

Weekly Weather & Crop Bulletin

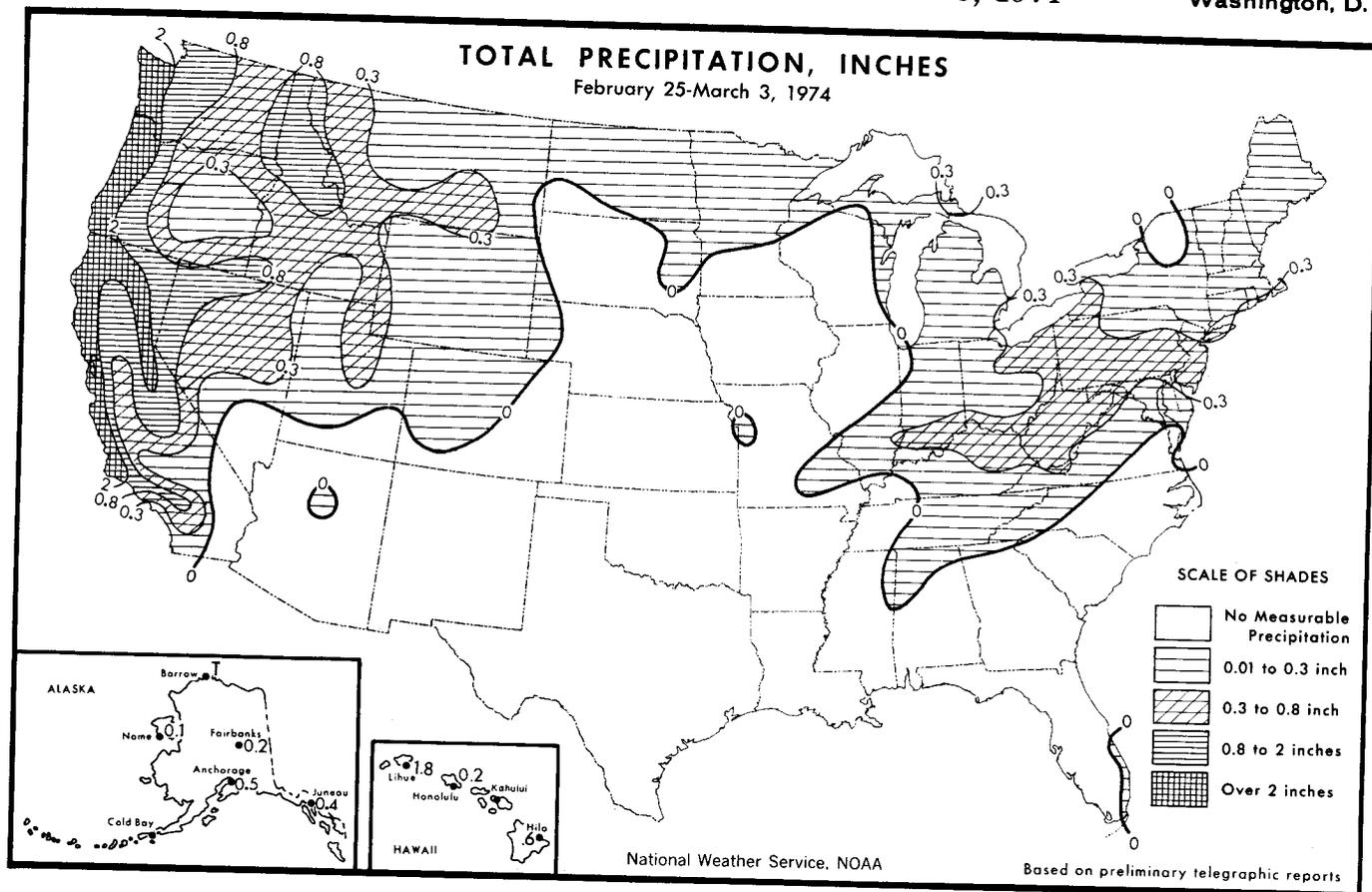
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NATIONAL WEATHER SUMMARY

HIGHLIGHTS: Springlike weather blossomed across the Nation last week, as temperatures were much warmer than usual, as much as 15° to 18° above normal over the central Plains. Subnormal temperatures were restricted to Georgia, Florida, and the West Coast and sections of Nevada and Utah.

Early in the week a mild storm system covered the Northeastern countryside with light snow. Cold air was pushed southward bringing near record low temperatures throughout the Gulf Coast States.

At midweek, a slow-moving storm front dumped moderate to heavy rain along the Pacific Coast and gradually inched across Idaho, Montana, North Dakota and Minnesota.

