

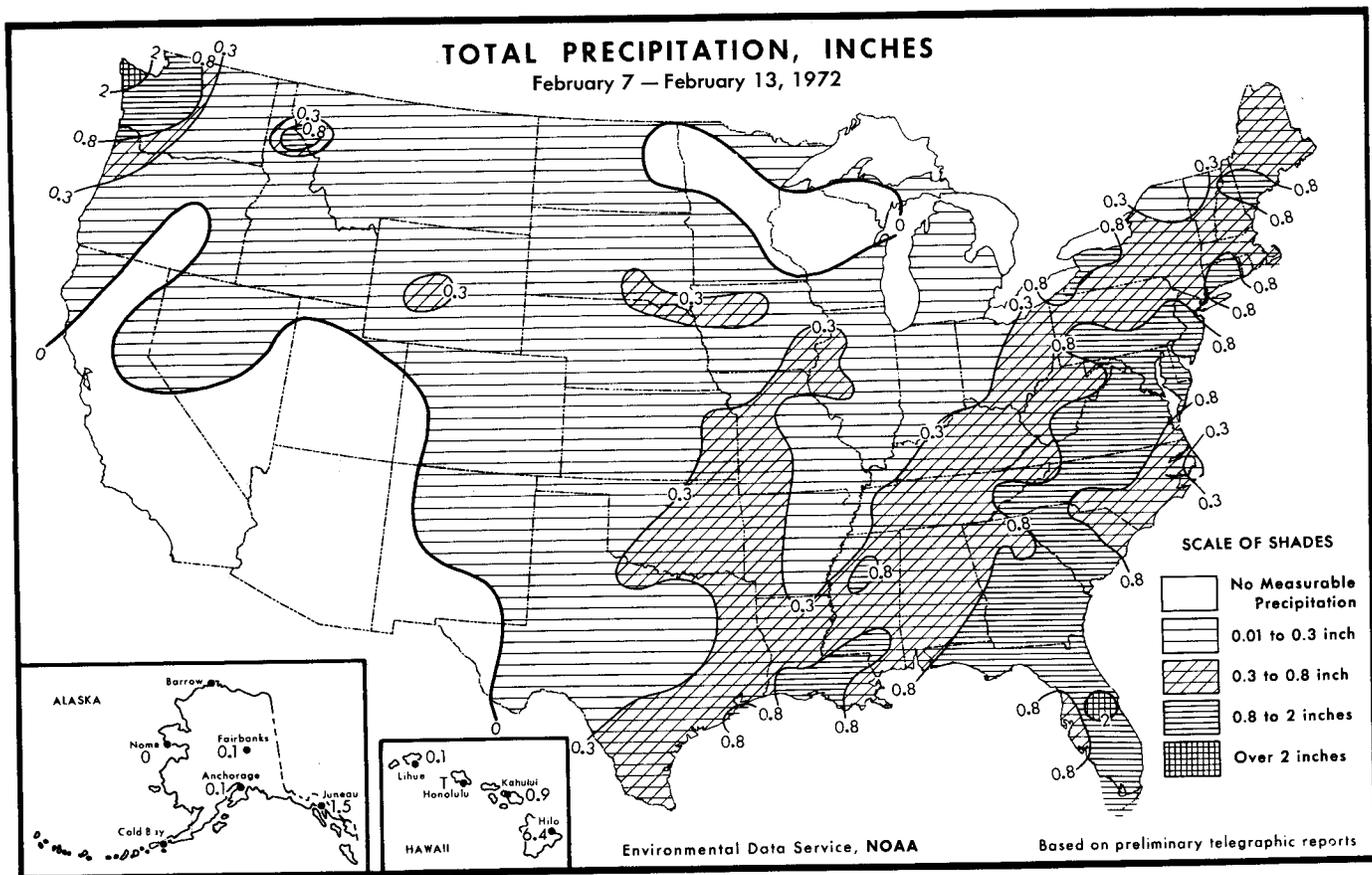
Weekly Weather & Crop Bulletin

U. S. DEPARTMENT OF COMMERCE
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Edited by Lucius W. Dye FEBRUARY 14, 1972 Washington, D. C.



NATIONAL WEATHER SUMMARY

HIGHLIGHTS: Cold weather continued from the Great Plains to the Atlantic Ocean. The West warmed. Generous rains fell over much of the East over the weekend.

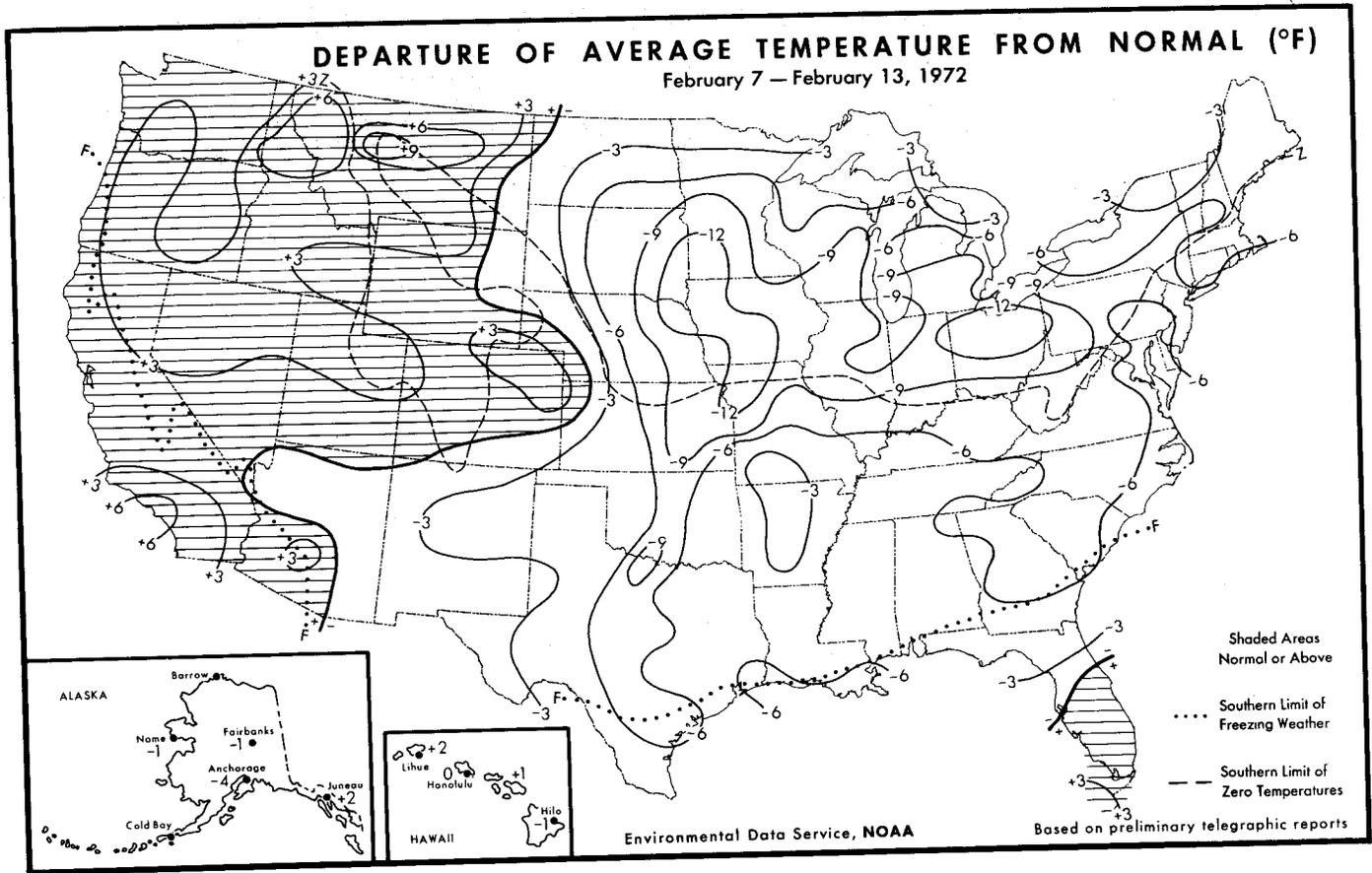
PRECIPITATION: Unpleasant weather prevailed over much of the Nation early in the week. Moderate rains fell along the northern Pacific Coast with light snow in the nearby hills and mountains. Showers and thunderstorms occurred along the Gulf Coast. Snow fell in the southern Appalachians. Icy roads slowed travel from northeastern Pennsylvania to southern New England. Cloudy, damp weather prevailed along a front through the central and southern Atlantic States. Rain fell along the Atlantic Seaboard as far south as northern Florida.

Tuesday's precipitation was sparse except for some rain along the coast in the Far Northwest

with snow in the mountains, light snow from southern South Dakota to western Kansas and eastward to West Virginia, and a few snow flurries in the lee of the Great Lakes. Clearing weather occurred in the South and along the Atlantic Coast.

