	68.4	81.6		103	8	54	14	0	29	0	0	0	4.83		2.14	10	.0	0		5	4	2				
MALVERN	95.1	71.2	83.2	1.3	105	8	58	14	0	28	0	0	0	3.79	.45	1.60	9	.0	0		6	3	1				
MORRILLTON	95.0	67.4	81.2		104	8	56	14	0	28	0	0	0	4.57		1.82	9	.0	0		7	3	2				
NIMROD DAM	98.1	70.4	84.3	2.3	108	8	58	14	0	30	0	0	0	2.08	.83	1.10	11	.0	0		4	1	1				
DIVISION																											
			82.7	1.2										3.10	.62			.0									

See Reference Notes Following Station Index







# TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

Season of 1963 - 1964

ARKANSAS

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total
NORTHWEST O1													
BEAVER DAM						5.0 2	1.0 1		8.0 1				14.0 4
BENTONVILLE						6.5 2	T	.5	8.0 2				15.0 4
BERRYVILLE 4 NW						5.0 -	.3		6.0 -				11.3 -
BUFFALO TOWER						3.5 -	3.0 -	.5 1	2.0				9.0 -
EUREKA SPRINGS						7.0 -	4.0 -		-				- -
FAYETTEVILLE FAA AP						4.0 4	.8 1	T	5.4 1				10.2 6
FAYETTEVILLE EXP STA						3.0 3	1.4	T	9.5 3				13.9 6
GRAVETTE						5.5 4	-	T	9.5 3				- -
GREEN FOREST 4 ESE						-			9.5				- -
HARRISON						7.5 -	- 2		-				- -
HARRISON FAA AIRPORT						5.5 4	3.0 -	T	7.0 -				15.5 -
HUNTSVILLE	-	-	-	-	-	-	1.3	T	4.8 1				- -
JASPER						5.5 -	1.0 1		.5				7.0 -
LEAD HILL						-	- 1		3.0				- -
LURTON						8.0 -	2.0 -		-				- -
ODELL 3 N						6.0 -	3.0		6.0 1				15.0 -
ROGERS						5.0 3	2.1 3	-	11.0 2				- 8
SILOAM SPRINGS						3.0 -	2.4 4		10.2 2				15.6 -
NORTH CENTRAL O2													
CALICO ROCK						-	5		T				- 5
CLINTON						-	T						- -
EVENING SHADE 1 NE						-	-						- -
GILBERT						5.8 5	1.0 1		T				6.8 6
GREERS FERRY DAM						9.0 4							9.0 4
MAMMOTH SPRING						-	.5 2		2.0				- 2
MARSHALL						7.0 -	2.3 -		2.0				11.3 -
MELBOURNE 5 WNW						-	-						- -
MOUNTAIN HOME 1 NNW						5.0 -	1.0		2.0 1				8.0 -
MOUNTAIN HOME C OF ENG						7.0 5	1.0 1		2.0 1				10.0 7
MOUNTAIN VIEW 2 ESE						6.0 -	T						6.0 -
SALEM						-	-						- -
SHIRLEY						6.5 7	.5						7.0 7
YELLVILLE	-	-	-	-	-	-	-	-	-	-	-	-	- -
NORTHEAST O3													
ALICIA						7.0 -	.6						7.6 -
BALD YNOB						6.3 5	1.0 1	T	T	T			7.3 6
BATESVILLE LIVESTOCK						5.0 4	1.0 1	T					6.0 5
BATESVILLE L AND D R1						6.0 4	.5 1						6.5 5

See reference notes following Station Index.



# TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

Season of 1963 - 1964

ARKANSAS

Continued

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total
BEECH GRDVE						8.0 5	- -						- -
BEEDEVILLE						8.0 -	1.5 -						9.5 -
BLACK RDCK						6.0 5	1.5 1	T					7.5 6
BLYTHEVILLE						- -	1.3 -	T					- -
BUROETTE						7.5 -	1.0 -						8.5 -
CDRNING						6.0 -	.5 -						6.5 -
GEORGETOWN						8.0 -	.5 -						8.5 -
JONESBORO						7.8 5	.8 1	T					8.6 6
KEISER						7.0 8	1.5 -						8.5 -
LAKE CITY						- -	- -						- -
MARKED TREE						8.0 -	.5 -						8.5 -
NEWPDRT						6.0 4	.5 1						6.5 5
OSCEDLA						11.0 -	1.5 -	T					12.5 -
PARAGDULD RADIO KDRS						7.5 -	1.5 -						9.0 -
POCAHONTAS 1						- 2	1.3 1	T					- 3
SAINT FRANCIS						6.0 5	1.0 1						7.0 6
SEARCY						7.0 5	.5 1						7.5 6
WALNUT RIDGE FAA AP						7.0 6	1.0 1	T	T				8.0 7
WEST CENTRAL D4													
ABBDTT						7.0 4	1.5 -						8.5 -
ALY						- 3	- -						- 3
APPLETON	-	-	-	-	-	-	-	-	-	-	-	-	-
BIG FDRK						- -	- -						- -
BOONEVILLE						6.8 4	.4 -		T				7.2 4
CLARKSVILLE						4.0 4	T -		T				4.0 4
CDVE						4.0 3	- -						4.0 3
DANVILLE						- 4	T -						- 4
DAROANELLE						3.8 5	T -		T				3.8 5
DEVILS KNDB						4.0 -	T -		T				4.0 -
FDRT SMITH WB AIRPORT						4.0 4	.8 -		T				4.8 4
FDRT SMITH WATER PLANT						4.0 4	T -		T				4.0 4
GRAVELLY						- -	.5 -						- -
GREENWDDO						5.2 -	T -		T				5.2 -
HECTDR						4.9 -	T -						4.9 -
MENA						- 3	- 1		T				- 4
MDUNT MAGAZINE	-	-				- -	- -	T	T				- -
MULBERRY & NNE						- 4	T -	T					- 4
NATURAL DAM						3.5 -	- -						- -
DZARK						5.6 5	- -		T				5.6 5

# TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

ARKANSAS

Season of 1963 - 1964

Continued

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total
OZONE						6.0 -	1.5 1						7.5 -
PARIS						4.5 4	T		T				4.5 4
PARKS						4.0 -							4.0 -
RATCLIFF						5.5 -							5.5 -
RUSSELLVILLE 4 N						4.8 -							4.8 -
SUBIACO						4.7 4	T		T				4.7 4
WALDRON						- -	T						- -
WHITE ROCK						- 2	- 2	-	2.0 1				- 5
CENTRAL 05													
ALUM FORK						3.0 4	T		T				3.0 4
APLIN 1 W						4.6 -	T						4.6 -
BENTON						7.0 -	T						7.0 -
BLAKELY MOUNTAIN DAM						9.0 -	T						9.0 -
CONWAY						5.0 4							5.0 4
CRYSTAL VALLEY						7.5 -	T						7.5 -
DAMASCUS						4.5 -	.5						5.0 -
GREENBRIER						4.5 4	T	T	T				4.5 4
HOT SPRINGS 1 NNE						4.0 -	-	T	T				- -
JESSIEVILLE						6.0 -	T						6.0 -
LAKE MAUMELLE						8.0 -	T						8.0 -
LEOLA						11.5 7							11.5 7
LITTLE ROCK WB AIRPORT						9.8 4	T		T				9.8 4
LITTLE ROCK FILT PLANT						- -	- -						- -
MALVERN						7.0 3	T						7.0 3
MORRILTON						5.5 -	T						5.5 -
NIMROD DAM						- -			T				- -
OWENSVILLE						8.0 4	T						8.0 4
PERRYVILLE						5.0 -	T						5.0 -
SHERIDAN TOWER						10.0 7							10.0 7
EAST CENTRAL 06													
ARKANSAS POST	-	-				13.3 -	T		T				- -
AUGUSTA						- -							- -
BRINKLEY						13.0 7	1.2 1						14.2 8
CABOT 4 SW						7.0 4	T						7.0 4
CARLISLE 1 SW						9.0 4	T						9.0 4
CLAPENDON						- 6							- 6
DES ARC						11.0 -	.5 1						11.5 -
FORREST CITY	-	-	-	-	-	13.0 7	T						- -
HELENA						13.0 4	T						13.0 4

See reference notes following Station Index.

# TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

Continued

Season of 1963 - 1964

ARKANSAS

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total
KEO						- 5	T						- 5
MADISON						12.0 6	T						12.0 6
MARIANNA 2 S						12.0 10	T 2						12.0 12
PARKIN 2 W				-	-	-	-	-	-	-	-	-	-
SAINT CHARLES						14.0 7	T						14.0 7
STUTTGART	-					-							-
STUTTGART 9 ESE						12.5 10	T						12.5 10
WEST MEMPHIS						13.0 -	1						13.0 -
WYNNE						10.0 -	-						-
SOUTHWEST 07													
ANTOINE						-							-
ASHDOWN					-	-	-	-	-	-	-	-	-
ATHENS	-	-	-	-	-	-	-	-	-	-	-	-	-
DAISY 3 E						-							-
DE OUEEN						5.0 2							5.0 2
DIERKS						4.7 2	-						- 2
FULTON						7.7 3	T	-					-
GLENWOOD						-	T						-
HOPE 3 NE						6.8 -	.1						6.9 -
HOPPER						-	T						-
HORATIO						-							-
INDEX						6.0 5							6.0 5
LANGLEY						4.0 3	T						4.0 3
MOUNT IDA						6.0 4	T						6.0 4
NARROWS DAM						5.0 3	T						5.0 3
NASHVILLE PEACH SUBSTA						4.5 4	.3	T	T				4.8 4
NATHAN 4 WNW						7.0 3	1.0 1						8.0 4
NEWHOPE 3 E						7.0 -							7.0 -
ODEN 2 W						-							-
OKAY						-	.3						-
PINE RIDGE						-							-
STAMPS						7.7 5	T						7.7 5
STORY						-							-
TEXARKANA WB AIRPORT						5.3 4	.3						5.6 4
SOUTH CENTRAL 08													
AMITY 3 NE						9.8 4	T						9.8 4
ARKADELPHIA						8.0 -							8.0 -
BLUFF CITY 3 SW						-	T						-
BOUGHTON						-							-

# TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

ARKANSAS

Season of 1963 - 1964

Continued

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total
CAMDEN 1 SNOWFALL 1 IN ON GD						14.5 -							14.5 -
EL DORADO FAA AIRPORT SNOWFALL 1 IN ON GD						8.5 7	T		T				8.5 7
FORDYCE 6 W SNOWFALL 1 IN ON GD						14.0 -							14.0 -
GURDON SNOWFALL 1 IN ON GD						8.3 5	T						8.3 5
MAGNOLIA 3 N SNOWFALL 1 IN ON GD						12.6 -	.5 1						13.1 -
MOROBAY LOCK AND DAM 8 SNOWFALL 1 IN ON GD						10.0 6	T		T				10.0 6
PRESCOTT SNOWFALL 1 IN ON GD						8.3 5	T		T				8.3 5
SPARKMAN 3 WSW SNOWFALL 1 IN ON GD						9.5 -				-			-
TAYLOR SNOWFALL 1 IN ON GD						10.0 -	1.0 1						11.0 -
WARREN SNOWFALL 1 IN ON GD						15.8 7							15.8 7
SOUTHEAST 09 ARKANSAS CITY SNOWFALL 1 IN ON GD						-	T						-
CROSSETT 7 S SNOWFALL 1 IN ON GD						-	T						-
CUMMINS FARM SNOWFALL 1 IN ON GD						10.5 6							10.5 6
DERMOTT SNOWFALL 1 IN ON GD						12.0 -							12.0 -
DERMOTT 3 NE SNOWFALL 1 IN ON GD	-					10.0 -	T						-
DUMAS SNOWFALL 1 IN ON GD						10.0 7							10.0 7
EUDORA SNOWFALL 1 IN ON GD						7.5 -							7.5 -
HAMBURG SNOWFALL 1 IN ON GD						7.5 -	T						7.5 -
MONTICELLO 3 S SNOWFALL 1 IN ON GD						-							-
PINE BLUFF SNOWFALL 1 IN ON GD						-	T						-
PINE BLUFF FAA AIRPORT SNOWFALL 1 IN ON GD						12.2 4	T	T					12.2 4
PORTLAND SNOWFALL 1 IN ON GD						12.5 -			-				-
ROHWER 2 NNE SNOWFALL 1 IN ON GD						11.3 4							11.3 4
STAR CITY 2 S SNOWFALL 1 IN ON GD	-	-	-	-	-	-	-	-	-	-	-	-	-

DAILY TEMPERATURES

ARKANSAS  
JULY 1964

Table with columns for Station, Day of Month (1-31), and Average. Rows are grouped by region: NORTHWEST 01, NORTH CENTRAL 02, and NORTHEAST 03. Each station entry includes MAX and MIN values for each day.

See Reference Notes Following Station Index









# MONTHLY AND SEASONAL HEATING DEGREE DAYS

Season of 1963 - 1964

ARKANSAS

Continued

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total	Normals July-June
OKAY	0	0	4	19	240	827	633	592	266	52	2	0	2635	2452
STAMPS	0	0	2	20	248	828	614	609	286	50	6	0	2663	
TEXARKANA WB AIRPORT	0	0	2	12	235	811	602	574	299	49	2	0	2986	2533
SOUTH CENTRAL 08														
ARMOELPHIA	0	0	3	16	285	891	662	605	312	51	5	4	2834	
CAMDEN 1	0	0	5	23	272	843	646	584	272	45	2	0	2692	2645
EL DOPAGO FAA AIRPORT	0	0	8	28	317	906	690	647	320	45	6	0	2971	2402
FOPOYCE 6 W	0	0	5	18	297	921	655	633	329	80	13	2	2953	
MAGNOLIA 3 N	0	0	5	20	275	821	618	604	287	48	6	0	2684	2299
MOROBAY LOCK AND DAM 8	0	0	7	34	318	920	722	654	341	66	1	6	3069	
PEPSCOTT	0	0	3	18	267	842	632	589	265	37	3	0	2656	2627
SPARKMAN 3 WSW	0	0			357		737	647	336		1			
WAPREN	0	0	4	22	258	858	611	584	288	47	5	0	2677	2424
SOUTHEAST 09														
COSSETT 7 S	0	0	4	21	257	810	597	580	312	48	4	0	2633	2452
CUMMINS FARM	0	0	11	44			705	682	402	104		0		
DERMOTT 3 NE	0	0	10	36	303	914	629	617	300	59	8	0		
OUAS	0	0	4	24	291	927	666	616	317	54	4	0	2903	2605
EUORA	0	0	4	19	240	845	560	553	243	40	0	0	2504	
MONTICELLO 3 S	0	0	8	29	306	837	643	619	286	62	9	2	2801	
PINE BLUFF	0	0	4	18	247	862	589	583	271	58	3	0	2635	2538
PINE BLUFF FAA AIRPORT	0	0	4	25	312	917	672	625	330	52	4	0	2941	
PORTLAND	0	0	6		285	915	705	639	360	74	3	6		2484
POHNER 2 NNE	0	0	8	30	273	934	627	612	315	48	5	0	2852	

# DAILY SOIL TEMPERATURES

ARKANSAS  
JULY 1964

STATION AND DEPTH	Day of month																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
WARREN																																	
4 INCHES	MAX	93	90	84	98	97	100	102	103	99	92	92	94	93	93	95	95	97	98	100	102	100	102	99	100	103	95	99	101	97	96	94	97.2
	MIN	86	84	82	82	74	81	83	89	90	85	84	86	84	82	82	83	83	85	86	87	87	89	89	89	89	87	86	86	85	72	84.6	

SLOPE OF GROUND: LEVEL AT STATION, GENTLY ROLLING VICINITY. SOIL TYPE: SANDY LOAM. GROUND COVER: GRASS. INSTRUMENTATION: PALMER SOIL THERMOMETERS. MAX AND MIN FOR 24 HOURS ENDING AT 7 A. M.

## EVAPORATION AND WIND

Station		Day Of Month																															Total or Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NORTH CENTRAL 02	EVAP	.15	.18	.23	.27	.21	.29	.27	.29	.17	.22	.35	.09	.10	.17	.23	.22	.25	.24	.24	.27	.20	.18	.22	.14	.26	.20	.22	.19	.24	.21	6.72	
MOUNTAIN HOME C OF ENG	WIND	28	27	13	11	20	32	18	14	14	19	13	30	30	10	20	20	10	18	11	4	9	21	22	5	5	7	6	12	8	5	7	4.69
	MAX	89	96	99	99	96	100	97	101	88	96	105	93	82	94	100	102	99	104	106	107	107	107	95	106	97	107	97	98	98	104	99	99.0
	MIN	71	72	71	73	74	75	74	75	70	73	73	70	61	61	63	69	71	72	73	74	75	71	71	73	74	74	74	75	75	75	75	71.8
WEST CENTRAL 04	EVAP	.24	.12	.14	.30	.30	.04	.45	.27	.28	.25	.27	.22	.23	.33	.30	.29	.32	.34	.34	.37	.43		.15	.23	.21	.07	.12	.24	.26	.24	.29	7.89B
RUSSELLVILLE 4 N	WIND	16	15	15	18	12	18	30	20	20	12	21	*	*	*	80	25	22	23	20	24	19	10	24	7	11	10	8	9	13	9	16	5.27
	MAX	98	102	95	97	98	94	98	92	94	98	88	70	90	92	91	93	96	91	98	96	99	93	95	93	99	95	97	99	101	101	97	94.8
	MIN	72	71	73	75	78	80	75	76	75	75	76	66	65	64	72	73	73	71	71	72	75	72	72	78	75	82	76	78	79	78	77	74.0
CENTRAL 05	EVAP	.15	.15	.11	.20	.22	.29	.30	.33	.32	.26	.24	.06	.23	.20	.24	.26	.29	.26	.32	.33	.30	.31	.06	.20	.20	.29	.11	.23	.28	.22	.24	7.20
BLAKELY MOUNTAIN DAM	WIND	17	25	18	29	17	26	31	31	36	46	27	23	55	24	24	27	40	27	31	28	27	44	15	20	26	25	26	25	24	26	20	8.60
NIMPOO DAM	EVAP	.11	-	-	.23	.23	.27	.38	.32	.34	.11	.19	.12	.10	.24	.22	.22	.22	.25	.21	.22	.26	.24	.16	.12	.23	.07	.18	.19	.25	.22	6.46B	
	WIND	3	8	9	9	8	9	11	10	13	14	7	9	7	7	10	10	13	12	8	7	9	12	4	4	8	8	3	10	7	10	13	2.72
EAST CENTRAL 06	EVAP	.31	.24	.29	.27	.27	.34	.36	.39	.42	.30	.24	.15	.26	.25	.27	.27	.25	.26	.31	.33	.30	.28	.28	.29	.31	.22	.20	.23	.31	.27	.22	8.49
STUTTIGART 9 ESE	WIND	28	20	36	31	15	40	63	71	51	46	42	71	88	28	31	29	28	16	10	17	38	48	38	24	16	13	17	12	56	45	26	10.94
	MAX	99	102	97	101	106	107	106	102	104	105	102	87	90	92	97	101	100	101	103	105	104	101	98	101	100	104	97	103	102	102	102	100.7
	MIN	73	75	72	72	76	78	75	75	75	73	73	76	67	66	66	70	72	71	76	73	74	72	74	70	69	78	74	75	76	75	75	73.1
SOUTHWEST 07	EVAP	.18	.33	.18	.16	.30	.31	.30	.36	.26	.47	.15	.22	.37	.30	.25	.20	.23	.13	.22	.30	.14	.23	.27	.34	.18	.24	.23	.32	.28	.28	15	7.88
HOPE 3 NE	WIND	9	23	17	12	14	23	24	24	26	51	30	39	70	13	13	13	20	2	15	19	24	23	21	7	15	13	19	11	29	28	17	6.67
NARROWS DAM	EVAP	.16	.17	.10	.22	.21	.42	.33	.34	.43	.37	.10	.14	.30	.20	.32	.25	.19	.27	.29	.29	.28	.30	.23	.18	.17	.25	.19	.21	.26	.25	.27	7.69
	WIND	6	17	8	12	18	22	23	26	34	42	20	23	37	11	18	22	20	18	22	23	30	14	13	14	19	22	13	19	26	27	6.39	
	MAX	91	95	91	98	100	101	99	100	100	100	74	75	75	96	92	100	97	98	98	97	99	95	91	94	98	95	98	100	102	101	96.4	
	MIN	74	74	70	76	81	73	73	75	72	72	73	74	74	65	73	86	84	71	71	70	71	67	73	69	63	70	70	63	75	72	71	72.4
SOUTH CENTRAL 08	EVAP	.12	.21	.14	.29	.30	.25	.38	.36	.41	.31	.20	.22	.30	.25	.27	.27	.26	.28	.30	.29	.29	.33	.28	.19	.24	.30	.10	.17	.28	.28	.21	8.08
WARREN	WIND	4	0	-	-	-	-	-	-	-	-	-	-	-	-	-	20	23	15	12	17	29	22	17	9	9	12	9	16	31	8	39	-
	MAX	93	96	92	98	106	101	104	105	103	97	96	96	100	96	99	100	105	102	105	103	109	100	103	101	108	106	93	103	102	99	98	100.6
	MIN	73	74	73	73	74	78	76	76	75	72	72	77	71	66	65	70	65	71	74	74	68	74	75	69	70	76	72	72	75	74	74	72.5

## SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m p h				Relative humidity averages - percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset					
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	MIDNIGHT CST	6:00 AM CST	NOON CST	6:00 PM CST	Trace	01-09		10-49		50-99			100-199		200 and over	Total	
												1	2	3	4	5			6	7			8
FORT SMITH WB AIRPORT	07	10	6.3	35	N	8	72	86	42	36	4	3	1	0	0	0	0	0	8	79	4.5		
LITTLE ROCK WB AIRPORT	24	10	6.1	47	N	9	84	89	56	59	2	3	3	2	1	0	11	69	69	4.1	-		
TEXARKANA WB AIRPORT	22	7	4.9	-	-	-	79	89	52	52	2	3	1	0	2	0	8	-	-	-	-		



REFERENCE NOTES

Additional information regarding the climate of Arkansas may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Adams Field, Little Rock, Arkansas - 72202, or to any Weather Bureau Office near you.

