

Weekly Weather & Crop Bulletin

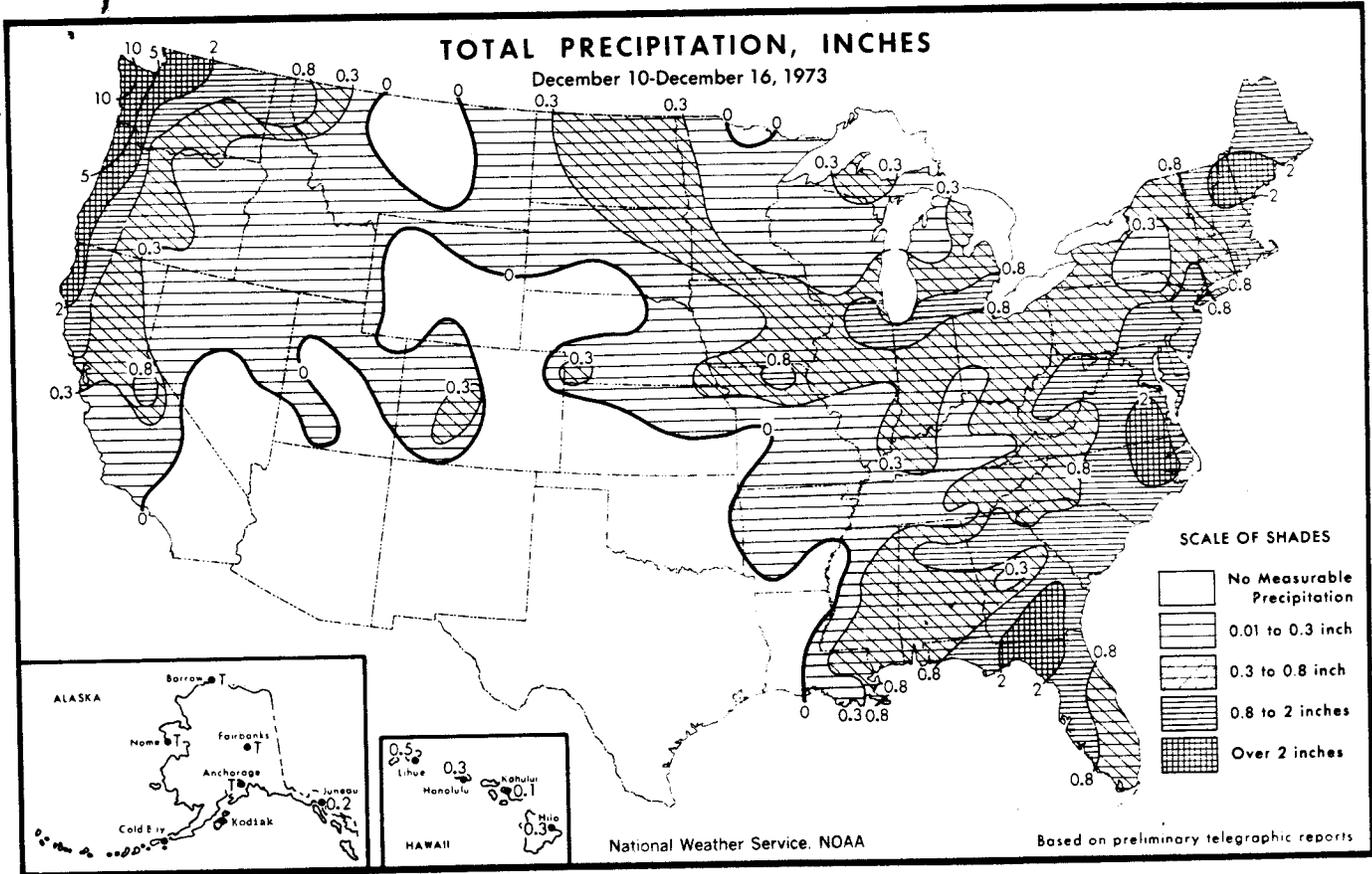
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NATIONAL WEATHER SUMMARY

HIGHLIGHTS: Winter temperatures arrived in the East early in the week; heavy snow arrived Sunday. New York, N. Y., suburbs lay under 10 in. snow Sunday night, Washington, D.C., 8 in. The South, the Midwest, and the Northern Plains also experienced subnormal temperatures and from 0.30 to 2.00 in. precipitation. The Southwest was warm and dry, but winter storms delivered from 2.00 to 10.00 in. rain to the Pacific Northwest.

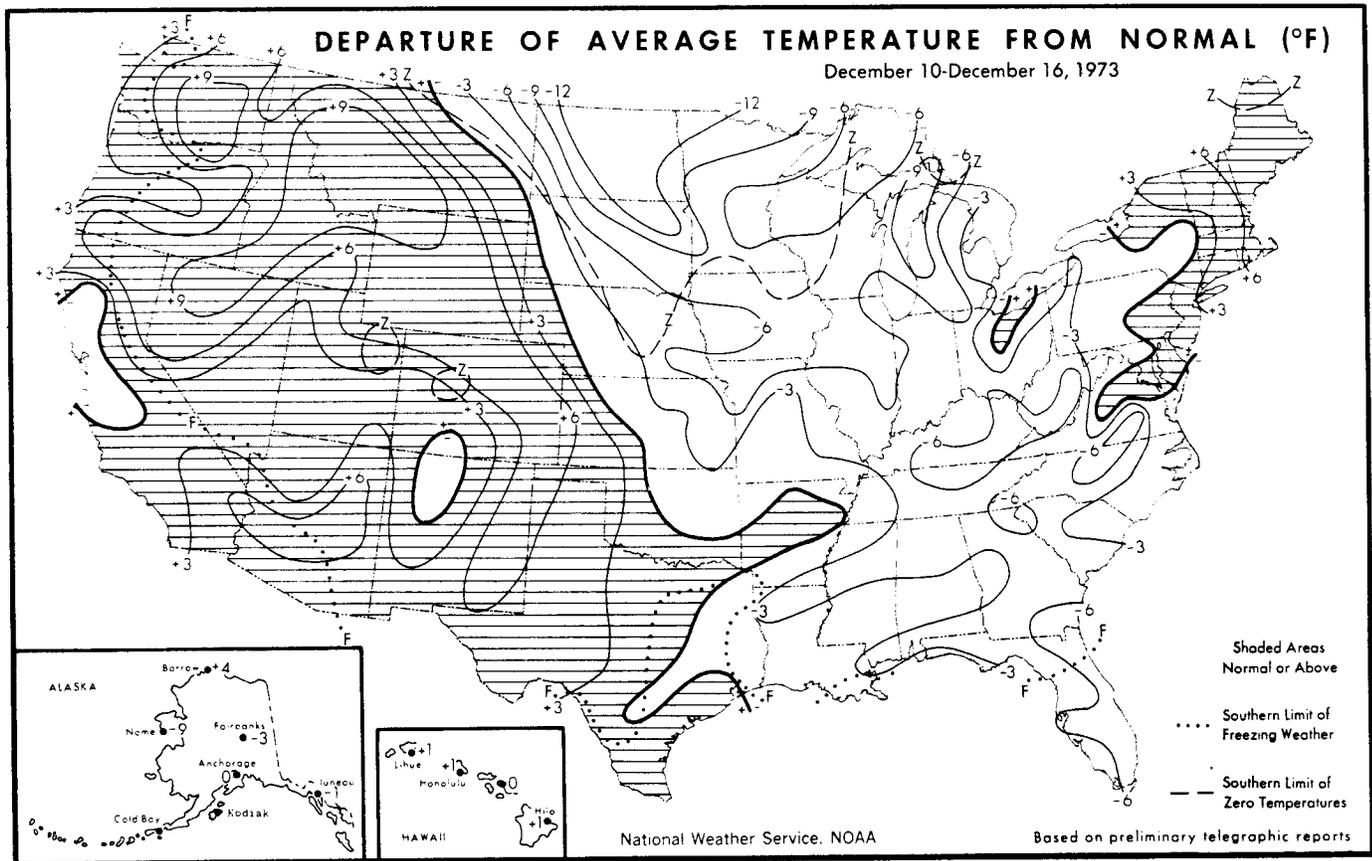
PRECIPITATION: Grim grey clouds shrouded the Nation's skies in many places. Winter snows flurried over the Nation's Northwest and midsection most of the week; snow paralyzed Eastern cities Sunday with up to 10 in. snow.

Monday, a Great Lakes Low produced snow from Michigan to Kentucky and west to eastern Iowa. The storm moved eastward during the day. South Bend, Ind., and Niagara Falls, N. Y., both received 2 in. new snow; Bluefield, W. Va., got 5 in. Tuesday, storms raged along the Atlantic and

Pacific coasts. While Richmond, Va., got 5 in. snow, New England had rain. While rain fell on the Northwest coast, Mt. Shasta, Calif., got 7 in. new snow. Hoquiam, Wash., reported wind gusts up to 55 mph. By Wednesday, the Western storm had moved across the Rockies. Snow and light rain fell on the Northern Rockies. 60 mph winds gusted through Rawlins, Wyo. In the East, New England's rain turned to snow: 2 in. fell at Limestone, Maine.

Thursday, two storms brought unpleasant weather to the Nation's northern half. The first spread rain, freezing rain, sleet, and snow from the Dakotas to Iowa and east to Indiana and Michigan. The second brought rain and snow to the Northwest. Tornadoes struck Georgia and the Carolinas and killed two.