At midweek, light snow fell in the central Rocky Mountains, and from the northern and central Great Plains to the Ohio River Valley. Intermittent snow caused slippery roads in Illinois late Monday evening.

The rains slackened some after midweek but began again as the weekend approached. A Pacific storm produced rain or drizzle along the Washington and Oregon Coast with snow in the higher Cascades and eastward to the Rocky Mountains. Strong winds blew down the eastern slopes of the Rockies gusting, on Saturday afternoon, to 50 to 65 m.p.h. Livingston, Mont., recorded gusts of 71 m.p.h.



A storm over the East intensified and produced widespread precipitation Saturday and Sunday. Strong winds occurred over much of the East, especially along the Coast. Gusts reached 60 m.p.h. at Cape Hatteras, N.C., and 65 m.p.h. at Newark, N.J. Several inches of snow fell in parts of the Appalachians. Twelve to 14 inches buried Canaan Valley, W. Va., and 9 inches fell at Mt. Washington, N.H. The heavy rains flooded some roads and highways closing them to traffic Sunday afternoon. A large area in the Southwest received no rain. Some localities in the Southwest have received no rain since late in December.

TEMPERATURE: The Far Southwest was fair and pleasantly mild early in the week. Phoenix, Ariz., registered 73° Monday and Tuesday afternoons. Southern Florida was comfortably warm. The mercury at Miami reached 84° Monday and 75° Tuesday. In contrast, bitter cold continued over the northern Great Plains. Portions of North Dakota remained below zero both Monday and Tuesday afternoons. On Monday afternoon, the maximum temperatures ranged from below zero in parts of North Dakota and Minnesota to the 40's in most of Texas. The western edge of the Great Plains

was much warmer than farther east. North Platte, Nebr., warmed to 53° Monday when the mercury at Norfolk, Nebr., climbed to only 12°. Subzero temperatures occurred as far south as Kirksville, Mo., (-2°), Monday morning and to the Ohio River on Tuesday when Cincinnati, Ohio, registered -3°. The mercury plummeted to -2° at Beckley, W. Va., Tuesday. On Tuesday morning, subzero weather occurred in parts of 17 States.

The cold reached the Gulf of Mexico. Beaumont, Tex., recorded 30° and Jackson, Miss., 27°, Wednesday morning. Bitter cold gripped the northern Great Plains. Spencer, Iowa, registered -32° and Sioux Falls, -27°, Wednesday morning.

The cold sunny weather continued over much of the Nation through Wednesday. Thursday was slightly warmer. The warming trend continued Friday and over the weekend.

Temperatures averaged above normal over the Far West, the northern and central Rocky Mountains, and southern Florida and cooler than normal over the rest of the Nation. A large area from eastern South Dakota to northern Missouri and eastward to extreme western Pennsylvania averaged 10° to 15° colder than normal.

L. W. Dye

NATIONAL AGRICULTURAL SUMMARY

AGRICULTURAL HIGHLIGHTS: Late week warming trend eases stress on livestock. * Texas cotton harvest 99 percent complete. * Rains reduce Florida vegetable shipments.

SMALL GRAINS: The 1972 winter wheat crop remains in the dormant stage. The third straight week of below-normal temperatures held small grain growth to a bare minimum in the eastern two-thirds of the Nation. Fall-seeded grains have generally adequate snow cover in the northern half of the Country, but a weekend warming trend lowered the cover in many States. Thus, more areas are vulnerable to winterkill if temperatures turn cold. High winds could also cause blow damage as some fields have loose surface soil.

Warmer weather in the Far West helped growth and germination in California. Grains continue to look good in Oregon, but winterkill is becoming apparent in some southeastern Washington wheat-fields.

Spring oats and barley seedbed preparation was limited to the Deep South. Some fieldwork was done early in the week in Oklahoma, but snow and cold curtailed activities. Kansas farmers have been able to plant only a few fields of oats and spring barley. Farmers around the Country are getting ready to start topdressing small grain acreage with fertilizer once local conditions become satisfactory. Some fertilizer was spread in Kansas and Indiana.

COTTON: Another week of dry weather allowed Texas cotton farmers to put the final touches to this year's crop on the High and Low Plains -- 99 percent is now picked. Cotton was almost a continuous crop in Texas this season -- as growers in the Coastal Bend and Lower Rio Grande Valley areas are nearly ready to start planting the 1972 crop. Arizona growers are also getting set to start as some pre-plant herbicides were applied.

OTHER CROPS: In the South wet fields are holding back fieldwork. However, the weekend warming spell was a sign of spring to farmers in the central section of the Nation. Warm dry weather had California farmers preparing fields for spring planting. Safflower growers were busy planting in both California and Arizona. Fieldwork in Hawaii was temporarily halted by wet fields, but sugarcane and pineapple harvesting is increasing seasonally. Maryland and Virginia tobacco growers continue plant bed preparation and did some seeding.

Fruits and Nuts: Florida citrus remains in good condition. No frost damage occurred. Moisture is plentiful. Showers were also beneficial to Texas citrus. Picking is active with grapefruit moving in good volume. Picking of navel oranges, lemons, and grapefruit was active in Yuma, Arizona. Picking of navel oranges continued in central California. Ice marks have caused the grade-out to be rather high.

Pruning of peach trees in South Carolina is nearly complete. Orchardmen are busy pruning trees in Washington and Oregon. Utah fruit trees appear to have survived the winter in reasonably good shape.

Vegetables: Widespread rain reduced Florida vegetable shipments. Soil moisture is excessive in some central and northern areas. Supplies of cabbage, tomatoes, and celery lead in volume. The first watermelons of the season should be ready for picking in early March in Immokalee. Showers also interrupted vegetable harvesting in the Texas Lower Valley. Vegetables severely damaged by last week's frost are being replanted. Supplies are light from California, but Imperial Valley lettuce continues in good volume. Harvest of mixed winter vegetables is at seasonal volume from Salt River Valley, Arizona. Some vegetables were also harvested in South Carolina -- cabbage plants are in short supply.

PASTURES AND LIVESTOCK: Supplemental feeding of hay and grain continued heavy as cold temperatures continued to dominate the weather from the Great Plains eastward. Milder weekend weather melted much of the snow cover allowing livestock to spend more time out-of-doors and reduced the need for heavy feeding. In the South, cool temperatures slowed growth of winter pastures and little grazing is available. Supplies of "stored" feed are becoming short on many Alabama farms. Some feed shortages are also developing in northern coastal areas of North Carolina.

In the West, warm weather reduced the snow cover and relieved the stress on livestock. The weather was somewhat improved for calving and lambing, but wet snow was hard on newborn calves in Colorado. The hay supply is short on many Montana ranches.

Steve J. Pscodna
Agricultural Statistician

THE 1971-72 SNOWPACK AND SPRING FLOOD POTENTIAL

Snow pack in the mountains of extreme northern Utah and throughout the southwest of Wyoming is much above average for the date. February first measurements range from 140 to 220 percent of average in southwest Wyoming and 140 to 200 percent in northern Utah, Salt Lake City northward. The fall and early winter months have been characterized by alternating warm and cold weather. Rains have occurred in both December and January below 7,000 feet. Watersheds are wet. The Bear River Basin has the highest flood potential for the May melt season of any Basin in Utah or southwest Wyoming. The snow pack in the North Platte Basin in Wyoming is 125 percent of normal.

The snow pack is much above normal over the entire Columbia Basin but is heaviest with respect to normal in the Cascades of Washington,

Eastern Oregon, and southern Idaho. For the Basin as a whole, snow water equivalent is about equal to that which is normally expected on April 1. However, there is ample flood control space available in reservoirs for the main stem of the Columbia River and the Portland-Vancouver area. High flows may occur on many uncontrolled streams, particularly on many low-elevation tributaries of eastern Oregon and southern Idaho where the shortrange picture is complicated by ice jams and freezing ground.

The heavy snow pack in the high Cascades poses little threat to west slope basins but the attendant low-elevation snow could significantly augment runoff with seasonably heavy rain during the next few weeks.

