

Weekly Weather & Crop Bulletin

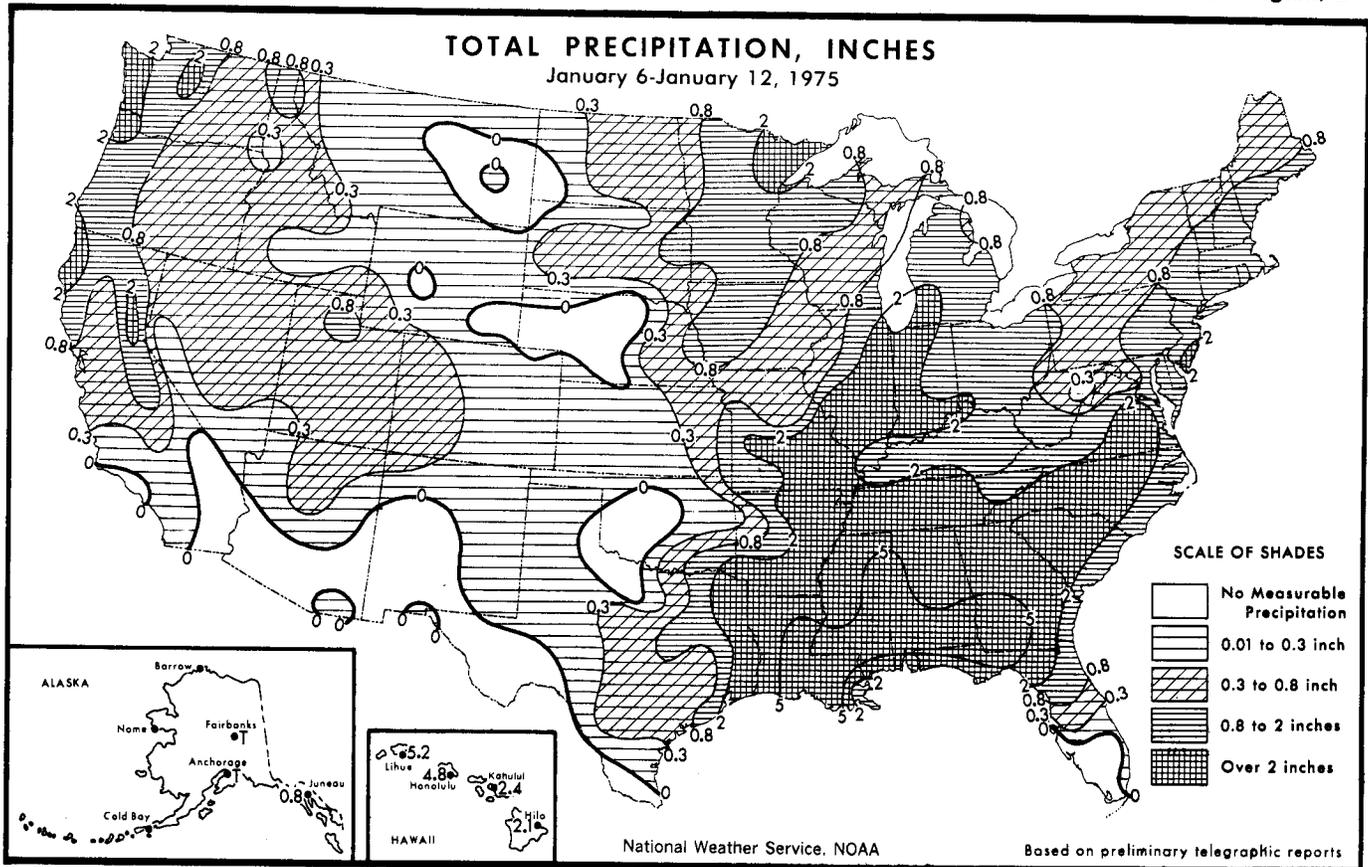
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NATIONAL WEATHER SUMMARY For the Week of January 6-12

HIGHLIGHTS: A weekend blizzard accompanied by savage Arctic winds battered the upper Midwest and north Central Plains causing several deaths and leaving hundreds stranded on impassable roads.

Meanwhile, severe thunderstorms and tornados ripped through the Southern States. The twisters were responsible for many injuries and several deaths in the hardest hit states: Mississippi, Alabama and Louisiana.

Unusually warm air from the Gulf of Mexico, sent temperatures soaring 9 to 17° above normal throughout the Nation's Northeastern Quarter.

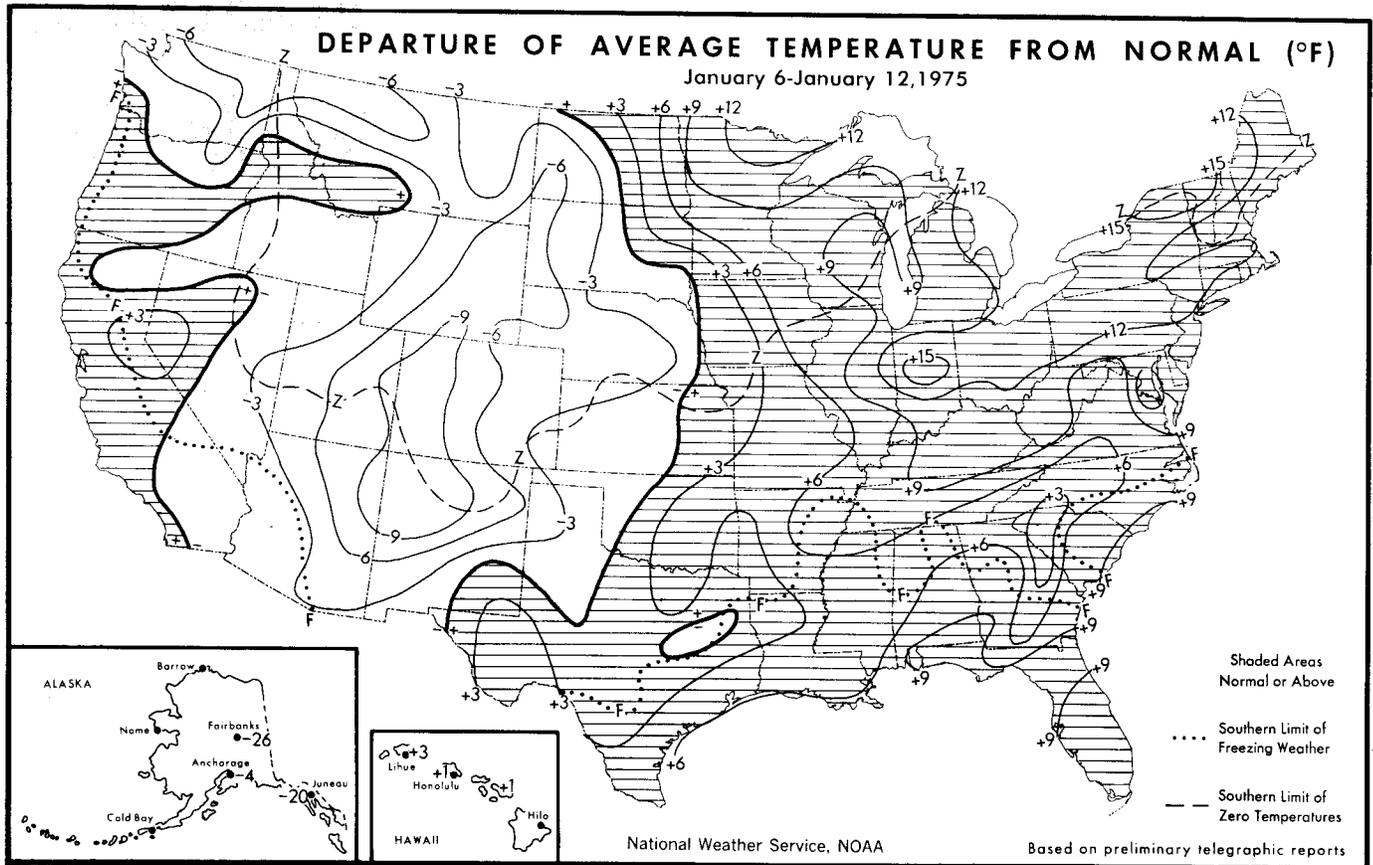
PRECIPITATION: A series of storms triggered precipitation over most of the Nation last week. Early week storms spilled rain across the Pacific Northwest and Southeast, while surrounding the Great Lakes with snow. Later in the week, a deepening low pressure system moving northeastward from the Texas Panhandle through Minnesota

spread moderate to heavy rain over the Central Plains and snow through the North Central States and most of New England.

Monday, heavy rains soaked the Pacific Northwest with Shelter Grove, Calif. reporting nearly 3.25 in. Elsewhere a low off Georgia brought rain to the Atlantic Coast northward to Maryland.

A major winter storm loomed over the Western U.S. on Tuesday. Rain and snow fell over the northern halves of the Plateau and Pacific Coast Region. Meanwhile, thundershowers drenched the lower Mississippi Valley with nearly 2.00 in. of rain reported from MaComb, Miss. and Baton Rouge, La.

Wednesday, gale force winds lashed the Pacific Northwest Coast while locally heavy rains fell in northern California and snow blanketed parts of Nevada, Utah and Montana. Thunderstorms and locally heavy rains deluged sections of the lower Mississippi Valley, the Tennessee Valley and the Gulf Coast States. Hail buffeted central Arkan-



sas and western Tennessee.