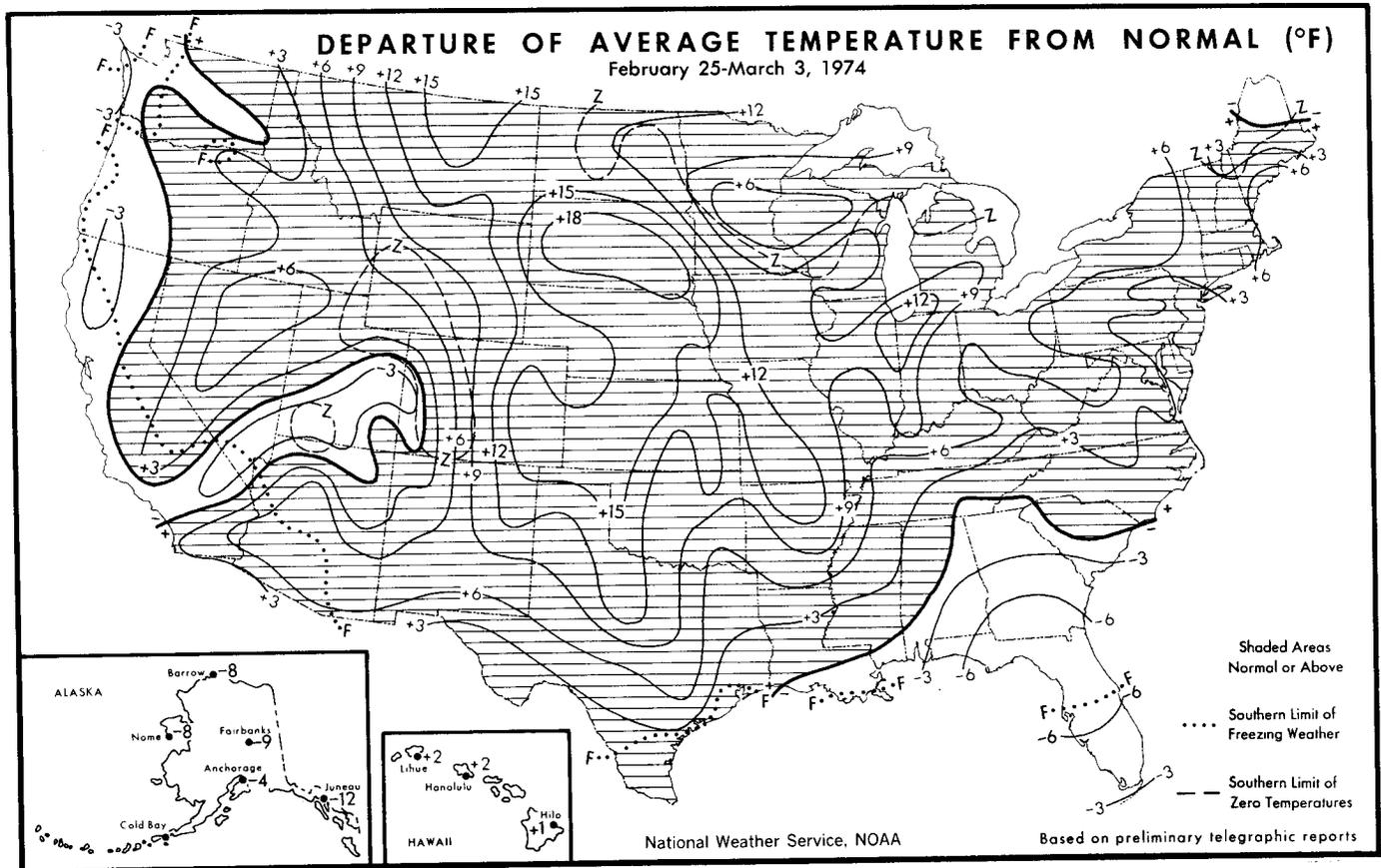
Meanwhile a record-breaking dry spell continued to plague the Texas southern Plains where Lubbock, Tex., has only received 6.98 in. of precipitation during the last ten months.

PRECIPITATION: Last week was very dry and most of the Nation received little or no precipitation.

Occasional flurries fell over the Northeastern section of the country dumping nearly a foot of snow on Englishtown, N.J., before drifting off the Atlantic Coast on Monday night. Fair weather spread over most of the Nation on Tuesday and by Wednesday afternoon a weather system centered in Montana moved eastward triggering snow in sections of northern and central Rockies and extreme northwest North Dakota. Strong winds of over 40 mph accompanied the storm during the day thrashing across parts of the Dakotas, Nebraska, Montana and Wyoming.

Thursday an intense winter storm, bringing heavy rain and high winds, settled over the Pacific Northwest. Showers drifted southward during the day but only after soaking many points from Astoria, Ore., to the Golden Gate with 1.00 to 2.00 in. of rain.

Torrential rains continued Friday coupled with high winds up to 70 mph. Highways were blocked and power lines downed along the northern and central California coast. Rainfall measured 7.70 in. at Venado, Cal., before the storm finally moved



out across the Rockies. A second storm lashed portions of the Pacific Coast Friday night with gale force winds and heavy rain. Both the San Francisco International Airport and Newport, Ore., recorded more than 1.00 in. of rain from the storm.

A low pressure system produced high winds throughout the Great Lakes region averaging up to speeds of 25 to 45 mph on Sunday. During the warm and windy weekend power companies reported damage and power outages to 150,000 homes from north-central Allegan county northward into eastern Ottawa and western Kent counties of Michigan.

TEMPERATURE: Temperatures were generally warmer than average over the Nation's midsection last week, but unusually chilly over the Gulf Coast States. Behind a rapidly traveling storm front cold air flowed southward on Monday, toppling temperatures to the low 50's in north Florida and 30's in north Georgia.

Brisk southerly winds and sunny skies accom-

panied considerably warm temperatures in the mid-west setting a pattern for the weeks weather. Elsewhere unusually cool temperatures prevailed in the southeastern part of the country with highs only in the 40's from the Carolinas to northern Florida while Garden City, Kan., topped the 75° mark. In fact, warmer temperatures prevailed across the Plains than in normally summerlike Florida. Even Key West, Fla., only reached 58° on Tuesday. By midweek a large high pressure system over southern Georgia pulled cold air south to the Gulf Coast and Florida. Thursday Baton Rouge, La., plunged to 29° an all time record low for the date.

Record-breaking warmth continued across the Central U. S. throughout the weekend. Saturday afternoon was just plain hot with temperatures in parts of middle Mississippi and Ohio Valleys 25° warmer than on Friday. Ahead of a storm centered over the Rockies and northern Plains temperatures hit the 70's north into South Dakota and Iowa on Saturday, while Fort Wayne, Ind., reached 64° and Indianapolis, Ind., climbed to the 71° mark.

NATIONAL AGRICULTURAL SUMMARY

AGRICULTURAL HIGHLIGHTS: Warm, sunny weather favored greening of wheat in Kansas and Oklahoma but rainless, windy conditions dried soils in southwest Kansas and northwest Oklahoma. Texas Panhandle wheat remained in poor shape from dryness. Early week freezing temperatures caused light to moderate damage to some Florida vegetables but little or none to citrus.

SMALL GRAINS: Warm temperatures and fair skies increased the greening of winter wheat in Kansas and Oklahoma, but high winds continued to deplete soil moisture in southwest Kansas and to cause light to moderate local damage in the western two-thirds of the State. Soil moisture is rated adequate in Kansas except in the southwest quarter. Late planted wheat fields showed improvement in response to warm weather and fertilizer applications, but most ground cover is still short. Supplies of fertilizer are reported about depleted in the eastern half of Kansas.

In Oklahoma, high winds caused slight erosion in isolated areas and greenbugs and cutworms remained active in several counties. Most of northwest and westcentral Oklahoma surface soil is short of moisture, but moisture is ample in the eastern portion. Spring barley and oats are about 75% seeded in Oklahoma and 15% seeded in Kansas, a little ahead of normal.

Wheat remained in poor condition on the moisture-starved Texas High and Low Plains with grazing restricted to irrigated fields. Winter wheat is in good condition in Colorado and Nebraska. About 10% of the Colorado acreage is being grazed. Montana wheat condition is rated fair to good with poor snow cover protection and moderate wind damage in some areas. Some winter wheat seeding continued in Washington last week, but most farmers were applying fertilizer to fall seeded acreage. Heaving is apparent in some wheat fields. Early seeded grains are excellent in Oregon.