Hydrologic Services Division
National Weather Service

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., FEBRUARY 13, 1972

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	- 5	.4	-.9	New Orleans . . .	50	- 7	.8	-.2	OKLA. Okla. City . .	33	- 7	.4	+ .1
Mobile . . .	51	- 4	.5	-.6	Shreveport . . .	45	- 5	.3	-.8	Tulsa . . .	33	- 7	.4	- 0
Montgomery . . .	45	- 5	.6	-.5	MAINE. Caribou . . .	7	- 4	.4	-.1	OREG. Astoria . . .	44	+ 1	1.7	-.8
ALASKA. Anchorage . .	13	- 4	.1	-.1	Portland . . .	19	- 3	.9	-.1	Burns . . .	29	+ 1	T	-.3
Barrow . . .	-	-	-	-	MD. Baltimore . . .	30	- 6	1.7	+1.0	Medford . . .	44	+ 5	.1	-.5
Fairbanks . . .	- 6	- 1	.1	0	MASS. Boston . . .	27	- 3	.6	-.2	Pendleton . . .	39	+ 3	.2	-.1
Juneau . . .	28	+ 2	1.5	+ .7	Chatham . . .	26	- 1	.3	-.3	Portland . . .	46	+ 5	.3	-.7
Nome . . .	4	- 1	0	-.2	MICH. Alpena . . .	16	- 2	.1	-.3	Salem . . .	46	+ 5	.4	-1.0
ARIZ. Flagstaff . . .	27	- 1	0	-.4	Detroit . . .	18	- 8	T	-.5	PA. Allentown . . .	23	- 6	.9	+ .2
Phoenix . . .	57	+ 4	T	-.2	Flint . . .	12	-10	.1	-.3	Erie . . .	16	- 7	.9	+ .3
Tucson . . .	52	0	0	-.2	Grand Rapids . . .	14	-10	.1	-.3	Harrisburg . . .	27	- 5	.8	+ .2
Winslow . . .	34	- 2	0	-.1	Houghton Lake . . .	11	- 8	T	-.4	Philadelphia . . .	28	- 5	1.1	+ .4
Yuma . . .	59	+ 2	0	-.1	Lansing . . .	14	-10	T	-.5	Pittsburgh . . .	18	-11	1.3	+ .8
ARK. Fort Smith . . .	39	- 4	.5	-.4	Marquette . . .	14	- 5	T	-.4	Scranton . . .	19	- 9	.7	+ .2
Little Rock . . .	42	- 1	.1	-1.0	Muskegon . . .	16	- 9	.1	-.4	R.I. Providence . . .	23	- 6	.7	-.1
CALIF. Bakersfield . .	54	+ 3	0	-.3	S. Ste. Marie . . .	12	- 3	.1	-.3	S.C. Charleston . . .	45	- 6	1.1	+ .3
Eureka . . .	48	0	.2	-1.2	MINN. Duluth . . .	4	- 6	T	-.2	Columbia . . .	42	- 6	.9	0
Fresno . . .	51	+ 1	0	-.6	Internat Falls . . .	3	- 2	T	-.2	Greenville . . .	38	- 7	1.1	+ .1
Los Angeles . . .	63	+ 6	0	-.8	Minneapolis . . .	5	- 9	T	-.2	S. DAK. Aberdeen . .	4	- 9	.1	- 1
Red Bluff . . .	51	+ 2	0	-.9	Rochester . . .	7	- 8	T	-.2	Huron . . .	6	- 9	.2	0
San Diego . . .	60	+ 5	0	-.6	St. Cloud . . .	3	- 9	T	-.2	Rapid City . . .	21	- 2	T	-.1
San Francisco . . .	53	+ 2	.1	-.8	MISS. Jackson . . .	45	- 5	.6	-.6	Sioux Falls . . .	2	-15	.2	0
Stockton . . .	49	+ 1	0	-.6	Meridian . . .	45	- 5	.8	-.5	TENN. Chattanooga . .	36	- 8	.8	-.6
COLO. Denver . . .	32	+ 1	.3	+ .1	MO. Columbia . . .	25	- 8	.3	0	Knoxville . . .	38	- 5	.9	-.3
Grand Junction . . .	34	+ 3	T	-.2	Kansas City . . .	23	-12	.3	-.1	Memphis . . .	39	- 5	.2	-1.0
Pueblo . . .	33	0	1.3	+ .5	St. Louis . . .	27	- 7	.1	-.4	Nashville . . .	37	- 4	.8	-.3
CONN. Bridgeport . . .	25	- 5	1.9	+ .2	Springfield . . .	34	- 2	.4	-.1	TEX. Abilene . . .	41	- 6	.1	-.2
Hartford . . .	22	- 5	.9	+ .4	MONT. Billings . . .	30	+ 5	.2	+ .1	Amarillo . . .	36	- 5	.1	0
D.C. Washington . . .	32	- 5	1.0	+ .4	Glasgow . . .	16	+ 6	.1	0	Austin . . .	48	- 5	.2	-.5
FLA. Apalachicola . .	53	+ 4	1.2	+ .2	Great Falls . . .	19	+ 5	T	-.1	Beaumont . . .	48	- 8	.6	-.5
Pt. Myers . . .	67	+ 2	.3	-.3	Havre . . .	27	+ 5	.2	+ .1	Brownsville . . .	59	- 4	.8	+ .4
Jacksonville . . .	52	+ 5	1.1	+ .4	Helena . . .	37	+ 7	.2	0	Corpus Christi . . .	54	- 6	.6	+ .2
Key West . . .	73	+ 3	1.5	+1.0	Kalispell . . .	19	0	.2	+ .1	Dallas . . .	43	- 5	.2	-.1
Lakeland . . .	61	- 2	1.5	+ .9	Miles City . . .	30	+ 7	.2	0	Del Rio . . .	50	- 5	.1	-.1
Miami . . .	70	+ 2	1.1	+ .7	Missoula . . .	30	+ 7	.2	0	El Paso . . .	47	- 1	0	-.1
Orlando . . .	63	+ 1	2.3	+1.7	NEBR. Grand Island .	18	- 7	T	-.2	Fort Worth . . .	44	- 5	.3	-.3
Tallahassee . . .	51	- 5	2.1	+1.0	Lincoln . . .	19	- 9	T	-.3	Galveston . . .	52	- 4	1.4	+ .5
Tampa . . .	62	0	.4	-.3	Norfolk . . .	10	-12	T	-.2	Houston . . .	48	- 5	.7	-.2
GA. Atlanta . . .	40	- 6	.8	-.3	North Platte . . .	25	- 2	.1	0	Lubbock . . .	39	- 3	.1	-.1
Augusta . . .	43	- 6	1.0	+ .1	Omaha . . .	13	-10	.1	-.1	Midland . . .	42	- 5	T	-.1
Macon . . .	44	- 7	1.4	+ .3	Valentine . . .	16	- 6	.1	0	San Angelo . . .	44	- 6	.1	-.1
Savannah . . .	47	- 6	1.3	+ .4	NEV. Ely . . .	28	+ 2	0	-.2	San Antonio . . .	48	- 7	.3	-.1
HAWAII. Hilo . . .	70	- 1	6.4	+3.2	Las Vegas . . .	47	0	0	-.1	San Antonio . . .	51	- 7	.4	-.2
Honolulu . . .	73	0	T	-.8	Reno . . .	40	+ 5	T	-.3	Victoria . . .	45	- 6	.1	-.5
Kahului . . .	73	+ 1	.9	-.3	Winnemucca . . .	36	+ 5	0	-.3	Waco . . .	37	- 9	.4	0
Lihue . . .	73	+ 2	.1	-1.2	N. H. Concord . . .	15	- 7	.7	+ .1	Wichita Falls . . .	37	+ 1	0	-.3
IDAHO. Boise . . .	37	+ 4	T	-.3	N. J. Atlantic City . .	27	- 6	.9	+ .2	UTAH. Blanding . . .	33	+ 6	T	-.3
Lewiston . . .	41	+ 6	.3	0	Trenton . . .	27	- 6	.9	+ .2	Salt Lake City . . .	37	+ 6	T	-.3
Pocatello . . .	27	+ 1	.1	-.1	N. MEX. Albuquerque . .	35	- 4	.1	0	VT. Burlington . . .	16	- 1	.1	-.4
ILL. Cairo . . .	35	- 5	.4	-.5	Roswell . . .	39	- 2	0	-.1	VA. Lynchburg . . .	33	- 6	2.0	+1.3
Chicago . . .	18	- 9	.1	-.3	N. Y. Albany . . .	17	- 6	.3	-.2	Norfolk . . .	38	- 4	.4	-.4
Moline . . .	14	-10	.5	+ .2	Binghamton . . .	17	- 6	.6	+ .1	Richmond . . .	33	- 7	1.1	+ .4
Peoria . . .	18	- 9	.2	-.2	Buffalo . . .	18	- 5	1.2	+ .5	Roanoke . . .	32	- 7	1.5	+ .8
Rockford . . .	13	-11	.1	-.3	New York . . .	26	- 7	.8	0	WASH. Colville . . .	31	+ 2	.1	-.3
Springfield . . .	21	-10	.3	-.2	Rochester . . .	19	- 5	.9	+ .3	Omak . . .	29	+ 3	T	-.3
IND. Evansville . . .	28	- 8	.2	-.6	Syracuse . . .	20	- 4	.4	-.4	Quillayute . . .	42	+ 2	2.7	-.5
Fort Wayne . . .	16	-12	.1	-.5	N. C. Asheville . . .	35	- 5	.8	0	Seattle-Tacoma . . .	43	+ 3	1.2	+ .1
Indianapolis . . .	21	-10	.1	-.4	Charlotte . . .	37	- 7	.8	-.1	Spokane . . .	31	+ 2	.1	-.4
South Bend . . .	19	- 7	T	-.4	Greensboro . . .	34	- 7	.9	+ .1	Walla Walla . . .	39	+ 2	.3	-.1
IOWA. Burlington . . .	16	-11	.4	+ .1	Hatteras . . .	43	- 3	.3	-.7	Yakima . . .	31	- 2	0	-.2
Des Moines . . .	10	-12	.3	0	Raleigh . . .	36	- 7	1.4	+ .5	W. VA. Beckley . . .	27	- 7	.9	-.1
Dubuque . . .	11	-10	.2	-.2	Wilmington . . .	43	- 5	1.3	+ .5	Charleston . . .	29	- 8	1.2	+ .3
Sioux City . . .	6	-15	.5	+ .3	N. DAK. Bismarck . . .	6	- 6	.1	0	Huntington . . .	29	- 8	1.3	+ .5
KANS. Concordia . . .	22	- 9	.1	-.1	Fargo . . .	3	- 6	T	-.1	Parkersburg . . .	26	- 9	.7	0
Dodge City . . .	30	- 4	T	-.2	Williston . . .	11	0	.2	+ .1	WIS. Green Bay . . .	8	- 9	T	-.3
Goodland . . .	33	+ 3	T	-.1	OHIO. Akron-Canton . .	15	-13	.6	-.5	La Crosse . . .	10	- 8	T	-.3
Topeka . . .	23	- 9	.3	+ .1	Cincinnati . . .	25	- 8	.2	-.5	Madison . . .	9	-10	T	-.3
Wichita . . .	26	- 9	.2	0	Cleveland . . .	17	-12	.6	0	Milwaukee . . .	14	- 8	T	-.3
KY. Lexington . . .	27	- 8	.6	-.2	Columbus . . .	19	-12	.6	0	WYO. Casper . . .	25	0	.2	+ .1
Louisville . . .	29	- 6	.5	-.3	Dalton . . .	20	-10	.2	-.4	Cheyenne . . .	32	+ 5	T	-.1
LA. Baton Rouge . . .	50	- 5	.9	-.1	Dayton . . .	15	-12	T	-.5	Lander . . .	23	0	.4	+ .2
Lake Charles . . .	50	- 6	1.0	-.1	Toledo . . .	15	-12	T	-.5	Sheridan . . .	28	+ 5	.1	-.1
					Youngstown . . .	15	-12	.5	-.1	P. R. San Juan . . .	78	+ 3	.1	-.8