A deep low pressure system centered in the southwestern Plains dumped locally heavy snow across the Rockies leaving 10 in. of new snow in the mountains of Colorado and Arizona on Thursday. Elsewhere, a storm off the lower New England Coast triggered rain and snow across the Northeast.

Friday, tornados ripped through the Southeast while a blizzard howled over the upper Midwest. Forty-one tornados were reported through the central Gulf Coast, southern Illinois and southern Indiana. Meanwhile, in only six hours 5 in. of snow fell at St. Cloud, Minn., 4 in. at Sioux City, Iowa and Omaha, Nebr.

By Saturday the low had moved north of Lake Superior and whipped up snow and winds of 50 to 70 mph from the Dakotas to Michigan. Heaviest snow falls were reported from eastern Nebraska and western Iowa into Minnesota.

Sunday, the intense low was deep into Canada but strong circulation around it kicked-up snow from the eastern Dakotas to Michigan. Rain and thunderstorms occurred from the Carolinas and middle Atlantic States to the central Gulf Coast.

TEMPERATURE: Warm air ahead of the week's major storm fronts pushed temperatures to well above normal in the east while cool air invaded the Nation's Western half. Temperatures averaged as much as 17° above normal in Burlington, Vt.

Monday, a high pressure system over the southern Rockies and southern Plains kept skies clear and temperatures cold. Alamosa, Colo. reported the coldest reading for the Nation with 20° below.

Evening temperatures in the 70's hovered over south Florida and Texas on Wednesday. The 50's reached as far north as the middle Mississippi Valley and Lower Ohio Valley while colder air seeped southward into the Plains of western Texas.

Thursday, fair skies and frigid Arctic air dropped midday temperatures below zero in northern Montana with Harve, reporting 5° below zero. In contrast, warm air surged northward into the central U.S. pushing temperatures into the 50's and 60's in parts of Kansas and Missouri.

Record high temperatures were set in numerous cities throughout Wisconsin, Ohio, Kentucky, Illinois, Indiana and Michigan. Some record highs included: Lexington, Ky. 64°; Cincinnati, Ohio, 61°; and Indianapolis, Ind., 62°.

Saturday, unseasonably warm air set high temperatures records in many cities. Some records included: Harrisburg, Pa., 68°; Richmond, Va., 72°; and Syracuse, N.Y. 63°.

By midnight Sunday below freezing temperatures engulfed all the Texas Coast and below zero readings prevailed over the upper Mississippi Valley into northern Minnesota. While plummeting 11° below normal in Albuquerque, N.M.

NATIONAL AGRICULTURAL SUMMARY

For the Week of January 6-12

HIGHLIGHTS: Rain and wet field conditions stalled harvest of the remaining field crops in most areas. Strong winds and blizzard conditions covered much of the western North Central States causing huge snow drifts and power shortages in many areas and difficulties in feeding and caring for livestock. Temperatures dropped below freezing in most of the Lower Rio Grande Valley on the morning of the 13th, damaging vegetable crops and fruit.

SMALL GRAINS: Rain and above normal temperatures over the Eastern half of the Nation kept small grains in good condition and allowed good growth in the Southeast. Cooler temperatures continued in the Southern Plains and Western States where most small grains are still dormant.

Winter wheat continues in good condition in most major States. In southern Texas, the wheat crop continues to make good growth, while in northern Texas along with Oklahoma, the crop was dormant from the cold weather. In Kansas, wheat was in good condition, but some stands were thin. Snow will be some aid in the dry north central area of the State.

High winds and blizzard conditions hit the eastern portions of Nebraska and much of South Dakota leaving a much needed snowcover on most wheat fields. High winds also caused light to moderate damage in Montana and Wyoming. The protective snowcover was mostly poor in Montana, while wheat fields in the eastern plains of Colorado and much of Wyoming need moisture.

Warmer weather and rain helped small grains in California and snow added to winter protection on annually cropped fields in eastern Washington.

COTTON: Rain and wet field conditions slowed cotton picking in the remaining States. The Texas cotton harvest neared completion with 96% harvested, slightly behind the 97% last year, but continues much ahead of the average 88% picked. Cotton harvest was within a few days of completion on the High Plains, while in the Low Plains a week to 10 days of favorable weather was needed. Harvest in Mississippi was plagued by excessive moisture in many areas. The crop was 94% harvested, normally 99% has been picked. In Oklahoma, 75% of the harvest was complete, although still hampered by wet soils. Cotton harvest in Arkansas was nearing completion, while in New Mexico harvest was virtually complete.

In Arizona, cotton scrapping was active and in California, shredding and discing cotton fields was progressing.

OTHER CROPS: Corn harvest continued to be delayed by soft fields and wet weather in Illinois, Indiana, and Michigan.

Soybean harvest was hampered by wet weather and muddy fields too soft for heavy machinery in Indiana, Kentucky, and Tennessee while in Oklahoma, nearly 90% of the soybeans were combined. Only a few fields remain for harvest in Arkansas and South Carolina.

Tobacco stripping continued in Maryland and Kentucky farmers were busy finishing up. Kentucky sales volume and quality were declining and some

markets were closed by the end of the period. Tobacco bed preparation continues in Georgia and South Carolina.

Cooler temperatures slowed sugarbeet growth in Arizona, and planting continues active in California. Sugarcane harvest in Florida continues at a steady pace.

Light harvest of winter potatoes was underway in Florida. Potato movement from Idaho farms was light because of weather and market conditions.

FRUITS AND NUTS: Navel orange packers in California continue slower operations, assessing freeze damage in the Sacramento and San Joaquin Valleys. Some fruit will be lost but most will be salvaged for by-products. Citrus damage in the southern areas was slight from high winds. Harvests of tangerines, lemons, grapefruit and Navel oranges were seasonally active in California.

Citrus harvest was heavy in Texas. Cool temperatures on the morning of the 13th did some freeze damage.

Citrus trees and fruit were in excellent condition in Florida. Light rain was favorable and irrigation has stopped. Orange harvest was very active but grapefruit harvest was slow.

Fruit tree pruning was active in States on both Coasts.

VEGETABLES: Unseasonably warm weather continued over Florida's vegetable growing areas. Shipments of most vegetables were at seasonal levels as harvest progresses on cabbage, celery, sweet corn and peppers. Lettuce, escarole and radishes were moving steadily.

Major harvest activity in the Texas, Lower Rio Grande Valley centered around cabbage, carrots and other vegetables with lettuce harvest particularly active. Temperatures dropped below freezing by the morning of the 13th over most of the Valley and into the upper teens at the western end of the Valley. Full extent of damage was unknown, but peppers and tomatoes appeared frozen, also melons in Starr County. Freeze damage in the Winter Garden area was believed to be minimal. Spinach harvest continues Coastal Bend and spring vegetable land was being prepared. Watermelon planting was underway.

PASTURES AND LIVESTOCK: Heavy snow and blizzard conditions in the western North Central States caused some livestock deaths and straying, but it was still too early to assess as most farms and ranches were still buried in deep snow drifts. The storm also made feed and roughage supplies difficult to reach. Supplemental feeding was increasing in most Southern States as pastures and fields were too wet for grazing and cold temperatures stopped wheat growth and overgrazing was a problem in northern Texas and Oklahoma. Feed supplies were becoming short in many areas due to overstocking. Ranges in New Mexico were fair and generally frozen. In northern California snow and blizzard conditions hampered feeding and caused losses to newborn livestock in the ice and subzero weather. Rain and snow also made care and feeding livestock more difficult in Utah. Heavy feeding continuing in Oregon and Washington.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., Jan. 12, 1975