Friday began stormy from the Great Plains to the Atlantic: 1 to 4 in. snow covered an area from the Dakotas to Kansas, snow flurried in the Ohio Valley and the Appalachians, drizzle dampened



New York and New England. Providence, R. I., got 1.05 in. rain. Saturday, snow and sleet fell from Minnesota to West Virginia, as a Low in Georgia threatened the East with foul weather. Meanwhile, a huge storm off British Columbia lashed the north Pacific coast with winds up to 60 mph.

Sunday began with snow over the north and central Appalachians. Then, the Eastern Low over South Carolina brought heavy precipitation into populous Eastern cities. Early Sunday snows began to pile up and paralyze traffic. By early Monday morning New York, N. Y., suburbs had 10 in.; Washington, D. C., had 8 in.; Albany, N. Y., had 4 in.

TEMPERATURE: After 3 weeks of unusual fall warmth, cold invaded the eastern half of the Nation; however, most of the densely populated Northeastern megapolis remained above normal--from 6° above average at Boston, Mass., to 3° above average at Philadelphia, Pa., to around normal in the Baltimore, Md., area. In the South and west of the Appalachians, temperatures averaged mostly from 3° to 6° below seasonal norms.

West of the Mississippi, temperatures were below normal east of a line extending from east Texas through east Montana. North Dakota and parts of two neighboring States averaged 12° below normal. West of the line, temperatures averaged from normal to 8° above normal in parts of Idaho and four neighboring States.

Two Lows, one over the Great Lakes, the other over eastern Canada, teamed up and spread chilly air to the Gulf on Monday. Afternoon temperatures throughout Dixie and along the Gulf reached only 40's and 50's Monday afternoon; at 2 p.m. International Falls, Minn., registered -2°.

Tuesday, while more cold invaded Dixie, south winds brought mild temperatures to the Great Plains, which started the day in the 30's and peaked in the 60's. Montana temperatures stayed in the 40's.

The South was cold Wednesday morning: 20's in Georgia and north Florida. Later, subzero air invaded the Plains. Early in the evening Devils Lake, S. Dak., recorded -2°.

By Thursday, winter bared its teeth to the northern United States. Temperatures remained below 0° in most of North Dakota and north Michigan. Devils Lake, S. Dak., recorded -9° for an afternoon high. The only late week warm weather in the Nation stretched from east Texas to the southern Rockies, where 80's were recorded.

In contrast, on Friday, unseasonably cold air gripped the North Central States, and it remained below freezing all day north of the Missouri and Ohio Rivers. Saturday morning at 2 a.m. Williston, S. Dak., shivered at -9°, the Nation's coldest spot. Minot, N. Dak., reached only -5° by 2 p.m., and the cold spread eastward. Sunday, cold air swept from the Great Lakes to Florida. Muskegon, 0°, and Grand Rapids, Mich., -5°, set record low afternoon temperatures.

NATIONAL AGRICULTURAL SUMMARY

AGRICULTURAL HIGHLIGHTS: Snow brought moisture and protective cover to much Nebraska and Kansas winter wheat acreage. Cotton harvesting made good progress and advanced ahead of average in Texas. Corn, soybeans and sorghum harvests reached the cleanup stage, although Arkansas farmers have 10% of their soybean acreage remaining.

SMALL GRAINS: Winter wheat remained in good condition throughout much of the Great Plains. Snow supplied moisture and cover to wheat in eastern Nebraska and also in northeast Kansas where the crop continued to develop slowly. Top growth on wheat there is short and strong winds caused some blowing in late seeded fields.

Oklahoma wheat grew well and grazing increased, but rust and greenbug infestations have caused some concern to farmers. Wheat and oat seeding reached completion in Texas. Dryness prevented farmers from seeding their full intentions there. Dryness continued to hurt wheat and oat fields from the Texas High Plains to the Edwards Plateau area. Warm weather boosted wheat growth in Colorado.

Montana winter wheat is in fair to good condition and wind damage is light although snow cover is only fair to poor. In Washington, farmers planted winter wheat as soils dried. Wheat stands are good there, but plants are smaller than usual.

CORN: Corn harvesting is either completed or in the cleanup stage. Less than 5% of the acreage remains to be harvested in Nebraska, Kansas and Missouri. Scattered fields were being picked in North Carolina, Georgia, Alabama and Mississippi.

COTTON: Cotton harvesting advanced rapidly ahead of average on the Texas High and Low Plains despite a shortage of cotton trailers and backlogs at gins. Statewide, the Texas cotton harvest is 82% complete compared to 56% a year earlier and a 5-year average of 70%.

Less than 5% of the cotton acreage remains to be harvested in other southern States. Cotton is 98% picked in Mississippi, 97% picked in Arkansas, and 95% picked in Louisiana.

Out West, the cotton harvest progressed rapidly in Arizona under favorable weather, the first picking is generally complete and the second is well advanced. Picking continued in California. New Mexico cotton is over 75% harvested.

SOYBEANS: Harvesting of soybeans moved into the wrapup stage in most remaining soybean producing States. Less than 5% of the soybean acreage remains unharvested in Missouri, Kansas and in

most Southern States with the exception of Arkansas, Texas and Oklahoma. Farmers in these three States have about 10% of their acreage left to harvest. Many unharvested soybean fields in Arkansas are too wet for combines and some acreage is still under flood water.

OTHER CROPS: Sorghum grain harvesting reached the windup stage in the major producing States. Less than 5% of the sorghum acreage remains to be harvested in Kansas and Missouri.

Wet fields limited completion of the southwest Idaho sugar beet harvest. The Arizona crop made favorable progress.

Potato picking continued in California as weather permitted.

Farmers continued to prepare tobacco plant beds in Georgia and to seed beds in the Pee Dee area of South Carolina. Over 80% of Tennessee tobacco production has been sold at auctions.

FRUITS AND NUTS: Florida citrus tree conditions remained very good with no freeze damage. Rains December 15 and 16 boosted Florida soil moisture. The Naval orange harvest was active in California, some desert grapefruit did not meet maturity standards. Citrus harvesting continued full swing in Texas and Arizona.

Pecan harvesting was active in Georgia and is 82% complete in Mississippi. The Louisiana crop is nearly all harvested with good yields, but disappointing quality.

VEGETABLES: Freezing temperatures brought white frost to all Florida vegetable areas December 12. Cucumbers and squash were lost in southwest Florida, but tomatoes and peppers were only set back. Everglades leafy crops suffered some leaf burn and most Pompano-Ft. Pierce crops came through with only lowered plant condition.

In the Texas Lower Rio Grande Valley, pepper and tomato harvests neared completion while in the Winter Garden area cabbage, carrot, and lettuce harvests continued.

Good quality lettuce was harvested in California at Imperial and Palo Verde. Cauliflower production was active and celery harvest was strong along the south coast.

PASTURES AND LIVESTOCK: Pastures in most Southern States are in good shape, but colder weather brought on increased supplemental feeding. Texas ranges continued to decline from dryness.

Heavy snowfall in the Atlantic States from North Carolina to Maine made livestock care difficult while livestock in western States enjoyed warmer than normal temperatures. Cattle are reported in good condition in almost every State.

The publication dates of the Weekly Weather and Crop Bulletin will be changed during the holidays. Vol. 60, No. 52 will be released on December 27. There will be no Bulletin for December 31-January 4. A combined issue, Vol. 61, No. 1-2 will be released on January 8.

Temperature and Precipitation Data for the Week Ending Midnight, Lst., Dec. 16, 1973