* Departures are from 30-year means (1931-60). Based on preliminary reports

CONDENSED STATE SUMMARIES

These summaries provide brief descriptions of condition and activities important on a national scale. Detailed reports of crop and weather conditions during the growing season are contained in State issues of Weekly Weather and Crop Bulletins published by field offices of the Statistical Reporting Service, U.S.D.A. in cooperation with NOAA Climatologists

ALABAMA: Mostly fair and cold first half of week. Warming trend Thursday through Saturday with general rains Saturday. Cold again Sunday and clearing. Average temperatures below normal for 2d consecutive week. Rainfall light with amounts near 0.50 inch most sections. Wet fields generally limited farm activities to routine chores and livestock care. Few farmers able to turn land several days, but rains late period brought plowing to halt. Soil moisture continues adequate to surplus. Small grains making satisfactory recovery following cold weather. Seeding Irish potatoes continues late spring area. Livestock fair condition as heavy supplemental feeding continues. Supplies stored feed short on many farms.

ARIZONA: No snow. Skies mostly clear with no significant precipitation. Temperatures averaged near normal most of State with freezing temperatures colder sections of Salt River Valley and Yuma area on 4 nights. Small grain planting virtually complete central and southwest. Planting continues southeast. Growth slowed due cold weather. Cleanup operations for cotton continue. Land preparations for 1972 crop continue. Many fields furrowed and pre-plant herbicides applied. Pre-planting irrigation underway. Planting safflower. Plantings making good progress. Fall-planted sugar beets normal growth. Harvest mixed winter vegetables seasonal volume Salt River Valley. Lettuce and mixed vegetable harvest continued Yuma. Planting irrigating cantaloupes continues. Early plantings making good growth. Lettuce planting active Cochise County. Minneola tangelos and Kinnow mandarins being picked Salt River Valley. Few grapefruit being moved. Lemons continued steadily. Harvest sweets nearly complete. Harvest sweets, navels, lemons, and grapefruit continued. Ranges generally fair, soil moisture becomes shorter. Supplemental feeding continues. Stockwater adequate. Livestock remain fair to good.

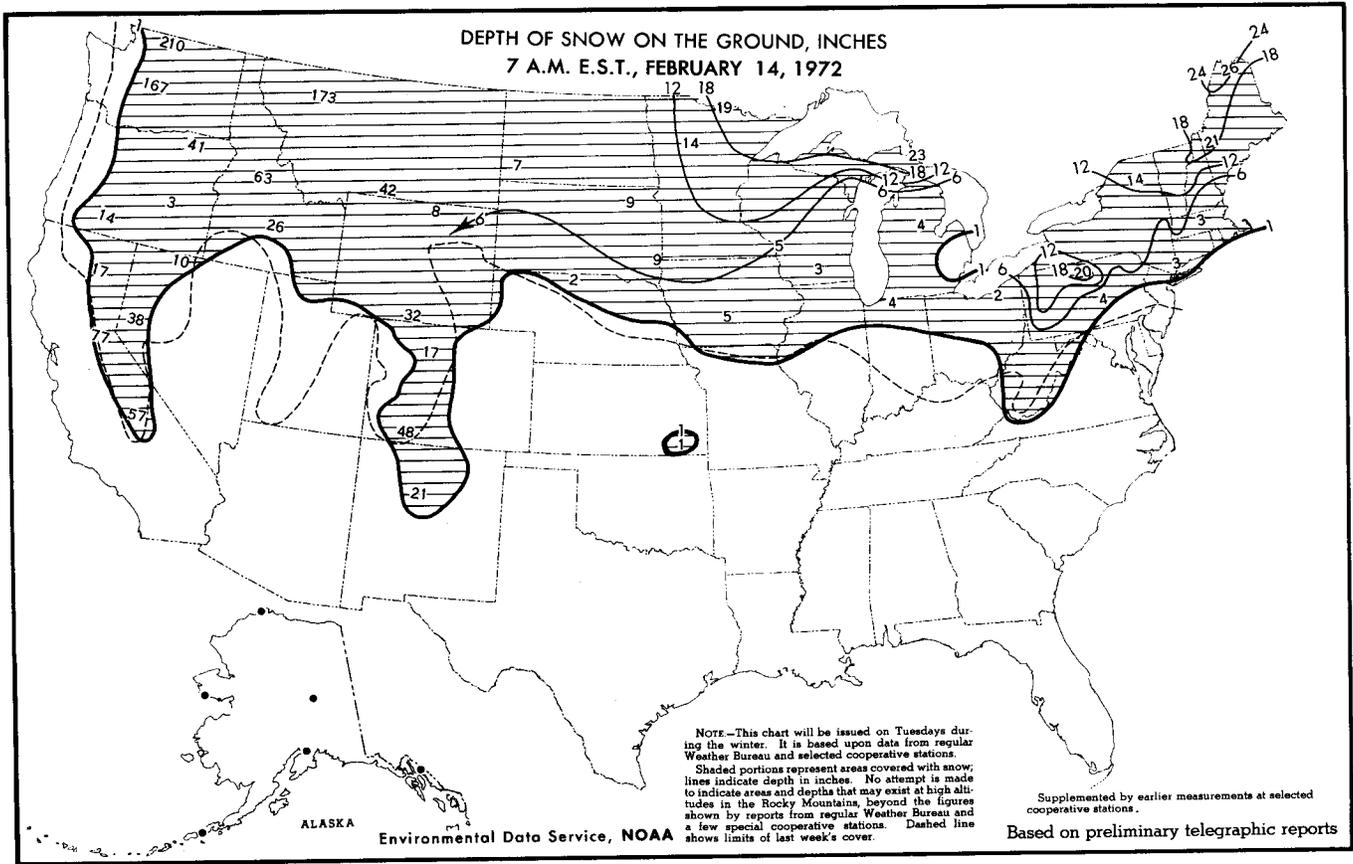
ARKANSAS: Average temperatures ranged from 1° above normal to 5° below normal. Greatest departures in northwest and south-central. Cool 1st of week with slow temperature rise until turning cooler last of week. Highest temperature 67° at Hot Springs and Morrilton on 11th, lowest 14° at Batesville on 8th. Precipitation generally less than 0.50 inch but heaviest amounts fell in west and northwest. Fayetteville reported 0.53 inch, Fort Smith 0.47 inch and Texarkana 0.35 inch with less than 0.10 inch in southeast. Practically no fieldwork. Machinery repair, farm accounts, and livestock and poultry care major activities. Cattle mostly good condition, on full wintering rations. Very little grazing available. Mild temperatures to date favorable for wintering cattle.