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 . . .	50	+ 6	3.0	+1.9	La. Baton Rouge . . .	56	+ 5	7.1	+6.1	Youngstown	39	+13	1.4	+ .7
Mobile	60	+ 9	2.4	+1.3	Lake Charles	57	+ 5	3.7	+2.8	OKLA. Okla. City . . .	39	+ 3	T	- .2
Montgomery	55	+ 8	4.6	+3.7	New Orleans	58	+ 5	2.0	+1.0	Tulsa	40	+ 4	T	- .3
ALASKA, Anchorage . .	4	-15	T	- .2	Shreveport	48	+ 1	2.4	+1.5	OREG. Astoria	42	+ 2	3.1	+ .9
Barrow	---	---	---	---	MAINE, Caribou	21	+10	.4	- .1	Burns	25	+ 1	.7	+ .3
Fairbanks	39	-26	T	- .1	Portland	33	+11	1.1	+ .3	Medford	37	+ 1	1.0	+ .2
Juneau	3	-20	.8	- .1	MD, Baltimore	44	+11	1.1	+ .4	Pendleton	27	- 4	.6	+ .2
Kodiak	---	---	---	---	MASS. Boston	41	+12	2.5	+1.7	Portland	38	0	2.1	+ .7
Nome	---	---	---	---	Chatham	42	-11	1.6	---	Salem	40	+ 2	1.1	- .5
ARIZ. Flagstaff	23	- 4	.7	+ .3	MICH. Alpena	31	+13	.6	+ .2	PA. Allentown	40	+12	1.7	+1.0
Phoenix	50	- 1	T	- .2	Detroit	35	+10	1.7	+1.3	Erie	39	+14	.4	- .2
Tucson	46	- 4	T	- .2	Flint	35	+12	1.6	+1.2	Harrisburg	40	+10	1.7	+1.1
Winslow	25	- 7	.2	+ .1	Grand Rapids	32	+ 9	2.4	+1.9	Philadelphia	44	+11	1.3	+ .7
Yuma	53	- 2	0	- .1	Houghton Lake	29	+11	1.0	+ .6	Pittsburgh	41	+13	.6	0
ARK. Fort Smith	40	+ 2	.2	- .3	Lansing	34	+11	1.5	+1.0	Scranton	40	+14	1.3	+ .8
Little Rock	45	+ 6	2.0	+1.1	Marquette	27	+ 8	.5	+ .2	R. I. Providence	40	+11	1.9	+1.1
CALIF. Bakersfield . . .	49	+ 2	.1	- .1	Muskegon	33	+ 9	1.6	+1.0	S. C. Charleston	57	+ 9	1.9	+1.2
Eureka	47	0	2.1	+ .4	S. Ste. Marie	26	+11	1.2	+ .8	Columbia	52	+ 7	2.1	+1.3
Fresno	46	+ 1	.7	+ .3	MINN. Duluth	19	+10	2.3	+2.0	Greenville	45	+ 3	3.2	+2.3
Los Angeles	56	0	0	- .6	Internat'l Falls	16	+14	1.9	+1.7	S. D. Aberdeen	14	+ 5	.3	+ .2
Red Bluff	44	0	.4	- .6	Minneapolis	20	+ 8	1.6	+1.4	Huron	14	+ 2	.8	+ .7
San Diego	56	+ 1	.1	- .3	Rochester	20	+ 7	1.1	+1.0	Rapid City	16	- 6	.4	+ .3
San Francisco	50	+ 2	.8	- .3	St. Cloud	17	+ 8	1.4	+1.3	Sioux Falls	13	- 1	.6	+ .5
Stockton	46	+ 2	.6	- .1	MISS. Jackson	52	+ 5	2.5	+1.5	TENN. Chattanooga . . .	44	+ 4	2.3	+ .4
COLO. Denver	24	- 6	- 1	0	Meridian	51	+ 4	5.2	+4.2	Knoxville	46	+ 6	1.4	+ .4
Grand Junction	16	-10	.4	+ .3	MO. Columbia	33	+ 4	.6	+ .2	Memphis	47	+ 7	2.7	+1.6
Pueblo	27	- 3	T	- .1	Kansas City	29	+ 2	.9	+ .6	Nashville	47	+ 9	3.1	+2.0
CONN. Bridgeport	41	+11	1.6	+1.0	St. Louis	36	+ 5	2.5	+2.1	TEX. Abilene	45	+ 2	.5	+ .3
Hartford	37	+12	1.6	+ .8	Springfield	36	+ 4	1.0	+ .6	Amarillo	33	- 3	.1	0
D. C. Washington	48	+13	.8	+ .2	MONT. Billings	18	- 3	.2	+ .1	Austin	51	+ 2	.6	+ .2
FLA. Apalachicola	62	+ 9	2.9	+2.3	Glasgow	8	- 1	T	- .1	Beaumont	56	+ 4	3.5	+2.4
Daytona Beach	67	+ 9	2.7	+ .3	Great Falls	14	- 6	.1	- .1	Brownsville	64	+ 4	T	- .3
Ft. Myers	71	+ 8	0	- .4	Havre	7	- 4	T	- .1	Corpus Christi	61	+ 5	.2	- .1
Jacksonville	64	+10	1.5	+ .9	Helena	17	0	T	- .1	Del Rio	53	+ 3	T	- .1
Key West	77	+ 7	T	- .4	Kalispell	13	- 6	T	- .4	El Paso	42	- 1	.1	0
Lakeland	68	+ 7	.5	0	Miles City	13	- 2	.1	0	Fort Worth	48	+ 4	.2	- .2
Miami	75	+ 8	.2	- .3	Missoula	19	- 1	.3	0	Galveston	60	+ 6	2.1	+1.4
Orlando	68	+ 8	.3	- .2	NEBR. Grand Island . . .	17	- 5	.5	+ .4	Houston	56	+ 4	.7	- .1
Tallahassee	60	+ 8	6.2	+5.4	Lincoln	19	- 3	.8	+ .7	Lubbock	38	- 1	T	- .1
Tampa	69	+ 9	T	- .5	Norfolk	17	- 2	.3	+ .2	Midland	46	+ 3	T	- .1
W. Palm Beach	72	+ 6	.3	- .3	N. Platte	19	- 4	T	- .1	San Angelo	46	0	.1	0
GA. Atlanta	49	+ 7	3.4	+2.4	Omaha	21	+ 1	1.1	+1.0	San Antonio	52	+ 2	.7	+ .3
Augusta	47	+ 2	2.5	+1.7	Valentine	18	- 2	T	- .1	Victoria	58	+ 5	.3	- .1
Macon	54	+ 7	4.1	+3.3	NEV. Ely	20	- 3	.5	+ .4	Waco	47	0	.9	+ .5
Savannah	58	+ 8	1.2	+ .5	Las Vegas	43	- 1	T	- .1	Wichita Falls	43	+ 2	T	- .2
HAWAII, Hilo	71	0	2.1	+ .1	Reno	36	+ 5	.3	0	UTAH, Blanding	19	- 8	.5	+ .2
Honolulu	74	+ 1	4.8	+3.7	Winnemucca	27	0	.7	+ .5	Salt Lake City	25	- 2	.9	+ .6
Kahului	73	+ 1	2.4	+1.6	N. H. Concord	31	+10	1.1	+ .5	VT. Burlington	34	+17	.4	0
Lihue	74	+ 3	5.2	+3.7	N. J. Atlantic City	43	+10	2.2	+1.4	VA. Lynchburg	42	+ 6	1.5	+ .9
IDAHO, Boise	27	- 1	.3	- .1	Trenton	44	+12	1.6	+1.0	Norfolk	50	+ 9	1.2	+ .4
Lewiston	31	+ 1	.1	- .2	N. MEX. Albuquerque . . .	24	-11	T	- .1	Richmond	46	+ 9	2.9	+2.3
Pocatello	20	- 2	.2	- .1	N. Y. Albany	39	+ 2	T	- .1	Roanoke	41	+ 5	1.2	+ .6
ILL. Cairo	43	+ 7	1.5	+ .6	Binghamton	34	+12	.8	+ .2	WASH. Colville	17	- 6	.6	+ .1
Chicago	33	+ 9	2.7	+2.3	Buffalo	39	+15	.4	- .2	Omak	15	- 7	.5	+ .1
Moline	29	+ 8	.4	0	New York	44	+12	1.2	+ .6	Quillayute	37	- 1	4.9	+1.5
Peoria	33	+ 9	1.6	+1.2	Rochester	38	+14	.4	- .1	Seattle-Tacoma	35	- 3	1.8	+ .5
Rockford	23	+ 3	1.3	+ .9	Syracuse	37	+13	.6	0	Spokane	18	- 7	.8	+ .2
Springfield	36	+ 9	2.9	+2.5	N. C. Asheville	43	+ 5	2.3	+1.5	Walla Walla	33	0	.6	+ .1
IND. Evansville	40	+ 8	1.6	+ .8	Charlotte	45	+ 3	3.6	+2.8	Yakima	25	- 1	.4	+ .1
Ft. Wayne	37	+12	1.2	+ .6	Greensboro	43	+ 5	3.0	+2.3	W. Va. Beckley	41	+10	1.3	+ .5
Indianapolis	43	+15	1.9	+1.2	Hatteras	53	+ 7	1.2	+ .2	Charleston	48	+14	1.6	+ .8
South Bend	36	+12	2.8	+2.2	Raleigh	46	+ 6	2.2	+1.5	Huntington	44	+10	1.3	+ .6
IOWA, Burlington	30	+ 7	.4	0	Wilmington	56	+10	1.9	+1.2	Parkersburg	43	+10	.6	- .1
Des Moines	22	+ 3	.8	+ .5	N. DAK. Bismarck	5	- 3	.4	+ .3	WIS. Green Bay	28	+12	.7	+ .4
Dubuque	24	+ 6	.5	+ .1	Fargo	15	+ 9	.4	+ .3	La Crosse	23	+ 7	.6	+ .4
Sioux City	17	- 1	.8	+ .7	Williston	4	- 4	T	- .1	Madison	26	+ 9	.6	+ .3
KANS. Concordia	26	0	.3	+ .2	OHIO, Akron-Canton	41	+14	1.6	+1.0	Milwaukee	29	+10	1.5	+1.1
Dodge City	29	- 1	.1	0	Cincinnati	39	+ 8	2.0	+1.2	WYO. Casper	15	- 8	.1	0
Goodland	23	- 4	.1	0	Cleveland	40	+13	1.1	+ .5	Cheyenne	21	- 5	T	- .1
Topeka	28	+ 1	.6	+ .4	Columbus	40	+12	1.7	+1.1	Lander	15	- 4	T	- .1
Wichita	30	- 1	.1	- .1	Dayton	40	+12	1.5	+ .9	Sheridan	17	- 4	T	- .1
KY, Lexington	43	+10	1.5	+ .6	Toledo	37	+12	1.3	+ .8	P. R. San Juan	76	0	.2	- .7
Louisville	44	+11	1.9	+1.1										

Based on 1941-70 Normals

STATE SUMMARIES OF WEATHER AND AGRICULTURE

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: Wet with mild temperatures most of the week. Most sections received 3.00 to 4.00 in. of rainfall, with heaviest accumulations exceeding 6.00 in. over parts of southwest. Severe weather frequented many areas on 10th and again over the southeast on 12th. Arctic air moving into northwest on 12th produced 2 to 4 in. of snow.