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	43	- 4	.5	- .6	La. Baton Rouge . . .	52	- 2	.4	- .7	Youngstown . . .	27	- 3	.7	0
Mobile . . .	51	- 3	.1	-1.2	Lake Charles . . .	53	- 2	T	-1.3	OKLA. Okla. City . . .	41	0	T	-.3
Montgomery . . .	47	- 2	.4	- .7	New Orleans . . .	53	- 3	.2	- .7	Tulsa . . .	39	- 1	0	-.4
ALASKA. Anchorage . . .	15	0	T	- .2	Shreveport . . .	47	- 3	0	-1.1	OREG. Astoria . . .	47	+ 3	5.5	+2.2
Barrow . . .	- 7	+ 4	T	0	MAINE. Caribou . . .	24	+ 8	1.5	+ .9	Burns . . .	33	+ 3	.3	-.1
Fairbanks . . .	-10	+ 3	T	- .1	Portland . . .	35	+ 8	1.7	+ .8	Medford . . .	44	+ 7	1.0	+ .2
Juneau . . .	28	- 1	.9	- .7	MD. Baltimore . . .	35	+ 1	1.2	+ .4	Pendleton . . .	46	+10	.4	0
Kodiak . . .	- 2	- 9	T	- .2	MASS. Boston . . .	40	+ 6	1.7	+ .4	Portland . . .	47	+ 5	3.3	+1.8
Nome . . .	- 2	- 9	T	- .2	Chatham . . .	40	-	1.7	-	Salem . . .	46	+ 4	5.0	+3.3
ARIZ. Flagstaff . . .	37	+ 2	0	- .4	MICH. Alpena . . .	21	- 4	.7	+ .3	PA. Allentown . . .	34	+ 2	1.1	+ .3
Phoenix . . .	59	+ 7	0	- .2	Detroit . . .	25	- 4	.9	+ .4	Erie . . .	28	- 1	.7	+ .1
Tucson . . .	57	+ 5	0	- .2	Flint . . .	25	- 1	.3	- .1	Harrisburg . . .	35	+ 2	1.1	+ .5
Winslow . . .	39	+ 6	0	- .1	Grand Rapids . . .	20	- 9	.4	- .1	Philadelphia . . .	37	+ 3	1.2	+ .5
Yuma . . .	60	+ 4	0	- .1	Houghton Lake . . .	18	- 6	.3	- .1	Pittsburgh . . .	28	- 3	.5	- .1
ARK. Fort Smith . . .	42	0	T	- .9	Lansing . . .	21	- 7	.7	+ .2	Scranton . . .	28	- 1	.3	- .3
Little Rock . . .	51	+ 2	.1	- .1	Marquette . . .	19	- 6	.5	0	R.I. Providence . . .	38	+ 6	1.7	+ .9
CALIF. Bakersfield . . .	51	+ 2	.1	- .1	Muskegon . . .	21	- 9	.6	+ .1	S.C. Charleston . . .	46	- 4	1.8	+1.1
Eureka . . .	54	+ 5	2.2	+ .7	S. Ste. Marie . . .	13	- 9	.2	- .3	Columbia . . .	45	- 1	1.8	+1.1
Fresno . . .	47	- 1	.1	- .3	MINN. Duluth . . .	7	- 8	.2	- .1	Greenville . . .	38	- 6	.6	- .1
Los Angeles . . .	61	+ 2	0	- .5	Internat. Falls . . .	- 1	-11	T	- .2	S.D. Aberdeen . . .	7	-13	.3	+ .1
Red Bluff . . .	45	- 2	.5	- .5	Minneapolis . . .	15	- 4	.2	0	Huron . . .	13	- 7	.3	+ .1
San Diego . . .	59	+ 2	0	- .4	Rochester . . .	12	- 7	.1	- .1	Rapid City . . .	28	0	.1	0
San Francisco . . .	49	- 1	.6	- .3	St. Cloud . . .	12	- 5	.1	- .1	Sioux Falls . . .	14	- 8	.2	+ .1
Stockton . . .	47	+ 1	.3	- .3	MISS. Jackson . . .	47	- 2	.3	- .9	TENN. Chattanooga . . .	38	- 4	1.2	-1.1
COLO. Denver . . .	40	+ 8	0	- .1	Meridian . . .	47	- 1	.4	- .8	Knoxville . . .	37	- 5	.4	- .5
Grand Junction . . .	31	+ 2	.2	0	MO. Columbia . . .	32	- 1	.2	- .3	Memphis . . .	43	0	.1	-1.0
Pueblo . . .	37	+ 3	.3	- .5	Kansas City . . .	31	- 6	T	- .4	Nashville . . .	36	- 6	T	-.9
CONN. Bridgeport . . .	37	+ 3	.6	- .5	St. Louis . . .	31	- 4	.2	- .3	TEX. Abilene . . .	49	+ 3	0	- .3
Hartford . . .	33	+ 3	.6	+ .2	Springfield . . .	36	- 1	T	- .5	Amarillo . . .	43	+ 4	0	- .2
D.C. Washington . . .	39	+ 1	.9	+ .1	MONT. Billings . . .	40	+11	T	- .1	Austin . . .	54	+ 1	0	- .6
FLA. Apalachicola . . .	54	- 2	1.8	+1.2	Glasgow . . .	16	- 2	.1	0	Beaumont . . .	54	- 1	0	-1.1
Daytona Beach . . .	54	- 7	.4	-	Great Falls . . .	39	+11	T	- .2	Brownsville . . .	66	+ 3	0	- .4
Ft. Myers . . .	61	- 4	.9	+ .6	Havre . . .	24	+ 2	T	- .1	Corpus Christi . . .	61	+ 1	T	- .5
Jacksonville . . .	50	- 7	1.8	+1.3	Helena . . .	34	+ 9	T	- .1	Dallas . . .	-	+ 3	0	- .1
Key West . . .	67	- 4	.3	- .1	Kalispell . . .	34	+ 8	.8	+ .5	Del Rio . . .	56	+ 3	0	- .1
Lakeland . . .	57	- 6	1.0	+ .6	Miles City . . .	26	+ 2	.2	- .1	El Paso . . .	49	+ 5	0	- .1
Miami . . .	61	- 7	.5	+ .1	Missoula . . .	34	+10	.1	- .1	Fort Worth . . .	50	+ 2	0	- .5
Orlando . . .	57	- 4	.3	- .1	NEBR. Grand Island . . .	25	- 3	.2	+ .1	Galveston . . .	60	+ 2	0	-1.0
Tallahassee . . .	50	- 4	3.4	+2.7	Lincoln . . .	24	- 7	.2	0	Houston . . .	56	+ 2	T	-1.0
Tampa . . .	56	- 6	1.0	+ .6	Norfolk . . .	22	- 4	.2	0	Lubbock . . .	46	+ 4	0	- .1
W. Palm Beach . . .	61	- 7	.4	-	N. Platte . . .	27	- 1	.1	0	Midland . . .	50	+ 4	0	- .1
GA. Atlanta . . .	42	- 3	.9	- .1	Omaha . . .	26	- 2	.3	+ .1	San Angelo . . .	53	+ 5	0	- .2
Augusta . . .	43	- 4	.7	- .1	Valentine . . .	26	0	T	- .1	San Antonio . . .	54	0	0	- .4
Macon . . .	46	- 3	.2	- .7	NEV. Ely . . .	29	+ 2	T	- .1	San Antonio . . .	59	+ 1	T	- .6
Savannah . . .	47	- 5	1.2	+ .6	Las Vegas . . .	49	+ 3	0	- .1	Victoria . . .	51	0	0	- .6
HAWAII. Hilo . . .	73	+ 1	.3	-3.1	Reno . . .	39	+ 9	.1	- .1	Waco . . .	47	+ 2	T	- .3
Honolulu . . .	75	+ 1	.3	- .4	Winnemucca . . .	39	+ 9	.1	- .1	Wichita Falls . . .	47	+ 2	T	- .3
Kahului . . .	73	0	.1	-1.8	N.H. Concord . . .	30	+ 5	1.4	+ .6	UTAH. Blanding . . .	34	+ 3	T	- .3
Lihue . . .	74	+ 1	.5	- .7	N.J. Atlantic City . . .	37	0	1.0	+ .3	Salt Lake City . . .	36	+ 6	.2	- .1
IDAHO. Boise . . .	40	+ 7	.2	- .1	Trenton . . .	37	+ 2	1.0	+ .3	VT. Burlington . . .	28	+ 5	.9	+ .4
Lewiston . . .	43	+ 7	.2	- .1	N.MEX. Albuquerque . . .	38	0	0	- .1	Norfolk . . .	39	0	.9	+ .2
Pocatello . . .	33	+ 5	.1	- .1	Roswell . . .	46	+ 7	0	- .1	Richmond . . .	42	- 1	1.9	+1.3
ILL. Cairo . . .	37	- 3	.2	- .7	N.Y. Albany . . .	25	- 2	.7	+ .1	Roanoke . . .	33	- 7	2.1	+1.4
Chicago . . .	25	- 5	.2	- .3	Binghamton . . .	26	- 1	.1	- .5	WASH. Colville . . .	37	+ 9	1.9	+1.5
Moline . . .	19	- 8	.7	+ .3	Buffalo . . .	25	- 3	.7	0	Omak . . .	34	+ 7	1.8	+1.4
Peoria . . .	22	- 8	.7	+ .2	New York . . .	39	+ 3	1.0	+ .2	Quillayute . . .	44	+ 2	10.3	+6.7
Rockford . . .	20	- 6	.9	+ .5	Rochester . . .	27	- 2	.6	0	Seattle-Tacoma . . .	47	+ 6	3.4	+1.9
Springfield . . .	27	- 5	.3	- .1	Syracuse . . .	28	0	.2	- .5	Spokane . . .	37	+ 6	1.3	+ .8
IND. Evansville . . .	32	- 5	.4	- .3	N.C. Asheville . . .	36	- 4	.3	- .3	Walla Walla . . .	47	+11	.2	- .2
Ft. Wayne . . .	24	- 5	.5	0	Charlotte . . .	38	- 5	.7	- .1	Yakima . . .	41	+ 9	.3	+ .1
Indianapolis . . .	27	- 4	.4	- .2	Greensboro . . .	34	- 6	1.1	+ .4	W.Va. Beckley . . .	28	- 6	.7	- .1
South Bend . . .	24	- 5	.9	+ .4	Hatteras . . .	47	- 2	1.8	+ .8	Charleston . . .	32	- 5	.9	+ .2
IOWA. Burlington . . .	22	- 7	.4	0	Raleigh . . .	38	- 4	1.5	+ .8	Huntington . . .	32	- 6	.4	- .3
Des Moines . . .	21	- 5	.3	0	Wilmington . . .	46	- 2	1.9	+1.2	Parkersburg . . .	31	- 5	.4	- .3
Dubuque . . .	16	- 8	.3	- .1	N.DAK. Bismarck . . .	5	-14	.7	+ .6	WIS. Green Bay . . .	16	- 7	.2	- .1
Sioux City . . .	20	- 6	.2	0	Fargo . . .	6	- 9	.5	+ .4	La Crosse . . .	15	- 8	.1	- .2
KANS. Concordia . . .	28	- 5	.1	- .1	Williston . . .	10	- 7	.2	+ .1	Madison . . .	15	- 8	.1	- .2
Dodge City . . .	39	+ 4	0	- .1	OHIO. Akron-Canton . . .	29	- 3	.4	- .1	Milwaukee . . .	21	- 4	.7	+ .3
Goodland . . .	37	+ 6	T	- .1	Cincinnati . . .	29	- 5	.3	- .4	WYO. Casper . . .	35	+ 7	0	- .1
Topeka . . .	31	- 3	.1	- .2	Cleveland . . .	31	+ 1	.8	+ .2	Cheyenne . . .	37	+ 7	T	- .1
Wichita . . .	33	- 3	T	- .2	Columbus . . .	32	0	.4	- .1	Lander . . .	32	+ 8	0	- .1
KY. Lexington . . .	32	- 4	.4	- .3	Dayton . . .	27	- 4	.3	- .3	Sheridan . . .	34	+ 7	T	- .1
Louisville . . .	33	- 4	.3	- .4	Toledo . . .	23	- 6	.6	+ .2	P.R. San Juan . . .	--	--	--	--