CALIFORNIA: Average temperatures above normal first week since middle October most of State. Interior basins still near 4° below normal. All areas 6° to 10° warmer than last week. Light precipitation 5th and 6th except desert, with about 1.00 inch central coast, mountains; 0.10 inch to 0.50 inch central valley, south coast. Warmer weather helped germination, growth small grains. Rains northern half State beneficial.

Dry farmed grain southern half State needs moisture. Safflower planting increased. Field preparation active for spring-planted crops. Winter cultural practices continue. Planting new orchards, vineyards currently active. Early variety almonds starting bloom. Picking navel oranges central California continues steady. Fruit remains good, some graded out ice marks. Coachella Valley harvesting grapefruit continues, some frost damage. Warmer weather benefited range grass growth. Stockwater adequate, but below normal. Supplemental feeding continues. Sheep moving to ranges—San Joaquin Valley. Asparagus light southern California. Artichoke harvest light. Broccoli supplies light Salinas, Santa Maria. Fremont and Santa Maria cauliflower light. Cabbage Imperial and Coachella moderate. Desert Valley carrots active. Celery, Oxnard to decrease slightly, Orange, San Diego to increase. Imperial lettuce continues good volume.

COLORADO: Varying temperature averages mostly above normal. Light to moderate snow 1 to 4 inches in central and northern mountains extending into nearby plains area in north and over most of southeast plains. Little or no precipitation west and extreme northeast. Wet snow most areas improved soil moisture supplies. Surface and subsoil moisture generally adequate, except local areas short. Fall-seeded grains good to excellent condition. Range and pastures fair. Fall-seeded grains still providing forage eastern plains. Supplemental feeding required statewide. Hay and forage supplies short to adequate. Livestock condition generally good. Calving continuing southern areas. Cold and snow hard on newborn calves.

FLORIDA: Cold with moderate to heavy precipitation. Cold frontal passages Monday, 7th and again on weekend combined to keep overcast skies and depressed temperatures. Temperatures averaged 3° to 6° below normal in north and central and near normal in south. Precipitation averaged above 1.00 inch all sections except 0.50 inch in the southwest. Orlando reported the highest rainfall total for week with 2.26 inches. Growth small grains slowed by freezing temperatures although cooler temperatures were generally beneficial. Land preparation for spring seeding interrupted briefly. Soil moisture adequate for pastures. Most pastures fair to good. Growth slowed by cool temperatures. Cattle good with light feeding. Calving active. Citrus condition good. Soil moisture plentiful. No frost or freezing temperatures. New growth and scattered light bloom evident. Total volume vegetables down last week account widespread light to heavy rains. Soil moisture adequate all areas, except excessive some west-central, north-central, and northern districts. Some windburn evident spring crops west-central and Ft. Myers-Immokalee. Cabbage, tomatoes, celery good volume. Seasonal volumes snap beans, escarole, endive, lettuce, and peppers moving. Carrots, eggplant, radishes, squash, strawberries, Chinese cabbage, parsley, and other greens round out supply picture. Potatoes increasing Ft. Myers and other south Florida areas. Watermelons expected from Immokalee early March.



GEORGIA: Rain in south at beginning of period and throughout State weekend. Amounts mostly from 0.50 to 1.50 inches with largest totals extreme north. Cool throughout week with highs in 40's and 50's north and 50's and low 60's south. Lows mostly in 30's and 40's. Averages slightly higher than previous week but still 4° to 7° below normal. Soil moisture excessive entire State. Rains and wet soils further delayed field activity. Small grain pastures and tobacco plant beds fair to good condition. Chilling hours for peaches below normal. Livestock and poultry maintenance major activities.

HAWAII: Weather generally unfavorable. Frequent rain and high winds slowed growth and maturity. Fieldwork temporarily halted by wet fields. Sugarcane and pineapple harvesting increasing seasonally. Vegetable and fruit supplies adequate. Pastures improved from recent rain. Cattle in fair to good condition.

IDAHO: Normal temperatures and below normal precipitation highlighted the weather for week. There were no significant changes in snow depths. Slight warming trend eased pressure in livestock and cattlemen. Muddy feedlot problems returned. Deep snows persist at higher elevation valleys.

ILLINOIS: Cold and snowy but warmer and partly cloudy over weekend. Temperatures averaged several degrees below normal and ranged from -16° in northwest on 9th to 40's in State on 12th. Snow depths increased from 6 inches to 1 foot in northwest on 9th but melted to a few inches over weekend. Precipitation light in central and south and no snow cover. Soil moisture short 15%, adequate 82%, surplus 3%. Winter wheat, other small

grains, and legumes good. Snow cover most central and southern areas protecting crops from cold. Scattered freeze damage, but not severe. Live-stock good throughout State. Cattle grazing stalks some areas, roughage being fed extensively many areas due snow cover. Cold weather causing some calving, farrowing problems.

INDIANA: Week began cold and ended warm. Temperatures averaged 6° below normal and ranged from -10° on 8th at Fort Wayne to +51° at Evansville on 11th. Precipitation generally 0.10 to 0.20 inch. Snow cover of 1 to 8 inches most of week but melting reduced snow to 4 inches near Lake Michigan over weekend. Severe weather reduced farm activities to care of livestock and spreading of fertilizer.

IOWA: Very cold, moderating latter half week. Temperatures averaged 10° to 14° subnormal east; 14° to 18° subnormal west. Coldest 9th with minima to -33° at Cherokee. Moderate precipitation falling as snow first half of week. Snow melt at weekend. Some soil visible in southwest. Elsewhere snow cover mostly 5 to 10 inches deep.

KANSAS: Moderate to heavy precipitation southeast, light to locally moderate northeast. No significant moisture west. Snow cover 1 to 7 inches south and east early on 12th. Warming trend late in week caused rapid melting. Weekly mean temperatures averaged above normal northwest and below seasonal elsewhere. For eastern 2/3 of Kansas, it was 3d consecutive week of very cold weather. Minima locally below zero north on 6th. Maxima in upper 60's west 13th. Cold temperatures limited wheat growth, but crops remained mostly good to excellent. Soil blowing damage to wheat

minor thus far, but some fields vulnerable due to loose surface soil and lack of cover. Some barley winterkill possible due low temperatures. Soil moisture adequate most areas, but topsoils drying locally. Nitrogen topdressing wheat made some progress. Very little oats or spring barley seeded, but some cropland tillage. Cattle on wheat many areas, but supplemental feeding heavy due to storm and light snow cover. Feed grain and hay supplies mostly adequate. Cold and snow caused calving, lambing, and farrowing problems, but death losses moderate.

KENTUCKY: Temperatures much below normal 7th to 10th. Near normal balance averaging 4° to 10° below normal. Some snow, mostly north and east 7th to 9th. Accumulations 1 to 4 inches some areas. Light to heavy rain 12th to 13th. Weekly precipitation totals less than 0.25 inch northwest, 0.50 to 1.30 inches east. Little agricultural activity as winter prevails. Supplemental feeding heavy. Feed supplies ample. Cattle and hog prices favorable.

LOUISIANA: Cool. Temperatures averaged 5° to 7° below normal statewide. Daily highs in 50's and 60's; lows from 20's most areas early in week to 30's and 40's most days. Temperature extremes: 68° Lafayette and Lake Charles Sunday; 21° Cotton Valley Tuesday. General rain statewide Friday and extreme southeast Saturday. Weekly totals less than 0.50 inch north, mostly 0.50 to 1.00 inch south. Fieldwork very limited owing to excessive moisture. Some stalk shredding, topdressing winter pastures and field drainage. Growth winter pastures slowed by recent colder weather. Grazing getting short, most cattle receiving supplemental feed. Livestock generally fair to good condition.

MARYLAND AND DELAWARE: Temperatures, below normal Monday through Friday, but moderating by weekend, averaged 5° to 8° below normal. Second week with below normal temperatures. Extremes: 56°, -1°. Little or no precipitation until weekend when 1.00 to 2.00 inches fell as rain over most of 2-State area except as snowfall, 8 to 18 inches, in Garrett County area. Snow on ground at end of period in Garrett County 10 to 24 inches. Livestock chores, machinery maintenance, and other preparations for 1972 season keeping farmers busy. Scattered attempts to complete 1971 corn and soybean harvest where fields dried or frozen. Tobacco growers continue plant bed preparation and seeding. Orchard pruning and tree care ahead of usual pace.

