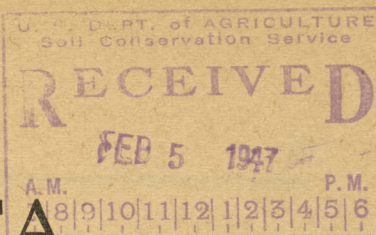


CLIMATOLOGICAL DATA



25

NEW MEXICO SECTION

A. R. LONG

Subscription Price
Twenty-five cents per annum. Payment should be made directly to Superintendent of Documents, Washington, D. C., by Check or Money Order, (not in stamps).

VOL. L ALBUQUERQUE, N. MEX., NOVEMBER, 1946 No. 11

GENERAL SUMMARY

The most noteworthy feature of the month's weather was the unusually heavy snowstorm which occurred between November 2d and 6th, and blanketed much of the northern half of the State with from 6 to 36 inches of snow. At many stations this was the heaviest snowfall of record for November.

The forerunner of this unprecedented storm was the appearance of a deepening high-level anti-cyclone over British Columbia on October 31st. This high-level low moved southeastward and by November 2d was centered over northwestern New Mexico and was accompanied by a southeasterly flow of air over the eastern part of the State. This cold low pressure area aloft remained almost stationary until the 5th, and the extreme instability caused by the exceptionally low temperatures at higher levels, together with the easterly up-slope flow of air over the mountains of northern New Mexico, caused almost continuous snow. Total falls of almost three feet on the level were reported from elevated stations on the eastern slopes in

PERCENTAGE OF NORMAL PRECIPITATION

DIVISIONS	Nov. 1946	Jan. 1 1946 to Nov. 30 1946	Oct. 1 1946 to Nov. 30 1946
Canadian and Northeast.....	225	100	179
Pecos and Southeast.....	122	96	151
Northern Rio Grande.....	192	92	150
Southern Rio Grande.....	141	89	112
Gila and Southwest.....	59	79	66
San Juan and Northwest.....	164	86	109
STATE.....	141	94	137

RESERVOIR STORAGE DATA (acre feet)

Reservoirs	Maximum Capacity	Nov. 30, 1946	Oct. 31, 1946	Nov. 30, 1945
<i>Canadian River</i>				
Conchas Dam.....	400,000	372,018	371,343	323,931
<i>Pecos River</i>				
Alamogordo Dam*.....	148,000	32,898	28,990	11,100
McMillan Dam*.....	37,500	11,360	14,900	1,300
Avalon Dam*.....	6,000	5,780	5,780	5,345
Red Bluff Dam† (Texas).....	300,000	56,200	43,650	42,920
<i>Rio Grande Drainage</i>				
El Vado Dam‡ (Rio Chama).....	198,000	64,169	102,003	88,768
Caballo Dam*.....	346,000	156,900	114,000	114,490
Elephant Butte Dam*.....	2,219,000	544,300	570,700	1,167,700
Bluewater-Toltec Dam§.....	50,300	2,100	2,000	none

Data furnished by following agencies: § U. S. Engineers; * U. S. Reclamation Service; † Red Bluff Dam Water Power Control District; ‡ Middle Rio Grande Conservancy District; § Bluewater-Toltec Irrigation District.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	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
Light Fog.....	1	1	3	5	2	3	1	1	2	1	1	8	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Heavy Fog.....	1	1	3	5	2	3	1	1	2	1	1	8	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Duststorms.....	1	1	3	5	2	3	1	1	2	1	1	8	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Hail.....	1	1	3	5	2	3	1	1	2	1	1	8	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Thunderstorms.....	1	1	3	5	2	3	1	1	2	1	1	8	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Killing Frost.....	1	1	3	5	2	3	1	1	2	1	1	8	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
High Winds.....	1	1	3	5	2	3	1	1	2	1	1	8	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

PRESSURE, WIND, SUNSHINE AND DEGREE DAYS

Stations	Atmospheric pressure (Sea-level pressure, extremes—inches)				Wind (true velocities)				Pct. of sunshine based on 65°
	Highest	Date	Lowest	Date	Ave. hourly velocity	Max. velocity	Direction	Date	
Agricultural College.....	30.43	17	29.47	2	4.0	29	sw.	8	..
Albuquerque Airport.....	30.54	17	29.42	2	8.5	35	se.	30	64
Roswell.....	30.51	17	29.44	2	6.8	25	ne.	30	67
Amarillo, Texas Airport.....	30.51	17	29.44	2	15.2	52	sw.	15	73
El Paso, Texas.....	30.41	17	29.42	2	10.0	34	nw.	2	86

RELATIVE HUMIDITY (Percent)
(105th Meridian Time)

Stations	5:30 a. m.	11:30 a. m.	5:30 p. m.	11:30 p. m.	Stations	5:30 a. m.	11:30 a. m.	5:30 p. m.	11:30 p. m.
Agricultural College*.....	73	..	45	..	Las Vegas Airport.....	72	51	64	72
Albuquerque Airport.....	74	52	47	65	Mogollon.....	80	45	61	89
Anton Chico Airport.....	70	46	56	69	Raton Airport.....	79	55	64	78
Carrizozo.....	61	42	47	58	Rodeo Airport.....	63	37	34	55
Clayton.....	76	54	68	78	Roswell.....	74	46	40	64
Crownpoint.....	74	52	64	71	Santa Fe Airport.....	86	58	69	80
El Morro Airport.....	85	61	64	81	Socorro Airport.....	70	45	45	63
El Paso, Texas Airport.....	57	37	30	48	Tucumcari Airport.....	77	51	60	71
Engle Airport.....	..	..	..	..	Wink, Texas Airport.....	69	36	42	61
Farmington.....	85	54	60	78					

* For 6:30 a. m. and 4:00 p. m., 105th Meridian Time.