CONDENSED STATE SUMMARIES

The Bulletin capsulizes nationally important weather and crop conditions. Every Monday SRS publishes more detailed data in State Weekly Weather and Crop Bulletins in cooperation with the National Weather Service, NOAA. Voluntary weather observers, crop reporters, and county extension agents contribute weekly observations for these reports.

ALABAMA: Cold beginning of week and again over weekend. Low of 22° at Muscle Shoals and Tuscaloosa Tuesday with high for week 77° Mobile and Dothan Friday. Light snow flurries Sunday northern half. Rainfall late week generally light, ranging from 0.01 in. at Muscle Shoals to 0.70 in. at Tuscaloosa. Less than 5% expected cotton, corn and soybean production still in field. Harvest should be virtually complete by end of year if open weather prevails. Small grains continued to make good growth. Relatively warm temperatures and ample moisture provided favorable conditions for growth of these crops. Hay being fed in increasing amounts on most farms, but supplies of stored feed remain adequate. Winter pastures providing good grazing and stockmen fertilizing.

ARIZONA: Weak cold front crossed State midweek. Light showers, flurries extreme north with light gusty winds, no effect central, south except slight cooling. No other precipitation during week. Temperatures 2° to 7° above normal. Large diurnal variations. Afternoon maximums to 10° above normal, minimums near or slightly above normal.

Cotton harvest rapid progress, favorable weather. First picking generally complete Pima, Yuma Counties. Second picking, scrapping well advanced. Sorghum harvest nearing completion, yields about average. Sugar beet crop progress favorable. Planting small grains continued. Irrigation started Yuma, Cochise areas. Stand establishment satisfactory. Alfalfa fields being pastured. Lettuce harvest Pima, Pinal Counties virtually complete. Harvest other areas Salt River Valley tapering off. Harvest Yuma continued maximum volume. Mixed vegetables good seasonal progress. Red Chili pepper harvest complete Cochise County. Harvest Navel oranges, sweets, tangelos, lemons continued full swing Salt River Valley, few grapefruit. Grapefruit, lemon harvest continued active Yuma. Quality good, sizes relatively small. Range conditions fair statewide. Lower elevation desert ranges very dry, rainfall needed. Existing feed supplies fair. Stockwater supplies adequate. Cattle, calves good. Sheep, lambs on winter pastures fair to good. Lambing active.

ARKANSAS: Mild weather prevailed midweek but cooler weather dominated late week and over weekend. Weekly mean temperatures averaged 4° subnormal to 2° above and ranged from 49° at Texarkana to 36° at Harrison. Daily extremes varied from 78° at Texarkana the 12th to 14° at Calico Rock the 17th. Precipitation light and mostly less than 0.25 in. However, Batesville and Black Rock reported 0.40 in. Precipitation confined to northern half of State.

Harvesting of row crops made fair progress. Cotton picking about 97% complete. Only low lying areas generally remain unharvested. Many fields are being disked. Less than 10% of soybean crop remains unharvested. Many fields boggy and some acreage still under flood water. Pastures excellent. Most producers just started supplementary feeding due to colder weather. Wheat pastures good.

CALIFORNIA: Storms brought precipitation to north Monday and to most of north and central Tuesday through Thursday with light amounts along south coast Thursday. Temperatures near normal most

areas except along south coast where highs in 80's early in week kept averages above normal.

Wet weather delayed fieldwork north half of State. Harvest cotton, corn, milo continued. Planted small grains as weather permitted. Early plantings doing well. Vineyards pruned, fertilized, sprayed. Fruit and nut orchards pruned, sprayed. Persimmon harvest continued. Avocado picking continued, Bacon variety to begin. Dates being harvested. Navel harvest active. Some desert grapefruit not meeting maturity standards. Lemons, fruit quality below normal. Artichokes, brussels sprouts harvest slow, broccoli moderate. Cauliflower production active, good quality. Celery harvest strong south coast, good quality. Carrots continued Kern, Riverside; starting Imperial. Lettuce cutting continued Imperial, Palo Verde; good quality. Cabbage production beginning Imperial, continued south coast. Potato digging continued weather permitting. Tomatoes declined further. Germination range and pasture grasses good result abundance moisture, but cool weather, lack sunshine slowed growth. Supplemental feeding continued. Spring feed prospects good. Livestock good. Calving, lambing virtually complete south and San Joaquin valleys but full swing low elevation north and central valleys. Calf and lamb crops expected normal, no unusual death losses. Stockwater and soil moisture supplies adequate, most streams flowing. Bee colonies continued move into State for pollination, good condition. Production milk, eggs at seasonal levels.

COLORADO: Mild week. Temperatures lower elevations averaged 3° to 8° above normal, mildest in east and south. Precipitation sparse to zero at lower elevations and southern mountains. Central and northern mountains measured 0.50 in. of moisture.

A fast moving Pacific front brought cold air and accompanying strong winds east of the mountains on Wednesday. Denver had gusts of 66 m.p.h. and a report of near 100 m.p.h. Boulder. Wind damage reported in Boulder and also in west Denver. Excellent weather enabled corn and sorghum harvest to move into cleanup stage. Warm weather allowed winter wheat to make growth and help maintain livestock in good condition. Supplemental feeding necessary only in areas of snow cover--primarily high elevations.

FLORIDA: Temperatures much below normal entire period. Frost and freezing temperatures over most of State midweek. Moderate to heavy precipitation amounts falling at beginning and end of period. Soil moisture adequate west, mostly short other areas.

Soybean and cotton harvest about complete. Small grains improved in areas receiving rainfall. Sugar-cane harvest active. Some burn damage to young plants and stubble cane from recent cold. Last of pecans being harvested. Pastures very poor to fair. Cattle and calves fair to good. All vegetable areas had freezing temperatures and white frost December 12. Cucumbers, squash lost in southwest but tomatoes, peppers only set back. Everglades leafy crops suffered some leaf burn from frost but quite variable by crop and location within area. Most Pompano-Ft. Pierce crops came through with

only lowered plant condition. Dade County beans and squash set back with production reduced for next 2 to 3 weeks. Tomatoes had some tender leaf burn and loss of mature fruit but fruit size should improve. Potatoes and strawberries excellent. Citrus tree condition continues very good--no freeze damage from December 12th cold. Light to general frost, rains again 15th and 16th. Soil moisture good shape.

GEORGIA: Temperatures near 3° subnormal north and central and near 8° subnormal south. Rather uniform rains across State early week. Amounts ranging from 0.25 to 0.50 in. north and central and to nearly 1.00 in. along southeast coast. Turned colder again over weekend with additional rainfall as front moved southward.

Soil moisture ranges from short to excessive, mostly adequate. Harvest of cotton, corn, soybeans and pecans continued active. Land preparation and fall seeding slowed by rainfall some areas. Tobacco bed preparation continued. Fertilizer and lime applications for spring crop planting active south. Fuel and nitrogen material short supply some areas. Small grains fair to mostly good. Pastures mostly fair to good. Cattle mostly good.

HAWAII: Improved weather favorable for crop growth. Farm operations back to near normal. Active spray programs because increase of insects and diseases. Supplies of most vegetables adequate. Bananas and papayas plentiful. Most pastures providing adequate forage feed. Cattle fair to good. Harvest of pineapple mainly for fresh fruit. Some light sugar harvest continues.

IDAHO: Mild temperatures prevailed, 5° above normal. Mostly cloudy skies early week replaced by a storm front midweek which moved from north to south and southeast bringing moderate rain to lower elevations and some new snow in mountainous areas.

Livestock feeding, machinery repair, spreading fertilizer main farm activities. Wet fields limited sugar beet harvest and fall plowing southwest. Continued rain north causing mud problems with livestock. Generally statewide livestock good condition with adequate feed.

ILLINOIS: Temperatures 5° below seasonal normals. Week started cold, low 20's north, mid-30's south. Warmed Wednesday, Thursday to 40's north, 50's south. Cold trend 20's north, 30's south Sunday. Precipitation trace Monday, rain changed to snow Wednesday, heavy Thursday north. Snow rest of week. Lake-effect snows extreme northeast averaging 8 in., some areas near Wisconsin border 28 in.