MICHIGAN: Bitter cold early turning mild as period ended. Temperature averages in Upper Peninsula ranged from 3° to 9° below normal, Lower Peninsula 2° to 5° below north, 7° to 12° below normal south. Greatest departures interior areas. Precipitation totals less 0.10 inch except 0.30 inch Keweenaw Peninsula.

MINNESOTA: Average weekly temperatures generally 15° below normal in southwest to -2° below normal in north. No precipitation except southwest with less than 0.10 inch. Snow depth generally ranges from 6 inches to 24 inches. The northeast district has the greatest, averaging near 24 inches.

MISSISSIPPI: One day with rain; weekly totals in northern 1/3 under 0.60 inch and elsewhere mostly over 1.00 inch. A 2.20-inch amount was measured at Canton on Tuesday. Temperature averages were below normal for 2d week. Extremes: 15° and 72°. Over weekend: Showers on Saturday and Sunday;

amounts under 0.75 inch. Wet weather keeping farmers out of fields while cool temperatures slowed growth pastures. Average 1.4 days suitable fieldwork. Main farm activities caring for livestock, plowing and cutting stalks. Plowing for 1972 crop 13% completed. Wheat and oats mostly fair condition. Livestock and pastures mostly fair.

MISSOURI: A strong surge of cold air pushed across the State early in the week. Temperatures began to moderate by the weekend. Temperatures averaged 5° below normal south and 10° below normal north with light snow, drizzle, sleet or rain almost every day most locations with weekly totals averaging 0.25 inch west to over 1.00 inch southeast.

MONTANA: Mild week with daytime temperatures generally in 30's and 40's. Precipitation varied up to 0.25 inch. Protective snow cover on winter wheat fields reduced, wind damage light. Grazing difficult to closed. Hay and other roughages short many areas, grain and other concentrates adequate supply. Range livestock fair to good condition, death losses about normal. Shrinkage range livestock more than average. Calving, lambing, and shearing 5% complete.

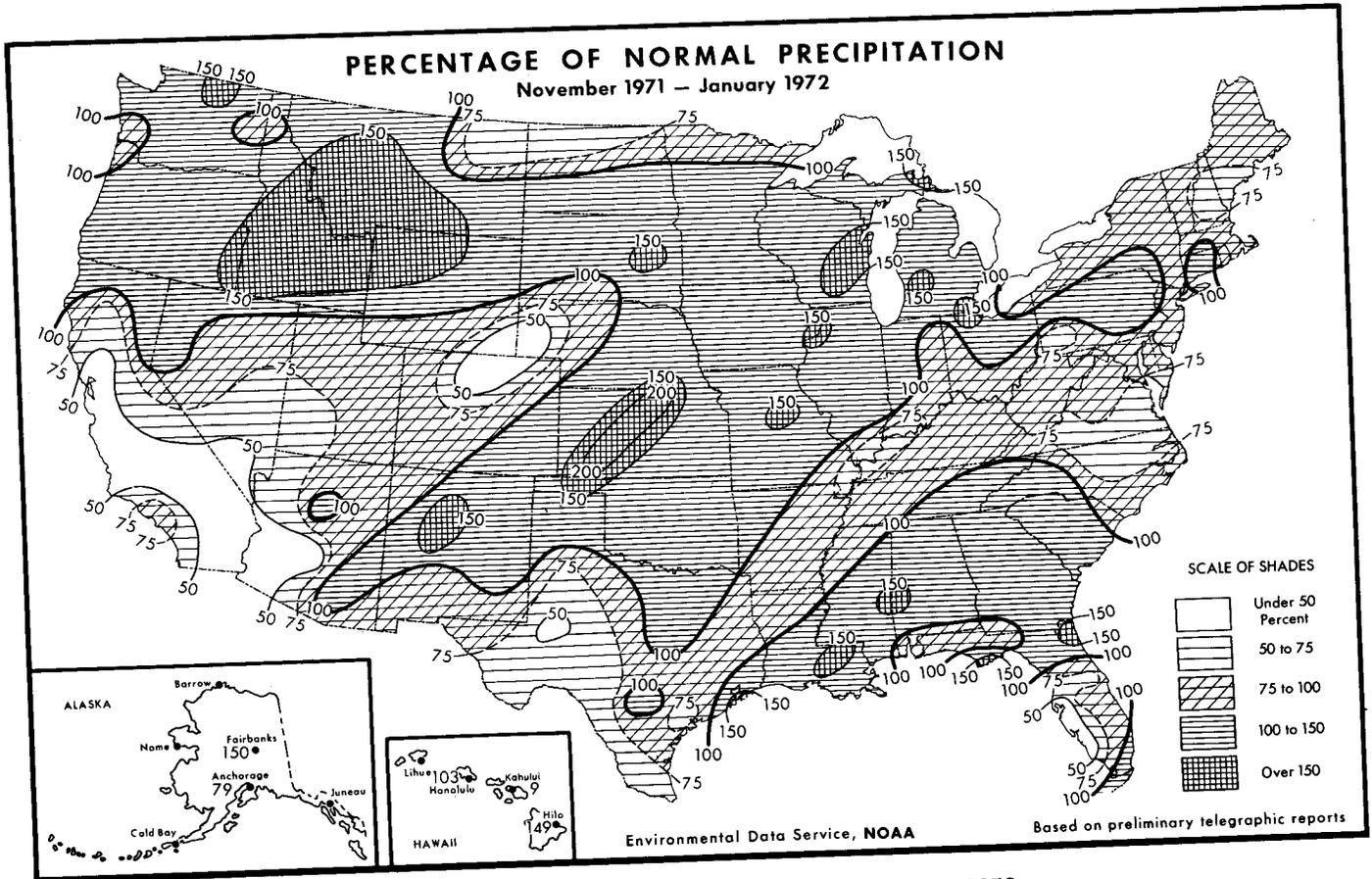
NEBRASKA: Most of week was cold with occasional snow flurries although there were several warm days in Panhandle and southwest. Weather turned fair and warm over weekend. Regular farm chores were principal activity. Cold temperatures required close attention to livestock care. Snowfall provided little moisture for topsoils. Many stalk fields continue to provide good grazing in areas limited snow cover. Lambing and farrowing continue full swing with only normal losses.

NEVADA: Temperatures in north averaged 3° above normal. Near normal in south. Spotty light precipitation, trace to 0.04 inch north, none in south. No snow cover locally. Routine winter chores remain major farm activity. Livestock continue to winter in good condition with supplemental feeding major source of feed. Early calving and lambing underway.

NEW ENGLAND: Cold, sunny, and dry most of week. Warming weekend with storm Sunday. Mean temperatures mostly 1° to 4° below normal. Sunday brought strong winds and heavy rain, but beginning as freezing rain in west and north except as snow at highest elevations in north. Totals variable from 0.05 to 1.50 inches, with the least in northwestern Vermont.

NEW JERSEY: Cold and dry most of week with warming and rainy over weekend. Rain Saturday night through Monday morning averaged 1.40 inches over north, 1.10 inches over central and southern interior, and 0.60 inch along coast. Temperatures averaged below normal through Friday becoming near normal Saturday and above normal Sunday. Extremes ranged from 1° at East Millstone on 8th to 54° at Trenton on 13th.

NEW MEXICO: Light showers north-central and northeast at midweek. Continued dry elsewhere. Fluctuating temperatures averaged near normal much of State but much below normal in Central and extreme southeast. Maximum temperatures mostly on Sunday; minimum temperatures Friday and Saturday. Topsoil moisture short many areas, subsoil adequate. Winter wheat, onions, lettuce good. Ranges livestock fair to good. Land preparation supplemental feeding active.



PRECIPITATION - November 1971 to January 1972

Rainfall during the 3-month period, November 1971 to January 1972, exceeded the normals over the Far Northwest, the northern Rocky Mountains, the central Great Plains, the Great Lakes Region and the Deep South except in Florida and was less than the normals over most other portions of the Nation. Much of southern California, southwestern Arizona, and a small area from Tampa to Ft. Myers, Fla., received less than half the normal rainfall for the 3-month period. The Northwest and the central Great Plains received generous rains in November. In December, the Pacific Northwest and

a large area from the Great Lakes to eastern Texas and the Deep South received more than 4.00 inches of precipitation. Blizzards occurred in the North and thunderstorms in the Deep South in January. Wide areas from California to the middle Mississippi River received little precipitation in January. The middle portion of the Gulf Coast in Florida was sunny and relatively dry in both December and January.

L. W. Dye

NEW YORK: Temperatures much below normal through 11th as weekly averages coldest of winter. Minimums near -15° southwest Plateau and 0 to -10° central and northern interior several days between 8th and 11th. Moderating late week with maximums 35° to 45° on 12th and 13th. Snow flurries daily through Saturday but accumulations very light. Deep low pressure systems affecting State on 13th and 14th. Storm precipitation 0.80 to 1.20 inches western quarter and on Long Island as amounts decreased to 0.50 to 0.70 inch south-central to St. Lawrence Valley and 0.10 to 0.30 inch in northeast. Precipitation mostly as rain mixed with sleet and light snow but yields of up to 12 inches new snow in southwest. No significant change in snow cover from previous week.