**DIMENSIONAL UNITS:** Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F. In "Supplemental Data" table directions entered in figures are tens of degrees.

**OBSERVATION TIME:** The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time. Snow on ground in the "Snowfall and Snow on Ground" table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 6:00 a.m., C.S.T. Data in the "Extremes" table, "Daily Precipitation" table, "Daily Temperature" table, "Evaporation and Wind" table, and snowfall in the "Snowfall and Snow on Ground" table, when published, are for the 24 hours ending at time of observation.

**EVAPORATION** is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" table. Max and Min in "Evaporation and Wind" table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

**WATER EQUIVALENT** values published in the "Snowfall and Snow on Ground" table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations, consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

**SNOWFALL:** Entries of snowfall in the "Climatological Data" table, the "Snowfall and Snow on Ground" table, and in the "Seasonal Snowfall" table, include snow and sleet. Entries of snow on ground include snow, sleet, and ice.

**NORMALS** for all stations are climatological standard normals based on the period 1931-1960.

**DIVISIONS,** as used in this publication, became effective with data for January 1957.

**STATION NAMES:** Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

**SEASONAL TABLES:** Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

**DELAYED DATA AND CORRECTIONS** will be carried only in the June and December issues of this bulletin.

**INTERPOLATED VALUES** for monthly precipitation totals may be found in the annual issue of this publication.

**IN THE DATA TABLES THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING**

- No record in the "Supplemental Data" table, "Daily Precipitation" table, "Evaporation and Wind" table, "Snowfall and Snow on Ground" table, and the Station Index.
- No record in the "Climatological Data" table and the "Daily Temperature" table is indicated by no entry.
- + And also on an earlier date or dates.
- ++ Highest observed one minute windspeed. This station is not equipped with an instrument to measure fastest mile data.
- \* Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing. If average value is entered, less than 10 days record is missing. See "Daily Temperature" table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- T Trace, an amount too small to measure.
- V Includes total for previous month.

**IN THE STATION INDEX THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:**

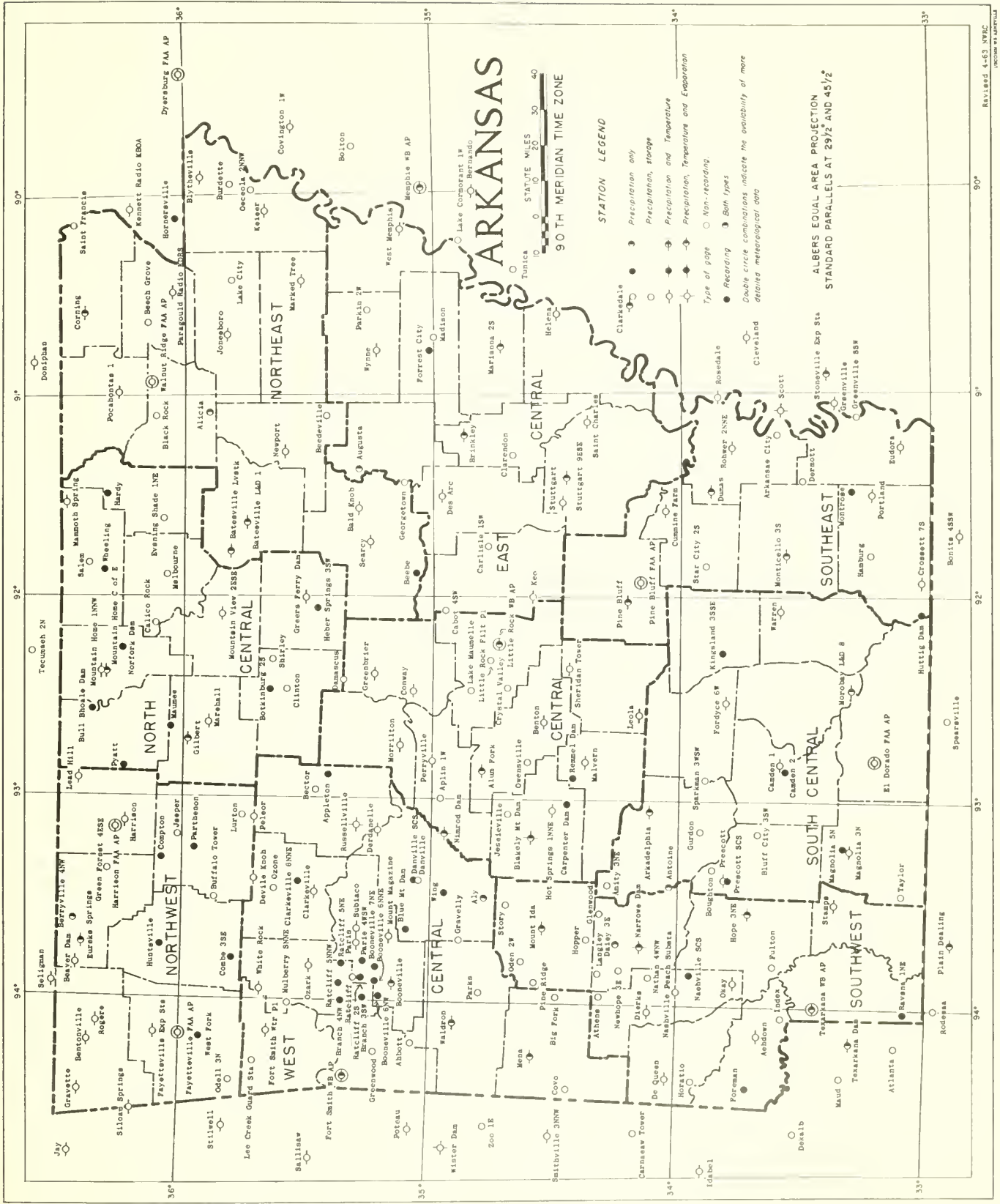
- AR This entry in time of observation column in Station Index means after rain.
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# ARKANSAS



### STATION LEGEND

- Precipitation only
  - Precipitation, Storage
  - Precipitation and Temperature
  - Precipitation, Temperature and Evaporation
  - Type of gage
  - Non-recording
  - Recording
  - Both types
- Double circle combinations indicate the availability of more detailed meteorological data*

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29 1/2 AND 45 1/2



U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

ROBERT M. WHITE, Chief

# CLIMATOLOGICAL DATA

ARKANSAS

AUGUST 1964

Volume 69 No. 8



















DAILY TEMPERATURES

ARKANSAS AUGUST 1964

Table with columns: Station, Day of Month (1-31), and Average. Rows include stations like EUDORA, MONTICELLO 3 S, PINE BLUFF, etc.

DAILY SOIL TEMPERATURES

Table with columns: STATION AND DEPTH, Day of month (1-31), and Average. Includes station WARREN at 4 INCHES.

SLOPE OF GROUND: LEVEL AT STATION, GENTLY ROLLING VICINITY. SOIL TYPE: SANDY LOAM. GROUND COVER: GRASS. INSTRUMENTATION: PALMER SOIL THERMOMETERS. MAX AND MIN FOR 24 HOURS ENDING AT 7 A. M.

EVAPORATION AND WIND

Table with columns: Station, Day Of Month (1-31), and Total of Avg. Rows include stations like NORTH CENTRAL, WEST CENTRAL, CENTRAL, EAST CENTRAL, and SOUTH CENTRAL.





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- \* Amount included in following measurement, time distribution unknown.
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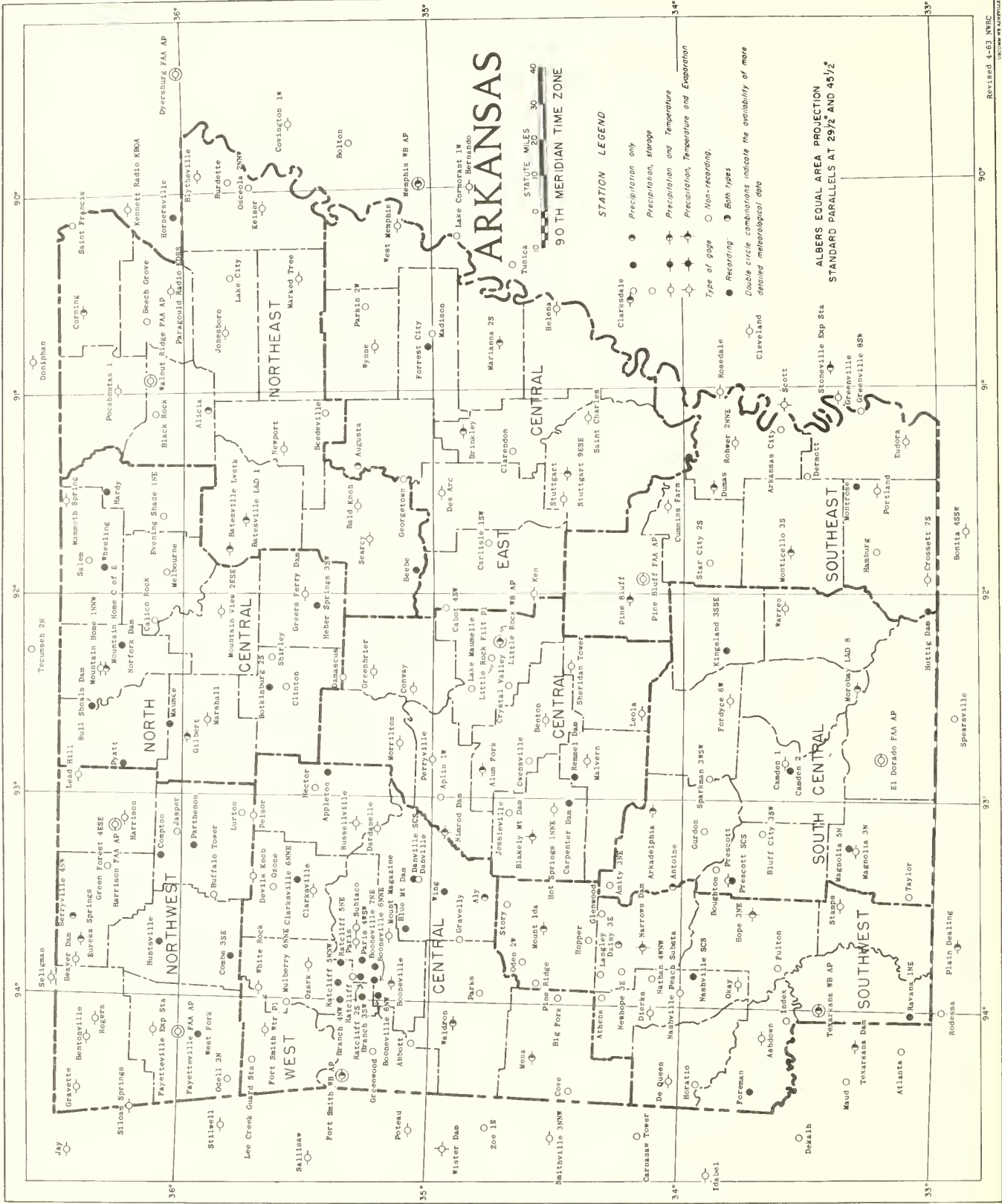
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# ARKANSAS

## STATION LEGEND

- Recording
  - Non-recording
  - Both types
  - Precipitation only
  - Precipitation, storage
  - Precipitation and Temperature
  - Precipitation, Temperature and Evaporation
- Type of gage ○ Non-recording.  
● Recording ○ Both types  
Double circle combinations indicate the availability of more detailed meteorological data.

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29½° AND 45½°

U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

ROBERT M. WHITE, Chief

# CLIMATOLOGICAL DATA

## ARKANSAS



SEPTEMBER 1964

Volume 69

No. 9



CLIMATOLOGICAL DATA

ARKANSAS  
SEPTEMBER 1964

Table with columns for Station, Temperature (Average, Departure, Highest, etc.), Precipitation (Total, Departure, etc.), and No. of Days. Includes sub-sections for NORTHWEST 01, NORTH CENTRAL 02, NORTHEAST 03, WEST CENTRAL 04, and CENTRAL 05.

See Reference Notes Following Station Index

CLIMATOLOGICAL DATA

ARKANSAS  
SEPTEMBER 1964

Continued

Table with columns: Station, Temperature (Average Maximum, Average Minimum, Average, Departure From Normal, Highest, Date, Lowest, Date, Degree Days, No. of Days), and Precipitation (Total, Departure From Normal, Greatest Day, Date, Snow, Steel, No. of Days).

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 99° on the 9+ at 3 stations

Lowest Temperature: 38° on the 14th at Arkansas Post and on the 13th at Calico Rock

Greatest Total Precipitation: 9.81 inches at Bluff City 3 SW

Least Total Precipitation: 1.74 inches at Arkansas City

Greatest One-Day Precipitation: 7.65 inches on the 17th at Bluff City 3 SW

See Reference Notes Following Station Index















# DAILY SOIL TEMPERATURES

ARKANSAS  
SEPTEMBER 1964

STATION AND DEPTH	Day of month																															Average		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
WARREN 4 INCHES	MAX 103	104	101	100	97	99	95	97	95	99	97	96	86	85	86	91	78	80	93	94	93	95	92	78	88	84	84	76	62	68				89.9
	MIN 75	73	72	71	74	73	73	71	70	69	67	60	57	54	53	51	62	70	69	69	71	73	72	64	58	58	60	56	56	58				65.3

SLOPE OF GROUND: LEVEL AT STATION, GENTLY ROLLING VICINITY. SOIL TYPE: SANDY LOAM. GROUND COVER: GRASS. INSTRUMENTATION: PALMER SOIL THERMOMETERS. MAX AND MIN FOR 24 HOURS ENDING AT 7 A. M.

## SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m p h				Relative humidity averages - percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	MIDNIGHT CST	6:00 AM CST	NOON CST	6:00 PM CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
FORT SMITH WB AIRPORT	07	13	6.4	23	W	22	85	90	56	61	2	1	4	2	1	0	10	54	5.6
LITTLE ROCK WB AIRPORT	02	6	5.8	24	N	12	84	90	53	64	6	0	1	0	1	1	9	62	5.0
TEXARKANA WB AIRPORT	07	7	5.7	-	-	-	81	88	61	67	4	2	2	1	2	1	12	-	-



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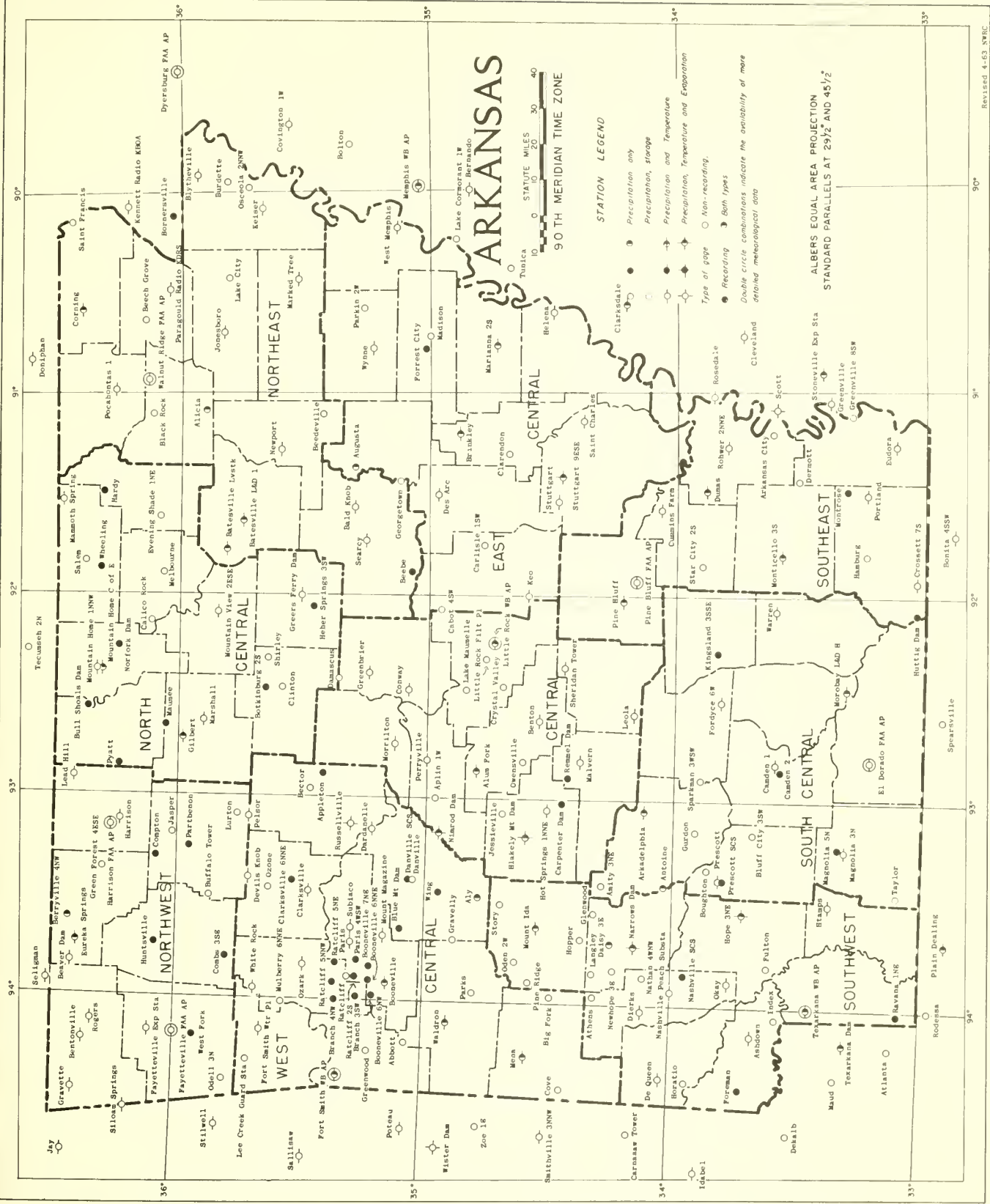
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USCOMM-WB-Asheville, N. C. -11/6/64-950



# ARKANSAS

STATUTE MILES  
0 10 20 30 40

90 TH MERIDIAN TIME ZONE

### STATION LEGEND

- Precipitation only
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  - ◆ Precipitation, Temperature and Evaporation
  - Type of gage
  - Non-recording.
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STANDARD PARALLELS AT 29½ AND 45½

36°

35°

34°

33°

36°

35°

34°

33°









U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
ROBERT M. WHITE, Chief

# CLIMATOLOGICAL DATA

ARKANSAS

OCTOBER 1964  
Volume 69 No. 10





















# DAILY SOIL TEMPERATURES

ARKANSAS  
OCTOBER 1964

STATION AND DEPTH		Day of month																														Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31
WARREN		MAX	78	80	78	75	74	72	71	71	71	69	70	71	69	67	72	70	73	71	70	67	70	68	68	74	68	69	67	73	72	69	71.2
4 INCHES		MIN	69	70	74	74	69	65	64	64	64	63	62	61	62	65	63	59	63	65	60	60	60	60	60	60	60	61	63	61	62	63.5	