OTHER CROPS: Thawing conditions limited fieldwork in most of the Cornbelt. Main farm activities consisted of livestock care, machinery repair, fertilizer application and routine farm chores.

Cotton seeding started spreading northward in Texas from the extreme south. Corn and sorghum planting gained momentum in southern Texas, but most farmers there are waiting for more favorable temperatures and moisture.

Warm, dry weather favored active preparation and seeding of tobacco beds in Maryland, Virginia and North Carolina. Freezing temperatures killed some tobacco plants in south Georgia.

A few potato fields were planted in the Lower Eastern Shore of Virginia and seed potato inship-

ments continued with planting to become active soon. Potato planting got underway in coastal counties of North Carolina and is nearly complete in the Baldwin County area of Alabama. Potatoes in the Knox-Haskell area of Texas are about 75% planted.

FRUITS AND NUTS: Freezing temperatures February 26 and 27 in Florida caused little or no damage to citrus trees or fruit. Trees are blooming in excellent condition, but rain is needed.

The freezing weather killed some peach buds in Georgia, but enough buds survived to make a good crop.

Orchards in northwest Arkansas are coming into full bloom raising producers' fears of freeze damage.

In Texas, peach trees are blooming in most southern counties and are in the pink bud stage elsewhere; some early varieties were lost to the freeze. Citrus harvesting remained active and juice plants ran at full capacity with some backlogs. Most groves were extremely dry and needed irrigating.

In California, almond, plum, prune, peach, apricot and date trees are blooming and the citrus harvest continued. The Valencia orange crop is sizing and showing color. Strawberry picking began in Orange and Los Angeles counties.

The Arizona lemon harvest is about complete, but the Valencia orange harvest is in full swing.

VEGETABLES: Freezing weather generally caused light to moderate damage to some Florida vegetables. Shipments were steady for cabbage, sweet corn, pepper, celery, and tomatoes. Lettuce and escarole increased but snap beans declined.

Onions are making good to excellent growth in several growing areas of Texas with light harvesting underway in the Lower Rio Grande Valley.

Carrot and cabbage harvesting continued there and in the San Antonio-Winter Garden area. All onions and lettuce planted for spring harvest in the Trans-Pecos area are up to good stands.

In California, carrot harvesting remained steady. Celery harvesting neared completion at San Diego while lettuce harvesting continued at Imperial with variation of quality.

Lettuce harvesting continued in full swing in the Yuma, Arizona area.

PASTURES AND LIVESTOCK: Mild weather benefitted early pastures and provided comfortable conditions for livestock. Supplemental feeding eased up some especially in the Southern States. Calving, lambing and shearing are active and death losses are reported about normal. Dryness continued to limit grazing in the Texas and Oklahoma Panhandles and started to hurt ranges in southern California.

Temperature and Precipitation Data for the Week Ending Midnight, l.st., March 3, 1974