Winter wheat, other small grains, legumes reported good. Ample soil moisture, good fall growth. Fall plowing 1974 corn and soybean acreage about 60% complete, ahead of both last year and average. Recent snow and cold halted plowing most areas. Livestock good, grazing stalk fields. Soil moisture adequate 73%, surplus 27%. Main activities routine chores, livestock care, limited amount plowing, late corn harvesting as weather permitted.

INDIANA: Cold week. Temperatures 2° to 4° subnormal and ranged from 54° early in week to 6° on weekend. Precipitation about 0.50 in. Soil frozen sufficiently for fertilizer application by light equipment. Activities largely limited to caring for livestock and usual chores. Chopping of stalks and plowing where conditions permitted.

IOWA: Temperatures below normal entire week except on 12th, and in southwest on 11th, averaging 3° to 8° below normal. Extremes: 48° in Lamoni on 12th; -6° at Waterloo on 17th. Precipitation about normal, falling mostly as snow late Wednesday, Friday and Saturday totaling 1 to 5 in. Snow now covers entire State. Greatest amount 8 in. near Mason City.

KANSAS: Major storm and high winds northwest winds 65 m.p.h. on the 12th. One to five inches snow on 14th northeast, only significant precipitation. Temperatures 4° to 5° above normal western third, 3° to 4° subnormal northcentral and northeast.

Winter wheat continued to develop slowly, top growth short. Strong winds caused some blowing in a few late seeded fields. Only 5% or less of sorghum, soybeans and corn remains to be harvested. About 10% of fall seeded wheat being pastured, average 15%. Supplemental feeding required in many areas. Wet weather caused some pneumonia problems in calves.

KENTUCKY: Warming trend early week, cooling late week. Averaged around 5° subnormal. Mostly cloudy. Precipitation totaled near 1.00 in. extreme east but less than 0.50 in. elsewhere, mostly rain-showers Thursday followed by light snow late Friday and Saturday.

Burley tobacco price averaged about \$2.50 below previous week, still well above last year and opening prices. Agricultural activity minimal. Fall seeded wheat good condition, nearly dormant with colder temperatures. Pastures supplied some roughage, but supplemental feeding increased.

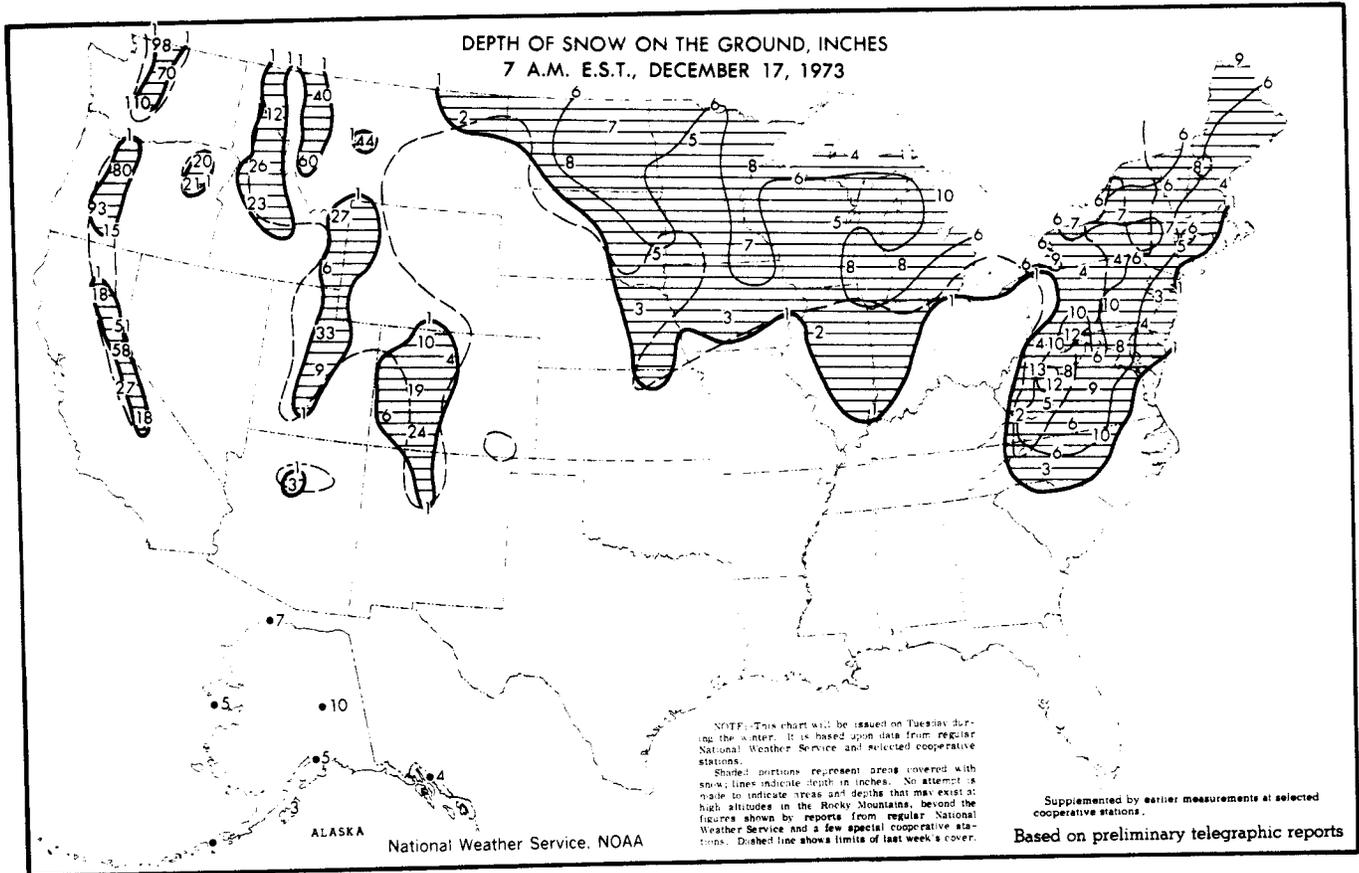
LOUISIANA: Temperatures near normal to 2° subnormal. Extremes: 82° Bunkie Thursday, 21° Monroe Monday. Precipitation amounts ranged mostly less than 0.25 in. Greatest 1-day total, 0.86 in. Boothville Sunday.

Cotton, soybean and sugarcane harvest, cutting stalks and disking were main farm activities. Soil moisture adequate. Days favorable for fieldwork averaged 5.7 days. Cotton 95% picked, 87% last year. Damage to late picked cotton high due to boll rot and adverse weather. Soybeans 95% combined, 87% last year. Harvesting efficiency low, grades also lowered by rains. Sugarcane harvest active, progress slow, 80% cut. Pecan harvest near completion, yields good, quality disappointing. Small grains good. Livestock good, no noticeable weight loss as producers shifting animals to fall seeded pastures.

MARYLAND AND DELAWARE: Temperatures near normal. Highs in 50's to 60's except 70° south. Lows in low 20's except down to 7° in western Maryland. Precipitation over 2 States ranged from 0.50 to 2.50 in. Weekend brought snow with totals 4 in. east of Bay, 7 to 8 in. central and 10 in. western Maryland.

Land preparation for spring crops main field activity. Soil moisture generally adequate but subsoils still dry some central Maryland areas. Winter wheat reported fair to good and barley mostly good at start of winter. Heavy snowfall Sunday made livestock care very difficult but no unusual losses reported.

MICHIGAN: Low pressure moved very slowly eastward over northern Lake Huron Monday. Temperatures generally 4° to 8° subnormal, mostly near normal early week falling to much below normal by late week. Sunday morning minimums were locally zero to 15° below zero over upper peninsula and generally zero to 10° above over northern lower. Over



lower peninsula precipitation generally ranged from 0.30 to 0.60 in. except 0.60 to near 1.00 in. extreme east. Over upper peninsula amounts were 0.50 to 0.90 in. near Lake Superior and 0.10 to 0.50 in. elsewhere. Most precipitation fell as snow over southern lower early in week and again Thursday and Friday.

MINNESOTA: Locally heavy snow, 12 to 36 in., fell along North Shore of Lake Superior between Two Harbors and Silver Bay on 14th and 15th. Elsewhere, light snow fell with new accumulations generally 1 to 4 in. and water content of 0.15 to 0.50 in. Temperatures averaged 4° to 10° subnormal with highs mostly teens and 20's and lows 0° to 15° above. Below 0° temperatures recorded at many locations on 13, 14, and 16. Agriculture interests normal with concentration on energy crisis as this was first week in six that temperatures averaged subnormal.

MISSISSIPPI: Cold, dry weather prevailed. Precipitation almost non-existent. Cold early week followed by warming trend. Temperatures averaged anywhere from 3° to 7° subnormal. Extremes ranged from 18° to 79°. Cooler weather returned to the State on weekend. Shower and thundershower activity preceded return of cold air, breaking week-long dry spell. Snow flurries also north and central Sunday.