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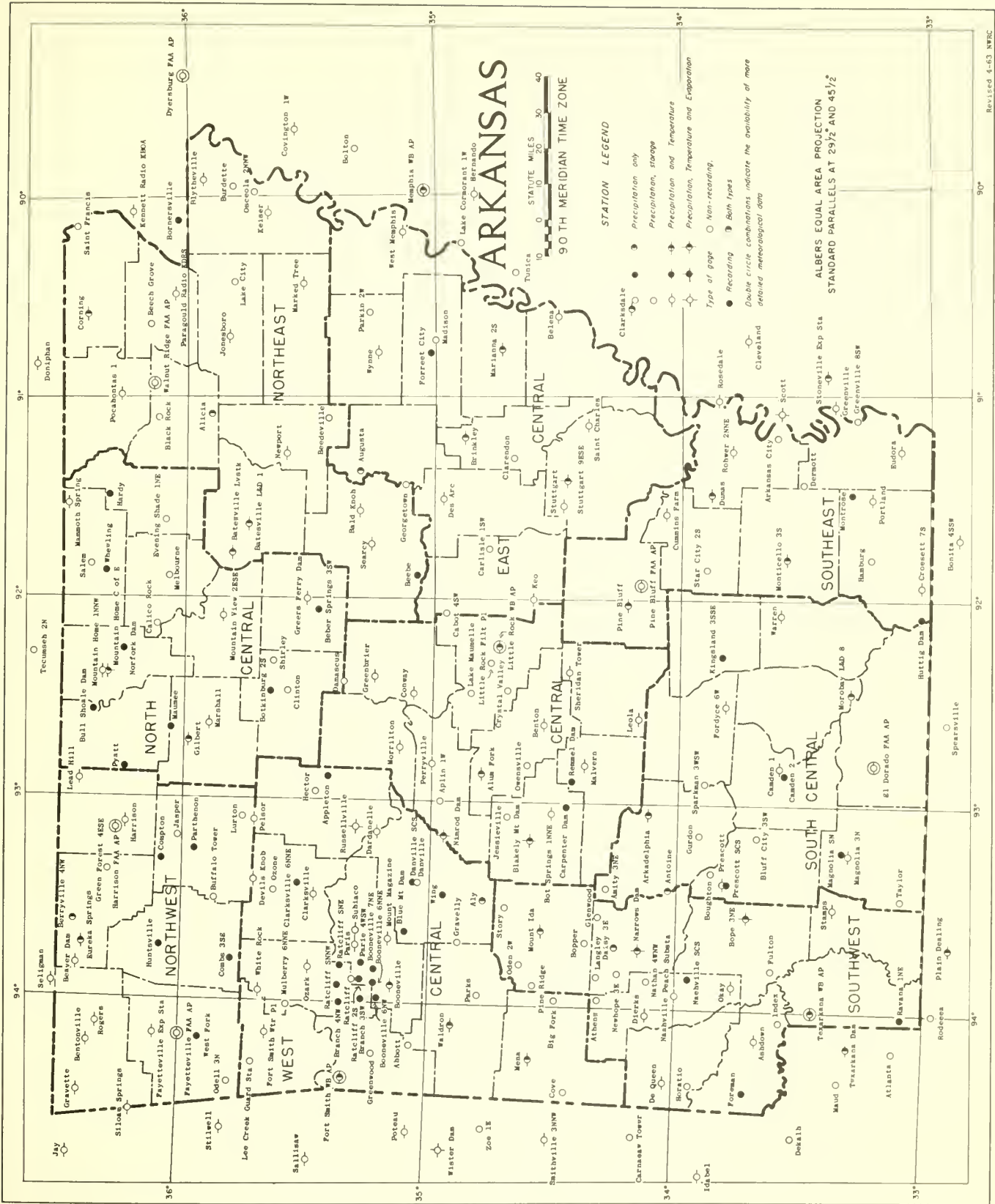
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USCOMM-WB-Asheville, N. C. -12/10/64-950











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ROBERT M. WHITE, Chief

# CLIMATOLOGICAL DATA

ARKANSAS



NOVEMBER 1964  
Volume 69      No. 11











DAILY TEMPERATURES

ARKANSAS  
NOVEMBER 1964

Table with columns: Station, Day of Month (1-31), and Average. Rows are grouped by region: NORTHWEST (01), NORTH CENTRAL (02), and NORTHEAST (03). Each row includes station name, location code, and daily temperature data.

See Reference Notes Following Station Index







# DAILY TEMPERATURES

ARKANSAS  
NOVEMBER 1964

Continued

Station		Day of Month																														Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31
EUDORA	MAX	80	78	78	79	80	78	73	69	74	77	78	82	80	78	83	85	82	75	70	53	48	41	56	50	49	74	72	66	63	56		
	MIN	46	58	55	53	54	55	58	49	41	45	51	59	46	57	65	65	59	64	49	35	30	23	23	36	36	34	59	52	39	28		
MONTICELLO 3 S	MAX	81	78	76	78	77	77	70	69	74	75	75	77	79	81	82	83	81	74	67	54	49	41	55	45	49	69	69	65	66	59		
	MIN	42	51	54	50	52	60	56	43	39	47	48	61	37	53	56	65	64	64	43	29	27	16	17	31	32	40	56	48	36	24		
PINE BLUFF	MAX	86	83	77	79	81	75	71	71	77	78	76	79	81	82	85	81	80	72	66	52	53	44	55	50	57	62	71	70	65	55		
	MIN	42	42	51	48	57	55	57	50	43	49	50	64	41	50	65	67	65	52	41	31	27	19	20	32	32	38	52	44	36	22		
PINE BLUFF FAA AIRPORT	MAX	80	80	75	76	76	73	71	70	75	78	77	78	79	80	84	80	80	68	66	57	39	42	53	46	56	60	71	62	63	40		
	MIN	44	51	50	47	52	52	51	48	42	48	50	53	40	51	64	66	65	50	39	31	26	20	20	33	32	38	53	69	33	24		
PORTLAND	MAX	75	81	78	78	78	71	78	72	69	71	75	76	80	80	77	82	84	84	72	68	56	39	41	55	45	47	47	72	65	64		
	MIN	40	44	53	47	48	53	54	46	39	39	43	53	42	42	52	62	59	59	49	33	28	19	20	25	35	33	33	38	35	25		
ROWHER 2 NNE	MAX	80	80	78	79	78	76	74	71	73	74	75	77	79	84	83	77	82	77	68	68	50	41	52	49	47	70	68	66	67	54		
	MIN	40	44	53	52	56	57	53	46	42	47	51	50	41	48	59	56	66	64	44	34	26	19	20	23	33	38	41	40	43	19		
STAR CITY 4 ENE	MAX	82	81	78	79	77	75	72	68	75	76	77	79	77	79	84	85	82	73	66	55	55	40	53	46	55	66	70	67	62	62		
	MIN	37	46	45	40	46	47	57	45	38	42	49	63	38	42	63	63	44	64	42	29	27	13	15	26	29	36	48	46	29	23		

# EVAPORATION AND WIND

Station		Day of Month																														Total or Avg.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31
NORTH CENTRAL MOUNTAIN HOME C OF E	EVAP	.09	.10	.13	.09	.09	.08	.07	.03	.07	.11	.15	.13	.19	.12	.05	.08	.04	.05	-	-	-	-	-	-	-	-	.06	-	.07	-		
	WIND	5	13	12	24	1	1	5	1	3	19	46	84	36	12	30	25	15	10	60	40	80	20	10	20	10	10	25	78	29	56		
	MAX	67	67	72	69	68	70	65	65	67	68	67	69	68	73	74	82	80	72	65	-	-	-	-	-	-	-	57	67	66	54	-	
	MIN	47	47	53	53	51	51	53	52	50	50	51	53	42	42	46	64	52	57	41	-	-	-	-	-	-	30	38	44	35	-		
WEST CENTRAL RUSSELLVILLE 4 N	EVAP	.09	.08	.10	.08	.05	.04	.02	.06	.07	.09	.07	.13	.10	.05	.05	.01	.06	.01	-	.10	.08	.04	.03	.02	.02	.01	.02	.11	.06	.08		
	WIND	27	29	29	25	30	20	16	15	29	35	31	40	32	28	21	32	5	11	41	36	45	23	35	29	26	22	23	50	35	40		
	MAX	77	78	79	75	75	74	72	78	76	77	76	78	73	75	81	89	84	71	67	58	56	52	49	50	57	61	68	68	60	59		
	MIN	51	55	56	56	55	60	62	57	51	52	54	65	45	50	70	60	63	65	48	42	40	37	38	41	41	47	56	50	44	40		
CENTRAL BLAKELY MOUNTAIN DAM	EVAP	.13	.10	.11	.09	.05	.03	.08	.10	.06	.10	.05	.09	.09	.05	.01	-	.01	-	.10	.08	.04	.03	.02	.02	.01	.02	.11	.06	.08			
	WIND	9	12	14	1	0	2	11	21	17	13	18	25	24	10	27	6	8	6	28	74	79	42	13	11	13	20	16	59	27	51		
	MAX	67	67	72	69	68	70	65	65	67	68	67	69	68	73	74	82	80	72	65	-	-	-	-	-	-	57	67	66	54	-		
	MIN	47	47	53	53	51	51	53	52	50	50	51	53	42	42	46	64	52	57	41	-	-	-	-	-	-	30	38	44	35	-		
EAST CENTRAL STUTTIGART 9 ESE	EVAP	.10	.10	.09	.07	.11	.06	.09	.04	.10	.11	.14	.12	.12	.10	.09	.13	.07	.01	.09	.01	.09	.01	.01	.01	.31	.02	.04	.01	.18	.09	-	
	WIND	10	12	29	7	8	7	24	21	26	25	80	132	66	11	66	72	30	17	66	115	100	52	8	11	23	60	37	164	32	87		
	MAX	75	75	75	72	77	77	76	64	71	72	72	71	75	73	75	80	77	76	69	-	-	-	-	-	57	46	54	58	67	62	-	
	MIN	48	49	55	55	55	56	54	53	49	49	49	52	49	50	53	64	66	66	53	-	-	-	-	-	35	39	39	43	52	42	-	
SOUTHWEST HOPE 3 NE	EVAP	.11	.11	.11	.11	.11	.05	.00	.13	.05	.10	.15	.07	.14	.15	.09	.10	.00	.07	.01	.06	.18	.01	.12	.09	.08	.00	.01	.13	.08			
	WIND	8	12	28	11	8	7	12	17	11	18	50	66	23	13	26	32	13	12	58	44	59	39	10	9	9	21	12	51	21	50		
	MAX	75	75	75	69	70	68	78	72	72	72	70	63	71	67	73	75	70	72	68	-	-	-	-	-	68	56	57	55	65	61	-	
	MIN	49	50	52	51	52	54	58	52	49	42	48	48	42	42	51	64	63	63	57	-	-	-	-	-	42	38	36	39	47	38	-	
SOUTH CENTRAL WARREN	EVAP	.10	.07	.07	.08	.07	.10	.02	.08	.05	.10	.07	.13	.05	.14	.08	.07	.09	.07	.01	.29	.01	.01	.29	.02	.03	.00	.04	.16	.10			
	WIND	6	8	12	9	9	7	19	17	7	12	32	55	24	14	48	10	15	11	36	26	37	14	8	9	8	31	33	56	23	15		
	MAX	73	73	73	70	72	76	71	72	78	78	78	78	78	77	86	79	85	78	68	63	-	-	-	-	58	55	51	61	66	73	-	
	MIN	47	50	54	52	52	48	56	53	41	41	43	46	41	41	47	66	66	67	60	38	-	-	-	-	35	39	38	40	40	34	-	

# DAILY SOIL TEMPERATURES

ARKANSAS  
NOVEMBER 1964

STATION AND DEPTH	Day of month																															Average			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
WARREN																																			
4 INCHES	MAX	74	78	67	68	67	69	67	66	66	65	66	68	66	71	72	72	71	70	70	68	59	55	53	52	53	58	61	61	60	54			64.9	
	MIN	61	58	63	62	61	63	64	62	59	59	60	64	60	62	69	68	68	70	68	59	55	50	47	47	50	50	50	58	54	51			59.1	

SLOPE OF GROUND: LEVEL AT STATION, GENTLY ROLLING VICINITY. SOIL TYPE: SANDY LOAM. GROUND COVER: GRASS. INSTRUMENTATION: PALMER SOIL THERMOMETERS. MAX AND MIN FOR 24 HOURS ENDING AT 7 A. M.

## SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	CENTRAL STANDARD TIME				Trace	01-09	10-49	50-99	100-199	200 and over			Total
							M10	6 AM	NOON	6 PM									
FORT SMITH W8 AIRPORT	07	9	7.1	28	W	27	78	84	54	61	4	0	1	2	2	0	9	60	5.3
LITTLE ROCK W8 AIRPORT	24	7	6.5	30	S	27	83	89	57	67	2	1	2	3	1	0	9	53	5.3
TEXARKANA W8 AIRPORT	18	7	7.0	-	-	-	73	85	59	63	2	2	3	2	1	0	10	-	1

## SNOWFALL AND SNOW ON GROUND

Station	Day of month																																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
* * * NORTHWEST 01																																					
FAYETTEVILLE FAA AP																																					
SNOWFALL SN ON GND																																					
HARRISON FAA AIRPORT																																					
SNOWFALL SN ON GND																																					
ROGERS																																					
SNOWFALL SN ON GND																																					
* * * EAST CENTRAL 06																																					
BRINKLEY																																					
SNOWFALL SN ON GND																																					



REFERENCE NOTES

Additional information regarding the climate of Arkansas may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Adams Field, Little Rock, Arkansas 72202, or to any Weather Bureau Office near you.

DIMENSIONAL UNITS: Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F. In "Supplemental Data" table directions entered in figures are tens of degrees.

OBSERVATION TIME: The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time. Snow on ground in the "Snowfall and Snow on Ground" table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 6:00 a.m., C.S.T. Data in the "Extremes" table, "Daily Precipitation" table, "Daily Temperature" table, "Evaporation and Wind" table, and snowfall in the "Snowfall and Snow on Ground" table, when published, are for the 24 hours ending at time of observation.

EVAPORATION is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" table. Max and Min in "Evaporation and Wind" table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

WATER EQUIVALENT values published in the "Snowfall and Snow on Ground" table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations, consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

SNOWFALL: Entries of snowfall in the "Climatological Data" table, the "Snowfall and Snow on Ground" table, and in the "Seasonal Snowfall" table, include snow and sleet. Entries of snow on ground include snow, sleet, and ice.

NORMALS for all stations are climatological standard normals based on the period 1931-1960.

DIVISIONS, as used in this publication, became effective with data for January 1957.

STATION NAMES: Figures and letters following the station name, such as I2 SSW, indicate distance in miles and direction from the post office.

SEASONAL TABLES: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

DELAYED DATA AND CORRECTIONS will be carried only in the June and December issues of this bulletin.

INTERPOLATED VALUES for monthly precipitation totals may be found in the annual issue of this publication.

IN THE DATA TABLES THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- No record in the "Supplemental Data" table, "Daily Precipitation" table, "Evaporation and Wind" table, "Snowfall and Snow on Ground" table, and the Station Index.
- No record in the "Climatological Data" table and the "Daily Temperature" table is indicated by no entry.
- + And also on an earlier date or dates.
- ↔ Highest observed one minute windspeed. This station is not equipped with an instrument to measure fastest mile data.
- \* Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing. If average value is entered, less than 10 days record is missing. See "Daily Temperature" table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- T Trace, an amount too small to measure.
- V Includes total for previous month.

IN THE STATION INDEX THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- AR This entry in time of observation column in Station Index means after rain.
- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in the "Hourly Precipitation Data" bulletin. If daily amounts are published in "Climatological Data" bulletin they are from a separate non-recording gage, except where indicated by reference 'R'. Such amounts may differ from amounts published from the recording gage in the "Hourly Precipitation Data" bulletin.
- G "Soil Temperature" table.
- H "Snowfall and Snow on Ground" table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" table.
- SS This entry in time of observation column in Station Index means observation made near sunset.
- VAR This entry in time of observation column in Station Index means variable.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground, however, this reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

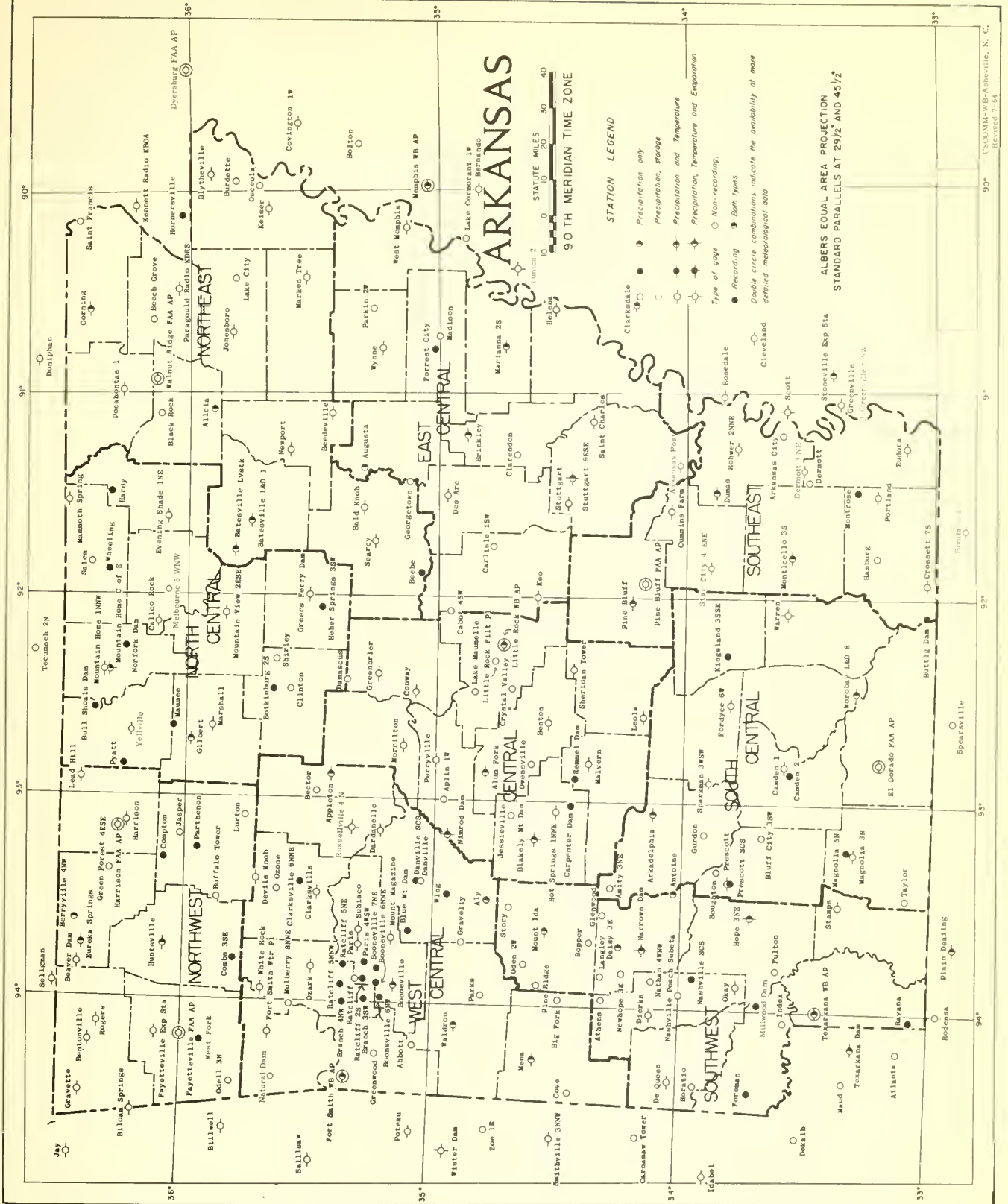
Stations appearing in the Index, but for which data are not listed in the tables, were either missing or received too late to be included in this issue.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this State, price 45 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data, price 15 cents. These publications may be obtained from the Superintendent of Documents at the address shown above.