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 . . .	51	+ 2	T	- 1.4	La.Baton Rouge . . .	56	0	0	- 1.2	Youngstown . . .	35	+ 5	.7	+ .1
Mobile . . .	54	- 2	0	- 1.4	Lake Charles . . .	57	0	0	- 1.0	OKLA.Okla. City . . .	55	+11	0	- .4
Montgomery . . .	49	- 4	0	- 1.3	New Orleans . . .	56	- 2	0	- 1.3	Tulsa . . .	56	+12	0	- .5
ALASKA.Anchorage . . .	16	- 4	.5	+ .3	Shreveport . . .	58	+ 5	T	- .9	OREG.Astoria . . .	42	- 2	3.7	+ 1.9
Barrow . . .	27	- 8	T	0	MAINE.Caribou . . .	16	- 1	.1	- .4	Burns . . .	34	+ 1	.3	0
Fairbanks . . .	- 7	- 9	.2	+ .1	Portland . . .	33	+ 7	.2	- .7	Medford . . .	40	- 3	1.5	+ 1.1
Juneau . . .	18	-12	.4	- .4	MD.Baltimore . . .	39	+ 2	.2	- .6	Pendleton . . .	45	+ 3	.4	+ .2
Kodiak . . .	-	-	-	-	MASS.Boston . . .	38	+ 5	.1	- .8	Portland . . .	44	0	2.3	+ 1.4
Nome . . .	-3	- 8	.1	- .1	Chatham . . .	35	+ 5	.5	-	Salem . . .	43	- 1	2.1	+ 1.0
ARIZ.Flagstaff . . .	39	+ 7	.1	- .3	MICH.Alpena . . .	29	+ 8	T	- .4	PA.Allentown . . .	35	+ 3	.4	- .4
Phoenix . . .	65	+ 8	T	.2	Detroit . . .	37	+ 7	.5	0	Erie . . .	36	+ 8	.5	- .1
Tucson . . .	62	+ 7	0	- .2	Flint . . .	36	+ 9	.1	- .3	Harrisburg . . .	37	+ 2	.8	+ .3
Winslow . . .	44	+ 2	.1	- .1	Grand Rapids . . .	36	+ 9	.2	- .2	Philadelphia . . .	37	+ 0	.4	+ .1
Yuma . . .	64	+ 3	0	- .1	Houghton Lake . . .	28	+ 7	T	- .4	Pittsburgh . . .	37	+ 5	.5	- .2
ARK.Fort Smith . . .	53	+ 7	0	- .8	Lansing . . .	36	+ 9	.1	- .3	Scranton . . .	31	+ 1	.3	- .2
Little Rock . . .	55	+10	0	- 1.1	Marquette . . .	30	+ 8	.1	- .3	R.I.Providence . . .	37	+ 5	.2	- .7
CALIF.Bakersfield . . .	58	+ 4	.2	0	Muskegon . . .	33	+ 8	.1	- .3	S.C.Charleston . . .	50	- 2	0	- 1.0
Eureka . . .	47	- 1	2.8	+ 1.6	S. Ste. Marie . . .	25	+ 7	.3	- .1	Columbia . . .	52	+ 3	0	- 1.0
Fresno . . .	54	+ 2	.9	+ .5	MINN.Duluth . . .	24	+ 8	.2	- .1	Greenville . . .	47	0	0	- 1.2
Los Angeles . . .	57	- 2	.1	- .5	Internatl Falls . . .	23	+11	.2	0	S.D.Aberdeen . . .	36	+16	T	- .1
Red Bluff . . .	49	+ 3	1.1	+ .4	Minneapolis . . .	26	+ 5	T	- .3	Huron . . .	41	+19	T	- .2
San Diego . . .	60	+ 3	.2	- .2	Rochester . . .	27	+ 6	T	- .2	Rapid City . . .	46	+18	T	- .2
San Francisco . . .	51	- 1	2.3	+ 1.6	St. Cloud . . .	23	+ 5	T	- .2	Sioux Falls . . .	41	+18	T	- .3
Stockton . . .	53	+ 2	.4	- .1	MISS.Jackson . . .	54	+ 2	0	- 1.3	TENN.Chattanooga . . .	43	- 2	T	- 1.3
COLO.Denver . . .	46	+12	T	- .2	Meridian . . .	55	+ 3	0	- 1.4	Knoxville . . .	47	+ 2	T	- 1.2
Grand Junction . . .	34	- 3	.1	- .1	MO.Columbia . . .	47	+10	0	- .5	Memphis . . .	54	+ 8	T	- 1.1
Pueblo . . .	52	+15	0	- .1	Kansas City . . .	48	+12	.2	- .2	Nashville . . .	47	+ 3	T	- 1.1
CONN.Bridgeport . . .	36	+ 3	.2	- .6	St. Louis . . .	47	+ 9	T	- .6	TEX.Abilene . . .	63	+13	0	- .2
Hartford . . .	35	+ 5	.3	- .5	Springfield . . .	52	+14	T	- .6	Amarillo . . .	53	+11	0	- .1
D.C.Washington . . .	45	+ 5	.2	- .5	MONT.Billings . . .	41	+13	.5	+ .3	Austin . . .	62	+ 6	0	- .6
FLA.Apalachicola . . .	51	- 7	0	- 1.1	Glasgow . . .	34	+15	.1	0	Beaumont . . .	58	+ 1	0	- .9
Daytona Beach . . .	54	- 7	0	- .8	Great Falls . . .	39	+11	.1	- .1	Brownsville . . .	65	0	T	- .3
Ft. Myers . . .	61	- 5	T	- .7	Havre . . .	36	+15	.2	+ .1	Corpus Christi . . .	64	+ 2	0	- .4
Jacksonville . . .	50	- 8	0	- .9	Helena . . .	36	+ 9	.1	0	Del Rio . . .	62	+ 3	0	- .2
Key West . . .	66	- 7	T	- .4	Kaliispell . . .	33	+ 6	.4	+ .2	El Paso . . .	54	+ 3	0	- .1
Lakeland . . .	57	- 7	0	- .8	Miles City . . .	37	+12	.1	0	Fort Worth . . .	60	+ 9	0	- .6
Miami . . .	65	- 4	.1	- .4	Missoula . . .	36	+ 6	.3	+ .2	Galveston . . .	60	+ 2	0	- .6
Orlando . . .	55	- 8	0	- .8	NEBR.Grand Island . . .	48	+17	0	- .2	Houston . . .	59	+ 2	T	- .8
Tallahassee . . .	49	- 8	0	- 1.4	Lincoln . . .	45	+14	0	- .3	Lubbock . . .	57	+12	0	- .2
Tampa . . .	56	- 7	0	- .7	Norfolk . . .	44	+17	0	- .2	Midland . . .	57	+ 7	0	- .1
W.Palm Beach . . .	62	- 5	T	- .7	N.Platte . . .	43	+13	0	- .1	San Angelo . . .	61	+ 8	0	- .4
GA.Atlanta . . .	46	- 1	T	- 1.2	Omaha . . .	44	+15	0	- .3	San Antonio . . .	61	+ 4	0	- .5
Augusta . . .	47	- 3	0	- 1.1	Valentine . . .	44	+17	0	- .1	Victoria . . .	64	+ 3	0	- .5
Macon . . .	48	- 5	0	- 1.2	NEV.Ely . . .	35	+ 5	.5	+ .3	Waco . . .	62	+ 9	0	- .5
Savannah . . .	50	- 4	0	- .9	Las Vegas . . .	48	- 3	T	- .1	Wichita Falls . . .	60	+12	0	- .2
HAWAII.Hilo . . .	72	+ 1	1.6	- 1.8	Reno . . .	40	+ 1	1.0	+ .8	UTAH.Blanding . . .	36	+ 1	0	- .2
Honolulu . . .	75	+ 2	.2	- .5	Winnemucca . . .	42	+ 6	.6	+ .4	Salt Lake City . . .	40	+ 4	.6	+ .5
Kahului . . .	73	+ 1	T	- .7	N.H.Concord . . .	31	+ 5	.1	- .5	VT.Burlington . . .	27	+ 5	.2	- .2
Lihue . . .	74	+ 2	1.8	+ .7	N.J.Atlantic City . . .	38	+ 2	.5	- .4	VA.Lynchburg . . .	44	+ 4	T	- .8
IDAHO.Boise . . .	43	+ 5	0	0	Trenton . . .	36	0	.4	- .4	Norfolk . . .	47	+ 3	T	- .8
Lewiston . . .	41	0	1.2	+ 1.0	N.MEX.Albuquerque . . .	48	+ 6	T	- .1	Richmond . . .	45	+ 3	T	- .7
Pocatello . . .	36	+ 4	.2	0	Roswell . . .	32	+ 5	.1	- .5	Roanoke . . .	45	+ 5	0	- .7
ILL.Cairo . . .	49	+ 6	0	- 1.0	N.Y.Albany . . .	31	+ 6	.2	- .4	WASH.Colville . . .	35	+ 1	.6	+ .3
Chicago . . .	44	+13	T	- .5	Binghamton . . .	31	+ 6	.2	- .4	Omak . . .	36	+ 2	.8	+ .1
Moline . . .	37	+ 8	0	- .4	Buffalo . . .	34	+ 7	.3	- .3	Quillayute . . .	39	- 3	2.8	0
Peoria . . .	41	+10	T	- .4	New York . . .	37	+ 1	.2	- .6	Seattle-Tacoma . . .	43	0	1.8	+ .9
Rockford . . .	35	+ 7	0	- .4	Rochester . . .	35	+ 8	.1	- .5	Spokane . . .	36	+ 1	.9	+ .5
Springfield . . .	42	+ 8	T	- .5	Syracuse . . .	35	+ 8	.1	- .6	Walla Walla . . .	46	+ 3	.5	+ .2
IND.Evansville . . .	49	+10	T	- .9	N.C.Asheville . . .	42	0	T	- 1.0	Yakima . . .	39	0	.7	+ .6
Ft. Wayne . . .	39	+ 8	T	- .6	Charlotte . . .	48	+ 2	0	- 1.1	W.Va.Beckley . . .	39	+ 4	.3	- .6
Indianapolis . . .	42	+ 8	.1	- .6	Greensboro . . .	45	+ 2	0	- .9	Charleston . . .	43	+ 4	.4	- .5
South Bend . . .	42	+13	T	- .5	Hatteras . . .	48	+ 1	T	- 1.0	Huntington . . .	44	+ 5	.4	- .4
IOWA.Burlington . . .	41	+10	T	- .4	Raleigh . . .	48	+ 3	0	- .8	Parkersburg . . .	43	+ 6	.6	- .2
Des Moines . . .	39	+11	0	- .4	Wilmington . . .	51	+ 1	0	- .9	WIS.Green Bay . . .	31	+ 9	T	- .3
Dubuque . . .	33	+ 7	0	- .4	N.DAK.Bismarck . . .	31	+13	T	- .1	La Crosse . . .	33	+ 9	0	- .3
Sioux City . . .	44	+17	0	- .3	Fargo . . .	25	+ 9	.2	0	Madison . . .	35	+11	T	- .3
KANS.Concordia . . .	50	+16	T	- .3	Williston . . .	31	+13	.2	+ .1	Milwaukee . . .	34	+ 8	T	- .4
Dodge City . . .	53	+16	0	- .2	OHIO.Akron-Canton . . .	36	+ 5	.4	- .2	WYO.Casper . . .	37	+ 9	.1	0
Goodland . . .	47	+14	0	- .1	Cincinnati . . .	41	+ 5	.4	- .4	Cheyenne . . .	41	+11	T	- .2
Topeka . . .	48	+12	T	- .3	Cleveland . . .	38	+ 8	.5	- .1	Lander . . .	35	+ 7	T	- .2
Wichita . . .	50	+11	T	- .3	Columbus . . .	40	+ 7	.1	- .5	Sheridan . . .	40	+12	.3	+ .1
KY.Lexington . . .	44	+ 6	.3	- .7	Dayton . . .	38	+ 5	.1	- .5	P.R.San Juan . . .	78	+ 2	T	- .5
Louisville . . .	46	+ 7	.2	- .8	Toledo . . .	37	+ 7	.1	- .4					