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation							Number of days				
	Mean	Highest	Lowest	Average	Canadi- an & NE	Pecos & SE	North- ero Rio Grande	Gila & SW	SanJuan & NW	Average snowfall	With .01 or more	Clear	Partly cloudy	Cloudy	
1892.....	42.5	86	0	0.42	..	..	..	..	..	T.	2	22	5	3	
1893.....	40.5	76	-3	0.17	..	..	..	..	..	T.	1	24	4	1	
1894.....	46.0	83	7	0.01	..	..	..	..	..	T.	0	26	3	1	
1895.....	39.9	80	-5	1.22	..	..	..	..	..	5.0	6	18	7	5	
1896.....	42.2	87	-19	0.22	..	..	..	..	..	1.2	1	23	5	2	
1897.....	46.5	87	-5	0.06	..	..	..	..	..	0.2	1	23	5	2	
1898.....	40.3	85	-12	0.65	..	..	..	..	..	4.5	2	22	5	3	
1899.....	39.7	82	5	0.78	..	..	..	..	..	1.6	3	20	5	5	
1900.....	44.7	89	6	0.44	..	..	..	..	..	1.0	2	21	5	4	
1901.....	46.4	86	11	1.37	..	..	..	..	..	0.8	2	21	5	5	
1902.....	42.6	93	2	0.75	..	..	..	..	..	1.7	3	18	7	5	
1903.....	45.2	90	-2	T.	..	..	..	..	..	T.	0	26	2	2	
1904.....	43.1	86	-6	0.20	..	..	..	..	..	1.1	1	24	5	1	
1905.....	44.0	80	-6	3.05	..	..	..	..	..	3.1	7	14	6	10	
1906.....	40.9	86	-12	1.38	..	..	..	..	..	7.9	5	15	6	9	
1907.....	40.5	80	-9	0.82	..	..	..	..	..	2.4	3	19	6	5	
1908.....	41.1	82	-12	0.85	..	..	..	..	..	6.3	3	18	7	5	
1909.....	45.2	87	-8	0.57	..	0.27	0.79	0.06	0.20	4.9	3	19	6	4	
1910.....	45.8	88	4	0.52	0.23	0.50	0.84	0.69	0.83	1.9	20	6	4	5	
1911.....	38.9	83	-23	0.39	0.42	0.34	1.59	0.06	0.33	4.1	3	19	7	4	
1912.....	40.8	87	-6	0.18	0.06	0.19	0.31	0.22	0.16	1.1	1	23	5	2	
1913.....	46.1	88	2	1.39	1.03	1.20	1.58	2.66	1.47	2.6	5	15	9	6	
1914.....	44.9	85	0	0.31	0.01	0.48	0.01	0.75	0.04	0.1	1	22	6	2	
1915.....	43.5	91	-14	0.21	0.11	0.10	0.54	0.34	0.33	1.0	1	23	5	2	
1916.....	41.3	92	-8	0.13	0.15	0.31	0.08	0.12	0.07	2.1	1	25	3	2	
1917.....	45.6	90	0	0.29	0.65	0.34	0.10	0.00	T.	0.2	1	23	5	2	
1918.....	38.4	91	-18	1.18	0.71	1.26	1.28	1.71	0.95	11.4	5	17	6	7	
1919.....	41.7	84	-9	1.05	0.76	0.96	1.20	1.93	0.68	5.2	5	18	5	7	
1920.....	41.4	82	-3	0.24	0.18	0.28	0.86	0.25	0.24	0.9	2	19	6	5	
1921.....	45.2	90	-2	0.13	0.02	0.06	0.12	0.53	0.16	0.3	1	24	4	2	
1922.....	40.2	82	-2	1.08	0.99	0.74	1.46	1.20	1.90	6.7	5	18	6	6	
1923.....	42.1	80	-12	1.50	1.46	1.54	1.17	1.81	1.22	5.8	4	18	7	5	
1924.....	45.2	89	-5	0.35	0.18	0.23	0.43	0.09	0.40	0.6	1	24	5	1	
1925.....	40.9	85	-15	0.32	0.42	0.14	0.75	0.13	0.54	2.8	2	21	5	4	
1926.....	43.9	83	-1	0.17	0.09	0.15	0.25	0.18	0.53	0.8	1	21	7	2	
1927.....	47.6	91	-7	0.11	0.05	0.02	0.23	0.14	0.55	0.3	1	20	7	3	
1928.....	40.2	80	-20	1.08	1.66	0.82	0.94	0.86	1.55	5.6	5	16	7	7	
1929.....	36.1	80	-18	0.76	0.97	0.83	0.85	0.37	0.25	6.4	3	19	6	5	
1930.....	40.0	78	-14	0.93	0.78	0.84	0.94	1.35	1.26	6.2	4	18	7	5	
1931.....	40.9	88	-36	1.26	0.44	1.05	2.74	1.18	3.38	9.6	6	15	8	7	
1932.....	42.9	90	-3	0.01	0.04	0.01	0.01	0.00	T.	0.1	0	24	4	2	
1933.....	44.6	88	-4	0.65	0.51	0.55	1.08	0.61	1.06	2.6	3	22	5	3	
1934.....	43.3	93	-27	0.81	0.73	1.05	1.03	0.57	0.66	3.8	4	17	8	5	
1935.....	41.5	90	-12	1.05	0.84	1.23	1.06	1.09	0.96	2.9	3	18	7	5	
1936.....	40.7	83	-13	0.47	0.05	0.39	0.32	1.36	0.53	0.9	2	21	5	4	
1937.....	42.8	88	-3	0.11	0.12	0.07	0.24	0.13	0.06	0.4	1	20	7	3	
1938.....	38.4	88	-26	0.27	0.24	0.23	0.61	0.08	0.32	2.5	1	23	5	2	
1939.....	41.9	89	-4	0.62	0.41	0.51	0.73	0.97	0.71	1.5	3	18	5	7	
1940.....	39.9	82	-10	1.70	2.71	1.24	1.83	1.74	1.09	10.4	5	14	7	9	
1941.....	43.5	84	-12	0.39	0.05	0.40	0.61	0.64	0.54	1.2	2	21	6	3	
1942.....	45.9	89	-5	0.02	0.01	T.	0.07	0.00	0.07	0.2	0	21	7	2	
1943.....	41.3	88	-22	0.46	0.50	0.63	0.53	0.21	0.20	2.7	2	21	5	4	
1944.....	41.5	87	-16	0.96	0.84	0.82	1.08	1.27	0.85	2.9	5	14	9	7	
1945.....	43.2	89	-10	0.02	0.02	T.	0.06	T.	0.04	0.2	0	22	6	2	
1946.....	40.0	85	-12	0.93	1.25	0.70	1.46	0.53	1.00	9.1	4	16	7	7	
Period	42.4	93	-36	0.64	0.55	0.54	0.77	0.68	0.66	2.9	3	20	6	4	