Farm activities were care and feeding livestock. Limited amount soil testing, liming and cutting stalks. Small grain made good growth. Soil moisture mostly surplus. Pasture and feed supplies short to adequate. Livestock mostly fair condition.

ARIZONA: Cold front 8th, precipitation most of south except southwest. Rainfall ranged from less than 0.10 in. south central, southeast to 1.00 in. central mountains. Snowfall from 1 in. to more than one foot, higher elevations. Temperatures near normal early, well below weekend.

Cotton scrapping active. Sorghum harvest about complete. Sugarbeets growth slowed. Early planted small grains central, western areas good progress. Alfalfa hay slow. Lettuce, cabbage, broccoli harvest Yuma County. Vegetables later harvest good progress. Mixed vegetable harvesting, Salt River Valley with limited picking Navel, sweet oranges, lemons, tangelos. Harvest oranges, lemons, grapefruit Yuma. Cattle, calf condition good. Sheep pasturing, fall lambs and calves making excellent progress.

ARKANSAS: Temperatures mild beginning of week, colder weekend. Mean temperatures 2 to 9° above normal. Means ranged from 42° to 50°. Extremes 13 and 70°. First of week dry, wet last of week. Totals greater than 1.00 in. Greatest total 2.80 in. Weekend snow southern half 1 to 4 in.

Very little field work accomplished, some cotton and few soybeans remain for harvest. Snow and cold temperatures slowed harvest end of week. Livestock almost out of winter pasture, about normal for date. Producers feeding mostly hay and supplements.

CALIFORNIA: Storms brought precipitation to northern, central mountain areas, with over 4 in. portions of Sierra Nevada. Light amounts central valley areas, also south coast 6th and 8th. Low temperatures mid-20's to low 30's some low valley areas. Averages slightly above normal.

Warmer weather, recent rains beneficial small grain. Top dressing, weed control increasing. Planting sugarbeets, alfalfa continues active. Shredding, discing cotton fields. Normal seasonal work, pruning, spraying, fertilizing, vine tying. Nurseries digging fruit nut trees. Navel orange packers continue slower operations assessing freeze damage Sacramento, San Joaquin Valleys. Damage estimates this area range from 20 to 30% remaining crop. Some fruit lost but most salvaged for by-products. Slight Citrus damage south from high winds. Harvest tangerines, lemons, grapefruit Navel oranges seasonally active. Broccoli cauliflower light, celery slightly heavier good quality south coast. Lettuce light Imperial Valley, winter potatoes continue Kern County. Rain improved grass prospects, cool weather retards growth, creating grass shortages. All areas report necessary supplemental feeding. Warming trends implement grass

growth where soil moisture adequate, more moisture needed to continue optimum growth. Lambing, calving continues, no unusual death losses except from predators. Snow, blizzard conditions hampered feeding, losses new born livestock ice, subzero weather, north. Feedlots continue curtail operations, market conditions poor, feed costs high. Rain created poor pen conditions.

COLORADO: Cold fronts 5th, 7th and 9th produced very snowy, windy period mountains and west. Western mountain valleys received 4 to 12 in. snow. Over 200 avalanches caused by heavy mountain snowfall, 40 in. some locations. Snow scattered and light near normal temperatures eastern plains. West cold temperatures prevailed averaging 5 to 10° below normal.

Generally seasonal weather limited farm work feeding and care livestock. Condition winter wheat fair to good. Livestock generally good condition. Winter wheat, ranges and pastures need moisture eastern plains.

FLORIDA: Temperatures averaged above normal and well above normal central and south. Rainfall was heavy, panhandle and north, but generally light central and south.

Soil moisture mostly adequate for field crops. Dry in central, some southern counties. Sugarcane harvest active, harvest other crops complete. Small grains good progress. Land preparation spring planting underway. Temporary pastures growing well, overall grazing conditions seasonally normal. Supplemental feeding active. Cattle, calves in fair to good condition. Ranchers increasing attention to brood herds as calving season advances. Citrus trees, fruit excellent, light rains favorable, trees remain dormant, irrigation stopped. Orange harvest very active, grapefruit harvest slow. Unseasonably warm weather continued over vegetable growing areas. Shipments of most vegetables at seasonal levels. Harvest active cabbage, celery, sweet corn, peppers. Lettuce, escarole, radishes moving steady volume. Light harvest winter potatoes underway. Other crops moving in good supply. Yield, quality mostly good all vegetables.

GEORGIA: Temperatures near normal. Precipitation near 1.00 in. north, 1.75 in. south. Cold and wet north, warm with severe thunderstorms south and central on 11th and 12th. Tornadoes southwest on 12th.

Soil moisture excessive. Little activity due to wet weather. Harvest of corn, cotton, soybeans and pecans virtually complete. Tobacco bed preparation continues. Condition of small grains good. Pastures and cattle fair to good condition.

HAWAII: Continuous cool and windy. Localized heavy rains up to 15.00 in. fell in east on 7th and 8th.

Progress of crops slow. Vegetable supply declining but adequate. Banana supply continue moderate, papaya production light. Cattle and pasture good condition. Sugar harvesting ended. Pineapple operation slow.

IDAHO: Precipitation generally above normal ranging from 0.18 in. at Rexburg and Lewiston to 1.10

in. at Fairfield. Temperatures near normal. Maxima mid-30's to mid-40's, minima mostly teens but few sub-teens east.

Feeding and caring for livestock increased by widespread winter storms. Other activities limited by weather. Livestock condition good. Close culling of both beef and dairy cows occurring. Potato movement from farms light because of weather and market conditions.

ILLINOIS: Temperatures 6 to 9° above normal. Highs in 60's on 10th. Widespread cold conditions on 12th ranging from .3° northwest to low 20's south. Heavy precipitation midweek. Rainfall over 2.00 in. some locations. Rain light to moderate most areas, ranging 0.33 in. to 3.00 in.

Main activities; routine farm chores, livestock care, wet conditions prevented field activity.

INDIANA: Very warm then very cold over weekend. Temperatures reached from 66° on 10th to 5° in extreme north on 13th. Precipitation 1.00 to 3.00 in. High winds and tornadoes on 10th caused minor property damage. Snow cover in extreme northwest and southeast.

Soils freezing rapidly. Fields remained in soft, wet condition further delaying completion of corn and soybean harvest. With equipment held off fields, activities confined to caring for livestock and usual chores.

IOWA: A severe paralyzing blizzard struck the northwestern area on 10th and 11th leaving 8 to 15 in. of snow. Wind gusts to 70 m.p.h. drifted snow into 8 ft. drifts. Temperatures averaged slightly below normal northwest to 8° above normal southeast as mild conditions prevailed until bitter cold arrived late in week. Precipitation, well above normal west and north, near normal southeast, snow fell northwest and mostly rain elsewhere.

KANSAS: Temperatures averaged near normal northwest to 8° above normal southeast. Above normal early week to very cold week's end. Heavy snow from southwest northeastward through the north central and northeast, amounts ranging from 4 to 9 in. Occasional blizzard conditions strong northerly winds blowing and drifting the snow.

Wheat condition good, but some stands thin. Snows some aid to wheat in dry north central. West central, and southwest dry. Livestock on supplemental feed.

KENTUCKY: A variety of weather occurred. Rainfall mid and near end of week with snow at week's end. Local snow depths over 6 in. east. Precipitation totaled about 2.00 in. Mild, then unseasonably warm on 10th followed by much colder. Temperatures averaged in low 40's.

Little or no field activity. Soil wet and too soft to handle heavy equipment. Livestock still on pastures, but now requiring supplemental feeding, mostly from field stored round bales. Farmers busy finishing up tobacco stripping, sales volume and quality declining by end period, some markets closing.

LOUISIANA: Very warm first of week. Severe thunderstorms, some tornados 10th. Coldest weather of season 12th. Light to heavy snow north and portions of central. Temperatures averaged 2 to 4° above normal. Extremes: 79° Baton Rouge, Bogalusa, New Orleans 8th, 16° Shreveport 13th, lowest since January 1970. Precipitation moderate to excessive. Weekly totals ranged from 2.00 to more than 7.00 in. Greatest 1-day total 3.93 in., morning of 8th at Baton Rouge. Snow depths 1 to 4 in. and heaviest since 1965 some places.

Agricultural activities consisted of routine chores and livestock care.

MARYLAND AND DELAWARE: Temperatures 2 to 6° above normal. Highs low 50's to mid 60's, lows mid-teens to 30's. Precipitation variable, amounts from 0.27 to nearly 1.50 in. weekend mild, record high temperatures on 11th.

Livestock chores main farm activity. Orchard pruning active. Tobacco stripping continues.

MICHIGAN: Temperatures averaged 9 to 14° above normal lower peninsula and 7 to 10° above normal upper peninsula. Precipitation was heavy ranging from 0.50 in. northern lower and eastern upper peninsulas to 2.50 in. over southern lower peninsula.

Little field work accomplished due to snow and wet fields.