Based on 1941-70 normals.

CONDENSED STATE SUMMARIES

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

ALABAMA: Dry and sunny with varied temperatures over State. February finished 13° subnormal. Rapid warming beginning of March completed week with 1° above normal average. Record low tide at Mobile on 26th.

Patchy, light rain Tennessee Valley 28th. Farmers made considerable headway with fieldwork as open weather prevailed much of week. Good progress made preparing land and applying chemicals and fertilizer. Scattered showers and wet ground delayed fieldwork in several localities north. Warm temperatures and sunshine latter part of period favored development of small grains. Growth especially good where fertilizer applied earlier. Rust observed few fields south. Planting Irish potatoes nearly complete Baldwin County area, just starting on Sand Mountains. Livestock mostly fair as stockmen continued light supplemental feeding.

ARIZONA: Strong high pressure through Friday. Temperatures 3° to 8° above normal. Upper air disturbance moved across State weekend. Precipitation associated with disturbance generally light, spotty. Generally very windy across State entire weekend.

Small grain growth slowed by cold nights some areas. Lower elevation areas normal progress between jointing, boot stage. Late planting continued. Late planting safflower virtually complete, early plantings progressed satisfactorily. Preparation for 1974 cotton crop progressing well. Spring harvest sugar beets progressed normally. Haying expected to pick up in couple weeks.

Lettuce harvest continued full swing Yuma area. Market conditions improved. Planting lettuce spring harvest still active central areas. Earlier planted fields good stands thinning underway. Harvest mixed vegetables active central, west. Planting for later harvest underway. Planting melons continued Yuma, Salt River Valley. Vines making good progress Yuma area. Melons Salt River Valley showing good growth.

Valencia orange harvest full swing Yuma, Salt River Valley. Market conditions relatively weak. Grapefruit harvest active but limited. Lemon harvest complete. Kinnow picking underway, good demand. Groves very good condition, rapid new growth. Bloom prevalent most groves. Most ranges poor to fair. Greenlee, Gila Counties very dry. Precipitation needed to green up feed supply. Stockwater, soil moisture mostly short statewide. Condition cattle, calves generally fair to good. Sheep, lambs poor to fair most areas, fair to good Navajo, Pinal Counties.

ARKANSAS: Warm, dry week with temperatures 6° to 12° above normal. Greatest departures across north: Gilbert 12° above normal and Harrison and Fayetteville 11° above. Least departures south with El Dorado 6° above and Camden 7° above. Extremes: 84° at Gilbert and Calico Rock on 3d and 10° at Gilbert on 26th. Cold early week, warm late week. Dry entire week with only measurable precipitation 0.02 in. at El Dorado.

Land preparation well underway statewide. Many rice levees are up. Progress about normal for this date. Farmers also applying phosphorus, potassium and anhydrous ammonia fertilizers. Winter pasture made very good growth last week, topdressing with nitrogen about complete except in low lying wet

areas. Cattle grazing winter pasture but still on full feed. Flething condition poorer than normal. Orchards northwest coming into full bloom. Producers fear a damaging late freeze.

CALIFORNIA: Warm afternoons but cold nights early week, many areas reported freezing or near freezing temperatures overnight. Series of storms began about midweek, adding new snow to mountain areas and from about 1.00 to 3.00 in. precipitation much of north half of State. Seasonal precipitation totals continued well above normal most of State.

Rain slowed fieldwork north half State. Non-irrigated small grains south showing stress from lack of moisture. Cotton fields ready to plant. Almonds full bloom. Plums, prunes, peaches, apricots blooming. Valencia orange crop sizing and showing color. Desert grapefruit not sizing. Dates blooming. Harvesting tangerines, Navel oranges, Lemons, desert grapefruit and avocados.

Artichokes slow, some increase Santa Maria. Asparagus steady south, good processing production central valley. Broccoli strong Santa Maria, Oceana. Cauliflower light. Cabbage completed desert. Carrots steady. Celery nearly complete San Diego. Lettuce continued Imperial with variation of quality. Strawberries beginning in Orange, Los Angeles Counties. Tomato planting continued as weather permitted.

Rangelands north half State very good condition. Many areas in south started to turn brown from lack of rain. Showers late week north of Tehachapi should improve ranges. Supplemental feeding continued, but decreased on pastures, ranges capable of supporting livestock. Lambs, calves doing well all areas. Egg, milk production increased seasonally.