Climatological Data for November, 1946

Stations	Counties	Elevation, feet	Temperature, in degrees Fahrenheit							Precipitation, in inches					Number of days				Prevailing direction of wind	Observers	
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 in. or more	Clear	Partly cloudy			Cloudy
Canadian and Northeast																					
Abbott	Harding	5,771							37	0.74	+0.27	0.64	5	13.0	2	19	5	6	s.	Mrs. C. L. Wood	
Amistad	Union	4,500	12	43.3	-0.8	75	1†	21	10	21	1.20	+0.71	0.75	5	17.4	4	17	9	4	sw.	Edward Brams
Aurora	Colfax	4,200	37	1.87	+1.14	1.12	2-3	18.0	7	17	8	5	nw.	Bernny Valdez							
Bell Ranch	San Miguel	4,500	41	44.5	-0.8	75	24†	17	7	47	0.90	+0.30	0.70	4	8.0	2	21	5	4	se.	Red River Valley Co.
Black Lake	Colfax	8,348	37	1.45	+0.90	0.40	2	26.0	7	11	14	5	.....	Mrs. V. M. Martinez							
Bueyeros	Harding	5,000	19	33.7	-2.1	66	29	.....	10	20	1.25	+0.68	1.07	5	14.0	2	12	13	5	sw.	A. C. Beller
Capulin	Union	6,680	37	1.15	+0.39	0.80	2	15.0	2	15.0	2	15.0	2	15.0	2	15.0	2	15.0	2	15.0	C. J. Leierer
Chacon	Mora	8,510	40	37.4	-3.2	68	23	12	10	42	1.36	+0.84	1.03	2-3	17.0	3	20	4	6	w.	Ricardo Duran
Cimarron	Colfax	6,427	40	37.4	-3.2	68	23	12	10	1	1.51	+0.99	1.20	3	16.5	4	10	5	1	sw.	F. H. Alpers
Cimarron, 9½ mi. SE.	do	6,200	20	40.0	-2.2	74	22	12	10	20	1.70	+1.30	1.00	3	16.5	4	10	5	1	sw.	Neal Hanson
Clayton, 9 mi. SE.	Union	4,900	20	40.0	-2.2	74	22	12	10	20	1.70	+1.30	1.00	3	16.5	4	10	5	1	sw.	Jim McKay
Clayton Airport, 1½ mi. E.	do	5,049	40	40.0	-3.3	75	23	18	10†	41	1.17	+0.62	0.64	5-6	12.0	4	13	9	8	sw.	Airway Observer
Cochas Dam	San Miguel	4,244	9	45.6	.....	75	29	24	10	9	1.19	.....	0.74	5-6	10.5	5	17	7	6	.....	U. S. Engineer Office
Cuervo	Guadalupe	4,849	36	.....	.....	.....	.....	.....	.....	36	0.60	+0.15	.....	.....	8.0	3	11	16	3	.....	Felix Sierra
Dawson	Colfax	6,396	33	40.8	+0.4	70	19	14	11	37	0.60	+0.15	.....	.....	8.0	3	11	16	3	.....	Agt. So. Pac. R. R.
Des Moines	Union	6,622	30	32.4	-6.8	68	29	3	9	30	1.94	+1.25	0.90	4	26.0	5	.....	.....	.....	.....	Howard Rope
Eagle Nest	Colfax	8,250	17	25.0	-5.8	60	24	-12	19	17	1.77	+0.94	.....	.....	39.0	7	.....	.....	.....	.....	Thomas M. McFadden
Elizabethtown	do	8,465	38	26.4	-2.8	57	29	-6	16	41	1.05	+0.32	0.59	2-3	26.5	5	13	4	13	w.	Oscar J. Hammond
Endee, 6½ mi. SSE	Quay	4,100	.....	.....	.....	.....	.....	.....	.....	5	1.12	.....	0.44	6	1.5	5	.....	.....	.....	.....	Claire L. Bowe
Farley	Colfax	5,800	.....	.....	.....	.....	.....	.....	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Tom Davenport
Grenville	Union	5,990	5	36.9	.....	69	23	7	10	5	1.91	.....	.....	.....	24.0	4	11	6	13	sw.	Vincent C. Steele
Hayden, 8½ mi. NNE	do	4,800	.....	.....	.....	.....	.....	.....	.....	36	1.40	+0.97	0.46	4-5	17.8	6	.....	.....	.....	.....	Ben Deinken
Hoosier Ranch	Harding	5,680	.....	.....	.....	.....	.....	.....	.....	35	1.70	+1.18	1.32	5	12.0	2	14	7	9	sw.	W. H. Guthmann
Ione	Union	4,810	.....	.....	.....	.....	.....	.....	.....	36	0.58	+0.12	0.40	5	9.5	4	17	6	7	sw.	Herbert A. Petrow
La Placita Ranch	San Miguel	6,700	.....	.....	.....	.....	.....	.....	.....	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	James W. Reynolds
Lake Maloya	Colfax	7,400	3	32.2	.....	64	28	2	10	3	3.02	.....	1.57	2-3	32.5	8	8	5	17	n.	Raton City Water Dept.
Levy	Mora	6,252	32	32.6	-5.8	65	1	4	10	36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	F. L. Stewart
Logan	Quay	3,831	36	44.5	-0.9	79	29	15	6	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Patrick V. Moore
Long Canyon	Union	5,800	.....	.....	.....	.....	.....	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	George E. Hardesty
Maxwell	Colfax	6,052	1	35.6	.....	70	24†	11	10	28	0.78	.....	0.37	2-3	.....	5	10	12	8	ne.	Maxwell Irrigation Co.
Miami	do	6,300	36	37.8	-2.4	72	29	9	9†	38	0.85	+0.28	0.40	3	13.6	4	22	2	6	w.	C. C. Lapp
Mosquero, 3½ mi. NE	Harding	5,550	20	41.4	+0.1	70	23†	17	9	20	1.04	+0.53	0.56	5	11.5	4	19	3	8	sw.	W. T. Lofton
Newkirk	Guadalupe	4,569	.....	.....	.....	.....	.....	.....	.....	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Alex Wilkerson
Obar	Quay	4,100	36	44.4	-0.7	75	23†	20	10	40	0.35	-0.30	0.35	5	3.5	1	22	4	4	sw.	C. C. Clark
Optimo, 4 mi. NE	Mora	6,400	.....	.....	.....	.....	.....	.....	.....	4	1.40	.....	0.70	5	15.0	4	23	3	4	sw.	F. W. Doolin
Palo Verde	Harding	5,880	.....	.....	.....	.....	.....	.....	.....	35	1.00	+0.52	0.40	6	10.0	4	14	13	3	sw.	G. R. Abernathy
Pasamonte 7 mi. NE	Union	5,650	20	40.8	+0.5	79	28	13	9†	36	0.53	+0.24	0.42	5	8.2	3	19	3	8	sw.	Max H. Britt
Pennington, 3½ mi. ENE	do	5,600	.....	.....	.....	.....	.....	.....	.....	20	0.97	+0.61	0.54	6	14.0	5	14	13	3	sw.	Mrs. F. W. Root
Philmont Scout Ranch	Colfax	7,600	4	.....	.....	.....	.....	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Minor Huffman
Porter, 2 mi. E	Quay	4,100	.....	.....	.....	.....	.....	.....	.....	21	1.05	+0.18	.....	.....	11.0	4	21	4	5	sw.	L. Caz Jackson
Quay	do	4,300	.....	.....	.....	.....	.....	.....	.....	22	1.15	+0.42	0.57	5	9.0	4	.....	.....	.....	.....	B. H. Dunlap
Raton	Colfax	6,676	28	.....	.....	.....	.....	.....	.....	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Joe L. Pervatel
Raton Airport 1¼ mi. SSW	do	6,879	5	35.8	.....	69	28	10	11	5	0.41	.....	0.16	5	7.2	4	9	15	6	n.	U. S. Weather Bureau
Roy	Harding	5,884	.....	.....	.....	.....	.....	.....	.....	37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T. J. Strong
Rutledge Ranch	Union	4,900	.....	.....	.....	.....	.....	.....	.....	3	3.09	.....	.....	.....	24.0	5	.....	.....	.....	.....	Carson A. Rutledge
Sanchez	San Miguel	4,900	.....	.....	.....	.....	.....	.....	.....	4	0.83	.....	0.54	5	8.0	3	.....	.....	.....	.....	Tony A. Sanchez
San Jon	Quay	4,200	38	44.1	-2.1	75	23†	16	7	39	2.46	+1.85	0.82	5-6	21.0	5	18	6	6	sw.	Mrs. J. T. White
Sedan, 7½ mi. NW	Union	4,825	.....	.....	.....	.....	.....	.....	.....	35	.....	.....	.....	.....	18.0	2	.....	.....	.....	.....	Homer P. Smith
Solano	Harding	5,600	.....	.....	.....	.....	.....	.....	.....	37	0.84	+0.24	.....	.....	13.0	5	11	13	6	sw.	N. L. Burton
Springer	Colfax	5,857	49	37.3	-1.8	71	29	6	10†	57	1.59	+1.08	0.61	2-3	22.5	5	19	5	6	.....	Mrs. H. T. Irwin
Tucumcari No. 1, 3 mi. NE	Quay	4,100	41	44.2	-2.6	76	29	20	6	41	1.21	+0.47	0.54	5-6	11.5	4	.....	.....	.....	.....	U. S. Experiment Station
Tucumcari No. 2	do	4,086	30	.....	.....	.....	.....	.....	.....	37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Agt. So. Pac. R. R.
Tucumcari Airport, 7 mi. E.	do	4,020	6	44.2	.....	76	23†	20	6	6	1.12	.....	0.57	5	11.0	5	9	8	13	sw.	C. A. A.
Valmora	Mora	6,300	26	37.6	-1.8	72	29	13	11	28	1.01	+0.50	0.50	5-6	18.0	4	13	12	5	sw.	A. M. Claiborne
Yates, 3½ mi. SE	Harding	5,600	.....	.....	.....	.....	.....	.....	.....	15	0.80	+0.45	.....	.....	10.0	3	.....	.....	.....	.....	Charley B. Hargrave
Division means and extremes																					
Alamogordo Dam	DeBaca	4,306	7	46.1	.....	74	30	23	10	7	0.46	.....	0.35	5-6	1.8	3	16	7	7	sw.	Reclamation Service
Alamogordo No. 2	Otero	4,320	30	45.8	-4.3	72	1†	23	6	37	1.56	+0.97	1.28	5	2.0	3	17	7	6	.....	Agt. So. Pac. R. R.
Ancho	Lincoln	6,112	.....	.....	.....	.....	.....	.....	.....	37	1.00	+0.43	0.55	24-25	6.5	3	11	12	7	sw.	Do
Anton Chico Airport, 5 SE.	Guadalupe	5,280	2	41.6	.....	70	30	22	10	4	0.75	.....	0.60	5	18.5	4	16	7	7	w.	C. A. A.
Arch	Roosevelt	4,000	.....	.....	.....	.....	.....	.....	.....	11	0.63	+0.05	.....	.....	T.	4	.....	.....	.....	.....	B. M. Trammell
Artesia	Eddy	3,850	38	.....	.....	.....	.....	.....	.....	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	