Subscription Price: 20 cents per copy, monthly and annual, \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

USCOMM-WB-Asheville, N. C. -1/6/65-950



# ARKANSAS

STATUTE MILES  
0 10 20 30 40

### STATION LEGEND

- Precipitation only
  - Precipitation, storage
  - Precipitation and Temperature
  - Precipitation, Temperature and Evaporation
  - Type of gage
  - Non-recording
  - Recording
  - Both types
- Double circle combinations indicate the availability of more detailed meteorological data

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29° AND 45°/2









U. S. DEPARTMENT OF COMMERCE  
JOHN T. CONNOR, Secretary  
WEATHER BUREAU  
ROBERT M. WHITE, Chief

# CLIMATOLOGICAL DATA

## ARKANSAS

DECEMBER 1964  
Volume 69 No. 12



# CLIMATOLOGICAL DATA

ARKANSAS  
DECEMBER 1964

Station	Temperature										Precipitation													
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days			
										80° or Above	70° or Above	60° or Above	50° or Above					Total	Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
* * * NORTHWEST 01																								
BEAVER DAM	48.5	24.0	36.3		70 24	0 19		882	0	3 25	2	.99		.42	10			.0	0		4	0	0	
BENTONVILLE	49.9	28.7	39.3		68 23	10 17		789	0	1 21	0	.66		.42	10			.0	0		2	0	0	
EUREKA SPRINGS	52.3	29.5	40.9	-.1	71 23	- 1 18		736	0	1 21	1	.78	- 2.05	.44	10			.0	0		2	0	0	
FAYETTEVILLE FAA AP	50.2	26.9	38.6		67 29	2 18		812	0	4 21	0	1.88		1.26	31			T	0		4	1	1	
FAYETTEVILLE EXP STA	52.0	29.7	40.9	.3	68 23	3 18		740	0	1 19	0	.90	- 1.64	.46	31			T	0		2	0	0	
DIVISION																								
			39.5	.6								1.09	- 1.48					T						
* * * NORTH CENTRAL 02																								
CALICO ROCK	50.7	26.3	38.5		70 23	4 18		816	0	3 21	0	1.30	- 1.81	.65	4			.0	0		3	1	0	
EVENING SHADE 1 NE	50.5	24.6	37.6		68 23	2 18		846	0	2 24	0	2.45		1.31	5			.0	0		4	2	1	
GILBERT	53.3	25.4	39.4		71 23	2 18		790	0	1 21	0	1.48		.65	4			T	0		3	2	0	
GREERS FERRY DAM	50.0	29.2	39.6		71 25	9 20		780	0	2 19	0	2.49		1.12	4			T	0		4	2	1	
MAMMOTH SPRING	49.3	27.5	38.4	- 1.2	69 23	2 18		818	0	2 19	0	2.55		.78	4			.0	0		6	2	0	
DIVISION																								
			38.5	- 1.5								1.73	- 1.24					T						
* * * NORTHEAST 03																								
ALICIA	49.9	31.8	40.9		68 23	8 18		742	0	1 17	0	3.55		1.36	4			T	0		4	3	2	
BALO KNCB	51.1	33.0	42.1		70 23	10 18		704	0	2 17	0	3.86		2.22	3			T	0		4	2	1	
BATESVILLE LIVESTOCK	51.0M	28.7M	39.9M		69 23	4 18		763	0	2 18	0	2.47		1.13	3			T	0		2	1	0	
BATESVILLE L AND O #1	51.0	30.8	40.9		70 23	8 18		740	0	2 17	0	2.58	- 1.29	1.03	4			T	0		4	2	1	
BEEDEVILLE	52.1	34.6	43.4		67 23	15 18		665	0	1 13	0	5.43		1.76	3			T	0		8	4	2	
DIVISION																								
			41.5	.0								4.10	.03					T						
* * * WEST CENTRAL 04																								
APPLETON	54.1	27.7	40.9		70 23	3 18		742	0	1 19	0	2.01		.91	3			.0	0		3	2	0	
BOONEVILLE	56.4	31.3	43.9	.0	74 23	8 18		651	0	1 15	0	1.04	- 2.19	.48	10			T	0		2	0	0	
CLARKSVILLE	53.0	30.5	41.8		69 23	9 19		712	0	2 17	0	1.22		.60	3			T	0		2	0	0	
OARONELLE	53.7	31.6	42.7	-.9	70 24	10 18		685	0	1 16	0	1.63	- 2.46	.68	4			T	0		19	4	1	
OEVELS KNOB	47.5M	26.9M	37.2M		62 23	0 18		833	0	2 20	1	1.27		.56	4			.0	0		4	1	0	
DIVISION																								
			41.5	-.9								1.57	- 1.97					T						
* * * CENTRAL 05																								
ALUM FORK	53.3	33.5	43.4		72 23	10 18		664	0	2 16	0	2.47		1.55	3			T	0		19	3	2	
BENTON	55.0	35.6	45.3		75 24	13 18		607	0	2 13	0	4.24		1.80	4			1.1	0		5	3	2	
BLAKELY MOUNTAIN OAM	53.0	30.4	41.7		73 24	15 19		714	0	2 20	0	2.66		1.60	4			.2	0		5	1	1	
CONWAY	54.3	33.5	43.9	-.1	74 24	11 18		652	0	2 15	0	2.01	- 2.45	1.18	4			.0	0		4	1	1	
GREENBRIER	52.1	30.2	41.2		71 24	10 18		734	0	2 18	0	1.93		.82	4			T	0		21	4	2	
DIVISION																								
			41.5	.0								2.63	- 1.96	1.30	3			T	0		3	2	1	
HOT SPRINGS 1 NNE	55.1	36.2	45.7	.0	73 24	13 18		593	0	1 12	0	2.43	- 1.96	1.94	3			.0	0		6	4	1	
LEOLA	56.3	33.8	45.1		77 23	13 18		617	0	2 15	0	4.84		1.94	3			.0	0		6	4	1	
LITTLE ROCK WB AIRPORT//R	53.8	34.0	43.9	2.0	77 23	13 18		646	0	3 16	0	4.37	.28	2.49	3			.2	0		20	5	2	
MALVERN	56.7	33.9	45.3		77 24	13 18		608	0	2 15	0	4.28		2.24	3			T	0		4	3	2	

See Reference Notes Following Station Index













DAILY TEMPERATURES

ARKANSAS
DECEMBER 1964

Table with columns for Station, Day of Month (1-31), and Average. Rows include stations like BRINKLEY, DFG ARC, FORREST CITY, HELFENA, KEO, MARIANNA 2 5, SAINT CHARLES, STUTTGART, STUTTGART 9 ESE, WEST MEMPHIS, WYNNE, SOUTHWEST 07, DE QUEEN, OTERK5, HOPE 3 NE, MOUNT IDA, NARROWS OAM, NASHVILLE PEACH SUBSTA, OKAY, STAMPS, TEXARKANA WB AIRPORT, SOUTH CENTRAL 08, ARKAOELPHIA, CAMDEN 1, EL OORAO FAA AIRPORT, FORDYCE 6 W, MAGNOLIA 3 N, MCRIBAY LOCK AND OAM 8, PRESCOTT, SPARKMAN 3 WSW, WARREN, SOUTHEAST 09, CROSSETT 7 5, CUMMINS FARM, DERMOTT 3 NE, OUMAS.

See Reference Notes Following Station Index



# SNOWFALL AND SNOW ON GROUND

ARKANSAS  
DECEMBER 1964

Station	Day of month																																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
* * * NORTHWEST 01																																				
FAYETTEVILLE FAA AP				T	T												T		T								T									
GRAVETTE				T	T																															
HARRISON FAA AIRPORT				T													T		T									T								
ROGERS				T															T								T									
* * * NORTH CENTRAL 02																																				
GILBERT																		T	T																	
* * * NORTHEAST 03																																				
BLYTHEVILLE																		T																		
JONESBORO																																				
MARKED TREE																		T		O.2																
NEWPORT																																				
SEARCY																																				
WALNUT RIDGE FAA AP																																				
* * * WEST CENTRAL 04																																				
FORT SMITH WB AIRPORT					T																															
OZARK																																				
RUSSELLVILLE 4 N																																				
WALORON																																				
* * * CENTRAL 05																																				
HOT SPRINGS 1 NNE																																				
LITTLE ROCK WB AIRPORT																																				
* * * EAST CENTRAL 06																																				
BRINKLEY																																				
MARIANNA 2 S																																				
STUTTGART 9 ESE																																				
* * * SOUTHWEST 07																																				
TEXARKANA WB AIRPORT																																				
* * * SOUTH CENTRAL 08																																				
EL DORADO FAA AIRPORT																																				
PRESCOTT																																				
* * * SOUTHEAST 09																																				
PINE BLUFF FAA AIRPORT																																				

# CLIMATOLOGICAL DATA

ARKANSAS  
DELAYED DATA

Station	Temperature											Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
										95° or Above	32° or Below	32° or Below	32° or Below					Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
* * * SEPTEMBER 1964 PERRY	85.1	59.2	72.2	- 1.3	96	3	43	14	17	12	0	0	0	7.81	4.49	3.35	27	.0	0		5	4	4

## DAILY PRECIPITATION

Station	Total	Day of Month																																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
* * * JULY 1964 HECTOR	3.37		.03								.25		.03																								
* * * AUGUST 1964 GREEN FOREST & ESE	4.55							T									1.55	T																	T		
* * * SEPTEMBER 1964 PERRY	7.81													1.28																							

## DAILY TEMPERATURES

Station		Day of Month																															Average		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
* * * SEPTEMBER 1964 PERRY	MAX MIN	94 68	93 62	96 64	94 65	95 62	94 64	92 62	91 68	95 64	95 61	84 65	80 51	77 45	82 43	85 49	75 59	88 60	88 60	91 61	86 63	89 67	92 70	81 68	78 51	80 49	76 58	70 58	62 50	72 59	78 50				85.1 59.2



REFERENCE NOTES

Additional information regarding the climate of Arkansas may be obtained by writing to the Weather Bureau State Climatologist at Weather Bureau Airport Station, Adams Field, Little Rock, Arkansas 72202, or to any Weather Bureau Office near you.

**DIMENSIONAL UNITS:** Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F. In "Supplemental Data" table directions entered in figures are tens of degrees.

**OBSERVATION TIME:** The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time. Snow on ground in the "Snowfall and Snow on Ground" table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 6:00 a. m., C. S. T. Data in the "Extremes" table, "Daily Precipitation" table, "Daily Temperature" table, "Evaporation and Wind" table, and snowfall in the "Snowfall and Snow on Ground" table, when published, are for the 24 hours ending at time of observation.

**EVAPORATION** is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" table. Max and Min in "Evaporation and Wind" table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

**WATER EQUIVALENT** values published in the "Snowfall and Snow on Ground" table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations. consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

**SNOWFALL:** Entries of snowfall in the "Climatological Data" table, the "Snowfall and Snow on Ground" table, and in the "Seasonal Snowfall" table, include snow and sleet. Entries of snow on ground include snow, sleet, and ice.

**NORMALS** for all stations are climatological standard normals based on the period 1931-1960.

**DIVISIONS,** as used in this publication, became effective with data for January 1957.

**STATION NAMES:** Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

**SEASONAL TABLES:** Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

**DELAYED DATA AND CORRECTIONS** will be carried only in the June and December issues of this bulletin.

**INTERPOLATED VALUES** for monthly precipitation totals may be found in the annual issue of this publication.

IN THE DATA TABLES THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- No record in the "Supplemental Data" table, "Daily Precipitation" table, "Evaporation and Wind" table, "Snowfall and Snow on Ground" table, and the Station Index.
- No record in the "Climatological Data" table and the "Daily Temperature" table is indicated by no entry.
- + And also on an earlier date or dates.
- ⊕ Highest observed one minute windspeed. This station is not equipped with an instrument to measure fastest mile data.
- \* Amount included in following measurement, time distribution unknown.
- ☐ Gage is equipped with a windshield.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- T Trace, an amount too small to measure.
- V Includes total for previous month.

IN THE STATION INDEX THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

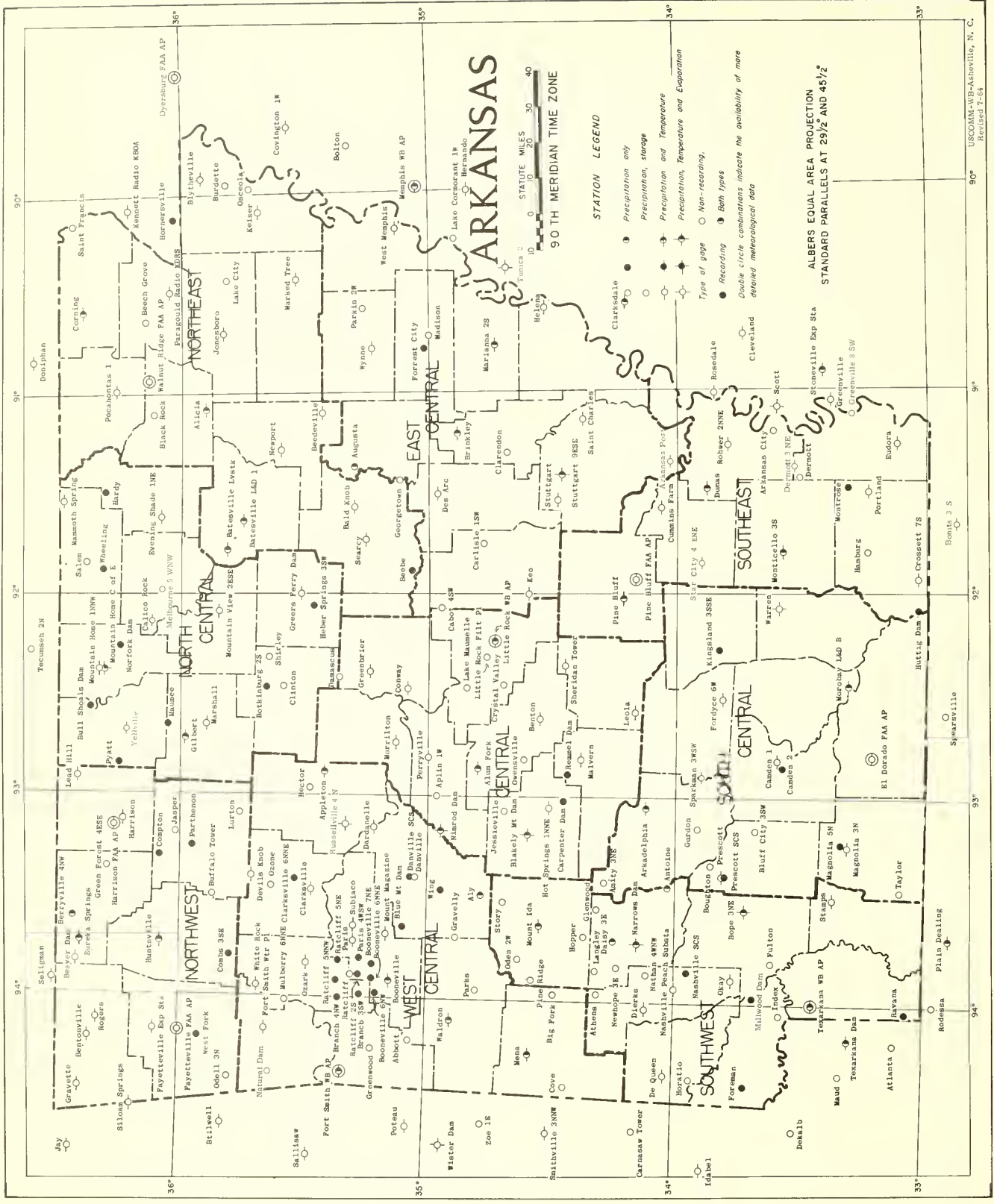
- AR This entry in time of observation column in Station Index means after rain.
- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in the "Hourly Precipitation Data" bulletin. If daily amounts are published in "Climatological Data" bulletin they are from a separate non-recording gage, except where indicated by reference 'R'. Such amounts may differ from amounts published from the recording gage in the "Hourly Precipitation Data" bulletin.
- G "Soil Temperature" table.
- H "Snowfall and Snow on Ground" table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" table.
- SS This entry in time of observation column in Station Index means observation made near sunset.
- VAR This entry in time of observation column in Station Index means variable.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground, however, this reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

Stations appearing in the Index, but for which data are not listed in the tables, were either missing or received too late to be included in this issue.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this State, price 45 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data, price 15 cents. These publications may be obtained from the Superintendent of Documents at the address shown above.

Subscription Price: 20 cents per copy, monthly and annual, \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.



# ARKANSAS

90 TH MERIDIAN TIME ZONE

### STATION LEGEND

- Precipitation only
- Precipitation, storage
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation
- Type of page ○ Non-recording.
- Recording ● Both types
- Double circle combinations indicate the availability of more detailed meteorological data