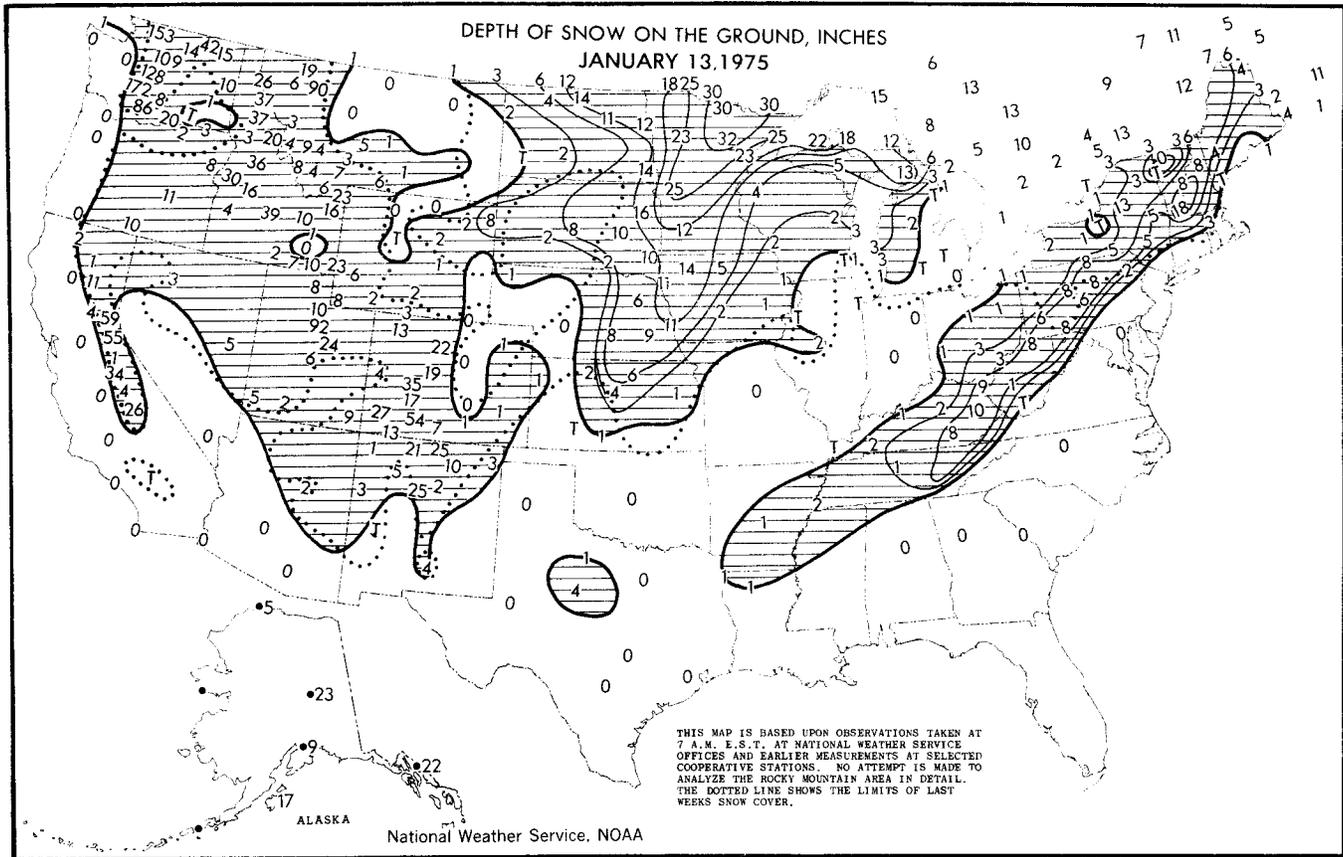
MINNESOTA: Temperatures averaged 10 to 14° above normal north, 5 to 10° above central through southeast, and normal to 5° above normal southwest. Precipitation 1.60 to 2.30 in. northeastern, 1.00 to 1.60 in. central and 0.40 to 1.00 in. elsewhere. New snow 3 to 6 in., in 100 mile wide band from southwest to northeast during 9th. Snowfall from blizzard, 12 to 20 in., in 50 mile wide band from south central to central expanding to a 80 mile band from International Falls to Hibbing on 10th to 12th. Blizzard conditions began late morning of 10th in extreme southwest expanding north and east across State. The blizzard continued over all of State during 11th with steady winds of 30 to 45 mph and occasionally up to 55 mph. Gusts ranged from 55 to 75 mph. Drifts up to 20 feet high in heavy snowfall areas of the west central, central, and south central. Drifts elsewhere closed most roadways, snow plowing ceased due to zero visibility and uncontrollable drifting. Numerous power shortages occurred particularly in rural areas. 168 trapped in train at Wilmar; 6,000 in homes without power western twin-cities. Most sections only snowmobiles able to move. Temperatures dropped 25 to 35° from noon of 10th to noon of 11th, by nightfall of 11th, readings were -2 to -15° northwest to southeast. Wind chill readings averaged -50 to -80°. Blizzard conditions started easing lower southwest by daybreak of 12th and finally ended upper northeast after nightfall. Several deaths were storm related. Storm center moved northward from Iowa into Minnesota on 10th exceeding lowest pressure of record with 28.620 in.

Severe weather at week's end made livestock care and management difficult.

MISSISSIPPI: Average temperatures a few degrees above normal. Extremes: 20 to 79°. Greatest 24-hour rainfall 6.49 in. Widespread heavy rain, strong winds, and several tornadoes on the 10th. Early report show 10 deaths and over 200 injuries.

Soil moisture surplus to excessive. Days suitable for fieldwork 0.6. Cotton 94% harvested, normal 99%. Soybeans 95% harvested, normal 97%. Condition of wheat, oats and livestock fair. Hay and roughage supplies adequate. Feed grain supplies short.

MISSOURI: Warm and rather wet week, but ended with some of the coldest weather of the winter thus far. Rains in excess of 2.00 to 3.00 in. southeast 9th and 10th sent streams above flood level and high winds caused damage to roofs, trees, and some out buildings. Least amount of rainfall occurred in the northern areas. Up to weekend, temperatures averaged from 5 to over 10° above normal.



MONTANA: Week began mild with rain and snow west of the Divide but dry and windy east of the Divide. Temperatures averaged below normal. Arctic outbreak moved in east of Divide on 8th. Temperatures on 11th ranged from zero to 25° below. Precipitation above normal west and southcentral, below normal elsewhere. Snow light at lower elevations but higher mountain areas received significant new snowfall. Temperatures on 12th rose rapidly from below zero into the 30 to 40° range.

Winter wheat condition fair to good. Wind damage to winter wheat light to moderate. Protectiveness of snowcover for winter wheat mostly poor. Nearly 90% livestock on supplemental feed. Grazing open.

NEBRASKA: Temperatures generally above normal early period. Blizzard conditions developing on 10th. Strong winds, snowfall up to 19 in., eastern third.

Some livestock losses newborn animals. Farm activities near standstill except livestock care. Snow drifts up to 12 feet.

NEVADA: Almost daily precipitation across north primarily in form of snow. Austin reported 1.91 in., Owyhee had 1.15 in. Temperatures little below seasonal averages. Extremes: 56° Hawthorne to 8° below, Ely.

Livestock benefitting from light snow cover. Water and seed supplies adequate.

NEW ENGLAND: Week was stormy and mild. Coastal storm on the 8th brought rain near the coast and snow most of interior with 10 to 18 in. from northeastern Massachusetts and southeastern New Hampshire westward. A second coastal storm on 10th brought precipitation but snowfall was much less

and occurred mainly in northern Massachusetts, southern New Hampshire and Vermont. Temperatures near normal south and several degrees below normal north on 12th after that they were markedly above normal, as much as 35° above normal in the north. High temperatures were 5 to 10° above normal 7th through 10th then 15 to 25° above on 11th.

NEW JERSEY: Mild week averaging 9° above normal north, 4° above normal south and 9° above normal coast. Extremes: 66° at Neshanic and East Millstone and 14° at Neshanic. Weekly precipitation heavy, averaging 1.89 in. north, 1.93 in. south and 1.70 in. coast. Snow or sleet north west on night of 6th. Amounts from trace to 0.50 in. at Newton.

NEW MEXICO: Very cold week. Temperatures averaged near normal southeast plains and generally 8 to 13° colder than normal remainder. Readings of -22° Chama and Taos, -20° Raton 12th. Some snow statewide with storm 9th and additional amounts east weekend. Amounts light except northern mountain sections where water equivalents of 0.75 to 1.0 in.

Moisture adequate. Winter wheat, barley fair, grazing 75% irrigated, 60% dry. North and east covered by snow. Cotton picking virtually complete. Activities include preliminary land preparation with southern Rio Grande preparing for 1st irrigation. Livestock fair. Ranges fair, generally frozen.

NEW YORK: Unusually mild wet weather. Temperature low -18° at Saranac Lake in the Adirondacks on 6th. Rain over south half 8th and 9th. Mild temperatures weekend caused considerable snow

melt south of Adirondack. High temperatures 11th in low to mid 60's central and south and in 50's north.

Most precipitation and snow-melt absorbed in ground. Streams and rivers up slightly.

NORTH CAROLINA: Rainfall, cloudiness, and temperatures averaged above normal. Rain off and on during entire week. Rainfall averaged between 0.50 and 2.00 in. Mild temperatures most of period, but coolest end of week.

Rain continued to influence farm activities. Fieldwork: 1.0 day suitable. Soil moisture 85% surplus and 15% adequate. Condition of small grains fair to mostly good. Pastures mostly fair to good condition. General farm activities: Bookkeeping and planning, repairing equipment and buildings, feeding livestock and other general work out of fields.

NORTH DAKOTA: Temperatures above normal, ranging from 1° above southwest to 12° above north central. Precipitation above normal. Extremes: 40° at Lemmon to -20° at Amidon. Weekend brought blizzard, worst eastern part, with Grand Forks receiving 1.04 in. precipitation. Snow cover ranges from trace at Dickinson to 12 in. at Grand Forks and Upham.