Climatological Data for November, 1946

Stations	Counties	Elevation, feet	Length of rec- ord, years	Temperature, in degrees Fahrenheit					Precipitation in inches					Number of days					Prevailing direc- tion of wind	Observers	
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of rec- ord, years	Total	Departure from the normal	Greatest in 24 hours ⁴	Date	Total snowfall (unmelted)	With precip. .01 inch or more	Clear	Partly cloudy			Cloudy
Pastura.....	Guadalupe	5,285	22	42.7	-2.3	71	22†	21	11	37	1.10	+0.68	0.50	5	11.0	3	18	4	8	.....	A. C. Ortega
Pearl, 2 mi. E.....	Lea	3,800	22	50.1	+1.1	85	23	22	26	30	0.24	-0.19	0.24	5	0	1	17	11	2	s.	Eldon K. Turner
Pecos Ranger Station.....	San Miguel	6,900	8	37.7	.....	70	30	9	4	28	0.82	+0.30	0.21	5	10.0	5	13	7	10	sw.	Forest Service
Portales.....	Roosevelt	4,004	37	43.7	-1.7	75	23†	18	26	39	0.68	+0.01	0.40	4-5	1.0	3	19	4	7	w.	Eastern N. M. College
Portales Evap. Sta., 7 NW.....	do	4,200	12	43.8	-2.3	75	25	19	6†	12	0.79	+0.15	0.30	5-6	4.5	5	13	8	9	w.	A. C. Woodburn
Prairieview.....	Lea	4,000	.....	.....	.....	.....	.....	.....	.....	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E. L. Harbison
Ragland.....	Quay	5,100	.....	.....	.....	.....	.....	.....	.....	11	0.89	+0.35	0.34	5	13.0	3	24	2	4	w.	Louis O. Caton
Rencona.....	San Miguel	7,000	.....	.....	.....	.....	.....	.....	.....	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	O. A. Clark
Richland, 6½ mi. NW.....	Roosevelt	4,400	29	.....	.....	.....	.....	.....	.....	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Charles Gushwa
Riverside Camp.....	Lincoln	4,763	.....	.....	.....	.....	.....	.....	.....	5	0.46	.....	0.16	4-5	.....	4	.....	.....	.....	.....	Bob Smith
Roswell ⁵	Chaves	3,566	52	47.0	-1.1	78	23	25	26	68	0.36	-0.49	0.24	4.5	1.0	4	15	6	9	s.	U. S. Weather Bureau
Roswell No. 2, 5½ mi. SE.....	do	3,500	6	.....	.....	.....	.....	.....	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Fred M. Nelson
Ruidoso.....	Lincoln	6,875	3	38.2	.....	70	30	6	6	3	0.53	.....	0.22	5	5.7	5	10	12	8	w.	C. A. Culver
St. Vrain.....	Curry	4,450	.....	.....	.....	.....	.....	.....	.....	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Harry S. Southard
Santa Rosa.....	Guadalupe	4,624	35	43.6	-3.3	68	1†	24	10†	46	0.29	-0.13	0.17	5-6	2.4	3	20	3	7	sw.	Agt. So. Pac. R. R.
Santa Rosa, 1 mi. E.....	do	4,600	.....	.....	.....	74	28†	23	10†	.....	0.84	.....	0.41	5	12.0	4	18	5	7	w.	U. S. Fish & Wildlife Surv
Tatum.....	Lea	4,100	22	.....	.....	.....	.....	.....	.....	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Maudie Betenbought
Terroterro.....	San Miguel	7,500	1	33.4	.....	65	28	6	10†	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Harry M. Ley
Tularosa.....	Otero	4,449	33	48.8	-1.4	74	23	20	6	37	0.30	-0.22	0.22	4-5	1.0	4	9	16	5	.....	W. L. Weber
Union Valley.....	Roosevelt	4,500	.....	.....	.....	.....	.....	.....	.....	20	0.35	-0.07	0.35	5	2.0	1	9	9	12	.....	Glenn A. Nicholson
Vaughn.....	Guadalupe	6,000	12	.....	.....	.....	.....	.....	.....	37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Agt. So. Pac. R. R.
White Sands Nat'l Mon.....	Otero	3,995	7	42.8	.....	74	23	11	29	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	National Park Service
White Tail.....	do	7,600	.....	.....	.....	.....	.....	.....	.....	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Maurice A. Callahan
Winsor's.....	San Miguel	8,800	47	.....	.....	.....	.....	.....	.....	51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Flora B. Winsor
Division means and extremes.....	.....	.....	.....	43.7	-1.5	85	23	2	6	38	0.70	+0.16	1.28	5	5.6	3	17	7	6	sw.	.....
Northern Rio Grande	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aspen Grove Ranch.....	Rio Arriba	9,500	.....	.....	.....	.....	.....	.....	.....	37	2.69	+1.57	1.00	2	25.0	6	19	4	7	.....	R. B. Maupin
Bandelier Nat. Mon.....	Sandoval	6,061	9	36.9	.....	65	22†	6	4	22	0.80	+0.05	0.54	3	6.5	5	14	9	7	.....	National Park Service
Bateman's Ranch.....	Rio Arriba	8,900	.....	.....	.....	.....	.....	.....	.....	36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Ora E. Bateman
Bernalillo.....	Sandoval	5,040	13	41.0	-1.4	67	27†	18	4	19	1.16	+0.60	1.11	2-3	12.0	2	16	10	4	.....	Soil Conservation Service
Cabezon.....	do	6,100	.....	.....	.....	.....	.....	.....	.....	6	1.78	.....	0.93	3	.....	4	8	4	18	w.	Mrs. B. G. Heller
Canjilon Ranger Sta.....	Rio Arriba	7,700	.....	.....	.....	.....	.....	.....	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forest Service
Cerro.....	Taos	7,659	30	30.8	-3.2	57	28	5	16	35	0.91	+0.41	0.22	24	4.9	6	7	13	10	sw.	W. P. Cater
Chama.....	Rio Arriba	7,851	46	31.0	-3.7	60	28	4	11	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Grace Hilton
Cuba.....	Sandoval	6,900	7	33.1	.....	64	28	3	16	7	1.07	.....	0.55	3	.....	6	12	12	6	.....	Franciscan Fathers
Edgewood.....	Santa Fe	6,800	.....	.....	.....	.....	.....	.....	.....	2	1.54	.....	0.77	2-3	24.0	4	15	6	9	sw.	W. O. Bassett
El Rito.....	Rio Arriba	6,750	.....	.....	.....	.....	.....	.....	.....	18	0.52	-0.02	0.23	23	4.5	7	18	4	8	sw.	Forest Service
El Vado Dam.....	do	6,796	8	35.0	.....	66	24	8	11	12	0.70	-0.06	0.30	24	1.0	5	14	0	16	sw.	M. R. G. Conservancy Dist.
Espanola.....	do	5,593	35	.....	.....	.....	.....	.....	.....	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Robert W. Drace
Gavilan.....	Rio Arriba	7,350	16	30.6	-0.7	64	28	8	16	21	1.49	+0.51	0.50	23	13.4	8	13	9	8	sw.	E. M. Collins
Jemez Springs.....	Sandoval	6,100	25	39.6	-2.5	62	30	15	2†	36	1.58	+0.78	0.72	3	13.3	5	15	7	8	sw.	Hugh S. Miller
Los Alamos Ranch.....	do	7,324	25	36.4	-1.2	57	29	20	4†	33	0.30	-0.36	0.16	4	8.0	3	16	7	7	ne.	Z. I. A. Co.
Otto Airport, 1 mi. S.....	Santa Fe	6,226	31	35.8	-3.0	67	29	9	7	35	1.15	+0.78	0.53	5	10.3	5	10	8	12	nw.	C. A. A.
Penasco Ranger Sta.....	Taos	7,900	.....	.....	.....	.....	.....	.....	.....	16	1.23	+0.29	0.40	22	14.5	8	12	10	8	sw.	Forest Service
Red River.....	do	8,676	36	26.7	-4.3	54	16†	-6	16	40	2.98	+2.07	2.00	2-3	25.2	5	19	5	6	w.	Ethel E. Prunty
Regina.....	Sandoval	7,450	29	34.4	-0.4	63	28	3	16	31	1.61	+0.91	0.50	3	15.4	5	15	8	7	sw.	Mrs. Helen C. Fish
Sandia Park.....	Bernalillo	7,011	6	40.8	.....	65	1	24	7	6	3.37	.....	1.40	3	35.0	6	13	9	8	.....	Vance V. Tilton
Santa Clara R. S.....	Rio Arriba	7,400	7	.....	.....	.....	.....	.....	.....	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	U. S. Indian Service
Santa Fe.....	Santa Fe	7,000	70	36.0	-3.1	60	28	8	4	96	1.17	+0.47	0.57	3	10.2	6	15	8	7	sw.	Rufus H. Carter, Jr.
Santa Fe Airport, 6 SW.....	do	6,312	5	36.6	.....	62	27	4	4	5	0.86	.....	0.35	3	9.0	6	10	12	8	n.	C. A. A.
Selsor Ranch.....	Sandoval	8,000	30	32.8	-2.3	62	28	9	16	34	2.19	+1.17	0.68	23	22.5	9	18	3	9	s.	Donald L. Smith
Skarda.....	Rio Arriba	8,500	.....	.....	.....	.....	.....	.....	.....	4	0.76	.....	0.27	2	20.0	5	.....	.....	.....	.....	Ethel E. Schofield
Taos.....	Taos	6,983	48	34.6	-2.8	61	29	4	4	53	1.66	+1.07	0.72	2-3	.....	5	.....	.....	.....	.....	Arthur W. Lyckman
Tierra Amarilla.....	Rio Arriba	7,466	18	31.8	+0.7	59	30	7	11†	19	0.84	-0.05	0.48	23	8.6	4	16	5	9	sw.	Sisters of St. Francis
Tijeras Ranger Sta.....	Bernalillo	6,450	27	35.6	-2.1	62	27	11	11	35	2.77	+2.06	2.10	2-3	23.5	7	13	7	10	w.	Forrest Service
Tres Piedras.....	Taos	8,076	39	.....	.....	.....	.....	.....	.....	46	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Manuelita Gurule
Truchas.....	Rio Arriba	7,000	35	.....	.....	.....	.....	.....	.....	36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Eloisa Tafoya
Division means and extremes.....	.....	.....	.....	34.5	-2.1	67	27†	-9	16	38	1.46	+0.69	2.10	2-3	15.4	6	14	7	9	sw.	.....
Southern Rio Grande																					