Soil moisture mostly adequate. Fieldwork averaged 5.0 days. Cotton harvest 98% complete, 86% in 1972, normal 96%. Soybeans 95% combined, 67% in 1972, 94% normal. Corn harvest 98% complete,

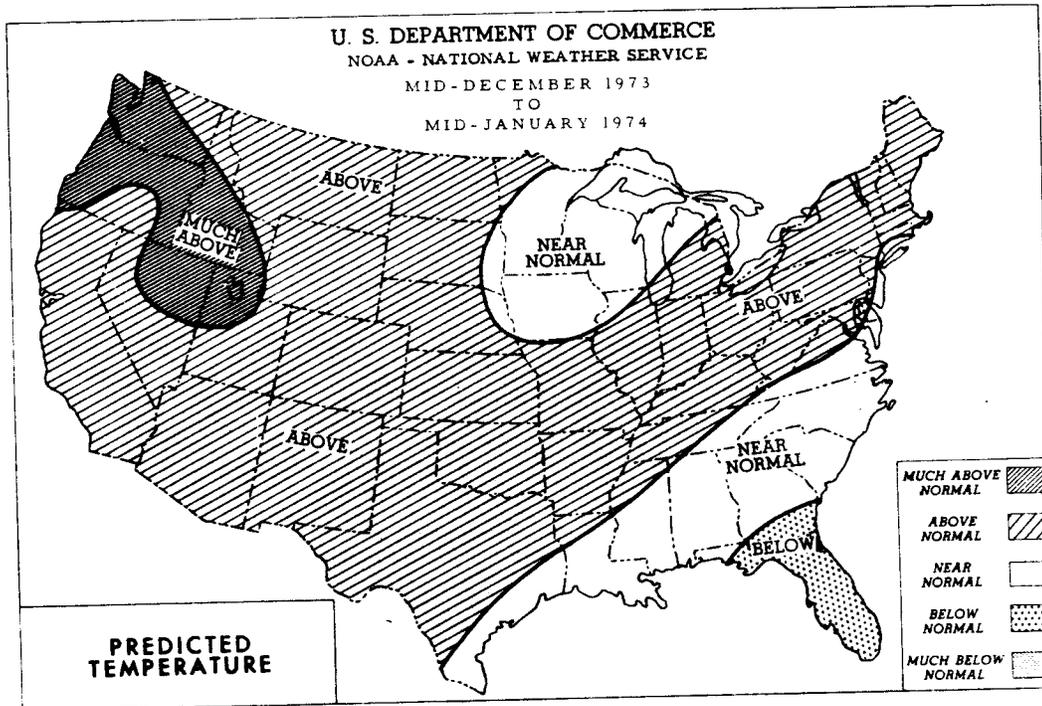
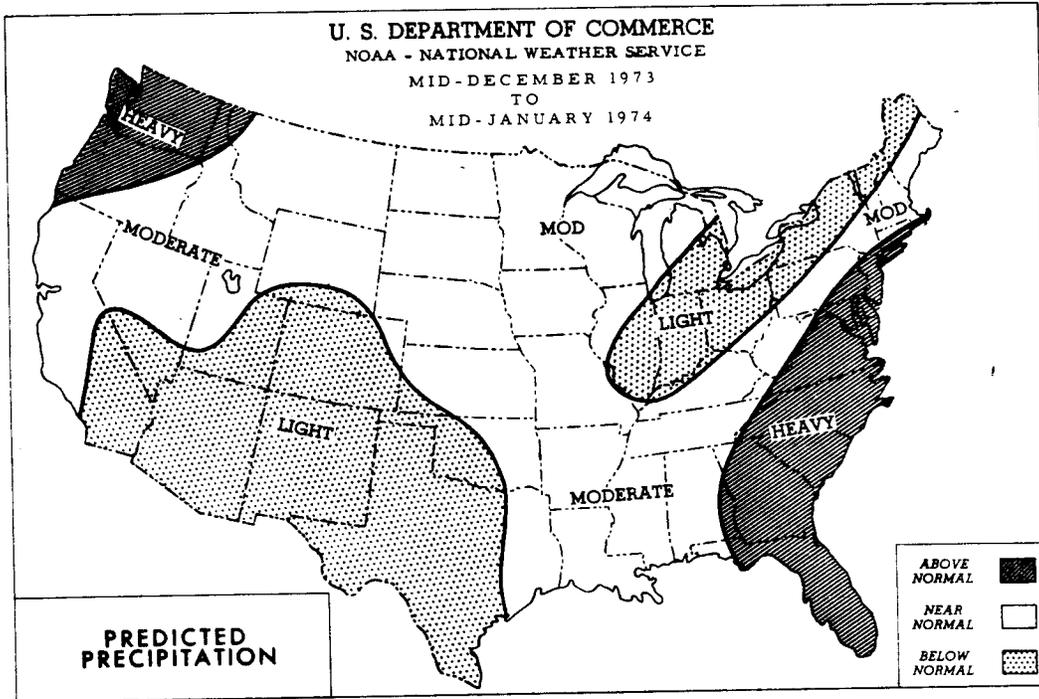
92% in 1972. Pecan harvest 82% complete, 91% in 1972. Hay and roughage supplies adequate. Supply of feed grains short to adequate. Wheat and oats fair to good. Pasture fair to good. Livestock mostly good.

MISSOURI: Temperatures 1° to 3° above normal west in Boothill section to near normal elsewhere. Maximum temperatures in 50's and 60's midweek. Precipitation generally less than 0.05 in. except in northeast where averaged around 0.50 in. Spotty 1 in. snowfalls reported north.

MONTANA: Temperatures near normal northeast, southeast and northcentral to about 10° above normal other divisions. Highest temperatures in 40's and 50's late week except eastern divisions, where beginning of week was slightly warmer. Lowest minimums in 20's west, central and southcentral. Other minimums from near zero to teens. Precipitation subnormal except west and southeast. Up to 0.75 in. fell west. Winter wheat condition fair to good northwest, northcentral and southwest--mostly good other districts. Wind damage to winter wheat none to light all districts. Snow protection on winter wheat poor central, southcentral and southeast; poor to fair other districts. Stockwater supply short northcentral, mostly adequate elsewhere. About 70% cattle and sheep receiving supplemental feed. General condition cattle and sheep mostly good all areas. Grazing mostly open but forage supplies limited in west.

(Continued on Page 9)

AVERAGE MONTHLY WEATHER OUTLOOK



These prognostic charts show the expected categories of average temperature and total precipitation for the period indicated. They are taken from the Weather Service's publication Average Monthly Weather Outlook which contains additional information necessary for complete interpretation.

(Continued from Page 7)

NEBRASKA: Precipitation light with only trace amounts in panhandle. East received near 0.25 in. as 2 to 4 in. snows. Central had lesser amounts. Temperatures warm and above normal over panhandle all week. Readings above normal early week falling to well below normal by week end elsewhere. Coldest readings of season over east quarter by week's end. A limited amount of harvesting occurred. Farmers tried to finish up corn harvest. Corn 95% harvested, 85% 1972, 95% normal, 19% moisture, 19% last week, 22% 1972. Winter wheat continued good, snow supplied moisture and cover. Livestock generally good. Cattle still gleaning stalk fields. Supplemental feeding became more active.

NEVADA: Precipitation varied from none south to 1.30 in. Carson City. Highs ranged 67° Las Vegas to 34° Elko. Lowest 9° at Ely. Cotton harvest Pahump Valley nearing completion. Elsewhere farming activity at minimum except for care and feeding livestock. Cattle and sheep continued good.

NEW ENGLAND: A storm Tuesday dropped 5 to 7 in. of snow in extreme northern Maine and generally light rain fell over eastern New England. However Eastport, Maine collected 0.87 in. Widespread rain or snow began Thursday night becoming mainly rain Friday with heavy rain in Maine. Rumford, Maine got 3.05 in. in 24 hours. Rather mild weather Monday and Tuesday but turned colder by midweek. Caribou, Maine -2° Thursday morning. Colder air pressed down again by week's end and an approaching storm on Sunday offered prospect of important snows for west and north.

NEW JERSEY: Wet week. Weekly precipitation ranged 1.35 in. Trenton to 1.88 in. New Brunswick. Coastal storm over weekend brought up to 6 in. of snow in places like Long Valley and Newton. Severe icing and tree damage reported Long Branch in connection with this storm. Temperature extremes: 53° on 13th; 17° on 17th.

NEW MEXICO: Dry week except for light snows northern mountains Friday. Weather mostly stable and relatively mild with only minor temperature changes. Temperatures averaged near normal north, 4° to 8° warmer than normal south. Snowfall higher elevations. Moisture short, ranges mostly fair.

Supplemental feeding continued. Livestock fair to good. Wheat and rye fair to good. Damage from greenbugs reported in wheat fields. Grain sorghum harvest nearly complete. Cotton harvest over 75% complete, fair to good condition. Pecan harvest proceeding.

NEW YORK: Weather patterns changed abruptly as temperatures near seasonal normal after several weeks above normal. Precipitation moderate to heavy over extreme west and in Hudson and Champlain Valleys. Elsewhere generally light amounts occurred. Light snow or flurries common in favored western and northern areas. Heaviest weekly amounts associated with low pressure which moved across New York Thursday and Friday causing a mixture of precipitation which gradually turned to rain. Very cold statewide over weekend. Lows: Boonville 3°, Massena 5° Saturday and Sunday. A major snowstorm began Sunday except for mixed precipitation in coastal southeast.

NORTH CAROLINA: An intense coastal storm developed Saturday and moved northward. High pressure moved

in Monday and dominated through Thursday. A cold front invaded mountains Thursday and sped eastward reaching coast Thursday night followed by high pressure over State Friday. Temperatures subnormal.

Over 98% all crops harvested. Small grains improved significantly from rain. Pasture conditions up. Soil moisture adequate to surplus. Burley tobacco markets open third week, active demand, quality good. Farmers feeding livestock.