COLORADO: Under influence of high pressure high temperatures averaged 15° to 20° above normal eastern slope, 5° to 10° below normal mountain valleys and western slopes where a snow cover still persisted. Gusty westerly winds midweek with advent of another fast moving Pacific cold front and again towards end of week. Westerly down slope winds caused temperatures to reach upper 70's southeast to low 70's northeast on Friday when LaJunta had 79°. Precipitation very sparse statewide. Highest was 0.07 for Kansas River Basin. Elsewhere little or none received. Coldest spot in State for week was Gunnison which averaged zero degrees.

Generally warm, dry weather eastern plains cleared snow most areas. Field activity remained generally slow but expected to gain momentum next two weeks. West slope remains under 6 to 10 in. snow pack. Winter wheat and barley generally good condition with wind damage reported local areas. About 10% winter wheat acreage pastured. Supplemental feeding livestock necessary most areas. Hay and roughage supplies adequate. Livestock generally good. Cows 17% calved and ewes 6% lambled to date with about normal death loss.

FLORIDA: Cold Monday through Thursday. Rising temperatures Friday through Sunday. Temperatures averaging below normal. Rainfall none to very light.

Soil moisture adequate most of State, except central and south. Fieldwork for spring planting active. Few field crops planted. Freezing tem-

peratures 26th and 27th damaged young peaches and blooms, set back winter forage crops. Sugarcane harvest continued active. Pastures very poor to fair. Cattle and calves fair to good. Citrus tree condition excellent -- little or no freeze damage -- bloom continued -- rain needed all areas -- warm temperatures will help bloom.

Vegetable crop damage from cold generally light to moderate. Some potato acreage severely burned, but little or no acreage loss expected. Cabbage, sweet corn, pepper, celery, tomato movement steady. Lettuce, escarole increased. Snap beans, potatoes, strawberries fell off. Other crops in seasonal supply.

GEORGIA: Coldest week of season since just before Christmas. Temperatures averaged 6° to 8° below normal north and 8° to 12° below south. Very cold midweek with lowest Tuesday morning, near 10° mountains to 26° at Brunswick. Warming trend established Thursday into weekend. No appreciable precipitation anywhere in State last 7 days.

Soil moisture mostly adequate to excessive. Some freeze damage in small grains but full extent not yet known. Some mildew and rust problems on early planted wheat in southcentral. Freeze caused some peach bud kill but still enough buds for good crop. Lack of cold hours still a problem. Some kill reported in tobacco plant beds south. Pastures, cattle good.

HAWAII: Weather dry and favorable. Heavy irrigation necessary to maintain good crop growth. Insects and diseases heavy; spraying intensified to minimize damage. Supplies of most vegetables increasing. Production of bananas and papayas declining. Pastures and cattle in good condition. Forage feed plentiful. Sugar harvesting becoming more active. Harvesting of pineapples active.

IDAHO: Fair skies and cool temperatures early week followed by series of fronts spreading from north to southeast with light rain or snow showers and gusty-damaging winds at end of week. Highs upper 40's southeast to low 60's southcentral and southwest. Lows from below zero southeast to teens and low 20's elsewhere. Precipitation subnormal except in north. Snow depths increased several inches most higher stations.

Main activities: Caring for livestock, calving and lambing. Periods of cool, wet, and windy weather hampered feeding operations some localities. Feed supplies adequate, except north. Livestock generally in satisfactory condition although some scours and pneumonia in north Idaho calf crop. Applied fertilizer lower elevation fields. Temporary reduction in potato marketing.

ILLINOIS: Temperatures much above normal. Highs 25th and 26th ranged 20's north to 40's south, lows 6° north to low 20's south. Rapid warming trend began 27th, continued through weekend; 80's Sunday. Precipitation trace amounts. Widespread light rain 27th and 28th.

Main activities livestock care, machinery repair, fertilizer application, and routine farm chores.

INDIANA: Cool, then warm. Temperatures averaged 10° above normal and ranged from 2° at Indianapolis on 26th to 75° at Lafayette on 3d. State precipitation averaged 0.10 to 0.50 in. Soils thawed except thin layer 8 in. deep in muck soils extreme north. Thawing conditions limited field-work. Spreading fertilizer and seeding legumes in localized areas. Other activities included

caring for newborn pigs, lambs and calves, plus stocking supplies for 1974 season.

IOWA: A warm, dry week. Temperatures averaged well above normal, varied from 16° or 17° above normal northwest to 7° or 8° above east. Record warmth reported some localities including 76° on the 2d at Sioux City, which was highest of record so early in season. Precipitation negligible until early the 4th when rain spread over southeast half of Iowa.

KANSAS: Temperatures 16° above normal northwest to 12° above normal southcentral. Highs in 80's recorded, Garden City and Coffeyville. Precipitation generally very light. Only appreciable amount from 0.25 to 0.69 in. extreme northeast Sunday night.

Winter wheat greening from warm temperatures. Localities in west two-thirds State experienced light to moderate wind damage. Some emergency strip-tilling of late wheat. Wind depleting top-soil moisture southwest fourth of State. Most ground cover on wheat fields short but late planted fields improving. Insect damage negligible. Fertilizing continued, supplies being depleted eastern half of State. Spring barley acreage planted 10%, 2% in 1973, 5% average. Spring oats acreage planted 15%, 5% in 1973, 10% average. Spring preparation for row crops underway. Soil moisture adequate except in southwest quarter. Supplemental feeding of livestock somewhat lessened. Spring calving and lambing continued. Feed grain, hay, and forage supplies adequate.