Climatological Data for November, 1946

Stations	Counties	Elevation, feet	Temperature, in degrees Fahrenheit							Precipitation in inches					Number of days				Observers		
			Length of rec- ord, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of rec- ord, years	Total	Departure from the normal	Greatest in 24 hours ⁴	Date	Total snowfall (unmelted)	With precip. .01 inch or more	Clear	Partly cloudy		Cloudy	Prevailing direc- tion of wind
Gila and Southwest																					
Adobe Ranch	Catron	7,420	4	32.2		65	23	8	6†	4	0.05				0.5		24	6	0	sw.	Jim L. Williams
Animas	Hidalgo	4,405	20							23											Agt. So. Pac. R. R.
Augustine, 10 mi. SW	Catron	6,890	16	36.4	-0.9	66	21†	9	11	19	0.07	-0.34	0.07	5	3.0	1	18	7	5	w.	Mrs. Lena K. Lane
Bear Creek Ranch	Grant	5,300								6							13	5	12	ne.	J. H. Burris
Beaverhead R. S.	Catron	6,720	7							7											Forest Service
Birmingham Ranch	do	6,800	6	38.2		70	29	6	5	6	0.26		0.26	4.5	6.0	1	17	6	7	w.	H. B. Birmingham
Burro Mountain	Grant	7,900	1							1											Alfred F. Moore
Cliff, 2 mi. NW	do	4,600	8							38											J. A. Dinwiddie
Cliff, 9 mi. SE	do	4,800								2	0.91	+0.01	0.48	5	7.5	4	16	11	3	sw.	Fred W. Foster
Columbus Airport, 1 SE	Luna	4,020	1	47.2	-3.8	75	8†	19	6	5	0.05	-0.47	0.05	25	T.	1	17	12	1	nw.	C. A. A.
Culberson Ranch	Hidalgo	4,888								15											Mrs. Dick Richard
Datil	Catron	7,100	23							34											Russell Parrott
Deming	Luna	4,331	40	48.0	-1.2	74	22	21	6	70	0.01	-0.44	0.01	24	T.	1	18	9	3	w.	Agt. So. Pac. R. R.
Eicks' Ranch	Hidalgo	5,300	13	44.2	-3.4	77	22	14	3	13	0.38	-0.34	0.38	26	0.0	1	20	9	1	sw.	J. H. Eicks
Faywood	Luna	5,050	1							1	0.41		0.18	10	0	3					James E. Hyatt
Florida	do	4,450	6	45.0		74	23	16	6	9	0.10		0.10	6	1.0	1					Theresa C. Brownfield
Fort Bayard	Grant	6,152	70	41.8	-4.4	70	30	18	3	77	0.72	-0.06	0.33	24-25	3.6	3	16	11	3	w.	L. G. McConkie
Gage	Luna	4,480	39	46.6	-1.9	73	23	20	16	47	0.30	-0.28	0.19	24	0	2	21	5	4	w.	S. C. Phillips
Glenwood	Catron	4,745	2	45.2		73	14	21	6†	6	1.58		1.12	5	8.0	3	10	5	15	sw.	Joe. A. Saunders
Hachita	Grant	4,504	17	50.5	+1.6	78	22	15	26	37	0.00	-0.60	0.00		0.0	0	20	10	0	sw.	Agt. So. Pac. R. R.
Hermanas	Luna	4,535								31	0.31	-0.24	0.20	22	0.0	3					Tom Baker
Hood Ranger Sta.	Catron	5,832	2	39.7		74	27†	13	6†	29	0.47	-0.45	0.17	24	2.0	5					Forest Service
Inman Ranch	Sierra	7,800								6	0.31		0.14	24	2.0	4	10	14	6	sw.	F. M. Inman
Jewett Ranger Station	Catron	7,400		35.6		67	30	6	6	23	0.54	-0.05			5.1	7	15	4	11	s.	Forest Service
Lordsburg	Hidalgo	4,245								65	1.08	+0.55	0.68	24-25	2.0	4	23	6	1	sw.	Agt. So. Pac. R. R.
Luna Ranger Station, 1 E	Catron	7,050	38	33.9	-2.5	68	27	6	6	46	0.69	-0.29	0.25	3	11.0	7	14	9	7	sw.	Forest Service
Mimbres Ranger Sta., 6 NW	Grant	6,247								32	1.05	+0.08	0.48	4	4.0	5					do
Mogollon	Catron	6,566	8	39.2		66	22	13	6	9	1.13		0.76	23-24	9.0	5	17	11	2	e.	Mrs. Mabel Johnson
O Bar O Ranger Sta.	do	7,630								4											Forest Service
Pinos Altos	Grant	7,040								35	1.04	+0.08	0.49	24	8.0	4	14	7	9		B. H. Riddle
Quemado	Catron	6,879	19	36.4	-1.6	71	29	10	1	23	0.40	-0.23	0.14	9	4.2	3	18	5	7	w.	Mrs. G. K. Allison
Rodeo	Hidalgo	4,118	13							37											Agt. So. Pac. R. R.
Rodeo Airport, 6 1/2 NNE	do	4,126	6	48.0	-2.9	77	23	20	3†	6	0.33	-0.31	0.22	24	T.	3	13	6	11	e.	C. A. A.
Silver City	Grant	5,937	3	41.5		69	30	20	3†	43	0.68	-0.25	0.39	24		2	20	10	0	s.	Forest Service
Virden	Hidalgo	3,765								4	0.98		0.62	5	0	3					E. S. Thygeson
Willow Creek R. S.	Catron	8,100								3											Forest Service
Division means and extremes				41.6	-2.1	78	22	6	5†	38	0.53	-0.18	1.12	5	3.2	3	17	8	5	sw.	
San Juan and Northwest																					
Aztec Ruins Nat'l Mon.	San Juan	5,800	34	38.9	-0.2	68	29	11	26	44	0.48	-0.16	0.22	23-24	0.2	7	20	5	5	sw.	National Park Service
Black Rock	McKinley	6,455	36							38	1.16	+0.51	0.45	23-24	6.5	5					Fred E. Frost
Bloomfield	San Juan	5,794	51	42.6	+3.7	69	29	19	9	47	0.51	-0.02	0.21	8-9	T.	4	21	3	6	w.	N. M. Gas Company
Chaco Canyon Nat. Mon.	do	6,125	14	38.7	-0.1	68	28	17	26	18	0.97	+0.45	0.31	15	4.0	6	16	7	7	w.	National Park Service
Crownpoint	McKinley	6,978	30	36.8	-4.0	64	28	17	4	32	1.21	+0.74	0.55	3	13.0	8	16	9	5	sw.	Irleymae Ford
Dulce	Rio Arriba	6,767	43	34.1	+1.0	59	22	0	11	37	1.72	+0.44	0.38	9†	10.2	8	15	5	10	e.	Jicarilla Indian Agency
El Morro Apt., 10 SE Ramah	Valencia	7,120	5	34.2		66	28	12	1†	5	0.66		0.18	2†	4.3	5	8	5	17		C. A. A.
El Morro N. M. 10 1/2 SE Ramah	do	7,218	8							8											National Park Service
Farmington	San Juan	5,374	5	37.4		62	28	16	5†	31	0.84	+0.36	0.38	14-15	3.0	7	16	6	8	e.	Floyd G. Davenport
Farmington Evap. Sta.	do	5,300								5	0.78	+0.30	0.38	14-15	1.0	6	15	11	4		George D. Bratschi
Fort Wingate	McKinley	7,000	20	37.8	-3.6	64	28†	17	4	52	1.36	+0.67	0.31	14-15	9.8	10	13	10	7	w.	George E. Randolph
Fruitland	San Juan	5,165	33	39.8	-0.1	64	28	16	10	41	0.81	+0.39	0.56	14-15	T	8	19	5	6	w.	Indian Service
Gamero (Gallup)	McKinley	6,735	24	34.2	-3.2	61	28	13	17†	28	1.24	+0.53	0.51	3		5					Gallup Am. Coal Co.
Governador	Rio Arriba	7,200	16	37.1	+0.2	65	28	14	4	17	1.22	+0.60	0.44	24	6.1	7	15	3	12	w.	Wallace B. Horn
Gower	McKinley	7,300	8	36.3		66	28	9	4†	11	1.36		0.40	3	15.0	7	15	5	10		Edward Houghton
McGaffey Ranger Sta.	do	8,000	27	32.4	-1.6	61	28	2	11	33	1.82	+0.90			13.7	6	16	6	8		Forest Service
Mexican Springs	do	6,437								1	0.55		0.34	3-4	6.7	4					Howard J. Hawthorne
Ramah	do	7,200	3							18	0.84	+0.08	0.40	23	4.0	3					Mrs. Thomas Wilkins
Shiprock	San Juan	4,945	17	39.4	-2.0	64	13	18	1†	17	0.88	+0.41	0.65	14-15	1.0	5	15	10	5	se.	James F. Maher
Star Lake	Valencia	7,100	20	34.2		65	23	11	1		0.24				8.0	2					Howard Donaldson
Tohatchi	McKinley	6,800		39.1	-2.8	64	22†	20	5†	29	1.02	+0.48	0.30	3	7.4	6	16	10	4	sw.	Indian Service
Division means and extremes				37.3	-1.1	69	29	0	11	38	1.00	+0.34	0.65	14-15	6.1	6	16	7	7	w.	
State means and extremes				40.0	-2.4	85	23	-12	19	55	0.93	+0.29	2.10	2-3	9.1	4	16	7	7	sw.	