NORTH DAKOTA: Temperatures ranged from high at Dickinson of 49° on the 11th to low of 25° below zero at Bismarck on the 16th, which was a low for the Nation that day. General precipitation near to above normal for State, mainly snow. Snow depths around State generally 5 to 10 in. with whole State covered. Deepest at Bottineau, 10 in. Snow cover over entire State restricting winter grazing. Livestock feeding necessary. Cattle good. Some cattle moving to market. Roughage supplies short some areas.

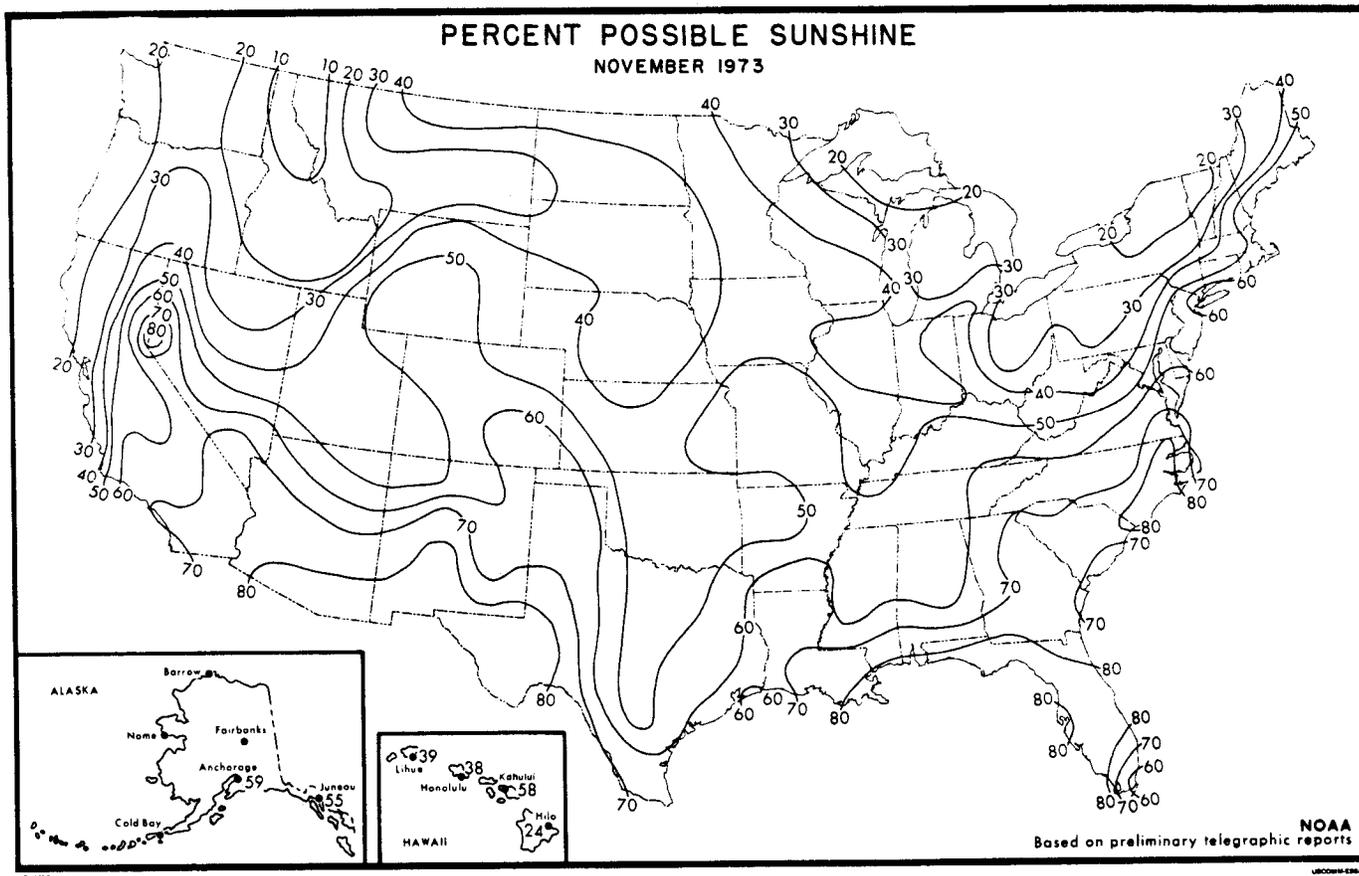
OHIO: Frequent snow flurries on 10th, 11th and 14th to 16th, amounted 1 in. or less. Sections near Lake Erie reported 2 to 3 in. on ground the 16th. Rainfall averaging 0.30 in. or less over State on 13th, with a brief period of freezing rain in extreme northeastern counties. Cold temperatures prevailed throughout most of week except for mild spell 12th and 13th, when temperatures rose into 50's over central and south. Corn harvest continued early part of week on farms not yet done. Farmers repaired and winterized farm buildings, cared for livestock and attended farm auctions.

OKLAHOMA: Temperatures from 3° below normal southeast to 3° above normal several sections. Precipitation very light and confined to north-central, eastcentral and northeast. Weekend cool and mostly dry.

Cotton harvest made good progress last week as pickings exceeded gin capacity several points. Yields reported good to excellent. Harvest of sorghums and corn reaching wind-up stage. Fair progress soybean harvest where fields were not too wet for machines. Pecan harvest active. Wheat made good growth and utilization for grazing increased. Rust and greenbug infestations caused concern but progress slowed down. Pastures and ranges providing good grazing. Open weather keeping supplemental feeding at minimum. Cattle condition high with trading moderately active.

OREGON: Most precipitation late week along coast, Willamette Valley amounts ranged from 2.27 in. Portland airport to 3.70 North Bend. Medford reported 1.23 in. East of Cascades amounts ranged 0.20 to 0.40 in. Redmond least with 0.03 in. Lakeview most with 0.58. Temperatures near normal along coast, Willamette Valley. Elsewhere averaged 3° to 8° above normal. Highs generally in 50's. Brookings, North Bend warmest at 60°. Minimums for week in 30's west, 20's east. Rain minimized fieldwork. Soil at saturation point. Low areas flooding. Farmers attending meetings, building fences, cutting wood, repairing machinery. Livestock feeding normal for mild, wet weather.

PENNSYLVANIA: Rather mild early part of week, turning colder latter half. Maximums 20's and 30's north and west, 30's to 40's southeast. Minimums mostly teens and 20's. Weekly temperatures 1° to 2° above normal southeast, 3° to 6° subnormal north and west. Extremes: 48° and 7°. Precipitation mainly rain Thursday with some snow north and west. Major storm Sunday into Monday with snow all sec-



tions, mixed with sleet and freezing rain south-east corner. Snow cover Monday generally trace to 3 in. west, 3 - 8 in. central and east, locally up to 10 in. Poconos. Farmers attending to winter farm chores.

SOUTH CAROLINA: Temperatures 4° to 5° subnormal over mountains, northwest, northcentral, westcentral. About normal temperatures in central, northeast; while in south, few degrees above normal prevailed. Winter type rainfall fell over much of State. Amounts ranged from 1.00 to 2.00 in. above normal most areas except for near normal rainfall northcentral. Mountains, northwest received least, averaging below normal. Additional rainfall on 13th when strong cold front crossed State from west to east setting off showers, thunderstorms, and 7 tornadoes.

Conditions most of week favorable for harvesting. Soybean harvest continued throughout State. Some cotton still being picked. Peach tree pruning in Piedmont. Seeding tobacco beds in Pee Dee. Harvesting some mixed greens along coast.

SOUTH DAKOTA: Weather conditions generally pleasant over State through Wednesday. Cooling trend with accompanying snow moved in, dropping temperatures below zero. High was 60° above at Spearfish on Wednesday with low of 17° below zero at Brookings and Aberdeen over weekend. Several areas received first measurable snow with accumulations as much as 8 in.