Extreme blizzard conditions over weekend caused soil blowing. Snow cover variable as heavy winds bared some spots and created drifts in others. Many fields now have no snow cover. Livestock condition or losses due to storm cannot be assessed at this time. Many secondary roads, driveways and farmyards blocked by drifts. Feed and roughage supplies difficult to reach.

OHIO: Showers, temperatures well above normal prevailed. Flooding of small streams and low lying areas central to east on 9th. Intense winter storm brought winds in excess of 50 mph on 10th, with temperatures below normal. Another winter storm spread heavy snow across east on 12th.

Warm, wet weather has kept most fields soft.

OKLAHOMA: Temperatures averaged from near normal to about 9° above normal. Precipitation light with greatest average 0.04 in. east central. Weekend mild to cold and few traces of precipitation.

Cold weather kept small grains dormant and wet soils permitted only slow progress in harvesting row crops. Cotton now 75% harvested, while soybeans nearly 90% combined. Sorghum combining near wind up. Loss of standing grain to birds heavy. Principle work care of livestock, year end bookkeeping, fencing, and machinery repair. Pastures and ranges short most areas. Supplemental feeding increased. Cattle condition only fair as ranges deteriorate and stockmen conserve feed.

OREGON: Average temperature up to 5° above normal. Maximum temperatures in mid-50's west, 30's to 40's east. Minimum in low teens, east. Precipitation totaled 4.00 to 7.00 in. along coast, 2.00 to 4.00 in., interior valleys, 0.50 to 1.50 in. east.

Winter farm activities continuing as weather permits. Spraying grains, clover, pruning orchards, training berries. Minor orchard damage from wind-storm. Potatoes, onions moving. Feed supplies adequate, heavy feeding continuing. Lambing continuing west.

PENNSYLVANIA: Mild and wet. Maxima mostly 40's,

minima 30's except 10th and 11th when southerly winds pushed temperatures into 60's and 70's. Extremes: 14 and 71°. Temperatures averaged 7 to 13° above normal for mildest week since end of November. Precipitation almost daily with amounts totaling from 0.50 in. west and north central to 1.50 to 2.00 in. central and east for wettest week since mid-October. Snowfall beginning and end of period totaled 1 to 3 in. west and southeast and 6 to 15 in. through mountains. Farmers doing routine winter chores.

PUERTO RICO: Island average rainfall 0.41 in. Highest weekly total 1.67 in. at Canovanas. Highest 24 hour total 0.70 in. at Canovanas. Light rainshowers fell most sections except south coastal and southern slopes. Temperatures averaged 74° on coasts and 66° interior. Extremes: 47 and 90°.

Dry weather favored maturity of sugarcane and harvesting and drying of coffee bean. Tobacco planting and cultivating operations continued under favorable weather although there is a scarcity of seeds. Pastures in good condition most areas. Food crops developing well, need more rain in some western areas. Some areas reported abundance of plantains, bananas, vegetables, and citrus on market in some areas.

SOUTH CAROLINA: Week was wet, unseasonably warm with rain 5 days. Rainfall totals ranged 1.00 to 3.00 in., least amounts south. Temperatures averaged 5 to 10° above normal.

A few acres soybeans remain to be harvested. Frequent rains delayed most activities. When weather permitted: Preparing land for spring planting; planting small grain; preparing tobacco beds; pruning peach, apple trees, setting out new orchards; harvesting mixed greens Charleston-Beaufort area. Transplanting cabbage Charleston area.

SOUTH DAKOTA: Week began with mild temperatures but cooled sharply on weekend as a severe blizzard spread over much of State. Temperature averages ranged from near normal northeast to 5 to 10° below normal southwest. Extremes: 55° Oral 6th, -11° Camp Crook 10th. Blizzard conditions 10th and 11th left heavy snow in east; southwest and central. Sustained winds of 45 to 50 m.p.h. with occasional gusts reaching 70 to 80 m.p.h. occurred. Blowing and drifting snow reduced visibility to near zero. Main farm activities were feeding cattle and scooping snow. Some livestock losses and straying due to blizzard. Water supplies in dams and dugouts helped by snow, but still short in many areas. Some early calving and lambing underway. Winter wheat now has good snow cover except in areas that blew badly.

TENNESSEE: Temperatures considerably above average until last two days when cold wave sent temperatures to mid-teens. Snowfall up to 10 in. fell in mountain areas with most of State getting from 3 to 5 in.

Very little field work done by farmers.

TEXAS: Unseasonably warm on 6th, temperatures 10 to 15° above normal 7th and 8th. Normals mid-30's northwest, 50's south. Cold front on 9th triggering showers, thunderstorms over east. Cold temperatures, snow followed front 10th through 12th. One to two inches snow Panhandle 10th, with additional snow in Panhandle, southwest, central 11th and 12th. Rainfall averaged 1.00 in. east, elsewhere, precipitation near normal. Temperatures cold 11th and 12th. Freezing temperatures felt entire State by 12th.

Cotton harvest 96% complete, 97% in 1974 and 88% average. Few days work on High Plains, Low Plains finished in week to 10 days if weather favorable. Wheat, oats making good growth in south half. Grazing generally adequate. Overgrazing common in many areas. Flax making excellent progress south, south central.

Lower Rio Grande Valley: Major harvest activity centered cabbage, carrots, fair supplies available most other vegetables. Onions show normal development. In anticipation of hard freeze, harvest, shipment lettuce, other vegetables active the 5th. Night of 12th temperatures dropped below freezing most Lower Valley. On 13th temperatures dropped to upper teens western end of valley, into mid-twenty's central and east. Full extent of damage still unknown but expected all peppers, tomatoes frozen, also, melons killed in Starr County. Damage other vegetable crops expected light. Winter Garden: Cabbage, carrots being harvested. Freeze damage believed generally minimal. Land being prepared for melons, other spring crops. Coastal Bend: Spinach harvest continues. Spring vegetable land being prepared. Some water-melons planted Jim Wells county. High Plains: Land preparation for spring vegetables active early in week. Preparations being made for planting hothouse tomatoes in Oldham County. Upper Coast: Harvest collards, cabbage, mustard green continues. Some tomatoes, peppers, eggplants set in cold frames. Citrus harvest heavy, some freeze damage occurred on 13th. Defoliation, twig burn expected, possible fruit damage, extent unknown.

Livestock good gains wheat fields High, Low Plains though cold weather caused crop become dormant. Wheat, oats responded to warm weather, made good growth south half, wet fields restrict grazing east, Blacklands. Overstocking common Low Plains southward to Lower Rio Grande Valley. Livestock condition mostly fair to good. Ranchers feeding little as possible to maintain condition.

UTAH: Rain or snow locally moderate to heavy accumulations. Average temperature ranged from near normal to 11° below at Green River. Very cold temperatures over weekend north.

Rain and snow made care and feeding livestock and other winter chores more difficult. Care and repair of farm machinery outside of farm buildings impossible. Sugar processing continues. Sorting, grading, and marketing potatoes, dry onions, apples from storage continues. Some early farm flock lambing has started.

VIRGINIA: Above normal temperatures with extremes 12 and 75°. Precipitation heavy, occurring mostly as rain except snow west early in period.

Topsoil moisture 49% adequate, 49% surplus, 2% short. Fieldwork: 1.8 days favorable. Grains, grazing crops good condition. Snow west, north increased cattle feeding. Feed supplies adequate most areas. Farmers stockpiling supplies as early as possible. Preparing records for farm census for use in planning for 1975 and for other end-of-year reports required. Winter butchering; fruit tree pruning; tobacco marketing; equipment, fence, building, repairs active.

WASHINGTON: West: Average temperatures near normal. Extremes: 40's, 30's. Precipitation almost daily, total amounts from 1.00 to 5.00 in. Local snow, some areas 1 to 2 in. on ground.

Slides closed some passes. Heavy rains and high winds resulted in power outages and slowed farm activities. Forcing of early rhubarb underway. Most farm activities consisted of routine chores and machinery repair. East: Average readings a little above normal. Extremes: 40's, 20's cooling to teens and below end of period. Total precipitation varied from 0.30 in. to over 1.00 in. Occasional snow showers. Snow on ground end of period varied up to over 15 in.

High winds caused drifting and some property damage. Pruning grapes and tree fruits and repairing trellises in grapes and hop fields. Some fertilizing and machinery repair. Snow added to winter protection on annually cropped fields, but several inches more are needed for proper cover. Some rain erosion occurred on frozen ground. Fall grains uneven from earlier moisture deficiencies. Livestock in good shape and being fed more heavily.

WEST VIRGINIA: Temperatures 8 to 12° above normal. Temperatures cool first of week, well above normal by end of week. Precipitation below normal and scattered throughout period.