NORTH CAROLINA: Temperatures below normal with freezing every night most areas and some lows to

0° mountains. Light rain 7th with some snow mountains. General rains totaling 1.00 to 2.00 inches 12th and 13th. Soil moisture decreased during calendar week, adequate to surplus, mostly adequate. Small grains continued fair to good. Pastures little changed, ranged poor to good, generally fair. Feed grains and hay mostly adequate, some shortages northern coastal area. Cold limited farm activities to mainly feeding livestock, machinery repair, income tax preparation. Farm labor mostly adequate.

NORTH DAKOTA: Continued cold through midweek followed by warming trend and daytime temperatures above freezing on weekend. Temperatures averaged 4° to 10° below normal. Snow near midweek, mostly in west and central. Precipitation none to 0.37 inch, heaviest extreme west. Snow cover 1 to 7 inches. Unseasonably mild temperatures and no storms provided farmers opportunity

to delouse cattle, repair buildings and equipment, haul feed and roughage, market grain and livestock. Very little grazing due snow cover. Livestock good condition and on winter rations. Feed supplies adequate.

OHIO: Maximum and minimum temperatures 10° to 15° below normal 7th to 10th, temperatures more seasonable rest of week. Snow cover most of state. Precipitation light 7th to 11th. Rain mixed with snow on 12th and 13th. 2 to 4 inches accumulation of snow in northeast Ohio. Southeast Ohio had 1.25 inches rain in 24 hours. Snow during week provided cover for fall-seeded crops. Winter wheat in good condition. Freezing rain some areas weekend limited outside farm activity and increased livestock chores.

OKLAHOMA: Precipitation totaled 0.25 inch or more southeast half State and 0.25 inch or less northwest half. Snow Thursday and Friday west, central, and north. Over 4 inches central and northeast. Temperatures averaged near normal Panhandle and 3° to 10° below normal elsewhere. Wheat continues mostly dormant stage, but in good condition and furnishing considerable grazing. Spring oat and barley seedbed preparation limited to southern counties and light soils. Some fieldwork early week, but snow and cold later confined activities to livestock care, routine chores, and recordkeeping. Cattle conditions mostly good, but range feeds continue deteriorate. Cold wet weather increased supplemental feeding. Marketings moderate.

OREGON: Light rain and snow first 2 or 3 days and rain at close with midperiod warming and sunshine melting most east side valley snow. Temperatures averaged 2° to 4° above normal except 2° to 7° below normal east border. Minima 1° to 22° east, 29° to 41° west. Maxima 43° to 65°. Precipitation totaled 0.10 to 0.50 inch except 1.00 inch northern coast. Milder winter weather returned to Oregon past week as freezing rain in Willamette Valley and Columbia Gorge again turned to rain on 5th with moderating temperatures continuing throughout week. Light snow fell in eastern Oregon at first of week but sunny days and warming later in period helped melt most of valley snow cover on east side. Weekly minima on the east side ranged from 1° at Adrian to 22° at Madras. Milder weather allowed some outside work. Caneberry and tree fruit pruning continues. Fall-seeded grain crops look good. Hay supplies adequate at this time.

PENNSYLVANIA: Very cold, dry week until mild on weekend. Only significant precipitation latter half, weekend with heavy rains southeast, mixed rain and snow mountains. New snow of 4 to 6 inches some mountain areas Sunday. Snow cover Monday morning: None southeast, 1 to 6 inches northeast, 2 to 5 inches southwest, 5 to 20 inches central and northern mountains. Total precipitation 1.00 to 1.50 inches southeast and parts of western half, 0.50 to 1.00 inch elsewhere. Weekly temperatures 8° to 12° below normal north and west, 4° to 8° below normal south and east. Extremes: 54°, -20°.

PUERTO RICO: Continued cool and dry with some light showers early in week. Rainfall averaged about 0.50 inch or about 0.20 inch below normal. Highest total 2.00 inches in eastern mountains. No rain in some southern and northwest coastal zones. Crop moisture generally near normal, except too dry parts south where no reserve water storage

in soil. Temperatures averaged 75° on coast and 69° to 70° interior divisions. Highest maximum: 89°, lowest minimum 48° with mean departure of 1.3° below normal. Sugarcane harvesting and grinding operations progressed well, except northeast where showers early week kept sucrose too low. Fall crop needs more rains for optimum development. Coffee plantations report excellent progress cultivating, pruning, fertilizing, seeding, and spraying operations. Tobacco seedbeds developing well and good progress with cutting and drying current crop. Irrigation necessary some northwest zones. Pastures good to excellent. Minor crops good progress fieldwork and good abundance harvesting most crops. More rain needed northwest and southern non-irrigated zones.

SOUTH CAROLINA: Rainfall was light. Less than 0.25 inch most areas. Rain began again as week ended. Temperatures averaged about 7° below normal. Lows were in 20's, highs in 40's. Much needed favorable weather and lower soil moisture condition conducive to increased field activities. Tobacco plants good stands. Peach tree pruning nearly complete. Harvest mixed vegetables most areas, strong market. Shortage cabbage plants.

SOUTH DAKOTA: Weekly temperatures averaged from near normal in west to 13° below normal in southeast. Extremes ranged from -32° on 9th at Flan-dreau to 51° at Fort Meade on 11th. Precipitation fell as widespread snow first half week with amounts ranging from trace to about 0.70 inch. The heaviest amounts fell in southeast where Menno received 0.68 inch of precipitation on 9th and 10th with 10 inches of new snow. Snow cover end of week ranged from 1 to 3 inches in southwest to about 1 to 1 1/2 feet southeast and north. Fall-seeded grains have generally adequate snow cover. Warmer temperatures particularly over weekend eased cold weather strain on livestock. Supplemental feeding continues. No unusual death losses reported. Feeding and caring livestock main farm activities.

TENNESSEE: Little or no rainfall until weekend when light to moderate amounts fell in east half of State and mostly light amounts in west half. Totals ranged from 0.21 inch at Memphis to 1.14 inch at Tricity Airport near Bristol. Temperatures averaged below normal, with slow rising trend over weekend. Clearing and colder late in period. Farm activity consists of feeding livestock, farm maintenance buildings and fences, and farm recordkeeping. Ample hay and forage still available for feeding.

TEXAS: Light to moderate precipitation was general throughout most sections Thursday and Friday with locally heavy amounts of 1.00 inch or more in Coastal Plains east of San Antonio Thursday. Temperatures were near normal. Stalk shredding and plow up full swing High Plains. In southern half State pre-plant preparations near completion. Planting cotton, sorghum will get underway Coastal Bend and Lower Rio Grande Valley when weather permits. Wheat grazing adequate, but growth rate declines, moisture needed on High Plains. Oats recovering slowly from January freeze. Flax making satisfactory growth. Cotton harvest 99% complete. Lower Valley winter vegetable harvest active although interrupted by showers. Cabbage, lettuce moderate to heavy volume. Carrot digging relatively light, but expected to increase late February. Light supplies broccoli, cauliflower, beets, spinach, greens available. Planting, replanting spring

vegetables continues. Some vegetables damaged by frost February 4 now being replanted. Coastal Bend replanting cucumbers, watermelons as many damaged by freeze February 4. Winter Garden carrot digging active. Cabbage volume light. Spinach shipments beginning increase as regrowth fair following early January freeze. Citrus harvest active with good movement grapefruit. Harvest early, midseason oranges nearly complete with picking valencia oranges becoming active. Showers beneficial citrus trees.

UTAH: Few isolated light showers north-central and northern mountain areas. Accumulated amounts of moisture generally less than 0.10 inch. Quite dry south. Zion National Park reports no precipitation since December 28, 1971. Temperatures 1° to 5° below normal north-central and some portions of northern mountains, but near to a little above normal elsewhere. Farmlands lower valleys generally free of snow, except some sections northern Utah. Early spring plowing started some localities. Farm flock lambing started. Care and feeding cattle and sheep on winter ranges, valley farms and feed lots continues major activity, along with care and feeding dairy herds and poultry flocks. Some marketing potatoes, apples and dry onions from storage continues. Fruit trees appear to have survived winter in reasonably good shape, but critical period lies ahead. Fruit farmers pruning orchards. Preparation machinery for spring fieldwork current activity.

VIRGINIA: Temperatures below normal. Heavy precipitation mostly as rain over weekend. Frozen or snow-covered topsoil stopped plowing. Spreading lime and fertilizer, and broadcast clover and grass seed on frozen small grain fields. Additional sites cleared for tobacco plant beds. Pruned fruit trees. Topsoil moisture 1/4 surplus, remainder adequate. Winter grain and grazing crops better condition than last year. Care and feeding livestock intensified with cold.