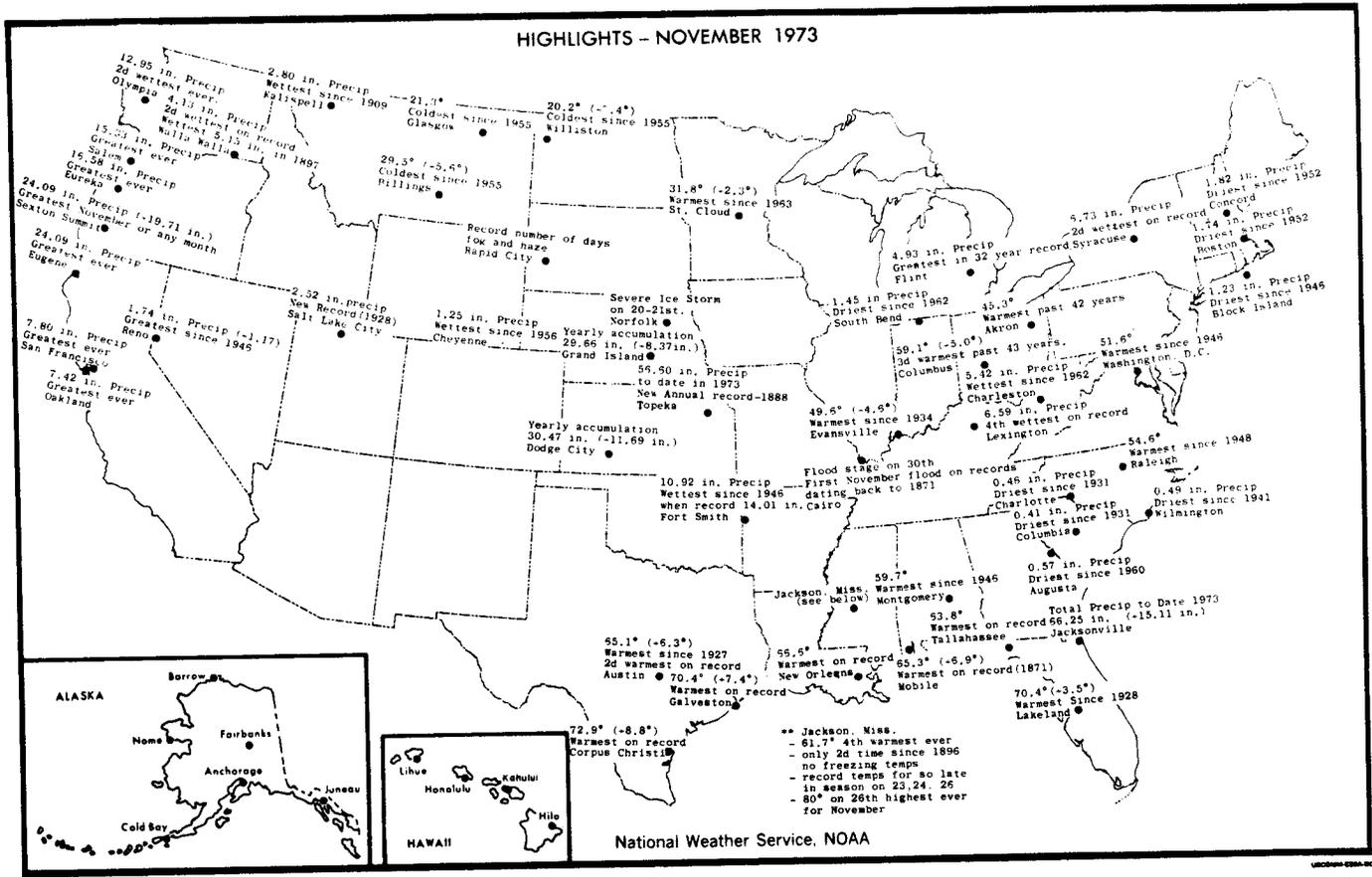
Corn harvest mostly complete, a few fields left mainly south and southeast. Condition of corn in crib good. Sorghum harvest completed, some stubble

fields being grazed. Fall seeded grains good to excellent condition. Most areas have adequate feed supplies, especially if winter not too severe. Hay selling for premium price. Plenty of fuel so far but farmers concerned and price is going up. Livestock generally good, some localized cases of pneumonia and shipping fever in calves. Calf sales slow until after first of year. Caring for livestock main farm work.

TENNESSEE: High pressure dominated weather early week. Cold front moved across State late week preceded by light rain. A few severe thunderstorms occurred east portion. Much colder air spread southward behind front with light snow flurries. Only measurable amounts northeast. Temperatures ranged 2° to 5° subnormal and precipitation amounts ranged around 0.50 in. east to less than 0.25 in. west.

Extended subfreezing temperatures reduced farmwork to caring for livestock and mending fences and machinery. Dormant crops in good condition. Pastures supplying some grazing but supplementary feeding needs increased sharply this week. Over 80% of tobacco production has been sold at auctions.

TEXAS: Fair, dry, highly variable temperatures. Dry cold front edged into high plains and central Wednesday and completed its trip across State Thursday. Gusty west winds behind front stirred up dust and cooled temperatures slightly, while ahead of it, record highs in 80's in central and north. A second cold front carrying very light rain showers moved into north Friday while southerly breezes remainder once again pushed daily highs to record



levels. Northerly winds, cooler and drier air behind second front covered entire State over weekend and spread frost into Lower Rio Grande Valley Monday morning. Wheat, oat seeding complete. Farmers many areas did not seed full intentions--inadequate moisture. Wheat, oat stands suffering moisture stress from high plains to Edwards Plateau. Harvest cotton rapid progress high and low plains despite trailer shortage, gin backlogs. Farmers picking cotton to take advantage excellent harvest weather. Soybean, peanut harvest nearing completion. Major crops percent harvested: Cotton 82, 1972 56, 5-year average 70; peanuts 99, 1972 99; soybeans 90, 1972 91; sorghum 100, 1972 98, 5-year average 98.

Lower Rio Grande Valley: Green pepper and tomato harvest neared completion. Cabbage and lettuce movement slow due to weak market. Carrots made good growth. **San Antonio-Winter Garden:** Cabbage, carrot and lettuce harvest continued. Spinach harvest slow because of dull market. **Laredo:** Early cabbage and carrots being harvested. **Coastal Bend:** Cucumber and squash harvest complete. Some spinach harvested. Most cauliflower, broccoli, and carrots have emerged. **High Plains:** Late carrots still being dug. Pecan harvest rapidly nearing completion on this year's light crop. Citrus harvest continues active with shipments very heavy. Gift fruit peaking. Range condition declined most areas--short moisture. Livestock good to excellent most areas. Supplemental feeding underway many areas. Wheat, oat fields furnishing fair to poor grazing high and low plains. Grazing wheat, oats fair to excellent east, parts of Blacklands. Screwworm cases confirmed each week South Texas but incidence fallen off.

UTAH: Scattered areas light snow in valleys, moderate in mountains northwest late week, otherwise little or no precipitation reported. Temperatures 1° to 6° above normal except 5° to 7° below Uintah Basin.

Utah farmers and ranchers had open roads and easy access to pastures and ranges as very little snow remained. Major agricultural activities included sugar beet processing, hauling hay to live stock, sorting, grading, and marketing of potatoes, dry onions, and apples from storage, care and feeding of cattle and sheep. Processing Utah's largest ever turkey crop will finish about December 29.

VIRGINIA: Temperatures subnormal, high 61° and low 10°. Precipitation above normal statewide occurring at beginning and end of period, much of it as snow. Topsoil moisture 60% adequate, 14% surplus, 26% short--mostly southeast area. Pasture and winter grazing crops mostly good to excellent except southeast. Livestock feeding increased seasonally. Dairy cattle obtained 20% of forage from grazing; beef cattle 60%; and sheep 70%. Burley and dark-fire tobacco market volume heavy. Routine winter chores, including fence mending, orchard pruning, feed grinding active.

WASHINGTON: West: Average temperatures 3° to 6° above normal. Precipitation from under 0.10 to 6.00 in. Strong winds 11th caused power outages, downed trees. Some lowland flooding, and timber damage by winds. Few acres carrots harvested. Pruning blueberries, canberries continued. Begin digging rhubarb crowns for forcing next few weeks. Feed supplies short. Culling dairy herds. Exten-



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sive Christmas tree harvest, shipping winding down. East: Average temperatures 6° to 9° above normal. Precipitation from 0.10 in. to 1.00 in. plus. Little runoff as ground is open. Only minor erosion reported. Sugar beet, grain corn harvest neared completion. Pruning vineyards, orchards active. Planting winter wheat as soils dry. Wheat stands good condition, plants smaller than usual. Livestock good. Some pasturing crop refuse. Many herds on winter feed schedule.

WEST VIRGINIA: Heavy snow mountain sections on 7th and 8th with accumulations of 30 in. at Webster Springs on Monday morning. Light snow and rain showers scattered over State rest of week. Temperatures slightly subnormal except eastern panhandle normal. Maximum 30° to 40° Monday, cooler Tuesday, warmed to 40's and 50's by end of week. Snow flurries on December 15 and 16 but no significant fall with high temperatures in 30's, lows in 20's. Burley tobacco marketing active. Livestock feeding and routine chores major farm activities. Most cattle entering winter in good condition.

WISCONSIN: Cold weather prevailed. Weekly mean temperatures ranged from 7° extreme northwest to

21° southeast, with most areas in the teens. These temperatures mostly 5° to 10° subnormal. Highest 39° at Richland center on Wednesday, lowest 10° below at Land O'Lakes Tuesday. Northwest corner had daily lows at or below zero. Mostly fair weather from Monday through Wednesday. Heavy snow developed southeast on Thursday and light snow over State Friday. Snow depths on Friday ranged from 4 to 7 in. north and also southeast corner, remainder had 1 to 2 in. No precipitation fell most areas Friday afternoon to Sunday. Water equivalent of snow past week was generally 0.10 to 0.20 in. over State except southeast where Milwaukee had 0.67 in. in repeated snowfalls Thursday to Sunday.

WYOMING: Average temperatures as much as 10° above normal. Extremes ranged from 3° below zero Big Piney on 9th up to 62° Sheridan County airport on 10th. With exception of Sundance where 0.16 in. precipitation measured, amounts were all below normal. Only measurable amounts received were Green & Bear drainage, Belle Fourche drainage, and Upper Platte drainage on Wednesday and Thursday. Livestock, ranges and winter wheat good. Mild weather helpful in preserving costly feed supplies. Activities mainly care and feeding livestock.

Standard copy for the Weekly Weather and Crop Bulletin is prepared by: Dr. Richard E. Felch, Agricultural Climatologist; Arlon M. Scott, Agricultural Statistician; John Carlin Ryan, Editor.