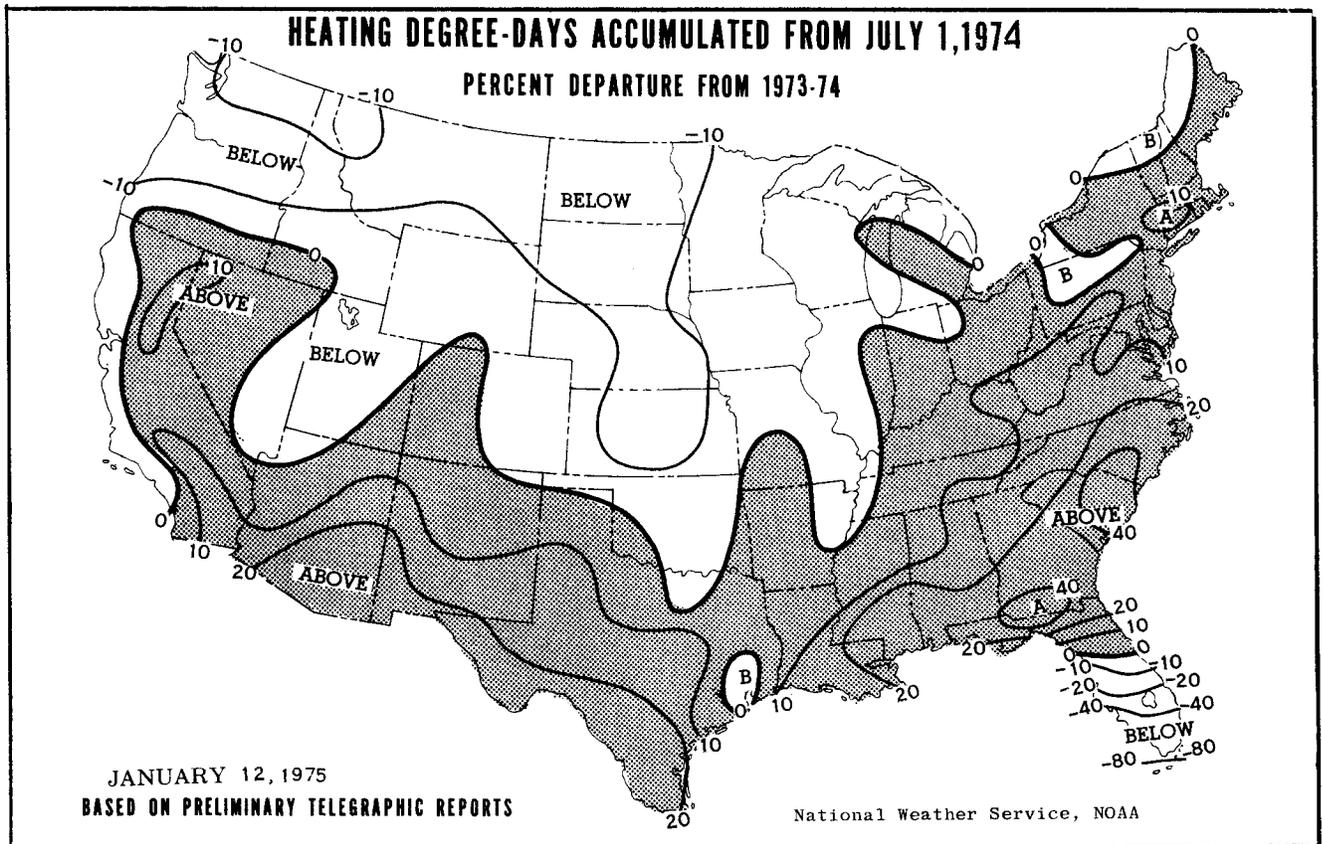
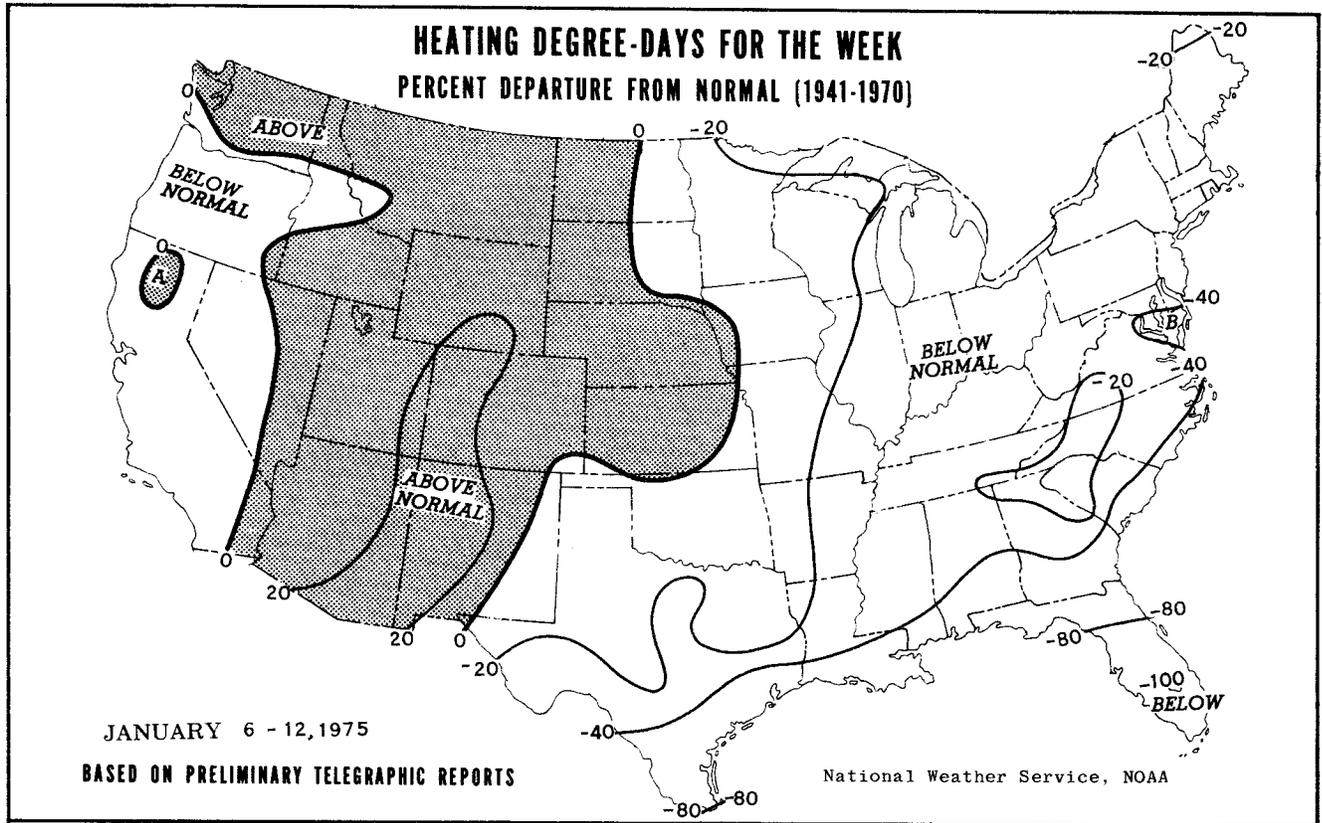
Soil moisture mostly adequate. Mild weather caused some growth in small grains. Main activities feeding livestock and repairs.

WISCONSIN: Cloudy, mild with frequent periods of precipitation until big storm on weekend when temperatures turned sharply colder. Temperatures in the 30's days and 20's nights from 6th through 9th. Precipitation ranged from light rain and snow south to heavier snow of 1 to 4 in. northwest 7th and 9th. Moderate to heavy rain late 9th south-east spread northward on 10th with occasionally heavy snow near northwest border. Cold front moved in on 10th with very strong winds. By morning of 11th, near blizzard conditions prevailed northwest where light snow was falling and winds were 35 to 50 mph gusts above 60. Winds diminished, some clearing on 12th. Temperatures dropped from 50's to 0 south and from 30's to 12° below northwest by 12th. Very little snow fell during the weekend storm. Southeast had over 1.00 in. rain on 10th while 2.00 in. of precipitation fell as rain and snow in Duluth-Superior Area.

WYOMING: Temperatures averaged near normal. Big Horn Basin had greatest temperature departure, averaging 3 to 4° above normal. Temperatures close to seasonal, but on 10th much colder temperatures recorded. Precipitation averaged 0.33 in. over Green and Bear Drainage. Heavy storms from 1 to 2 feet or more on 7th and 8th over northwest with a foot or slightly less over Big Horn and Medicine Range east. Elsewhere amounts ranging from traces up to about 0.10 in.

Snow some areas increased supplemental feeding. Late culling, marketing livestock continued. Livestock condition good. High winds caused drying, erosion in winter wheat fields. Moisture badly needed to insure adequate spring growth. Care of livestock, planning for 1975 major activities.

Standard copy for the Weekly Weather and Crop Bulletin is prepared by: Richard E. Felch, Lyle M. Denny, Orus W. Byrd, National Weather Service, NOAA; DeLon Brown, Nancy J. Burt, Statistical Reporting Service, USDA.