All departures from normal are computed from the averages of the entire period through 1943 for stations having 10, or more years of record, except that for First-Order Weather Bureau Stations they are based on adopted normals. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. T. - Trace or 0.005 inch or less. * b. c., etc. - Number of days missing, for example, b. indicates two days missing. *Italics* data is interpolated. † Partly interpolated. ‡ And other dates. † Received too late to be included in means and summaries. ‡ Best available used for stations not equipped with recorders. § Recording gage. / Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Continued from page 81.

the Canadian watershed. Winds formed drifts five to six feet deep in some areas. All modes of travel were halted, or slowed considerably, and many rural roads remained completely blocked for a week or more. Feeding of livestock was necessary, and while losses were not severe, considerable shrinkage was noted in some herds.

Temperatures during this period were well below normal with daily deficiencies of as much as 20° reported. Scattered snow again fell on the 9th and 10th, and a general storm on the 24th and 25th brought rain to the lower valleys and snow to stations

at higher elevations.

Considering the month as a whole, precipitation was well above normal in most northern and central counties, and was below normal in southern counties. The greatest excess was registered in the Canadian northeast where 227% of normal precipitation fell, while the greatest deficiency occurred in the Gila and Southwest where only 75% of normal was recorded.

Temperatures were generally well below normal during a cloudy first half of the month, and rose to near to slightly above normal during a clear, sunny second half.

G.F.V.

Daily Precipitation for November, 1946

[illegible]

Daily Precipitation for November, 1946

Stations	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	Total
Ragland.....			.23		.34																			.32								0.89
Rencoua.....																																
Richland, 6½ mi. NW.....																																
Riverside Camp ¹			.14	.15	.16	.01																										0.46
Roswell ¹ , ⁵				.02	.04	.21				T.															.09							0.36
Roswell No. 2, 5¼ mi. SE.....																																
Ruidoso.....			T.	T.	.14	.22			.05	.05																.07						0.53
St. Vrain, 5 mi. NE.....																																
Santa Rosa.....			.08		.04	.17																										0.29
Santa Rosa, 1 mi. E.....			.10		.41	.30																				.03						0.84
Tatum.....																																
Tererro.....																																0.20
Tularosa ²			T.		.20	.02				.06													.20			.02						0.30
Union Valley.....				T.	.35																					T.						0.35
Vaughn.....																																
White Sands Natn'l Mon.....																																
White Tail.....																																
Winsor's.....																																
Northern Rio Grande																																
Aspen Grove Ranch.....	1.00	.65						.45		.05					.08										.46							2.69
Bandelier National Monument.....	T.	.54			.06				T.						.09									.10	.01							0.80
Bateman's Ranch.....																																
Bernalillo.....			1.11	T.																						.05						1.16
Cabezon, ¹			.60	.93	.15																				.10							1.78
Canjilon Ranger Station.....								T.	T.																							
Cerro.....			.15	.10	T.			.05	.21							.18									.22							0.91
Chama.....																									.40							
Cuba.....	T.	.55	.02	T.					.09	T.						.20									.19	.02						1.07
Edgewood.....			.77	T.	.47																				.17	.13						1.54
El Rito ²	.01	.07	.03	T.										.02	.08									.23	.08							0.52
El Vado Dam.....			.05					.20							.05	T.								.10	.30							0.70
Espanola ²																																
Gavilan.....	.23	.22	.03	T.			.10	.14	T.		T.				.22										.50	.05						1.49
Jemez Springs.....			.72		.08				.01						.47																	1.58
Los Alamos Ranch.....			.08	.16																				.30	.06	T.						0.30
Otto Airport, 1 mi. S.....	T.	.48	T.	.53					.04	.10					T.										.01	.09						1.15
Penasco Ranger Station ²		.10	.05					.30	.10							.16							.40	.12								1.23
Red River//.....	T.	2.00	.53					T.	.25						.18										.02							2.98
Regina.....		.10	.50						.18						.41											.42						1.61
Sandia Park.....	T.	1.40	.13	.40	T.				.14															1.15	.15							3.37
Santa Clara Ranger Station.....																																
Santa Fe ⁴	T.	.57	.04	.08				T.	T.	T.					.09										.16	.23						1.17
Santa Fe Airport, 6 mi. SW.....	T.	.35	T.	.07				T.	T.					T.	.12									.04	.14	.14						0.86
Selsor Ranch.....		.16	.29	.04	.04			.04	.26	.03					.65										.68							2.19
Skarda ²		.27	.26					.08	.05	.05															.10							0.76
Taos ⁶			.72						.25						.41	.01										.27						1.66
Tierra Amarilla.....			.25						.05						.06									.48	T.							0.84
Tijeras Ranger Station.....	T.	2.10	.25	.05		.05									.05									.23	T.	.04						2.77
Tres Piedras//.....		.18																												.07		
Truchas.....																																
Southern Rio Grande																																
Acoma Airport ³ , 3 mi. SW McCarty.....	.16	.55	.12	.03	T.		.04	.01						.19	T.									T.	.02							1.12
Afton ²				.08																						.06						0.14
Agricultural College ¹				.11																						.04						0.15
Albuquerque Airport ¹ , 5.4 mi. SE.....	.10	.41	T.	.02				T.	T.	T.					.01										T.	T.						0.54
Albuquerque No. 2, 24 mi. NE.....	.01	.47	T.	T.					.02	T.															.01	T.						0.51
Bingham.....			.24												T.																	0.41
Bluewater.....	T.	.74	.08	.05				.03																		.15						1.05
Bosque del Apache.....			T.	.10																												0.10
Caballo Dam.....				.16																												0.16
Chloride Ranger Station, 1 mi. NE.....			.27																													0.16
Clamanch ²				*	.83																											0.27
Elephant Butte Dam.....					.24	.02																										0.27
Engle Airport, 3 mi. E.....										.01																						
Est																																

Daily Precipitation for November, 1946

Stations	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	Total
Gila and Southwest Continued																																
Eicks' Ranch.....									T.	T.																						0.38
Faywood.....					.14					.18														.09			.38					0.41
Florida.....						.10																										0.10
Fort Bayard ²					T.	.15				.24																.33						0.72
Gage.....					.11																			.19								0.30
Glenwood ²					1.12																		.18	.28								1.58
Hachita.....												*																				0.00
Hermanas ²						.04				.07													.20									0.31
Hood Ranger Station ²			.06	.04				.10	.10															.17								0.47
Inman Ranch ⁴		T.	.04	.03	T.			.10	T.															.14	T.							0.31
Jewett Ranger Station.....		*	.30		.05			.04	.09	T.					T.									.04	.02							0.64
Lordsburg.....					.24			.02				.14													.68							1.08
Luna Ranger Station, 1/4 mi. E.....			.12	.25				.10	.05	T.					.10									.02	.05							0.69
Mimbres Ranger Station ² , 6 mi. NW.....					.48						*	.28			.04										.25							1.05
Mogollon.....		T.	T.	T.	.26			.10	T.	T.				.01									.18	.58	T.							1.13
O - O Ranger Station.....																																1.04
Pinos Altos ² ¹			T.		.34				T.	.12					.09									.49								0.40
Quemado.....				.12						.14														.14								0.33
Rodeo.....								.06	T.	.05																						0.68
Rodeo Airport, 6 1/2 mi. NNE.....					T.	.29									T.	T.							T.	.22		.39						0.98
Silver City ²					.62									.14										.22								
Viriden.....																																
Willow Creek Ranger Station.....																																
San Juan and Northwest																																
Aztec Ruins National Monument.....		.01	.01	.03			.06	.02				T.			.13									.22								0.48
Black Rock.....		.05	.29				.10								.27									.45								1.16
Bloomfield ²			.05	.05						.21														.20								0.51
Chaco Canyon National Monument.....		T.	.28	.10	T.		.10	.03	T.						.31										.15							0.97
Crownpoint ³		.31	.55	.05	.04	T.		.07	T.					.05	.10								T.	.04								1.21
Dulce.....			.04	.14				.22	.38	.12					.22									.38	.22							1.72
El Morro Airport ² , 10 mi. SE Ramah.....		.18	T.	T.	T.		.06	.13	T.					T.	T.								.11	.18								0.66
El Morro Nat. Mon., 10 1/2 mi. SE Ramah.....																																0.84
Farmington ³		.02	.06				.15	.02						T.	.38								.16	.05								0.78
Farmington Evaporation Station.....			.08	.02			.06	.02							.38									.22								1.36
Fort Wingate.....		.16	.19	.07	.01		.19	.05						.25	.06								.18	.20								0.81
Fruitland ²			.04	.03			.03	.04	.01						.56									.06	.04							1.24
Gamero ² (Gallup).....			.51		.06			.13							.34									.20	T.							1.22
Governador.....		.09	.07	.07			.26	.14							.15									.44								1.36
Gower.....		.08	.40	.08	.08		.32	T.	T.						.25	T.								.15								1.82
McGaffey Ranger Station.....		*	.75	T.	T.	.96	.27	.22	*	.20	.05			.32										.50								0.55
Mexican Springs.....		T.	.10	.34	T.		.09	T.					T.	T.	.02																	0.84
Ramah.....				.34													.10							.40								0.88
Shiprock.....		T.	*	.02	.04			.14	.03						T.	.65									T.							0.24
Star Lake.....				.24																												
Tohatchi ²		T.	.24	.30	.03	T.		T.	.10						.26									.09								1.02