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29½ AND 45½







U. S. DEPARTMENT OF COMMERCE  
JOHN T. CONNOR, Secretary  
WEATHER BUREAU  
ROBERT M. WHITE, Chief

# CLIMATOLOGICAL DATA

ARKANSAS



ANNUAL SUMMARY 1964

Volume 69      No. 13



# AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

ARKANSAS  
1964

Table 1

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	Temperature	Departure				
<b>NORTHWEST 01</b>																																
BEAVER DAM	36.3M		35.4		44.6		61.7		68.6		74.2		79.4		75.4		69.2		55.7		51.0		36.3		57.3M							
BENTONVILLE	40.4		38.3M		46.3		63.6		68.7		74.4		80.6		77.3		70.3		58.8		52.8		39.5		59.2M							
EUREKA SPRINGS	40.0	1.4	36.6	- 5.3	45.6	- 2.9	61.5	2.0	66.5	- 0.1	71.9	- 3.3	77.1	- 2.4	73.0	- 6.2	64.2	- 6.0	56.0	- 6.0	52.4	3.6	40.9	- 0.1	57.3					- 2.1		
FAYETTEVILLE FAA AP	37.7		35.8		44.1		61.8		68.5		73.8		79.7		76.1		68.9		55.7		51.3		38.6		57.7							
FAYETTEVILLE EXP STA	39.6	1.6	37.9	- 3.6	46.9	- 1.2	63.3	4.7	68.6	2.4	74.7	- 0.3	80.9	1.7	76.7	- 1.8	70.3	- 1.1	57.9	- 3.1	53.5	5.6	40.9	0.3	59.3					0.5		
GRAVETTE	38.3	1.5	36.6	- 3.6	45.5	- 1.5	63.8	3.7	68.9	1.0	73.2	- 1.7	79.2	- 0.3	75.5	- 2.8	69.1	- 2.5	56.5	- 3.9	50.6	3.8	37.7	- 1.8	57.7					- 0.6		
HARRISON	40.9	2.9	38.4	- 2.7	47.1	- 1.0	63.7	5.0	69.8	3.2	75.9	0.7	80.3	0.9	76.8	- 1.7	70.3	- 0.7	57.1	- 3.1	52.2	4.6	39.8	- 0.4	59.4					0.7		
HARRISVILLE FAA AIRPORT	40.3		37.4		46.1		62.1		68.6		74.4		79.3		75.4		69.7		57.6		52.0		39.1		58.5							
HUNTSVILLE	39.0		37.0		45.6		61.8		67.2		73.2		78.5		75.1		69.2		56.2		54.0M		40.0		58.1M							
LEAO HILL	40.3	3.2	38.4	- 2.1	47.1	- 0.3	63.7	5.4	70.2	4.2	75.7	0.3	81.5	1.6	77.3	- 1.8	71.2	- 0.1	58.3	- 1.8	53.4	6.6	40.7	1.4	59.8					1.4		
ROGERS	42.0	3.9	39.1	- 2.6	47.0	- 1.1	62.6	3.5	68.2	1.9	74.0	- 0.6	80.6	1.6	76.7	- 1.8	70.2	- 1.3	59.8	- 1.4	55.9	7.2	40.5	0.1	59.6					0.8		
SILOAM SPRINGS	40.6		38.7		47.6		63.9		69.2		75.4		82.0		78.4		71.5		59.1		53.5		40.6		60.0							
DIVISION	39.6	1.8	37.5	- 3.8	46.3	- 1.5	62.6	3.6	68.3	2.1	74.2	- 0.8	79.9	0.7	76.2	- 2.4	69.7	- 1.6	57.4	- 3.4	52.6	5.4	39.5	- 0.6	58.7					0.0		
<b>NORTH CENTRAL 02</b>																																
CALICO ROCK	39.5		38.4		47.9		63.0		70.7		75.8		80.4		75.6		69.7		55.5		51.6		38.5		58.9							
EVENING SHAOE 1 NE	-		-		-		-		69.6		75.6		81.2		77.9M		69.6		55.6		49.7		37.6		58.9							
GILBERT	39.1		37.8		48.1		62.7		68.5		74.6		79.0		75.8		70.2		56.3		51.7		39.4		58.6							
GREENS FERRY OAM	38.6	0.8	37.4M	- 3.4	47.3M	1.1	62.2	2.7	70.1	M	77.5		82.5		77.4		70.1	- 0.9	55.9M	- 4.3	50.6M	3.2	38.4	- 1.2	-							
MAMMOTH SPRING	38.4		37.4M		47.3M		62.2		70.1		77.5		82.5		77.4		70.1	- 0.9	55.9M	- 4.3	50.6M	3.2	38.4	- 1.2	-							
MARSHALL	42.8M		39.2		49.2		63.0		70.2	M	76.2		81.0		77.5		70.2		57.2		52.6		41.3		59.8							
MOUNTAIN HOME 1 NNW	40.5	0.5	38.8	- 3.4	46.0	- 2.8	62.1	2.4	69.7	2.5	75.9	0.1	81.0	1.3	75.9	- 3.0	71.3	- 0.7	58.4	- 3.0	52.5	4.3	37.8	- 2.7	58.9					- 0.4		
MOUNTAIN HOME C OF ENG	36.8		36.5		45.4		61.8		69.6		75.5		80.3		75.6		70.4		56.5		51.2		36.8		58.0							
MOUNTAIN VIEW 2 ESE	39.9		37.5		47.7		61.0		67.5		74.6		79.7		74.4		68.6		55.1M		50.6M		38.0M		57.9M							
YELLVILLE	-		-		-		-		78.3M		80.0		80.0		76.2		68.9		54.9		50.8		38.0		58.0							
DIVISION	39.3	1.0	37.9	- 3.4	47.6	- 0.4	62.4	3.3	69.4	2.6	76.2	0.5	80.3	0.8	76.3	- 2.3	70.1	- 1.3	56.2	- 4.2	51.5	3.9	38.5	- 1.5	58.8					0.1		
<b>NORTHEAST 03</b>																																
ALICIA	40.7		40.1M		51.2M		63.2M		70.9M		78.9M		81.8M		78.4M		71.7M		57.8		53.1		40.9		60.7M							
BALO KNOB	40.4		41.0		52.5		64.0		71.2		78.3		81.3		77.7		71.7		59.0		53.8		42.1		61.1							
BATESVILLE LIVESTOCK	40.5		39.9		50.9M		63.8		70.9M		78.9M		81.1		77.3		70.1M		57.7M		52.9M		40.9M		60.1M							
BATESVILLE L AND O #1	40.1		38.5		50.3		63.4		70.0		76.6		80.0		77.1M		70.9		57.5		52.5		40.9		59.8M							
BEEFVILLE	41.0		41.1		52.0		64.7		71.6		79.6		81.9		78.4		71.6		58.6		53.3		43.4		61.4							
BLYTHEVILLE	41.4	1.4	41.1	- 1.9	52.3	1.8	64.3	3.1	72.1	1.9	79.6	1.0	80.7	- 0.6	78.4	- 1.9	72.3	- 1.2	59.5	- 3.6	54.7	4.8	42.1	- 0.2	61.5					0.4		
CORNING	39.7	1.0	39.5	- 2.1	50.2	0.6	64.0	3.4	71.1	2.2	78.0	0.4	80.7	- 0.3	77.5	- 2.5	70.3	- 2.4	57.5	- 4.1	52.3	3.7	39.7	- 0.7	60.0					0.3		
JONESBORO	41.6	1.2	41.2	- 2.1	51.7	1.0	64.0	2.7	71.7	2.0	79.9	1.6	82.0	0.6	79.1	- 1.5	72.3	- 1.4	59.4	- 3.7	53.4	3.7	42.1	0.0	61.5					0.1		
KEISER	41.0		40.3		52.0		63.8		72.7		79.6		80.9		77.8		72.2		59.1		54.2		42.9		61.4							
MARKEE TREE	39.5M	0.2	40.3	- 1.6	51.0	1.4	62.3	1.4	70.0	0.5	78.5	0.5	80.0	- 0.9	77.0	- 2.9	70.2	- 2.4	57.5	- 4.5	52.2	3.4	41.2	0.1	60.0M					- 0.4		
NEWPORT	42.1	0.9	41.4	- 2.7	52.4	0.8	64.7	2.8	73.5	3.3	78.9	0.3	81.8	0.0	77.6	- 3.4	71.6	- 2.3	57.9	- 5.3	53.9	3.9	42.7	- 0.2	61.5							
PARAGOULD RADIO KORS	41.0		41.4		51.7M		64.6		72.2		79.9		82.3		79.2		72.7		60.1		53.9		41.8		61.7M							
POCAHONTAS 1	39.5	0.2	38.9	- 3.3	49.8	- 0.3	60.9	0.5	69.7	1.3	76.1	- 1.0	79.6	- 1.3	76.0	- 4.1	51.2	- 5.1	51.2	- 5.1	51.2	2.4	39.4M	- 1.2	58.9M					- 1.3		
SEARCY	42.1	0.5	42.1	- 2.4	53.3	1.7	65.1	3.3	72.4	2.6	79.4	1.4	83.8	2.1	80.1	- 1.2	73.5	- 1.0	60.1	- 3.5	54.9	5.5	43.2	0.0	62.5					0.7		
WALNUT RIDGE FAA AP	39.4		39.7		49.4		62.7		70.6		78.4		81.5		77.7		71.2		58.0		52.2		40.1		60.1							
DIVISION	40.7	0.7	40.4	- 2.5	51.3	1.0	63.7	2.9	71.3	2.0	78.6	0.8	81.3	0.4	78.0	- 2.1	71.4	- 1.7	58.4	- 3.9	53.2	4.0	41.5	0.0	60.8					0.1		
<b>WEST CENTRAL 04</b>																																
APPLETON	-		-		57.8		71.4		78.6		80.7		80.7		78.6		73.5		59.8		52.7		40.9		62.7							
BOONEVILLE	42.5	0.7	41.8	- 3.4	51.7	- 0.4	65.3	3.1	71.6	1.8	79.5	1.4	84.6	2.2	80.8	- 1.2	73.5	- 1.5	60.3	- 3.9	56.5	5.9	43.9	0.0	62.7					0.4		
CLARKSVILLE	41.4		41.1		51.4		65.0		71.8		78.8		84.4		79.7		73.0		59.8		55.7		41.8		62.0							
COVINGTON	40.8	- 1.4	40.7	- 4.9	51.1	- 1.6	64.4	1.4	71.9	1.2	78.4	- 0.4	83.4	0.8	79.6	- 2.4	73.0	- 2.3	59.5	- 4.8	54.4	3.3	42.7	- 0.9	61.7					- 1.0		
DEVILLS KNOB	39.4M		34.0M		46.3M		60.6M																									

# AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

ARKANSAS  
1964

Table 1—Continued

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	
WYNN																											
01VISION	41.7	- 0.9	42.1	- 3.4	53.3	0.9	65.2	2.9	72.6	2.2	79.4	0.9	81.7	0.3	79.1	- 1.3	72.9	- 1.3	59.4	- 4.4	55.5	4.4	44.4	0.3	62.3	0.0	
SOUTHWEST																											
07																											
DE QUEEN	42.4		43.0		54.0		66.3		72.4		78.1		83.1		82.1		73.5		60.7		55.7		44.6M		63.0M		
DIERS	41.2		41.3		52.2		64.8		71.8		76.8		82.0		80.6		72.6		59.7		55.6		45.1		62.0		
HOPE 3 NE	40.5	- 3.2	41.6	- 5.0	52.8	- 0.4	64.3	1.5	72.2	1.5	77.8	- 1.0	83.2	1.2	80.6	- 1.8	72.9	- 2.7	59.9	- 5.0	56.0	4.0	44.5	- 0.7	62.2	- 0.9	
MOUNT 10A	40.5	- 0.9	40.2	- 3.9	51.5	1.0	64.5	4.1	70.5	2.5	77.0	0.6	81.6	1.4	79.9	0.2	72.0	- 0.7	58.0	- 4.6	54.2	4.7	43.9	1.2	61.2	0.6	
NARRO 45 DAM	38.6		40.1		50.7		63.1		70.9		75.5		81.0		79.6		72.1		59.8		55.0		43.0		60.8		
NASHVILLE PEACH SUBSTA	41.5		40.8		51.5		63.2		70.8		76.1		81.1		79.6		72.2		60.1		55.5		43.1		61.3		
OKAY	44.4	- 1.6	44.4	- 4.7	56.6	1.0	67.4	2.9	74.1	2.5	79.0	- 0.3	84.1	1.5	82.6	- 0.8	74.5	- 1.7	62.0	- 4.0	58.2	4.5	48.1	0.9	64.6	0.1	
STAMPS	44.9		43.8		55.8M		66.9		73.2M		78.1M		83.9		81.0M		74.2		62.2M		56.2		46.0		64.2M		
TEXARKANA WB AIRPORT	45.3	0.2	45.0	- 3.5	55.4	0.5	67.0	3.1	73.9	2.3	79.9	0.5	84.9	2.3	82.5	- 0.1	75.0	- 1.5	62.4	- 3.7	58.4	4.7	47.7	0.8	64.8	0.5	
01VISION	42.1	- 1.5	42.2	- 4.5	53.4	0.2	65.3	2.6	72.2	2.1	77.6	- 0.5	82.8	1.3	80.9	- 0.4	73.2	- 1.6	60.5	- 3.9	56.3	4.7	45.3	0.3	62.7	- 0.1	
SOUTH CENTRAL																											
08																											
ARKADELPHIA	43.5		44.0		55.0		66.5		72.5		77.7		82.5		81.4		73.8		61.3		55.3		46.3		63.3		
CAMDEN 1	44.0	- 0.7	44.5	- 3.4	56.4	- 1.9	67.8	3.9	73.7	2.1	79.6	- 0.2	84.3	1.9	82.4	0.5	74.7	- 0.8	61.0	- 3.9	56.9	4.3	48.0	2.0	64.4	0.6	
EL DORADO FAA AIRPORT	42.5	- 4.0	42.4	- 7.0	54.9	- 0.7	66.9	2.4	72.8	0.6	79.9	- 0.1	84.9	2.2	81.9	- 0.5	74.5	- 2.1	60.9	- 3.3	56.1	2.0	46.4	- 1.2	63.7	- 1.1	
FOYCE 6 W	43.7		42.9		54.3		65.1		72.5		79.0		83.1		82.6		74.6		61.2		57.1		47.2		63.6		
MAGNOLIA 3 N	45.0	- 2.4	43.9	- 6.2	55.9	- 0.4	67.1	2.3	72.8	0.7	78.2M	- 1.4	83.0	0.5	80.2	- 2.3	73.5	- 3.2	61.3	- 5.4	55.9M	1.4	48.4	0.0	63.8M	- 1.3	
MOROBAY LOCK AND DAM 8	41.7M		42.2		54.0		66.1		73.2		78.1		82.3		81.4		75.0		60.0		56.6		45.6		63.0M		
PRESOTT	44.4	- 0.2	44.5	- 3.2	56.5	1.8	67.7	3.6	73.8	1.9	79.5	- 0.3	84.4	1.3	82.2	- 0.6	74.7	- 1.7	61.9	- 4.1	58.3	5.3	47.7	1.7	64.6	0.4	
SPARKMAN 3 WSW	41.1M		42.5M		53.9M		64.8		74.6M		79.5		82.0M		80.0M		72.2M		59.0M		54.4M		46.4M		63.6		
WARREN	45.1	- 0.9	44.6	- 4.6	55.9	0.1	67.0	2.3	72.8	0.6	79.8	- 0.1	84.4	1.6	82.7	0.2	74.8	- 1.5	61.8	- 4.3	57.5	3.6	48.3	0.9	64.6	- 0.1	
01VISION	43.4	- 1.6	43.5	- 4.6	55.2	0.5	66.8	3.4	73.2	1.8	79.0	- 0.2	83.4	1.0	81.6	- 0.5	74.2	- 1.7	60.9	- 4.7	56.5	3.5	47.1	0.8	63.7	- 0.3	
SOUTHEAST																											
09																											
CROSSSETT 7 5	45.6	- 0.7	44.7	- 4.5	55.3	- 0.7	67.3	3.7	72.4	1.2	78.7	0.0	82.6	1.3	81.3	0.0	75.1M	- 0.8	61.4	- 4.2	57.1	3.4	48.8	1.5	64.2M	0.0	
CUMMINS FARM	41.7M		41.3		51.8		62.8M		72.0		79.2		81.6		80.7M		75.2M		58.9M		54.5		48.1		63.3		
DERMOTT 3 NE	44.5		43.5		55.5		66.4		72.0		79.0		81.1		79.2		73.2		60.4		56.5		46.1		63.3		
OUKAS	43.3	- 2.0	43.5	- 4.3	54.9	0.3	66.0	2.7	73.0	1.8	80.4	0.3	82.7	- 0.3	80.5	- 1.9	74.8	- 1.1	60.5	- 4.7	56.4	3.4	46.1	- 0.2	63.5	- 0.6	
EUORA	46.7		45.8		57.7		68.2		74.1		80.6M		82.8		81.1		75.6		62.7		58.9		50.3		65.4M		
MONTICELLO 3 5	44.0		43.5		56.0		66.2		72.2		78.8		81.8		81.0		74.1		60.5		57.0		47.3		63.5		
PINE BLUFF	45.8	0.7	44.7	- 3.3	56.3	1.5	65.3	1.4	73.6	1.8	79.8	- 0.1	83.8	0.7	81.5	- 1.7	74.9	- 2.7	61.9	- 4.4	55.8	3.9	47.6	1.0	64.5	0.0	
PINE BLUFF FAA AIRPORT	43.1		43.2		54.3		66.3		73.9		80.8		83.6		81.1		74.7		60.9		56.4		45.7		63.6		
PORTLAND	42.2M	- 3.8	42.8	- 5.9	54.4	- 1.7	64.4	0.5	71.5	- 0.1	77.8	- 1.3	79.9	- 1.8	78.9	- 2.3	73.4	- 1.8	59.5	- 5.5	55.2	1.6	43.9	- 3.6	61.9M	- 2.2	
ROHMER 2 NNE	44.6		43.7		54.7		66.4		72.8		79.9		81.1		79.0		73.5		60.3		56.7		48.7		63.3		
STAR CITY 2 S	-		-		M		-		-		-		-		-		-		-		-		-		-		
STAR CITY 4 ENE	-		-		-		-		-		-		-		M		80.3M		73.5M		59.4		48.3M		-		
01VISION	44.2	- 1.2	43.7	- 4.6	55.0	0.3	66.1	2.7	72.9	1.8	79.5	0.2	82.1	0.1	80.4	- 1.3	74.4	- 1.2	60.6	- 4.6	56.7	3.6	47.3	0.8	63.6	- 0.3	

Division averages in the annual issue include delayed and corrected data and may differ slightly from values published in monthly issues.

A Special Weather Summary describing unusual weather in 1964 was included in March, April, May, and June issues of this publication.

# TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

ARKANSAS  
1964

Table 2

Station	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	
* * * NORTHWEST 01																											
BEAVER DAM	.77	2.42	6.81		2.56		3.63		4.54		1.93		8.79		4.57		1.31		3.29		.99		41.61		37.60		
BENTONVILLE	.75	2.09	4.37		5.13		2.67		4.41		.63		9.30		3.53		1.33		2.73		.66		34.23		37.60		
BERRYVILLE 4 NW	.57	2.34	4.24		3.83		3.44		3.26		2.44		7.35		2.15		.81		2.83		.67		41.44		37.60		
BUFFALO TOWER	.60	2.35	7.28		5.18		5.50		5.50		1.44		4.77		4.77		.32		4.68		.71		41.44		37.60		
EUREKA SPRINGS	.90-1.87	2.23-	.96		3.88	.04	3.49-	.99	3.61-	2.94	6.42	.81	5.22	1.33	9.42	5.73	1.86-	2.49	.98-	3.13	2.09-	1.46	.78-	2.05	40.48-	7.96	
FAYETTEVILLE FAA AP	.72	2.08	3.84		3.55		4.52		4.91		.26		9.12		4.42		.25		3.89		1.88		39.44		37.60		
FAYETTEVILLE EXP STA	.80-1.78	1.85-	1.19		2.73-	.63	3.33-	1.44	3.49-	2.49	5.29	.22	5.0-	3.13	9.60	6.22	4.01-	.09	.31-	3.24	3.69	.46	9.0-	1.64	36.50-	8.71	
GRAVETTE	.69-1.65	1.83-	1.08		3.78	.32	5.34	.64	1.87-	4.31	7.83	2.62	.39-	2.70	8.30	5.02	2.90-	1.62	1.95-	1.76	4.01	.97	1.86	.97	39.86-	5.10	
GREEN FOREST 4 ESE	.19	1.59	6.57		2.70		4.80		3.69		1.83		4.55		3.67		.31		1.86		2.13		33.95		37.60		
HARRISON	.92	2.46	7.24		3.75		3.47		2.22		5.50		4.88		5.67		3.63		3.69		1.17		39.41		37.60		
HARRISON FAA AIRPORT	1.13	2.97	6.70		3.40		4.00		5.78		3.53		6.86		3.94		.17		3.55		1.53		43.56		37.60		
HUNTSVILLE	.78	2.40	5.65		4.65		3.70		3.55		2.55		6.93		3.72		.7		3.65		1.21		38.79		37.60		
JASPER	1.02	2.55	7.38		4.41		4.03		.96		1.49		8.02		4.31		.80		4.30		.93		39.00		37.60		
LEAD HILL	.64-2.04	1.78-	1.42		5.07	1.81	3.02-	1.04	2.59-	2.56	5.94	1.42	2.11-	1.34	7.72	4.70	4.39	1.16	1.83-	1.16	2.60-	.57	1.35-	1.17	39.07-	2.21	
LURTON	.69	2.90	6.63		5.68		5.70		2.50		1.15		5.55		3.98		.57		4.15		1.25		40.75		37.60		
MODELL 3 N	.75	2.68	4.35		3.38		5.49		5.50		.35		9.57		4.32		.39		4.25		1.34		42.37		37.60		
ROGERS	.83-1.75	.67-	2.35		4.10	.58	3.01-	1.56	2.52-	3.57	2.97	2.42	1.4-	3.78	8.60	5.03	3.53-	1.11	1.26-	2.91	.71	.77-	1.70	42.34-	14.43		
SILGAM SPRINGS	.59	1.57	4.46		3.87		3.49		6.31		6.31		.63		10.95				3.38		.86		40.98		37.60		
DIVISION																											
	.79-	1.83	2.03-	1.27	4.89	1.23	3.76-	.95	3.30-	2.89	5.01-	.10	1.90-	1.77	8.44	5.09	3.68-	.27	.88-	2.60	3.3	.14	1.09-	1.48	39.15-	6.70	
* * * NORTH CENTRAL 02																											
CALICO ROCK	.45-3.12	2.62-	.86		7.66	3.69	3.62-	.69	3.04-	2.24	1.94-	2.52	4.65	1.00	7.71	4.47	3.56	.34	1.64-	1.89	4.77	1.02	1.30-	1.81	42.76-	2.61	
CLINTON	.51	3.15	9.89		5.77		6.12		1.42		2.82		6.74		7.16		.35		5.12		2.18		51.23		37.60		
EVENING SHADE 1 NE	.74	3.28	11.12		5.00		3.12		.57		2.05		5.20		5.63		1.71		2.85		2.45		43.76		37.60		
GILBERT	.71	2.57	5.89		4.03		3.67		1.72		1.72		6.02		4.25		.82		3.18		1.48		36.03		37.60		
GREERS SPRING DAM	.60	2.81	7.40		5.32		2.71		.74		4.45		9.93		6.65		.3		3.95		2.49		46.88		37.60		
MAMMOTH SPRING	.63	2.95	8.86		5.85		2.13		4.74		2.82		4.82		6.56		3.57		5.86		2.55		44.82		37.60		
MARSHALL	.95	2.83	7.95		5.42		3.37		1.67		1.90		9.28		5.56		.28		3.47		.99		40.67		37.60		
MELBOURNE 5 NW	.18	3.80	8.02		3.86		3.86		1.40		3.33		7.24		2.10		6.49		4.62		.75		38.49		37.60		
MOUNTAIN HOME 1 NW	.85-1.98	2.47-	.85		8.60	4.94	4.47	.18	2.14-	3.09	5.28	.83	4.05	.82	5.83	3.01	3.41	.47	.82-	2.09	4.49	1.08	1.30-	1.60	43.91-	1.72	
MOUNTAIN HOME C OF ENG	.74	2.44	8.14		4.13		2.18		5.21		3.36		6.78		3.40				4.35		1.29		43.04		37.60		
MOUNTAIN VIEW 2 ESE	.81	2.51	8.98		5.99		4.64		1.06		2.20		6.40		6.27		.63		4.16		1.74		45.39		37.60		
SALEM	.72	3.06	8.29		6.83		2.56		3.44		2.72		5.37		3.20		.46		4.15		1.51		42.31		37.60		
SHIRLEY	1.15	3.09	9.16		5.76		5.54		1.18		3.50		7.29		7.73		.47		5.64		2.50		53.01		37.60		
YELLVILLE	-	-	-		-		-		-		3.43		5.97		3.91		.90		1.65				43.04		37.60		
DIVISION																											
	.72-	2.48	2.76-	.66	8.29	4.40	4.87	.52	3.00-	2.37	2.55-	1.59	3.04-	.38	6.37	3.17	4.62	1.65	.90-	2.20	4.08	.55	1.73-	1.24	42.91-	.63	
* * * NORTHEAST 03																											
ALICIA	E 1.16	3.25	10.38		6.46		5.03		.52		2.04		6.65		6.52		.74		4.83		3.55		E 51.13		37.60		
BALD KNOB	1.08	2.68	9.84		5.77		1.80		.77		3.23		7.28		6.73		.62		3.86		3.86		47.46		37.60		
BATESVILLE LIVESTOCK	.47	2.24	8.60		5.00		4.27		1.05		4.59		6.32		6.49		1.27		4.42		2.47		47.19		37.60		
BATESVILLE L AND O #1	.50-3.90	2.57-	1.60		8.64	3.96	6.87	2.53	3.49-	1.45	.95-	3.22	5.25	1.44	6.04	2.61	6.10	2.87	1.85-	1.42	5.21	.94	2.58-	1.29	50.05	1.47	
RETECH GROVE	.83	2.58	10.83		4.78		4.08		1.08		1.78		7.88		5.62				4.70		3.70		48.85		37.60		
BEFEEVILLE	E 1.31	2.94	8.95		7.37		2.71		1.37		2.58		6.48		4.06		.95		2.97		5.43		E 47.12		37.60		
BLACK ROCK	.78-3.19	3.10-	.79		8.85	4.57	6.19	1.99	4.89	.24	1.19-	2.64	1.85-	1.57	6.23	3.13	7.70	4.71	.85-	2.35	5.74	1.32	2.54-	1.24	49.91	4.18	
BLYTEVILLE	1.65-3.80	2.71-	1.62		9.55	4.55	9.48	5.47	4.84	.67	1.97-	1.32	4.50	.84	5.95	2.57	5.67	2.46	5.4-	2.26	5.66	1.53	5.54	1.30	57.86	10.39	
BUPPETTE	2.14	2.80	11.58		10.07		4.86		1.90		1.86		9.93		5.43		2.67		4.94		7.05		60.08		37.60		
CORNING	1.10-3.27	3.04-	.99		10.81	6.29	5.10	.83	4.61-	.42	1.95-	1.96	4.26	.20	10.95	7.10	8.02	5.09	.18-	3.25	2.56	1.39	3.24-	.36	54.92	7.87	
GEORGETOWN	1.44-3.66	2.99-	1.41		8.87	3.68	9.83	5.12	2.26-	2.53	.89-	3.04	2.61-	1.04	3.91	1.03	4.73	1.78	.47-	2.69	3.59-	.97	4.03-	.17	45.62-	3.90	
JONESBORO	1.36-3.59	3.34-	1.05		10.69	5.60	7.19	3.07	4.38	.16	.91-	2.79	3.15-	.40	8.50	5.57	7.33	4.23	.56-	2.87	4.35	.22	3.56-	.71	55.32	7.44	
KEISER	2.19	2.80	9.55		9.22		2.77		1.14		3.76		3.33		6.99		.86		4.88		4.72		50.46		37.60		
LAKE CITY	1.15-4.48	2.89-	1.59		9.80	4.52	7.20	2.24	3.57-	.94	1.23-	2.36	3.14-	.73	6.09	3.03	4.96	1.93	.98-	2.06	3.42-	.84	7.07	2.82	51.48	1.54	
MARKED TREE	1.44-3.66	2.99-	1.41		8.87	3.68	9.83	5.12	2.26-	2.53	.89-	3.04	2.61-	1.04	3.91												

# TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

ARKANSAS  
1964

Table 2—Continued

Station	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	
CENTRAL 05																											
ALUM FORK	.81	3.04	9.48	7.67	1.97	1.05	4.05	4.15	4.93	.73	4.61	2.47	44.41														
ARLIN 1 W	.43	3.94	10.11	5.34	3.71	.67	2.19	3.79	5.77	.31	4.19	1.07	41.52														
BENTON	.47	3.18	8.74	12.42	2.03	.44	2.58	3.99	6.92	.10	3.94	4.24	49.05														
BLAKELY MOUNTAIN DAM	.86	3.10	7.73	13.47	1.79	2.32	2.44	4.44	5.08	.66	5.71	2.66	51.26														
CONWAY	.86	3.92	2.91-1.71	8.71	3.68	7.75	2.35	2.13-3.69	.55	3.41	3.02	.74	2.69-	.29	9.23	5.97	.36-	2.84	7.28	2.89	2.01-2.45	47.52	4.16				
CRYSTAL VALLEY	1.17	3.54	8.24	12.44	1.41	.22	3.61	4.56	7.36	.48	3.80	3.63	50.56														
OHAMSCUS	.76	3.75	7.10	7.02	3.26	.52	1.87	6.17	7.24	.74	5.54	1.62	46.59														
GREENBRIER	.76	3.47	7.48	6.83	2.23	1.78	1.41	4.42	7.96	.15	5.07	1.95	43.51														
HOT SPRINGS 1 NNE	.81-	4.44	3.41-1.33	7.18	1.94	14.54	8.60	1.14-	4.96	1.75-	2.56	5.41	1.20	5.39	2.15	.84-	2.62	3.15-	1.42	2.63-	1.96	51.06	4.44				
JESSIEVILLE	.93	3.23	9.46	10.70	2.80	1.25	2.60	5.84	6.37	1.17	3.80	3.01	44.35														
LAKE MAUMELLE	.83	3.25	8.68	8.10	.75	.42	2.75	3.40	6.74	.12	3.55	2.45	41.04														
LEOLA	1.14	2.82	5.97	10.82	.70	.54	4.83	3.30	6.69	.86	2.42	4.84	46.93														
LITTLE ROCK WB AIRPORT	.98	4.24	2.87-1.44	8.22	3.41	11.06	6.13	1.40-	3.88	1.31-	3.30	5.46	2.23	5.46	2.23	.37-	2.51	3.70-	.42	4.37	.28	46.24	2.42				
LITTLE ROCK FILT PLANT	.99	3.16	8.95	10.70	2.80	1.34	2.09	4.45	7.34	.40	3.80	3.01	44.35														
VALVERN	.84	3.73	9.33	11.34	2.54	1.47	4.57	4.69	6.04	.43	4.28	5.05															
MORRILTON	.40-	3.87	3.39-	.55	7.24	2.51	5.33	.31	2.68-	2.65	1.48-	2.42	2.09-	.83	3.02	.07	8.48	5.47	.14-	2.76	4.48	1.54	2.61	40.12	6.67		
YIMROD DAM	.37	3.15	7.92	8.51	2.90	.83	3.70	4.94	6.65	.30	5.04	4.99	40.19														
OWENSVILLE	.98	3.20	7.65	12.85	.64	1.07	3.12	4.41	6.32	.26	3.47	2.88	46.87														
RERRY	-	-	-	-	-	-	-	-	7.81	4.49	.18-	2.82	5.31	1.28	1.36-	2.56	-	-	-	-	-	-	-	-	-		
PERRYVILLE	1.33	4.04	3.35-	.28	8.67	3.86	5.12-	.18	1.99-	3.67	.71-	3.83	1.50-	2.20	2.83-	.42	-	-	-	-	-	-	-	-	-		
SHERIDAN TOWER	1.22	3.37	8.58	12.57	1.45	1.51	2.50	4.95	6.78	.46	3.53	5.08	52.00														
DIVISION	.80-	4.14	3.20-	1.25	8.05	3.04	9.94	4.44	1.91-	3.86	1.17-	2.87	3.23-	.49	4.22	1.04	6.08	3.35	.40-	2.84	4.53	.26	2.94-	1.32	47.07-	4.59	
EAST CENTRAL 06																											
ARKANSAS POST	3.52	2.30	6.32	11.25	3.33	.57	2.60	2.35	3.37	1.22	3.18	7.99	48.00														
AUGUSTA	1.06	2.60	9.30	7.32	2.06	1.43	4.21	6.02	8.24	.46	3.71	4.30	50.71														
BRINKLEY	2.32	3.37	8.05	14.58	2.37	2.98	5.37	4.88	4.12	1.56	2.59	6.06	58.21														
CABOT 4 SW	1.21	2.89	7.59	10.59	1.40	1.25	2.33	2.24	4.69	1.00	4.14	4.74															
CARLISLE 1 SW	1.29	2.64	6.09	15.46	1.50	.25	2.45	8.51	3.19	.37	2.49	3.22	47.46														
CLARENDON	2.09-	3.33	3.04-	1.74	7.24	2.24	12.13	7.44	1.79-	2.58	1.49-	2.54	1.59-	2.55	4.02	1.42	3.75	.93	1.98-	1.03	3.78-	.66	6.29	1.75	49.19-	.64	
DES ARC	1.37	3.22	6.65	11.65	2.24	2.37	4.23	5.98	4.91	.51	4.71	4.84	51.68														
FOREST CITY	1.84	3.18	8.59	12.06	2.76	.70	3.76	1.84	7.36	1.26	3.04	5.64	50.21														
HELENA	4.08	1.97	3.34-	1.53	6.40	1.05	11.33	6.21	1.39-	2.84	1.14-	2.21	3.48-	.46	3.81	3.52	4.78	1.83	3.71	.91	3.42-	1.11	6.87	2.11	56.24	5.56	
KFO	1.05	3.00	7.12	11.57	1.50	.60	4.37	3.87	4.58	1.14	2.75	5.07	46.62														
MAISON	2.34	2.96	8.23	11.12	1.86	1.29	1.89	4.51	4.53	2.05	3.15	6.54	50.47														
MARIANNA 2 S	2.53	3.12	3.43-	1.23	8.75	3.85	13.67	9.06	3.70-	3.02	1.04	3.54	.70	4.85	1.96	2.93-	.25	3.17-	.88	6.34	2.02	56.75	11.32				
PARKIN 2 W	1.80	2.60	6.14	14.67	1.10	1.16	5.75	.67	3.80	3.28	3.68	7.83	56.53														
SAINT CHARLES	2.40	2.83	7.59	12.88	1.07-	3.77	1.16	3.37	4.04	.81	2.01-	.49	3.31-	1.12	7.52	2.74	56.68	1.97									
STUTTGART	2.40	3.46	7.08	1.52	17.88	12.88	1.07-	3.77	1.16	3.37	4.04	.81	2.01-	.49	3.31-	1.12	7.52	2.74	56.68	1.97							
STUTTGART 9 ESE	1.97	3.51	8.81	15.38	.54	1.07	3.94	3.50	3.73	2.15	3.27	6.06	53.93														
WEST MEMPHIS	2.42	2.83	9.30	11.25	1.58	2.22	3.93	4.39	1.62	1.35	1.74	8.01	50.84														
WYNNE	1.80	3.35	8.22	7.71	4.36	3.51	4.14	9.95	5.29	.44	3.41	3.99	56.27														
DIVISION	2.33-	3.31	3.12-	1.66	7.62	2.35	12.75	7.74	2.12-	2.47	1.61-	1.93	3.98	.12	4.64	1.76	4.05	1.07	1.80-	1.28	3.19-	1.11	6.37	1.94	53.58	3.23	
SOUTHWEST 07																											
ANTOINE	.65	2.48	4.34	10.55	2.69	2.64	.72	3.89	4.99	.00	4.83	3.55	41.33														
ATHENS	.87	3.13	6.54	11.56	2.86	1.21	3.18	7.90	4.57	.13	4.26	1.70	40.31														
OLDS 3 E	.67	3.03	6.41	12.05	2.71	1.16	3.10	7.75	5.17	.37	3.43	1.88	42.58														
DE OUEEN	.65	3.21	5.76	9.92	3.54	.63	4.88	8.07	4.73	.21	3.24	1.74	47.58														
DIERKS	.69	3.24	6.58	10.13	2.88	1.60	2.90	7.86	6.23	.44	3.05	1.68	47.28														
FULTON	.88-	4.37	6.75	1.86	8.37	3.33	2.71-	2.43	1.05-	2.96	1.04-	2.57	7.92	4.86	6.34	3.44	.76-	2.44	3.32-	.99	3.25-	1.23	45.12	4.97			
GLENNWOOD	1.14	3.06	9.80	14.37	2.36	2.38	3.35	8.43	4.97	.09	5.71	2.59	58.25														
HDE 3 NE	.72-	4.47	7.49	2.48	7.85	2.25	2.23-	2.93	1.02-	2.74	2.11-	1.98	6.28	3.02	6.55	3.62	.52-	2.65	2.64	1.93	2.51-	1.95	42.22	9.46			
HOPPER	.60	2.67	6.69	11.46	1.84	.12	3.45	10.15	4.67	.35	3.45	1.40	46.85														
HORATIO	.81	2.88	5.17	10.47	2.87	1.27	3.10	4.66	6.21	.21	3.15	1.14	41.94														
INDEX	.95	3.15	5.00	6.90	2.69	2.69	3.75	4.15	9.35	.10	3.81	2.30	42.10														
LANGLEY	.67	3.06	8.01	11.22	.27	1.11	3.46	11.68	4.73	.10	3.47	1.53	51.31														
MOUNT IDA	.66-	4.03	3.01-	1.33	11.06	5.88	7.12	2.00-	4.13	.97-	2.78	2.89-	3.76	7.22	3.20-	.62	2.13-	3.41	.62	4.52	.07	1.39-	3.22	44.19-	9.71		
NARROWS DAM	1.05	2.75	5.75	11.23	3.09	1.68	1.06	8.98	5.30	.46	3.13	3.02	47.50														
NASHVILLE REACH SUBSTA	1.11	3.24	5.24	12.35	5.06	.70	2.04	6.13	4.91	.29	2.39	2.68	46.14														
NATHAN 4 NW	.61	3.13	6.05	13.61	2.62	.91	1.34	7.18	4.91	.29	2.39	2.68	46.14														
NEWMOORE 3 E	.72	3.33	6.05	13.22	3.11	1.32	2.49	6.81	5.27	.27	3.41	4.10	49.90														
OFEN 2 W	.51	3.20	11.03	6.40	1.96	.89	4.48	5.02	4.10	.12	4.73	4.22	44.22														
OKAY	.97-	3.58	2.75-	1.21	4.48-	.22	7.90	2.88	3.19-	2.08	1.57-	2.11	2.26-	1.68	4.45	1.49	8.48	5.07	1.05-	2.38	2.54	1.81	1.96-	2.32	41.60	7.98	
PINE RIDGE	.92-	3.61	2.90-	1.53	9.70	4.77	7.99	2.58	3.56-	2.66	.98	3.15	2.66	1.10	8.10	4.59	4.05	.31	.17-	3.37	4.74	.61	1.35-	2.77	47.12	5.91	
STAMMS	.93	2.26	5.83	9.15	1.25	.44	3.83	7.52	5.90	.20	2.93	6.08	47.12														
STORY	.80	3.40	9.60	5.98	2.29	.42	1.82	4.55	4.23	.20	4.48	.97	38.54														
TEXARKANA WB AIRPORT	.83-	4.01	2.74-	1.21	4.03-	.71	10.08	4.74	2.71-	2.19	2.75	1.14	3.09-	.75	4.47	1.44	7.79	5.07	.47-	2.51	3.51-	.82	3.07-	1.46	45.52	3.67	
DIVISION	.87-	3.61	2.63-	1.32	6.25	1.57	4.52	3.88	2.88-	2.99	1.26-	2.44	2.36-	1.68	6.75	3.65	5.90	2.35	.52-	3.01							

# TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

ARKANSAS  
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Table 2-Continued

Station	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
DERMOTT 3 NE	3.73		2.69		5.72		7.27		1.08		2.68		2.05		1.73		3.33		1.58		3.99		7.13		42.98	
DUMAS	3.74	1.73	2.37	2.38	4.68	.98	12.31	7.31	1.34	3.21	1.26	2.00	1.77	3.02	3.16	.08	3.79	.71	.72	1.96	2.89	1.55	7.65	2.39	45.68	6.34
FUDORA	3.75		2.47		6.25		8.91		1.48		.47		1.50		6.21		3.12		1.06		5.38		6.40		47.00	
HEMBURG	3.80		2.62		4.77		9.24		1.65		2.82		3.32		2.93		3.28		.38		4.17		5.28		44.26	
MONTECELLO 3 S	3.82		1.70		6.44		11.21		.83		.81		3.61		1.53		4.86		1.05		4.83		6.80		47.51	
PINE BLUFF	.94	4.64	3.14	1.96	6.11	.78	10.66	5.30	1.45	3.83	.27	3.11	4.01	.17	4.42	2.00	5.27	2.17	.91	2.37	1.78	2.85	5.34	.51	44.30	7.83
PINE BLUFF FAA AIRPORT	1.45		2.82		4.84		10.39		1.30		.75		2.80		4.48		4.11		.83		2.12		5.40		41.29	
POPTLAND	2.85	2.90	1.86	3.09	6.06	.56	8.57	3.58	1.56	2.36	2.20	1.19	2.12	1.90	3.78	1.09	2.14	.75	2.80	.03	4.17	.24	4.78	.15	42.85	7.38
ROHWER 2 NNE	3.30		2.97		5.50		10.54		2.72		.95		4.00		4.01		3.02		1.29		5.57		5.27		49.14	
STAR CITY 2 S	-		2.10		4.06		-		-		-		-		-		-		-		-		-		-	
STAR CITY 4 ENE	-		-		-		-		-		-		1.14		2.50		2.98		.56		3.50		8.29		-	
DIVISION	2.85	2.84	2.36	2.48	5.47	.08	9.76	4.62	1.47	3.24	1.06	2.29	2.60	1.67	3.54	.65	3.69	.62	1.07	1.75	3.80	.58	6.09	1.08	43.82	7.94

Division averages in the annual issue include delayed and corrected data and may differ slightly from values published in monthly issues.