Heating Degree Days (Base 65°) For Week Ending Jan. 12, 1975

States and Stations	Weekly		Seasonal + Accumulation			States and Stations	Weekly		Seasonal + Accumulation			States and Stations	Weekly		Seasonal + Accumulation		
	TOTAL	Departure*	TOTAL	Departure*	Departure From 1973-74		TOTAL	Departure*	TOTAL	Departure*	Departure From 1973-74		TOTAL	Departure*	TOTAL	Departure*	Departure From 1973-74
ALA. Birmingham	105	-46	1308	-97	115	Portland	219	-82	3098	-203	35	Tulsa	176	-27	1726	-21	-104
Mobile	40	-65	743	-67	171	MD. Baltimore	144	-80	1897	-252	-112	OREG. Astoria	159	-16	2161	-270	-518
Montgomery	70	-56	1038	-89	156	MASS. Boston	163	-88	2301	-96	121	Burns	280	-6	3215	-170	-214
ARIZ. Flagstaff	292	29	3317	-14	264	MICH. Alpena	238	-89	3512	-236	-83	Medford	197	-6	2124	-196	100
Phoenix	108	10	777	22	162	Detroit	210	-70	2935	-76	121	Pendleton	199	-38	2027	-491	-556
Tucson	130	28	1070	266	243	Flint	208	-89	2983	-139	6	Portland	185	-7	1805	-436	-353
Winslow	277	43	2589	295	280	Grand Rapids	228	-65	3235	224	231	Salem	173	-16	1993	-249	-394
Yuma	82	10	581	73	61	Houghton Lake	248	-83	3563	-173	-16	PA. Allentown	173	-86	2487	-136	157
ARK. Fort Smith	175	-13	1703	83	66	Lansing	212	-82	3096	29	0	Erie	185	-92	2870	-85	182
Little Rock	143	-39	1433	-193	16	Marquette	263	-61	3429	-210	-184	Harrisburg	176	-69	2347	-57	231
CALIF. Bakersfield	109	-18	1046	-37	94	Muskegon	221	-64	2953	-48	-42	Philadelphia	146	-81	1933	-229	-7
Eureka	123	-3	2195	-27	-113	S. Ste. Marie	268	-85	3982	-72	-73	Pittsburgh	165	-94	2464	-261	29
Fresno	129	-14	1294	16	51	MINN. Duluth	323	-71	4441	2	-236	Scranton	177	-96	2605	-240	-171
Los Angeles	67	-10	530	-166	-28	Internatl Falls	339	-102	4476	-433	-370	R. I. Providence	173	-79	2488	-87	109
Red Bluff	147	2	1387	139	4	Minneapolis	312	-59	3536	-271	-276	S. C. Charleston	53	-66	992	-44	318
San Diego	58	-12	493	-89	30	Rochester	313	-51	3655	-92	-215	Columbia	88	-52	1211	-71	392
San Francisco	106	-13	1388	39	-95	St. Cloud	335	-56	3985	-77	-173	Greenville	137	-24	1618	83	185
Stockton	132	-15	1362	58	136	MISS. Jackson	88	-43	1034	-83	103	S. DAK. Aberdeen	357	-33	3583	-387	-770
COLO. Denver	282	36	2897	176	-105	Meridian	95	-38	1052	-148	183	Huron	354	-15	3478	-221	-478
Grand Junction	338	65	2784	75	83	MO. Columbia	223	-29	2483	131	-29	Rapid City	340	37	3183	-110	-457
Pueblo	267	19	2658	127	-98	Kansas City	253	-11	2474	92	-132	Sioux Falls	360	3	3472	-146	-324
CONN. Bridgeport	168	-76	2147	-107	166	St. Louis	199	-39	2310	103	-138	TENN. Chattanooga	145	-30	1815	103	327
Hartford	198	-82	2819	-15	275	Springfield	202	-26	2209	66	80	Knoxville	129	-46	1647	-41	137
DEL. Wilmington	145	-86	2070	-130	163	MONT. Billings	325	19	3207	-108	-333	Memphis	124	-51	1359	-202	-11
D. C. Washington	119	-91	1632	-298	93	Glasgow	401	10	3639	-474	-828	Nashville	123	-66	1631	-144	107
FLA. Apalachicola	18	-66	494	-148	66	Great Falls	355	40	3152	-332	-693	TEX. Abilene	130	-24	1368	107	106
Daytona Beach	11	-43	289	-109	25	Havre	406	32	3541	-588	-764	Amarillo	167	-39	2058	98	113
Ft. Myers	0	-28	85	-119	-74	Helena	333	-1	3651	-213	-562	Austin	81	-31	877	46	98
Jacksonville	24	-58	607	-29	132	Kalispell	367	42	3761	-357	-299	Brownsville	10	-39	309	38	50
Key West	0	-2	4	-13	-20	Miles City	360	11	3359	-294	-470	Corpus Christi	36	-34	481	56	79
Lakeland	4	-38	199	-101	-24	Missoula	329	14	3457	-367	-386	Del Rio	71	-34	815	23	151
Miami	0	-9	34	-54	-60	NEBR. Grand Island	337	36	3085	-119	-377	El Paso	155	1	1568	171	277
Orlando	4	-38	213	-92	1	Lincoln	322	20	2932	56	-420	Fort Worth	113	-32	1085	-37	-23
Tallahassee	37	-57	822	50	256	Norfolk	331	7	3116	-93	-354	Galveston	34	-50	450	-68	-6
Tampa	2	-40	185	-127	-45	North Platte	321	27	3378	232	-291	Houston	49	-47	603	-70	-56
W. Palm Beach	0	-14	71	-58	-35	Omaha	310	10	2854	70	-331	Lubbock	183	1	1803	100	232
GA. Atlanta	111	-50	1404	-92	201	Valentine	327	12	3240	-110	-358	Midland	127	-27	1268	-22	29
Augusta	127	-13	1359	94	337	NEV. Ely	313	19	3591	18	-105	Beaumont	54	-44	720	-4	59
Macon	79	-47	1039	-81	228	Las Vegas	154	4	1278	-27	-46	San Angelo	118	-15	1138	21	122
Savannah	54	-58	806	-157	136	Reno	204	-34	2904	66	155	San Antonio	84	-21	879	118	143
IDAHO. Boise	263	4	2621	-140	-31	Winnemucca	258	-8	3198	77	252	Victoria	38	-46	531	-36	48
Lewiston	237	-6	2306	-327	-417	N. H. Concord	238	-70	3458	144	112	Waco	114	-14	1066	85	119
Pocatello	313	15	3371	76	-96	N. J. Atlantic City	154	-70	2126	-52	156	Wichita Falls	143	-25	1370	-24	16
ILL. Cairo	155	-48	1774	-45	-42	Trenton	147	-84	2009	-169	37	UTAH. Salt Lake C	277	11	2514	-304	-263
Chicago	220	-67	2687	-51	106	N. MEX. Albuquerque	286	73	2408	307	89	VT. Burlington	213	-121	3310	-175	-57
Moline	247	-59	2849	-70	-224	Roswell	183	-11	1933	48	270	VA. Lynchburg	162	-41	2012	14	199
Peoria	226	-63	2758	-41	-160	N. Y. Albany	219	-82	3204	120	125	Norfolk	104	-65	1392	-158	143
Rockford	259	-56	3048	-73	-56	Binghamton	218	-83	3276	39	279	Richmond	132	-64	1852	6	236
Springfield	204	-65	2483	-77	-133	Buffalo	183	-104	2789	-206	-106	Roanoke	166	-37	2030	10	231
IND. Evansville	170	-60	2128	-56	48	New York	148	-83	1986	-103	108	WASH. Quillayute	193	5	2556	-223	-532
Fort Wayne	194	-86	2764	-48	-9	Rochester	184	-103	2896	-25	165	Seattle-Tacoma	206	15	2185	-242	-180
Indianapolis	178	-81	2551	-19	148	Syracuse	199	-88	2960	68	76	Spokane	326	43	3141	-139	-303
South Bend	203	-84	2556	-337	-44	N. C. Asheville	152	-37	1941	-81	250	Walla Walla	220	-10	2011	-334	-469
IOWA. Burlington	246	-49	2763	-54	-170	Hatteras	79	-57	1064	-56	277	Yakima	277	7	2642	-326	-435
Des Moines	298	-24	2866	-194	-225	Charlotte	139	-22	1670	110	262	W. VA. Beckley	167	-71	2565	-69	278
Dubuque	288	-44	3292	-43	-86	Greensboro	152	-34	1754	-88	36	Charleston	160	-57	2269	103	313
Sioux City	336	5	3114	99	-192	Raleigh	131	-44	1726	-40	379	Huntington	147	-70	2143	-24	211
KANS. Concordia	274	1	2503	-95	-399	Wilmington	77	-56	1118	-21	298	Parkersburg	150	-75	2289	-63	197
Dodge City	251	6	2325	-25	-301	N. Dak. Bismarck	415	17	4269	110	-542	WIS. Green Bay	262	-83	3599	-40	0
Goodland	293	27	2955	130	-214	Fargo	357	-56	3988	-257	-623	LaCrosse	297	-46	3251	-133	-204
Topeka	267	3	2446	-9	-234	Williston	425	27	4009	-241	-711	Madison	270	-66	3238	-281	-265
Wichita	246	8	2194	-9	-267	OHIO. Akron-Canton	166	-103	2601	-183	150	Milwaukee	247	-73	3060	-236	-85
KY. Lexington	155	-69	2184	-13	195	Cleveland	172	-94	2629	-86	223	WYO. Casper	351	57	3629	194	-88
Louisville	146	-78	2063	-107	150	Columbus	171	-86	2404	-228	75	Cheyenne	319	48	3489	225	-82
LA. Baton Rouge	60	-45	751	-67	131	Cincinnati	180	-58	2423	94	138	Lander	349	27	3767	98	-144
Lake Charles	36	-38	987	-23	48	Dayton	172	-87	2479	-95	41	Sheridan	335	24	3552	13	-352
New Orleans	54	-37	857	-45	113	Toledo	197	-83	2898	13	13						
Shreveport	116	-10	1123	69	48	Youngstown	183	-90	2822	-45	124						
MAINE. Caribou	302	-76	4243	-117	2	OKLA. Okla City	179	-23	1706	-45	-101						

* Based on 1941-70 Normals.

+ Accumulation July 1, 1974



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