Except as otherwise indicated, amounts are for 24-hours ending late in afternoon. ¹ Midnight to midnight. ² Measured in the morning; for the preceding 24-hours. ³ Data for 24-hours ending at 1:30 a. m. EST of following day. ⁴ Recorded after rain. ⁵ Recording gage. ⁶ Measured at 2 p. m. or 3 p. m. T., Trace or 0.005 inch or less. * Included in next measurement. // Windshield on gage. *Italics Data interpolated.* § Partly interpolated.

Daily Evaporation (inches) and Wind Movement (miles)

Stations	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	Total	
Canadian Watershed																																	
Conchas Dam	Evaporation	133.	238.	104.	088.	019.	069.	053.	025.	074.	095.	039.	043.	028.	066.	172.	100.	094.	155.	138.	248.	223.	121.	233.	232.	070.	043.	061.	071.	110.	142.	....	3.287
	Wind movmt	34	163	318	163	88	15	53	13	141	80	100	19	50	83	229	57	104	130	120	205	154	65	136	274	170	34	26	26	52	104	....	3,206
Eagle Nest	Evaporation	80.	65.	95.	36.	*	*	65.	49.	71.	40.	42.	1.	1.	2.	2.	1.	1.	1.	6.	73.	100.	138.	10.	161.	19.	12.	9.	1.	1.	....	1,082	
	Wind movmt	80	65	95	36	*	*	65	49	71	40	42	1	1	2	2	1	1	1	6	73	100	138	10	161	19	12	9	1	1	....	1,082	
Pecos Watershed																																	
Alamogordo Dam	Evaporation	280.	276.	000.	040.	....	....	036.	035.	030.	205.	018.	061.	063.	136.	169.	017.	117.	099.	144.	209.	226.	181.	179.	401.	008.	062.	074.	117.	121.	159.	....	3,710
	Wind movmt	115	97	201	149	79	146	83	15	157	43	28	50	18	45	59	84	147	106	56	127	89	122	81	212	161	27	22	23	22	55	....	2,619
Balmorhea §.....	Evaporation	149.	167.	142.	019.	032.	098.	112.	162.	039.	079.	042.	079.	074.	051.	162.	157.	058.	063.	121.	114.	127.	127.	203.	177.	138.	038.	077.	096.	103.	117.	....	3,123
	Wind movmt	10	23	54	16	23	37	9	3	35	13	16	19	18	5	44	20	17	7	9	13	20	12	10	33	34	10	10	11	12	8	....	551
Ft. Stockton §.....	Evaporation	174.	199.	385.	147.	113.	026.	181.	282.	*	152.	082.	198.	186.	082.	079.	299.	121.	*	252.	160.	240.	204.	120.	....	....	....	....	....	....	....	....	....
	Wind movmt	40	51	142	68	83	96	27	222	*	35	41	132	84	71	83	82	31	**	71	61	84	45	31	....	....	....	....	....	....	....	....	....
Grandfalls§.....	Evaporation	198.	212.	340.	210.	030.	037.	163.	168.	152.	184.	*	272.	174.	088.	070.	324.	146.	130.	146.	142.	142.	230.	110.	130.	154.	094.	082.	090.	110.	140.	....	4,468
	Wind movmt	130	125	217	307	225	114	187	82	119	69	222	122	100	79	73	304	72	141	131	119	215	79	97	147	208	188	55	65	79	96	....	4,167
Lake McMillan.....	Evaporation	290.	264.	334.	106.	032.	*	078.	142.	255.	195.	*	*	*	292.	184.	227.	095.	140.	186.	252.	228.	168.	138.	260.	300.	220.	*	126.	098.	030.	....	4,640
	Wind movmt	130	125	217	307	225	114	187	82	119	69	222	122	100	79	73	304	72	141	131	119	215	79	97	147	208	188	55	65	79	96	....	4,167
Portales Evap. Sta.	Evaporation	250.	085.	179.	059.	215.	....	....	069.	*	149.	083.	089.	028.	091.	116.	161.	*	487.	113.	206.	205.	709.	97	147	208	188	55	65	79	96	....	3,883
	Wind movmt	41	77	162	150	98	38	175	54	114	30	44	78	77	32	170	16	52	81	68	129	37	42	54	121	163	53	30	20	49	34	....	2,289
Red Bluff Dam§.....	Evaporation	274.	332.	302.	104.	....	086.	*	228.	190.	056.	114.	114.	134.	098.	254.	106.	206.	....	....	520.	068.	193.	210.	209.	250.	058.	074.	110.	128.	094.	....	5,013
	Wind movmt	50	77	107	103	84	57	*	41	88	30	40	55	45	28	107	39	8	23	63	34	101	38	24	135	111	31	27	28	31	25	....	1,610
Roswell No. 2.....	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Windmovmt	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Rio Grande Watershed																																	
Agricultural College....	Evaporation	182.	222.	....	....	063.	007.	076.	162.	238.	126.	108.	088.	104.	156.	239.	193.	086.	116.	098.	164.	146.	114.	132.	199.	108.	142.	047.	072.	101.	103.	....	3,849
	Windmovmt	53	64	39	12	81	25	5	46	74	51	35	48	52	42	116	55	18	54	22	26	48	14	23	53	63	10	20	6	6	9	....	1,161
Caballo Dam	Evaporation	269.	243.	160.	030.	000.	071.	119.	153.	120.	158.	147.	110.	076.	292.	216.	103.	111.	135.	165.	400.	148.	161.	356.	125.	272.	078.	036.	125.	129.	205.	....	4,713
	Windmovmt	146	203	219	280	90	56	75	175	50	77	95	92	35	182	175	46	58	53	55	236	45	61	166	180	180	26	70	54	51	225.	....	3,456
Elephant Butte Dam ..	Evaporation	122.	316.	233.	086.	033.	015.	063.	144.	278.	128.	121.	101.	097.	097.	097.	097.	097.	097.	097.	097.	097.	097.	097.	097.	097.	097.	097.	097.	097.	097.	097.	097.
	Windmovmt	70	115	154	133	88	46	51	66	203	61	49	31	75	45	200	171	81	67	55	56	201	72	66	57	195	119	51	68	60	49	....	2,755
El Vado Dam	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Windmovmt	45	35	54	30	12	46	47	18	30	19	17	25	7	6	36	47	6	24	5	14	57	5	9	28	47	28	12	9	2	7	....	727
Jornada Exp. Range ..	Evaporation	157.	268.	063.	102.	....	007.	050.	120.	215.	127.	*	131.	093.	117.	....	176.	051.	081.	109.	170.	127.	096.	244.	105.	071.	037.	056.	123.	093.	029.	....	3,234
	Windmovmt	13	40	32	35	37	4	8	36	61	10	*	49	35	19	59	28	20	8	12	47	15	5	35	54	44	14	5	4	7	5	....	741
Ysleta§.....	Evaporation	160.	261.	113.	103.	060.	112.	128.	216.	160.	146.	088.	120.	060.	258.	188.	222.	068.	094.	*	114.	052.	215.	215.	210.	160.	070.	094.	020.	086.	192.	....	3,985
	Windmovmt	24	97	27	96	33	22	13	78	57	27	47	63	45	93	52	50	57	8	*	17	32	16	18	72	79	30	10	8	7	5	....	1,183
Gila Watershed																																	
Florida	Evaporation	179.	185.	220.	098.	128.	000.	144.	052.	064.	140.	262.	172.	082.	084.	120.	262.	094.	098.	082.	236.	*	248.	234.	056.	202.	398.	082.	022.	212.	100.	....	4,256
	Windmovmt	89	85	179	80	76	59	29	19	181	138	68	22	33	27	164	157	16	25	25	47	*	164	31	83	173	56	24	9	70	15	....	2,144
San Juan Watershed																																	
Farmington †.....	Evaporation	090.	100.	020.	070.	050.	110.	060.	010.	040.	060.	030.	060.	070.	100.	....	040.	060.	050.	020.	050.	040.	070.	050.	....	100.	090.	040.	050.	030.	040.	....	1,714
	Windmovmt	17	101	69	25	35	89	81	78	97	31	71	64	30	125	150	58	35	45	32	00	64	47	15	85	100	39	24	35	33	35	....	1,752