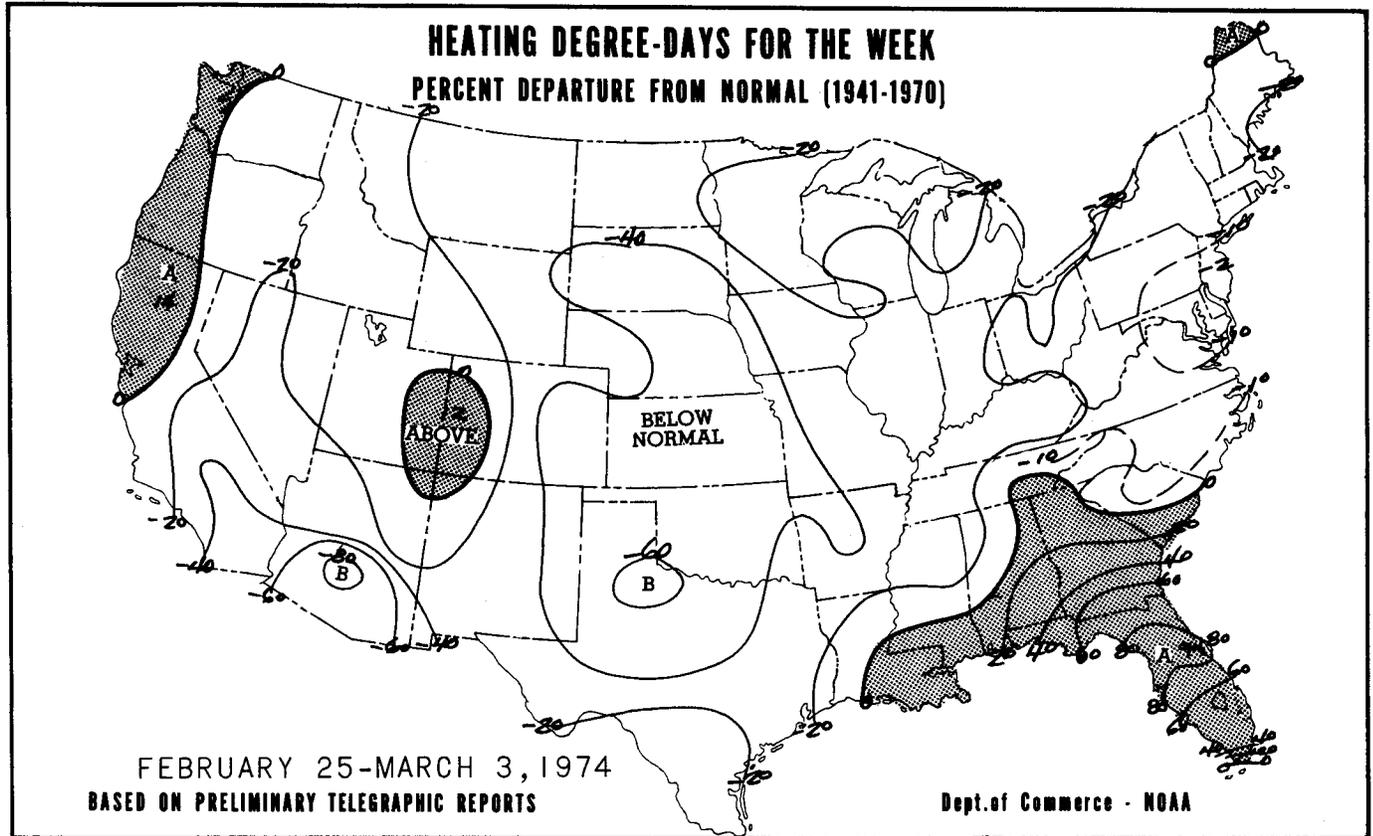
KENTUCKY: Temperatures subnormal early week, near normal midweek, and unseasonably warm Thursday through Sunday. Rainfall amounts averaged less than 0.10 in. with some amounts near 0.25 in. locally Thursday and Friday.

Warm and windy weather drying soil and allowing farmers into fields. Plowing active on well drained soils. Fertilizer in tight supply but being applied on wheat. Wheat condition good, barley variable. Small grains green, showing some growth. Cattle mostly satisfactory condition, benefiting from mild winter. Land values continue upward, especially rapid near urban areas.

LOUISIANA: Temperatures normal to 3° below south, 3° to 7° above normal north. Very cold early week. Hard freezes most areas Monday and/or Tuesday morning. Rapid warming later in week, reaching near 80° over weekend. Extremes: 82° Shreveport Sunday, 19° Ashland Monday. Most days cloudless, no precipitation.

Farmers began land preparation on higher, well drained soils. Irish potato planting active -- most farm plots planted, some commercial acreage remains to be planted. Some freeze damage to strawberries 26th, 27th. Limited harvest continued. Vegetable planting New Orleans area. Sugarcane shaving, off-barring and herbicide application where soil conditions permitted. Small grains fair, applied fertilizer where fields dry enough. Pasture 67% average, 33% below average. Freezes and frost retarded growth. Cattle 60% fair, 35% good and 5% poor. Some reports of cattle marketing because of flooded pasture.