WASHINGTON: Return of milder winter weather removed much of the snow cover of the previous week. In Western Washington, load limits were imposed on many of the smallest highways to prevent damage as the ground thawed. Freeze damage to small fruits, caneberries, and ornamentals has yet to be determined. Hay and roughage supplies remain adequate although shipments restricted by load limits and highway conditions. Harvest forced rhubarb continues and some caneberry thinning resumed. Routine farm activities returned to Eastern Washington as weather became milder. Pruning grapes and fruit trees increasing. Winter-kill some southeastern wheat stands becoming apparent. Most onion crop moved, but potato movement continues slow. Calving and lambing activities continuing with lower death losses in milder weather. Most crop prospects good, except for bartlett pears in some orchards where buds appear skimpy.

WEST VIRGINIA: Cold week with below normal temperatures. Variable amounts of snowfall February 5, 6, 9 and 13, mostly in northern areas and mountains. Near zero February 8. High 50's, sunny on February 12. Rain late February 12 turned to wet snow northern February 13, but fell as snow higher elevations with depths to 16 inches. Supplemental feeding livestock increased due to advance of winter and prolonged cold weather. Livestock remain good condition. Most farmwork consisted general maintenance and routine chores.

WISCONSIN: Temperatures well below normal for week. Some modification weekend. Temperature extremes: -40° and +35°. No precipitation most areas. Snow cover unchanged from week ago at average depth of 20 inches across north half and 6 inches in south. Livestock generally doing good. Feed supplies ample.

WYOMING: Scattered light snow statewide. Fox-park had the most moisture with 0.38 inch. Temperatures averaged near to a little below normal west of Divide, near to a little above normal east. Maxima were mostly 30° to 40° west of Divide, 25° to low 50's east. Minima were mostly 10 to -23° west of Divide, 8° to -15° east. Temperature extremes were 54° at Carpenter and -23° at Big Piney. Livestock in good condition, feeding continues. Some lambing and shearing underway. Hay supplies short some areas severe winter continues. Supplies other feeds and stockwater adequate.

WATER SUPPLY OUTLOOK FOR THE WESTERN UNITED STATES Issued as of February 1, 1972

The table below shows the most probable February 1 forecasts in percent of the 15-year (1953-67) average. The most probable runoff forecasts are for the residual period, except water-year for the Sacramento and San Joaquin Basins; April 1 to September 30, 1972, for the Missouri, Yellowstone, and North Platte Basins; November 1, 1971, to June 30, 1972, for the Little Colorado Basin; and February 1 to June 30, 1972, for the Gila Basin. The publication "Water Supply Outlook for the Western United States," issued as of February 1, 1972, contains water supply forecasts for about 375 stations in the Western United States.

River	Station	FCST 1,000 A.F.	% 15-yr. Avg.+
Columbia	Grand Coulee, Wash.	86,000	115
Columbia	The Dalles, Oreg.	139,000	117
Snake	Clarkston, Wash.	38,100	128
Sacramento	Red Bluff, Calif.	6,850	78
San Joaquin	Big Creek, Calif.	1,350	106
Weber	Gateway, Utah	525	175
Jordan	Utah Lake, Utah	492	139
Truckee	Utah Lake, Utah	255	77
Colorado	Lake Tahoe to Farad	11,100	133
Green	Lake Powell, inflow	4,650	143
San Juan	Green River, Utah	1,490	126
Little Colo.	Bluff, Utah	7	87
Gila	Woodruff, Ariz.	100	94
Rio Grande	Solomon, Ariz.	490	117
Arkansas	San Marcial, N.Mex.	420	112
Missouri	Pueblo, Colo.	6,300	142
Yellowstone	Ft. Peck, Mont.	9,140	143
North Platte	Sidney, Mont.	853	123
	Glendo, Wyo.		

+ Period, 1953-67

Hydrologic Services Division
National Weather Service



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Questions and comments are invited; please send to Editor in Agricultural Climatology Service Office, address above.

Heating Degree Days (Base 65° F.)

JANUARY 1972

ALA. Birmingham	548	MAINE, Caribou	1759	OKLA. Okla. City	923
Mobile	244	Portland	1322	Tulsa	932
Montgomery	391	MD. Baltimore	841	OREG. Astoria	768
ALASKA, Anchorage	1814	MASS. Boston	985	Burns	1287
Barrow	--	Chatham	835	Medford	891
Fairbanks	2524	MICH. Alpena	1433	Pendleton	955
Juneau	1519	Detroit	1272	Portland	793
Nome	1923	Flint	1502	Salem	882
ARIZ. Flagstaff	1126	Grand Rapids	1365	PA. Allentown	1064
Phoenix	414	Houghton Lake	1502	Erie	1172
Tucson	441	Lansing	1348	Harrisburg	940
Winslow	911	Marquette	1586	Philadelphia	920
Yuma	372	S. Ste. Marie	1582	Pittsburgh	1093
ARK. Fort Smith	804	MINN. Duluth	2012	Scranton	1152
Little Rock	659	Internatl Falls	2195	R. I. Providence	1054
CALIF. Bakersfield	719	Minneapolis	1844	S. C. Charleston	317
Eureka	624	Rochester	1810	Columbia	429
Fresno	--	St. Cloud	1907	Greenville	625
Los Angeles	288	MISS. Jackson	413	S. DAK. Aberdeen	1821
Red Bluff	672	Meridian	418	Huron	1714
Sacramento	--	Vicksburg	--	Rapid City	1473
San Diego	310	MO. Columbia	1129	Sioux Falls	1737
San Francisco	594	Kansas City	1163	TENN. Chattanooga	661
COLO. Denver	1063	St. Louis	1081	Knoxville	692
Grand Junction	1076	Springfield	988	Memphis	698
Pueblo	1081	MONT. Billings	1601	Nashville	713
CONN. Bridgeport	983	Glasgow	1883	TEX. Abilene	651
Hartford	1140	Great Falls	1610	Amarillo	900
D. C. Washington	815	Havre	1916	Austin	434
FLA. Apalachicola	215	Helena	1628	Beaumont	317
Ft. Myers	19	Kalispell	1581	Brownsville	112
Jacksonville	159	Miles City	1735	Corpus Christi	188
Key West	0	Missoula	1371	Dallas	577
Lakeland	71	NEBR. Grand Island	1335	Del Rio	350
Miami	2	Lincoln	1306	El Paso	605
Orlando	51	Norfolk	1481	Fort Worth	619
Pensacola	--	North Platte	1368	Galveston	208
Tallahassee	209	Omaha	1431	Houston	315
Tampa	62	Valentine	1500	Lubbock	728
GA. Atlanta	559	NEV. Ely	1500	Midland	639
Augusta	406	Las Vegas	697	San Angelo	539
Macon	643	Reno	1216	San Antonio	382
Savannah	256	Winnemucca	1151	Victoria	270
IDAHO, Boise	1047	N. H. Concord	1327	Waco	543
Lewiston	997	N. J. Atlantic City	958	Wichita Falls	787
Pocatello	1301	Trenton	909	UTAH, Blanding	--
ILL. Cairo	881	N. MEX. Albuquerque	889	Salt Lake City	1085
Chicago	1311	Roswell	752	VT. Burlington	1357
Moline	1434	N. Y. Albany	1298	VA. Lynchburg	796
Peoria	1402	Binghamton	1243	Norfolk	572
Rockford	1483	Buffalo	1219	Richmond	748
Springfield	1253	New York	945	Roanoke	780
IND. Evansville	1000	Rochester	1200	WASH. Colville	1342
Fort Wayne	1269	Syracuse	1189	Omak	--
Indianapolis	1186	N. C. Asheville	704	Quillayute	903
South Bend	1269	Charlotte	625	Seattle-Tacoma	863
IOWA, Burlington	1403	Greensboro	696	Spokane	1306
Des Moines	1495	Hatteras	379	Walla Walla	949
Dubuque	1594	Raleigh	623	Yakima	1096
Sioux City	1530	Wilmington	404	W. VA. Beckley	916
KANS. Concordia	1229	N. DAK. Bismarck	1868	Charleston	795
Dodge City	1111	Fargo	1931	Huntington	899
Goodland	1140	Williston	1914	Parkersburg	941
Topeka	1216	OHIO. Akron-Canton	1214	WIS. Green Bay	1694
Wichita	1171	Cincinnati	1044	Madison	1616
KY. Lexington	909	Cleveland	1160	Milwaukee	1518
Louisville	914	Columbus	1130	WYO. Casper	1461
LA. Baton Rouge	284	Dayton	1155	Cheyenne	1227
Lake Charles	296	Toledo	1283	Lander	1404
New Orleans	245	Youngstown	1186	Sheridan	1577
Shreveport	499				