Daily Temperatures for November, 1946

Stations	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	Mean		
Canadian and Northeast																																		
Bell Ranch	Maximum	70	65	62	47	45	55	50	50	55	53	52	50	50	65	64	55	56	59	60	70	70	70	72	75	70	63	62	70	75	74	61.1		
	Minimum	27	30	26	28	30	26	17	30	32	24	23	32	40	28	39	27	25	27	30	30	22	26	30	30	30	22	26	30	25	26	27.9		
Cimarron	Maximum	61	47	27	36	36	46	44	39	43	39	37	42	43	52	46	44	48	58	63	59	59	59	68	55	43	53	54	65	64	62	49.7		
	Minimum	22	25	20	21	24	22	27	29	23	12	13	18	26	25	27	20	17	22	27	36	38	24	37	41	24	17	32	26	29	30	25.1		
Clayton	Maximum	60	52	47	25	37	33	48	41	48	33	39	52	56	56	37	47	61	71	71	59	61	74	62	50	62	58	70	67	68	53.8			
	Minimum	29	23	24	25	25	25	19	21	28	12	17	33	33	33	25	24	25	24	30	30	25	32	40	27	21	29	27	28	27	29	26.3		
Des Moines§§	Maximum	58	39	30	25	32	37	48	42	33	33	40	43	53	55	50	.....	.....	.....	.....	.....	.....	.....	.....	49	40	54	51	65	68	57	45.5		
	Minimum	20	14	15	17	17	17	12	28	8			26	23	29	27								61	72	73	65	60	61	70	79	75	49.3	
Logan	Maximum	71	72	40	40	32	45	55	58	57	50	52													28	35	47	32	23	28	55	25	26	129.6
	Minimum	29	35	30	28	29	15	19	29	34	22	24													60	67	58	40	55	56	69	65	61	49.8
Raton Airport	Maximum	60	44	26	34	34	47	49	42	42	29	38	43	50	52	46	39	51	58	63	59	56	60	67	58	40	55	56	57	70	71	66	52.6	
	Minimum	19	20	19	20	22	24	18	29	17	12	10	27	30	31	30	31	25	20	17	19	22	35	21	28	39	27	18	25	23	22	20	22.0	
Springer §§	Maximum	64	51	37	40	34	46	42	42	49	36	41	42	45	49	48	44	54	58	66	63	60	62	69	61	54	56	57	70	71	66	52.6		
	Minimum	20	18	18	22	25	24	7	22	20	6	6													65	75	63	44	59	58	71	76	71	56.2
Tucumcari No. 1 Field Station §§	Maximum	67	64	31	33	32	45	54	40	53	44	55	47	54	65	56	50	55	63	69	69	59	65	75	63	44	59	58	71	76	71	56.2		
	Minimum	31	36	28	26	28	20	24	33	34	22	25	30	40	32	40	31	29	33	30	40	45	34	41	48	30	25	30	33	33	33	32.1		
Valmora §§	Maximum	62	50	29	37	32	45	52	44	47	41	43	39	45	59	47	43	55	63	67	60	58	69	71	55	39	60	60	71	72	68	52.8		
	Minimum	19	20	21	21	24	24	21	27	23	16	13	20	32	24	30	20	16	15	18	21	28	24	27	33	25	18	24	24	22	28	22	22.4	
Pecos and Southeast																																		
Artesia	Maximum	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
	Minimum	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
Carlsbad	Maximum	79	74	58	44	48	63	71	74	65	73	62	58	61	68	65	62	56	62	75	79	78	64	74	75	43	63	68	68	72	77	65.9		
	Minimum	49	39	43	35	33	25	29	38	50	36	27	59	43	34	41	35	30	32	30	32	40	38	34	52	43	28	31	29	31	34	34	35.7	
Carrizozo	Maximum	65	55	42	42	41	48	61	63	53	47	58	53	60	64	55	57	55	60	62	65	65	69	70	62	45	57	65	65	69	70	58.1		
	Minimum	28	35	28	26	26	20	27	34	32	23	18	40	36	28	31	25	22	20	27	31	35	25	29	41	27	25	27	26	22	25	28.0		
Clovis	Maximum	71	64	39	46	36	51	62	61	54	53	57	54	53	69	59	52	57	62	72	76	67	64	72	76	44	58	67	66	70	71	60.1		
	Minimum	35	34	27	29	26	23	29	35	36	24	22	35	40	32	37	31	27	29	31	37	37	31	36	48	28	25	32	34	36	35	32.0		
Corona	Maximum	60	48	32	25	25	40	50	50	50	62	62	52	48	55	55	50	48	56	54	56	55	62	58	55	55	52	55	62	64	62	51.9		
	Minimum	35	32	22	21	20	20	30	32	29	22	19	30	32	28	34	25	22	34	42	38	24	40	35	25	22	30	26	32	40	40	28.8		
Elida	Maximum	69	65	56	47	33	50	62	66	58	56	49	56	53	66	62	58	55	60	65	70	67	64	71	72	.....	.....	.....	67	72	72	63.8		
	Minimum	35	40	30	28	27	24	27	41	44	24	37	35	41	64	37	27	26	27	32	35	36	28	41	46	.....	.....	.....	32	32	32	32.3		
Fort Sumner	Maximum	73	67	52	38	35	48	60	55	57	.....	.....	55	55	62	61	56	55	60	70	70	.....	70	74	67	54	63	.....	68	71	75	60.4		
	Minimum	38	28	30	30	30	23	27	50	50	.....	.....	39	40	31	32	31	30	21	28	27	.....	27	29	42	32	22	.....	32	27	28	31.7		
Las Vegas Airport §§	Maximum	61	49	25	34	28	38	52	39	40	35	42	36	44	55	47	40	51	62	63	63	58	70	65	53	37	58	59	70	67	66	50.2		
	Minimum	22	25	21	22	23	15	23	25	18	17	17	17	31	32	31	27	24	22	20	31	32	28	29	39	33	22	20	30	31	25	27	25.4	
Lovington	Maximum	74	71	56	43	38	58	71	70	63	54	59	55	56	72	64	59	58	66	70	72	75	65	79	74	68	57	68	70	77	78	64.7		
	Minimum	39	37	39	33	30	26	29	36	49	30	24	32	42	34	38	30	35	29	30	30	29	24	34	52	30	21	28	29	30	31	32.7		
Mesa Service Station	Maximum	72	60	53	36	35	48	65	55	54	52	58	50	52	60	52	55	54	60	67	73	71	68	72	70	52	62	65	66	70	71	59.3		
	Minimum	46	29	29	29	25	21	24	35	29	23	20	40	30	30	29	27	29	21	30	34	31	26	31	42	30	26	29	30	30	30	29.5		
Pastura	Maximum	65	60	57	35	35	41	51	45	49	50	51	45	49	64	51	55	54	61	62	65	62	71	71	61	40	62	65	71	61	71	56.0		
	Minimum	32	28	26	26	25	24	33	29	26	21	34	37	32	23	22	22	22	30	35	41	28	41	26	30	26	32	31	34	34	34	29.4		
Roswell	Maximum	70	68	46	41	33	62	66	66	61	46	58	50	57	68	60	57	55	63	68	76	73	62	78	72	51	60	64	68	70	74	61.4		
	Minimum	40	36	31	31	29	26	29	39	37	29	26	42	37	29	40	34	25	25	28	30	39	32	32	49	33	25	30	31	31	30	32.5		
Santa Rosa	Maximum	68	56	58	46	40	38	50	46	44	44	46	40	46	51	46	46	46	60	62	64	64	64	66	60	60	58	64	62	62	60	54.3		
	Minimum	38	34	26	26	27	27	34	34	32	24	26	38	38	39	39	29	24	26	40	46	46	27	47	47	28								