# TEMPERATURE EXTREMES AND FREEZE DATA

Table 3

ARKANSAS  
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Station	Highest	Date	Lowest	Date	Last spring minimum of										First fall minimum of										Number of days between dates						
					16° or below		20° or below		24° or below		28° or below		32° or below		32° or below		28° or below		24° or below		20° or below		16° or below		16° or below	20° or below	24° or below	28° or below	32° or below		
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.									
<b>NORTHWEST 01</b>																															
BEAVER OAM	107	8-5	-3	1-14	2-28	15	3-30	19	3-31	22	4-9	28	4-10	32	10-9	31	11-21	14	11-21	14	11-21	14	11-21	14	11-21	14	267	236	235	226	182
BENTONVILLE	107	8-4	0	1-14	3-26	16	3-30	17	3-30	17	3-31	28	4-9	29	10-9	32	10-20	28	11-20	23	11-21	13	11-21	13	240	236	235	203	183		
EUREKA SPRINGS	104	8-4	-1	12-18	3-30	13	3-30	13	3-30	13	4-9	26	4-9	26	10-6	29	10-6	29	11-21	12	11-21	12	11-21	12	236	236	236	183	180		
FAYETTEVILLE FAA AP	106	8-4	-7	1-14	3-10	11	3-30	17	3-30	17	4-9	25	4-9	25	10-6	31	10-20	28	11-19	24	11-21	12	11-21	12	256	236	236	194	180		
FAYETTEVILLE EXP STA	104	8-4	-2	1-14	3-26	16	3-30	17	3-30	17	4-9	27	4-9	27	10-9	32	10-20	27	11-21	14	11-21	14	11-21	14	240	236	236	194	183		
GRAVETTE	107	8-4	-7	1-14	3-30	15	3-30	15	4-9	24	4-9	24	4-9	24	10-5	31	10-6	28	10-20	22	11-20	18	11-21	14	236	235	194	180	179		
HARRISON	106	8-4	-3	1-14	2-24	15	3-30	17	3-30	17	4-9	27	4-9	27	10-6	32	10-20	28	11-21	14	11-21	14	11-21	14	271	236	236	194	180		
HARRISON FAA AIRPORT	103	8-4	-4	12-18	2-22	14	3-30	18	3-30	18	4-9	30	4-9	30	10-9	32	11-19	28	11-20	22	11-21	12	11-21	12	273	236	235	203	183		
HUNTSVILLE	105	8-4	-4	12-18	3-30	15	3-31	17	3-31	17	4-10	27	4-10	27	10-5	32	10-6	28	10-20	23	11-21	13	11-21	13	236	235	203	179	178		
LEAD HILL	108	8-4	-4	1-14	3-30	15	3-30	15	3-30	15	4-9	27	4-9	27	10-6	32	10-20	28	11-21	14	11-21	14	11-21	14	236	236	236	194	180		
ROGERS	105	8-4	1	12-18	3-30	16	3-30	16	3-30	16	3-30	16	4-9	29	11-19	30	11-20	24	11-20	24	11-21	12	11-21	12	236	236	235	235	224		
SILAO SPRINGS	109	8-4	0	1-14	3-26	16	3-30	19	3-30	19	4-9	28	4-9	28	10-20	28	10-20	28	11-20	24	11-21	14	11-21	14	240	236	235	194	194		
<b>NORTH CENTRAL 02</b>																															
CALICO ROCK	107	8-4	2	1-14	3-30	16	3-30	16	3-30	16	4-9	23	4-10	32	10-6	30	10-10	28	11-20	20	11-20	20	11-21	16	236	235	235	184	179		
EVENING SHADE 1 NE	110	8-5	-	-	-	-	-	-	-	-	-	-	-	-	10-7	31	10-10	25	10-20	24	11-20	20	11-21	14	-	-	-	-	-		
GILBERT	109	8-4	-4	1-14	3-30	15	3-30	15	4-9	23	4-9	23	4-15	30	10-6	30	10-20	22	10-20	22	11-20	17	11-21	15	236	235	194	194	174		
GREER'S PERRY OAM	107	8-5	9	12-20	1-30	15	2-23	18	3-30	22	4-9	22	4-9	32	-	-	-	-	11-21	20	11-21	20	11-22	16	297	272	236	-	-		
MAMMOTH SPRING	107	8-4	-1	1-14	3-30	16	3-30	16	4-9	24	4-9	24	4-10	32	10-6	29	10-10	27	11-20	21	11-21	15	11-21	15	236	236	235	184	179		
MARSHALL	-	-	-	2-1-14	2-22	13	3-30	17	3-30	17	4-12	28	4-12	28	10-10	30	11-20	26	11-21	15	11-21	15	11-21	15	273	236	236	222	181		
MOUNTAIN HOME 1 NNW	106	8-5	3	12-19	2-22	16	3-30	18	3-31	22	4-9	22	4-9	30	10-20	31	11-20	24	11-21	14	11-21	14	11-21	14	273	236	236	244	184		
MOUNTAIN HOME C OF ENG	105	8-5	1	1-15	2-25	16	3-31	20	3-31	20	4-9	26	4-9	26	10-6	32	10-20	28	11-20	21	11-21	14	11-21	14	270	235	236	194	180		
MOUNTAIN VIEW 2 ESE	107	8-4	0	12-18	2-22	12	3-30	17	3-30	17	4-9	27	4-9	27	10-6	30	10-10	28	11-20	24	11-21	13	11-21	13	273	236	235	184	180		
YELLVILLE	108	8-4	-	-	NONE	-	NONE	-	NONE	-	NONE	-	NONE	-	10-6	28	10-6	28	10-10	24	10-20	20	11-21	14	-	-	-	-	-		
<b>NORTHEAST 03</b>																															
ALICIA	107	8-4	8	12-18	1-15	15	2-29	20	3-30	22	3-30	22	4-9	32	10-10	32	11-20	26	11-21	20	11-21	20	11-22	15	312	266	236	235	184		
BALD KNOB	107	8-4	10	12-18	1-15	13	2-22	20	3-30	23	3-30	23	3-30	23	10-10	32	11-20	27	11-21	22	11-22	17	12-18	10	338	274	236	235	194		
BATESVILLE LIVESTOCK	110	8-4	4	12-18	2-22	14	3-30	17	3-30	17	3-30	17	4-9	29	10-6	32	11-20	25	11-21	16	11-21	16	11-21	16	273	236	236	235	180		
BATESVILLE L AND O #1	109	8-3	1	1-14	2-24	15	3-30	17	3-30	17	4-9	27	4-9	27	10-6	32	10-20	28	11-20	23	11-21	20	11-22	11	272	236	235	194	180		
BEEDEVILLE	107	8-4	12	1-14	1-14	12	1-29	17	3-30	24	3-30	24	3-30	24	10-11	32	11-21	22	11-21	22	11-22	15	11-22	15	313	298	236	236	195		
BLYTEVILLE	103	8-4	9	12-18	1-14	12	3-30	20	3-30	20	3-30	20	4-9	31	11-20	27	11-20	27	11-21	21	11-22	16	11-22	16	313	237	236	235	225		
CORNING	104	8-4	6	12-18	1-29	15	2-24	20	3-30	21	3-30	21	4-9	32	10-10	31	11-20	26	11-21	17	11-21	17	11-22	13	298	271	236	235	184		
JONESBORO	107	8-4	8	12-18	1-14	14	2-29	20	3-30	23	3-30	23	3-30	23	11-20	29	11-21	20	11-21	20	11-21	20	11-30	15	321	297	236	236	235		
KEISER	102	8-4	9	12-18	1-14	10	2-22	20	3-30	22	3-30	22	4-9	32	10-10	32	11-21	21	11-21	21	11-22	16	11-22	16	313	274	236	236	184		
MARSH TREE	103	8-4	8	12-18	1-29	15	2-29	20	3-30	22	3-30	22	4-9	31	10-11	32	11-20	26	11-21	20	11-21	20	11-22	12	298	266	236	235	185		
NEWPORT	108	8-4	10	12-18	1-14	14	1-29	19	2-22	21	3-30	25	3-30	25	10-11	32	11-21	22	11-21	22	11-22	18	12-18	10	338	298	273	236	195		
PARAGOULD RADIO KORS	105	8-4	9	12-18	1-14	12	2-22	20	3-30	22	3-30	22	3-30	22	11-20	27	11-20	27	11-21	20	11-21	20	11-30	14	321	273	236	235	205		
POCANTONAS 1	104	8-4	5	12-18	3-30	12	3-31	18	3-31	18	4-9	27	4-9	27	10-6	30	11-20	23	11-20	23	11-21	18	11-22	11	237	235	234	225	180		
SEARCY	111	8-4	9	1-14	1-15	13	2-25	20	3-30	23	3-30	23	3-30	23	11-20	28	11-20	28	11-21	23	11-22	17	12-18	10	338	271	236	235	235		
WALNUT RIDGE FAA AP	105	8-4	7	12-18	1-14	11	2-22	20	3-30	21	3-30	21	3-30	21	11-19	32	11-20	28	11-21	19	11-21	19	11-22	16	313	273	236	235	234		
<b>WEST CENTRAL 04</b>																															
APPLETON	106	8-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BOONEVILLE	111	8-4	0	1-14	2-22	14	2-29	19	3-30	24	3-30	24	4-9	29	10-20	27	10-20	27	11-20	24	11-22	14	11-22	14	274	267	235	204	194		
CLARKSVILLE	109	8-4	4	1-14	2-22	15	2-24	19	3-30	22	3-30	22	4-9	31	10-20	29	11-20	25	11-21	21	11-22	15	11-22	15	274	272	236	235	194		
DARDANELLE	109	8-4	7	1-14	2-22	16	2-29	17	3-30	23	3-30	23	4-9	30	10-20	30	11-20	26	11-21	23	11-22	15	11-22	15	274	267	236	235	194		
DEVILS KNOB	101	8-4	0	12-18	3-30	13	3-30	13	3-30	13	3-30	13	4-9	32	11-19	28	11-19	28	11-20	22	11-30	9	11-30	9	245	445	235	234	224		
FORT SMITH WB AIRPORT	110	8-4																													

# TEMPERATURE EXTREMES AND FREEZE DATA

Station	Highest	Date	Lowest	Date	Last spring minimum of										First fall minimum of										Number of days between dates				
					16° or below		20° or below		24° or below		28° or below		32° or below		32° or below		28° or below		24° or below		20° or below		16° or below		16° or below	20° or below	24° or below	28° or below	32° or below
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.							
* * *																													
EAST CENTRAL	06																												
BRINKLEY	105	8-4	9	1-14	1-15	12	2-22	20	3-30	23	3-31	25	4-9	32	10-11	32	11-20	28	11-21	22	11-22	14	11-22	14	312	274	236	234	185
OES ARC	106	8-4	11	1-15	1-15	11	2-22	20	2-23	24	3-30	26	3-30	26	11-20	28	11-20	28	11-21	21	11-22	15	11-22	15	312	274	272	235	235
FORREST CITY	105	8-4	10	1-14	1-14	10	2-22	19	3-30	23	3-30	23	4-9	31	10-10	31	11-20	27	11-21	22	11-22	14	11-22	14	313	274	236	235	184
HELENA	103	8-5	13	12-18	1-15	15	2-22	20	2-23	23	3-30	28	3-31	29	11-20	29	11-21	25	11-22	16	11-22	16	11-22	16	312	274	273	236	234
KEO	105	8-4	12	12-18	1-15	16	1-29	18	2-23	24	3-30	25	3-30	25	11-20	29	11-21	25	11-22	16	11-22	16	11-22	16	312	298	273	236	235
MARIANNA 2 5	101	8-4	12	12-18	1-14	13	1-29	19	2-22	22	3-30	25	3-30	25	10-10	32	11-20	28	11-21	24	11-23	20	12-18	12	339	299	273	235	194
SAINT CHARLES	105	8-5	11	1-14	1-16	14	2-23	20	2-29	22	3-31	27	3-31	27	11-20	29	11-21	26	11-22	17	11-22	17	12-16	14	337	273	267	235	234
STUTTART	107	8-4	14	12-18	1-14	16	1-17	19	2-22	24	3-30	27	3-30	27	11-20	30	11-21	26	11-22	20	11-22	20	12-18	14	339	310	274	236	235
STUTTART 9 ESE	104	8-5	12	1-1	1-15	16	1-15	16	2-22	24	3-30	26	3-31	30	11-20	31	11-21	25	11-22	19	11-22	19	12-18	14	338	312	274	236	234
WEST MEMPHIS	103	8-4	11	12-19	1-14	15	1-29	19	3-30	23	3-30	23	3-30	23	11-20	29	11-21	24	11-21	24	11-22	18	12-18	11	339	298	236	236	235
WYNNE	103	8-4	-	-	-	-	2-26	20	2-26	20	3-30	27	4-9	32	10-10	31	11-20	28	11-21	21	11-22	14	11-22	14	-	270	269	235	184
* * *																													
SOUTHWEST	07																												
OE QUEEN	108	8-11	5	1-14	2-22	15	2-22	15	2-29	23	3-26	25	4-9	30	10-20	29	11-20	25	11-22	17	11-22	17	12-14	16	296	274	267	239	194
OIERKS	107	8-4	2	1-14	2-22	13	2-29	19	3-26	22	4-9	27	4-10	32	10-10	32	10-20	28	11-20	24	11-22	16	11-22	16	274	267	239	194	183
HOPE 3 NE	104	8-5	6	1-14	1-16	11	2-23	19	2-29	22	3-26	27	3-31	30	11-20	29	11-21	28	11-22	17	11-22	17	NONE	NONE	273	267	240	234	
MOUNT IOA	107	8-11	-	1-14	2-29	15	2-29	15	3-26	24	4-9	27	4-10	31	10-6	32	11-20	23	11-20	23	11-22	12	11-22	12	267	267	239	225	179
NARROWS OAM	108	8-5	3	1-14	2-23	14	2-29	19	3-26	23	4-9	28	4-10	32	10-20	29	11-20	25	11-22	18	11-22	18	12-14	11	295	267	241	225	193
NASHVILLE PEACH SUBSTA	107	8-5	4	1-14	2-22	15	2-23	19	3-26	23	3-30	25	4-9	30	10-20	32	11-20	25	11-21	23	11-22	15	11-22	15	274	273	240	235	194
OKAY	107	8-5	4	1-14	2-22	15	2-22	15	2-29	23	2-29	23	4-9	32	10-20	32	11-20	28	11-22	19	11-22	19	NONE	NONE	274	267	285	194	
STAMPS	104	8-5	7	1-14	1-15	15	2-22	17	2-23	24	3-27	25	4-9	32	11-20	29	11-21	28	11-22	19	11-22	19	NONE	NONE	274	273	239	225	
TEXARKANA WB AIRPORT	103	8-5	11	1-14	1-14	11	1-15	19	2-22	22	2-22	22	3-30	32	11-20	31	11-21	28	11-22	22	12-18	19	NONE	NONE	338	274	273	235	
* * *																													
SOUTH CENTRAL	08																												
ARKAOLPHIA	107	8-4	9	1-14	1-15	11	2-23	20	2-29	24	3-30	27	3-30	27	10-20	32	11-19	28	11-21	17	11-21	17	12-18	11	338	272	266	234	204
CAMOEN 1	105	8-4	8	1-14	1-15	10	2-23	20	2-29	23	2-29	23	3-30	29	11-20	31	11-22	17	11-22	17	11-22	17	NONE	NONE	273	267	267	235	
EL ODRAOD FAA AIRPORT	106	8-4	9	1-14	2-22	14	2-23	19	2-29	24	2-29	24	3-30	30	11-20	29	11-21	23	11-21	23	11-22	18	NONE	NONE	273	266	266	235	
FORDYCE 6 W	105	8-4	9	1-14	1-15	16	2-22	20	3-30	24	3-30	24	4-9	31	11-20	28	11-20	28	11-22	16	11-22	16	11-22	16	312	274	237	235	225
MAGNOLIA 3 N	105	8-4	7	1-14	2-22	15	2-22	15	2-29	22	3-26	27	3-30	29	10-20	32	11-20	28	11-22	15	11-22	15	11-22	15	274	274	267	239	204
MOROBAY LOCK AND OAM 8	107	8-5	6	1-14	2-22	14	2-23	18	2-29	22	3-1	26	3-30	29	10-11	31	11-22	18	11-22	18	11-22	18	NONE	NONE	273	267	466	195	
PRESCOTT	107	8-4	10	1-14	1-15	14	1-15	14	2-23	22	3-30	27	3-30	27	11-20	29	11-21	28	11-22	19	11-22	19	NONE	NONE	312	273	236	235	
SPARKMAN 3 W5W	-	-	3	1-14	2-8	16	2-23	20	2-28	21	2-29	25	4-9	32	10-20	30	11-20	28	11-22	14	11-22	14	11-22	14	288	273	268	265	194
WARREN	112	7-6	11	2-22	2-22	11	2-22	11	2-23	23	3-30	28	3-30	28	11-20	30	11-21	28	11-22	17	11-22	17	NONE	NONE	274	273	236	235	
* * *																													
SOUTHEAST	09																												
CROSSSETT 7 5	107	8-4	12	1-14	1-15	13	2-23	20	2-23	20	2-29	25	3-30	29	10-20	32	11-22	21	11-22	21	12-1	19	NONE	NONE	-	282	273	267	204
CUMMINS FARM	104	8-4	-	-	1-14	12	1-29	18	2-8	24	3-28	25	3-31	32	10-20	32	-	-	-	-	-	-	-	-	-	-	-	-	203
OUMAS	106	8-4	15	1-14	1-15	16	1-29	20	2-23	24	3-30	26	3-30	26	11-20	30	11-21	27	11-22	18	11-22	18	12-18	16	338	298	273	236	235
EUDORA	102	8-4	17	1-13	NONE	-	1-15	18	2-22	22	3-30	28	3-30	28	11-21	30	11-22	23	11-22	23	NONE	NONE	NONE	NONE	274	274	237	236	
MONTICELLO 3 5	104	8-4	7	1-14	2-22	14	2-22	14	2-23	21	3-22	27	4-9	30	10-20	30	11-21	27	11-22	16	11-22	16	11-22	16	274	274	273	244	194
PINE BLUFF	104	8-4	13	1-14	1-14	13	1-15	17	2-8	24	3-30	27	3-30	27	11-20	31	11-21	27	11-22	19	11-22	19	12-18	15	339	312	288	236	239
PINE BLUFF FAA AIRPORT	107	8-4	15	1-14	1-14	15	1-15	18	2-22	24	3-30	28	3-30	28	11-20	31	11-21	26	11-22	20	11-22	20	12-18	16	339	312	274	236	235
PORTLAND	103	8-5	13	1-15	1-15	13	2-23	20	2-24	21	3-31	28	3-31	28	11-21	28	11-21	28	11-22	19	11-22	19	NONE	NONE	273	272	235	235	
ROHMER 2 NNE	103	8-4	14	1-14	1-15	16	1-28	20	2-24	23	3-30	27	3-30	27	10-10	31	11-21	26	11-22	19	11-22	19	NONE	NONE	299	272	236	194	
STAR CITY 2 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STAR CITY 4 ENE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10-10	32	11-21	27	11-22	13	11-22	13	11-22	13	-	-	-	-	

# TOTAL EVAPORATION AND WIND MOVEMENT

ARKANSAS  
1964

Table 4

Station		Jan	Feb.	Mar	Apr	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	Annual
NORTH CENTRAL 02														
MOUNTAIN HOME C OF ENG	EVAP	-	-	-	B 5.72	5.80	6.29	6.72	5.80	4.41	3.54	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	1573	1608	855	671	469	440	348	390	780	-	-
	MAX MIN	- -	- -	- -	78.1 56.4	83.8 61.2	93.6 68.1	99.0 71.8	91.2 67.2	84.3 63.2	73.3 47.5	68.3 47.9	- -	- -
WEST CENTRAL 04														
RUSSELLVILLE 4 N	EVAP	-	B 2.72	B 4.30	B 6.67	B 6.33	B 6.89	B 7.89	B 6.30	B 4.64	3.15	B 1.79	1.29	-
	DEP	-	.54	.57	1.58	.10	-	.23	.87	.88	.65	.20	.02	-
	WIND	1304	1417	1500	1428	752	-	527	522	497	726	860	1099	-
	MAX MIN	- -	- -	66.3 42.7	78.1 56.4	88.1 64.4	-	94.8 74.0	90.4 71.7	91.8 71.2	79.4 55.4	69.8 51.7	53.9 43.2	- -
CENTRAL 05														
BLAKELY MOUNTAIN DAM	EVAP	-	B 1.95	B 3.21	B 4.58	5.86	6.03	7.20	B 5.69	B 4.31	3.39	B 1.84	B 1.12	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	977	1187	1334	1211	999	835	860	699	546	745	657	1040	11120
NIMROD DAM	EVAP	-	B 1.27	B 2.51	B 3.76	B 4.29	5.58	B 6.46	B 4.04	B 2.76	1.48	B .97	B .57	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	423	459	547	446	182	274	272	279	118	207	293	423	3923
EAST CENTRAL 06														
STUTTIGART 9 ESE	EVAP	B 2.21	B 2.53	B 5.10	B 6.03	8.03	9.46	8.69	7.06	6.02	4.19	B 2.47	B 1.57	63.36
	DEP	.92	.79	1.20	1.50	2.25	2.67	1.84	.52	1.01	.72	.37	.27	14.66
	WIND	2446	2389	3263	2842	2032	1929	1094	1218	1013	1080	1398	2263	22967
	MAX MIN	- -	- -	69.4 44.5	76.1 56.6	90.1 64.2	93.8 70.3	100.7 73.1	95.4 72.7	89.4 65.4	74.9 49.6	69.8 51.0	- -	- -
SOUTHWEST 07														
HOPE 3 NE	EVAP	B 2.41	2.60	B 3.77	B 5.70	6.27	6.80	7.88	6.86	B 5.72	3.89	2.40	B 2.02	56.32
	DEP	.13	.04	.55	.34	.03	.11	.19	.46	.05	.62	.30	.09	1.33
	WIND	-	B 1230	1294	-	883	893	667	688	396	590	750	1463	-
NARROWS OAM	EVAP	-	B 2.23	B 3.21	B 5.21	5.82	6.02	7.69	B 6.46	B 4.30	3.66	B 1.85	B 1.63	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	1000	1293	1320	784	646	639	617	351	542	708	977	-
	MAX MIN	- -	- -	66.8 43.2	75.2 55.5	86.8 64.3	91.0 68.4	94.4 72.4	91.6 72.4	86.0 63.4	74.8 50.2	68.5 49.1	- -	- -
SOUTH CENTRAL 08														
WARREN	EVAP	B 2.81	2.42	4.73	B 5.40	6.26	7.57	8.08	6.85	B 4.96	3.19	2.37	B 1.60	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	488	-	-	-	635	622	-	683	443	427	611	1219	-
	MAX MIN	- -	63.4 33.6	74.5 40.7	83.0 55.1	91.6 65.4	97.5 69.8	100.6 72.5	97.5 71.2	89.9 65.3	75.5 49.9	71.9 47.5	- -	- -

## SOIL TEMPERATURES

Station and Depth	January		February		March		April		May		June		July		August		September		October		November		December		Annual			
	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes	Average	Extremes		
WARREN																												
4 INCHES	44.6	59/35	48.3	56/41	58.5	69/44	68.7	78/52	78.2	90/68	85.8	99/69	90.9	103/74	88.6	103/71	77.6	104/51	67.4	80/59	59.5	78/47	51.2	61/43	68.3	104/35		

MONTHLY AVERAGES ARE OBTAINED BY TAKING THE AVERAGE OF DAILY MAX AND MIN VALUES.  
SLOPE OF GROUND: LEVEL AT STATION, GENTLY ROLLING VICINITY. SOIL TYPE: SANDY LOAM. GROUND COVER: GRASS. INSTRUMENTATION: PALMER SOIL THERMOMETERS.

# STATION INDEX

ARKANSAS  
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Station	Index No.	Division No.	County	Drainage†	Latitude	Longitude	Elevation	Years of record		Opened or closed during yr.		Refer to tables	Station	Index No.	Division No.	County	Drainage†	Latitude	Longitude	Elevation	Years of record		Opened or closed during yr.		Refer to tables				
								Temp.	Evap.	Month opened	Month closed										Temp.	Evap.	Month opened	Month closed					
ABBOTT	0006	04	SCOTT	1	35 04	94 12	624	23				2	KEISER	3821	03	MISSISSIPPI	1	35 41	90 05	232	5	5		1	2	3	C		
ALICIA	0064	03	LAWRENCE	1	35 54	91 05	256	2	3			1	KINGSLAND 3 SSE	3904	08	CLEVELAND	1	33 50	92 16	234	16	16					C		
ALUM FORK	0130	05	SALINE	1	33 47	92 18	200	27	27			1	LAKE CITY	3998	03	CRAIGHEAD	1	33 49	90 26	230			24				2		
ALY	0136	04	YELL	1	34 47	93 29	854	22				1	LAF MAUMELLE	4210	05	PULASKI	1	34 51	92 28	305			8				2		
AMITY 3 NE	0150	08	CLARK	1	34 17	93 25	475	16				1	LANGLEY	4060	07	PIKE	1	34 31	93 51	796			20				2		
ANDREW	0178	07	PIKE	1	34 02	93 28	285	22				1	LEAD HILL	4106	01	ROONE	1	34 25	92 55	810	58	58					1		
APLIN 1 W	0188	05	PERRY	1	34 58	93 00	400	20				1	LEES FERRY	4100	01	GRANT	1	34 25	92 55	263			21				1		
APPLETON	0194	04	POPE	1	35 25	92 53	522	1				1	LITTLE ROCK NR AIRPORT	4248	05	PULASKI	1	34 46	92 14	512			16				1		
ARCADIA	0220	03	CLARK	1	34 07	93 20	68	68				1	LITTLE ROCK FLY PLANT	4250	05	PULASKI	1	34 46	92 19	512			16				1		
ARKANSAS CITY	0234	09	DESHA	1	32 37	91 12	145	74				1	LURTON	4386	01	NEWTON	1	35 06	93 05	2007			22					2	
ARKANSAS POST	0240	06	ARKANSAS	1	34 02	91 21	178	2				1	HADISON	4528	06	ST FRANCIS	1	35 00	90 43	215			33					2	
ATHENS	0300	07	HOWARD	1	34 19	93 58	960	16				1	MAGNOLIA 3 N	4548	08	COLUMBIA	1	33 35	91 48	315			47					1	
AUGUSTA	0326	06	WOODRUFF	1	35 18	91 22	218	29				1	MAGNOLIA 5 N	4550	08	COLUMBIA	1	33 20	93 13	360								C	
BAIRD KNOB	0350	03	WHITE	1	35 18	91 34	230	16				1	MALVERN	4562	05	HOT SPRING	1	34 23	92 49	311	16							1	
BATESVILLE LIVESTOCK	0458	03	INDEPENDENCE	1	35 49	91 47	571	23	23			1	MAMMOTH SPRING	4572	02	FULTON	1	36 29	91 32	490	59	59						1	
BATESVILLE L AND D 1	0460	03	INDEPENDENCE	1	35 45	91 47	571	23	23			1	MARIANNA 2 S	4538	06	LEE	1	34 44	90 46	234	52	52					1		
BATESVILLE L AND D 2	0462	03	INDEPENDENCE	1	35 45	91 47	571	23	23			1	MARFEO TREE	4654	03	POINSETT	1	35 32	90 25	229	59	59						1	
BEAVER DAM	0524	01	CARROLL	1	36 25	93 42	1136	3	3			1	MARSHALL	4668	01	SEARCY	1	35 54	92 38	1050	45	45						1	
BEER	0530	03	WHITE	1	35 04	91 53	250					1	MAUMEE	4696	02	SEARCY	1	36 03	92 39	749								C	
BEFCR GROVE	0534	03	GREENE	1	36 09	90 38	294	2	2			1	MELBOURNE 5 NW	4746	02	IZARD	1	37 05	91 59	600								2	
BEDEVILLE	0536	03	JACKSON	1	35 26	91 06	221	2	2			1	MENA	4756	04	POLK	1	34 35	94 15	1207	75	75						1	
BENTON	0582	05	SALINE	1	34 33	92 37	285	35	35			1	MILLWOOD DAM	4839	07	LITTLE RIVER	1	33 41	93 58	316								1	
BENTONVILLE	0586	01	BENTON	1	36 22	94 13	1295	58	58			1	MONTICELLO 3 S	4900	09	GREW	1	33 35	91 48	285	23	23						1	
BERRYVILLE 4 NW	0616	01	CARROLL	1	36 26	93 37	1150	9				1	MONTROSE	4906	09	ASHLEY	1	33 19	91 29	125								C	
BIG FORK	0644	04	POLK	1	34 29	93 58	1100	20				1	MOPOBLY LOCK AND DAM 8	4934	08	CALHOUN	1	33 19	92 27	85	3	24						1	
BLACK ROCK	0746	03	LAWRENCE	1	36 07	91 06	259	62				1	MOUNT IGA	4988	07	MONTGOMERY	1	34 33	93 38	663	64	64						1	
BLAKELY MOUNTAIN DAM	0764	05	GARLAND	1	36 36	93 11	426	8	14	14		1	MOUNT MAGAZINE	5010	04	LOGAN	1	35 10	93 41	2800	16	16						1	
BLISSVILLE	0768	04	YELL	1	35 06	93 39	426	3	3			1	MOUNTAIN HOME 1 NW	5036	02	BAXTER	1	36 20	92 23	800	51	51						1	
BLUFF CITY 3 SW	0800	08	NEVADA	1	33 41	93 09	360	16				1	MOUNTAIN HOME C OF ENG	5038	02	BAXTER	1	36 20	92 23	800	12	12						1	
BLUTHVILLE	0806	03	MISSISSIPPI	1	35 55	89 55	252	38	38			1	MOUNTAIN HOME 2 ESE	5038	02	BAXTER	1	35 51	92 02	800	12	12						1	
BOONEVILLE 1 NE	0825	04	LOGAN	1	35 12	93 59	600					1	MULBERRY 6 NNE	5072	04	FRANKLIN	1	35 34	94 01	500	24							1	
BOONEVILLE 2 NNE	0826	04	LOGAN	1	35 13	93 50	730					1	NARROWS DAM	5110	07	PIKE	1	33 09	93 43	425	14	14						1	
BOONEVILLE 3 NNE	0827	04	LOGAN	1	35 13	93 54	740					1	NASHVILLE PEACH SURSTA	5112	07	HOWARD	1	33 38	94 32	550	25	25						1	
BOONEVILLE	0830	04	LOGAN	1	35 09	93 55	511	11	23			1	NASHVILLE SCS	5114	07	HOWARD	1	33 37	93 51	373								C	
BOYKINBURG 2 S	0842	02	VAN BUREN	1	35 39	92 28	1200					1	NATHAN A WNW	5158	07	HOWARD	1	34 01	93 52	550	16							2	
BOYKINBURG 3 S	0843	08	NEVADA	1	35 39	92 28	1200			29		1	NATHAN B WNW	5159	07	HOWARD	1	34 01	93 52	550	16							2	
BRANCH 4 NW	0887	04	FRANKLIN	1	35 21	94 00	470					1	NEMOPE 3 E	5174	07	PIKE	1	33 14	93 50	850	24							1	
BRANCH 3 SW	0888	04	FRANKLIN	1	35 16	93 59	500					1	NEWPORT	5186	03	JACKSON	1	35 36	91 17	225	80	80							2
BRIDGEVILLE	0936	06	HONORE	1	36 45	91 12	216	73	73			1	NIMROD DAM	5200	05	PERRY	1	34 57	93 10	480	22	22						1	
BUFFALO TOWER	1010	01	NEWTON	1	35 52	93 30	2578	16				1	NOBPOFF DAM	5228	02	BAXTER	1	36 15	92 15	425								1	
BULL SHOALS DAM	1020	02	BAXTER	1	36 22	92 34	480					1	ODD L 3	5394	03	WASHINGTON	1	35 48	94 24	1800	47	47						1	
BURDETTE	1052	03	MISSISSIPPI	1	35 49	89 57	240	20				1	ODEN 2 W	5358	07	MONTGOMERY	1	33 48	93 48	800	36							1	
CABOT 4 SW	1102	06	PULASKI	1	34 57	92 06	289	20				1	OKAY	5316	07	HOWARD	1	33 46	93 55	300	35	35						1	
CADDO ROCK	1132	02	IZARD	1	35 02	92 08	27	59				1	OSCEOLA	5480	03	MISSISSIPPI	1	35 43	89 59	243	63							2	
CAHOEN 1	1152	08	OUACHITA	1	33 36	92 49	116	74				1	OWENSVILLE	5498	05	SALINE	1	34 37	92 49	500	20							1	
CAMDEN 2	1154	08	OUACHITA	1	33 33	92 51	155					1	OWEN	5508	04	FRANKLIN	1	35 29	93 50	396	68	68						1	
CARLENE 1 SW	1224	06	LONDRY	1	34 47	91 45	235	24				1	PARAGOULD	5514	04	JOHNSON	1	35 38	93 27	1000	9							1	
CARPENTER DAM	1238	05	GARLAND	1	33 42	93 01	105					1	PARAGOULD RAOTI KORS	5562	03	GREENE	1	35 36	90 29	276	40	40						1	
CLARENDON	1442	06	HONORE	1	34 41	91 18	172	60				1	PARIS	5576	04	LOGAN	1	35 18	93 43	410	16							1	
CLARKSVILLE	1455	04	JOHNSON	1	34 53	93 28	816	11	11			1	PARIS 4 WSW	5577	04	LOGAN	1	35 16	93 48	775								1	
CLARKSVILLE 6 NNE	1457	04	JOHNSON	1	35 32	93 25	840					1	PARKIN 2 W	5586	06	CROSS	1	35 16	93 58	222	33							C	
CLINTON	1492	02	VAN BUREN	1	35 35	92 28	510	42																					

REFERENCE NOTES

Additional information regarding the climate of Arkansas may be obtained by writing to the Weather Bureau State Climatologist at Weather Bureau Airport Station, Adams Field, Little Rock, Arkansas 72202, or to any Weather Bureau Office near you.

DIMENSIONAL UNITS. Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles.

EVAPORATION is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the Evaporation and Wind table. Max and Min in Evaporation and Wind table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

NORMALS for all stations are climatological normals based on the period 1931-1960. "DEP" in Table 4 refers to departures from long-term means based on periods varying from 10 to 29 years which are used in place of normals.

DIVISIONS, as used in this publication, became effective with data for January 1957.

STATION NAMES: Figures and letters following the station name, such as 12SSW, indicate distance in miles and direction from the post office.

DELAYED DATA AND CORRECTIONS will be carried in the June and December issues of Climatological Data.

IN THE DATA TABLES THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- No record.
- + Also on earlier date (dates) or months.
- \* Amount included in following measurement.
- // Gage is equipped with a windshield.
- B Adjusted to a full month.
- E Amount is wholly or partially estimated.
- M One or more days record missing; if average value is entered, less than 10 days record is missing. See monthly Climatological Data for detailed daily record.
- R Amounts from recording gage. (The amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- T Trace, an amount too small to measure.
- V Includes total for previous month. V in annual column means total is for a two-year period.

IN THE STATION INDEX THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- # Thermometers are generally exposed in a shelter located a few feet above sod covered ground. however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
  - C Data for recording rain gage stations processed for special purposes and published in Hourly Precipitation Data. Length of record for recorder-only stations may be found in the annual issue of Hourly Precipitation Data.
  - G Soil temperatures published.
- Years of record as shown in the Station Index are approximate since gaps in records may not have been considered in arriving at the totals shown.

Information concerning the history of changes in location, elevations, exposures, etc., of substations through 1955 may be found in the publication "Substation History" for this State. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402, for 45 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

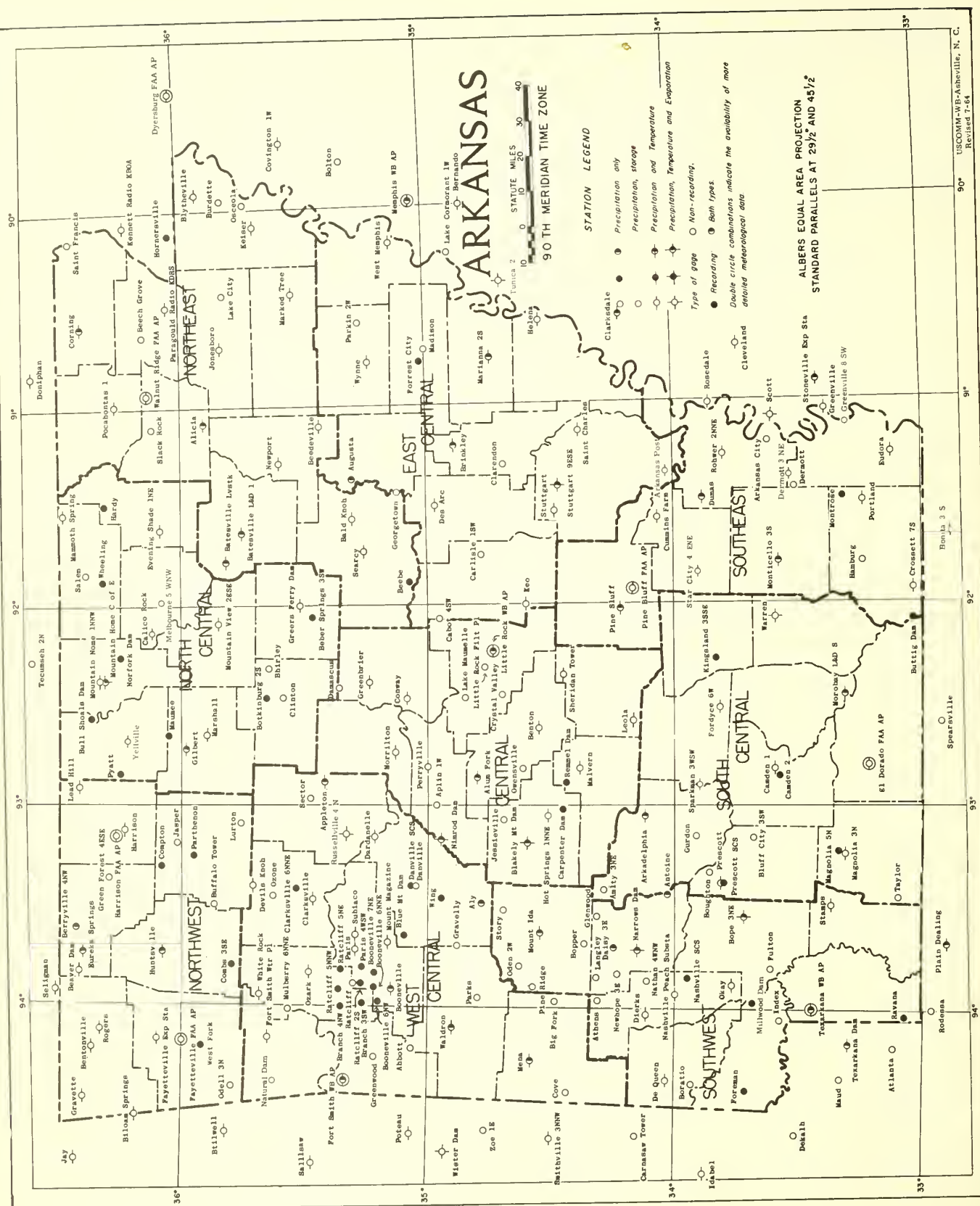
CHANGES IN STATION NAME

NEW NAME	FORMER NAME	DATE - 1964
HELENA 5 NW	HELENA	NOVEMBER 1
MELBOURNE 3 WNW	MELBOURNE	JANUARY 1
MELBOURNE 5 WNW	MELBOURNE 3 WNW	JUNE 1
PERRY	PERRYVILLE	SEPTEMBER 4
RAVANA	RAVANA 1 NE	MARCH 17
RUSSELVILLE 4 N	RUSSELVILLE	JANUARY 1
WEST FORK 1 W	WEST FORK	MAY 1
WEST FORK	WEST FORK 1 W	SEPTEMBER 1

RELOCATION AND CHANGES OF EQUIPMENT

ANTOINE	EQUIPMENT MOVED 100 FEET E	FEBRUARY 5
APPLETON	EQUIPMENT MOVED 60D FEET E	FEBRUARY 18
BEEBE	RECORDING RAIN GAGE MOVED 0.3 MILE ESE	JULY 6
BLYTHEVILLE	EQUIPMENT MOVED 1.2 MILE SSW	JANUARY 1
CONWAY	EQUIPMENT MOVED 30D FEET W	JANUARY 24
EVENING SHADE 1 NE	TEMPERATURE EQUIPMENT INSTALLED	APRIL 29
GURDON	STANDARD RAIN GAGE MOVED 10D FEET SW	SEPTEMBER 18
HAMBURG	EQUIPMENT MOVED 10DD FEET ESE	MARCH 4
HELENA 5 NW	EQUIPMENT MOVED 5.0 MILES NW	NOVEMBER 1
HOPPER	STANDARD RAIN GAGE MOVED 0.5 MILE E	OCTOBER 5
MELBOURNE 3 WNW	EQUIPMENT MOVED 2.4 MILES WNW	JANUARY 1
MELBOURNE 5 WNW	EQUIPMENT MOVED 2.0 MILES WNW	JUNE 1
PERRY	EQUIPMENT MOVED 5.0 MILES N	SEPTEMBER 4
PRESCOTT SCS	RECORDING RAIN GAGE MOVED 0.2 MILE W	JULY 23
PYATT	RECORDING RAIN GAGE MOVED 0.6 MILE N	APRIL 1
PYATT	RECORDING RAIN GAGE MOVED 12DD FEET SW	APRIL 13
RAVANA	RECORDING RAIN GAGE MOVED 1.0 MILE SW	MARCH 17
RUSSELVILLE 4 N	EQUIPMENT MOVED 3.8 MILES N	JANUARY 1
ST FRANCIS	EQUIPMENT MOVED 0.2 MILE NW	JANUARY 1
STAR CITY 2 S	TEMPERATURE EQUIPMENT INSTALLED	MARCH 3
WEST FORK 1 W	RECORDING RAIN GAGE MOVED 1.0 MILE W	MAY 1
WEST FORK	RECORDING RAIN GAGE MOVED 1.0 MILE E	SEPTEMBER 1

USCOMM-WB-Asheville, N. C. -4/28/65-1050



# ARKANSAS

STATUTE MILES  
0 10 20 30 40

90 TH MERIDIAN TIME ZONE

### STATION LEGEND

- Precipitation only
  - Precipitation, storage
  - Precipitation and Temperature
  - Precipitation, Temperature and Evaporation
  - Type of gage
  - Recording
  - Both types
  - Non-recording.
- Double circle combinations indicate the availability of more detailed meteorological data

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLELS AT 29 1/2° AND 45 1/2°