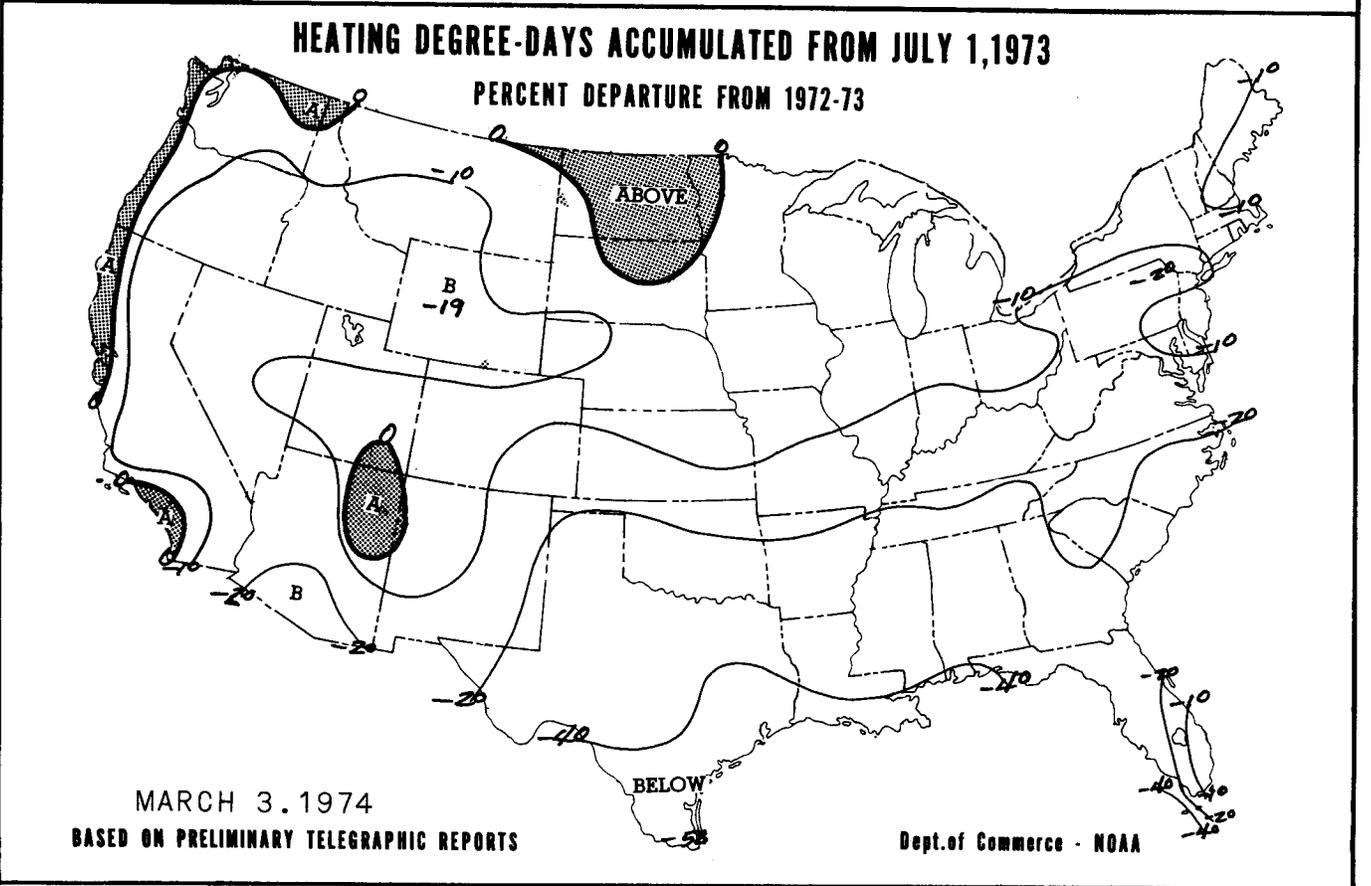
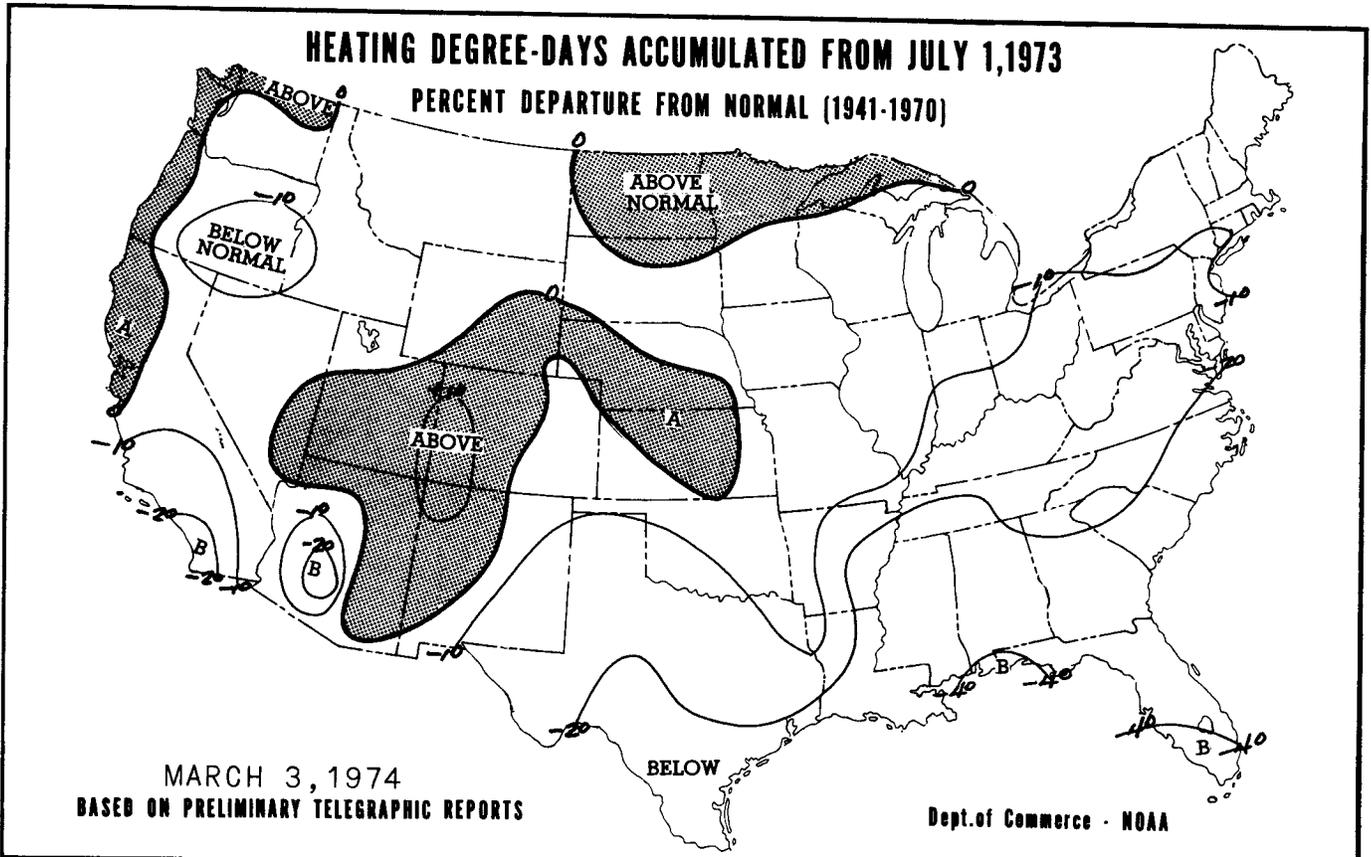
MARYLAND AND DELAWARE: Temperatures near normal except 3° subnormal in west and 3° above northcentral Maryland. Highs ranged from upper 50's to low 70's, lows from low teens to low 20's except Garrett County with range from 2° to mid-40's. Weekend was springlike. Precipitation light, mostly under 0.50 in. except near 1.00 in. west Maryland.



HEATING DEGREE DAYS
- The Outlook -

Another exceptionally warm week over most of the Nation has helped to all but eliminate concern over the possibility of a serious heating fuel crunch during the current heating season. The 30-days and 90-day outlooks which appear on p. 11 and 12, respectively, verify this conclusion. The 30-day temperature outlook calls for normal or above normal temperatures over the entire country except in the southeast and far northwest. The eastern megalopolis is expected to have near normal temperatures. All of the mountain states and the western Plains are expected to have above normal temperatures.

This same area is expected to average below normal temperatures over the next 90 days, while the area stretching from the Great Lakes to south Texas and eastward to the Atlantic is expected to be above normal except for the New England area which is indeterminate at this time.

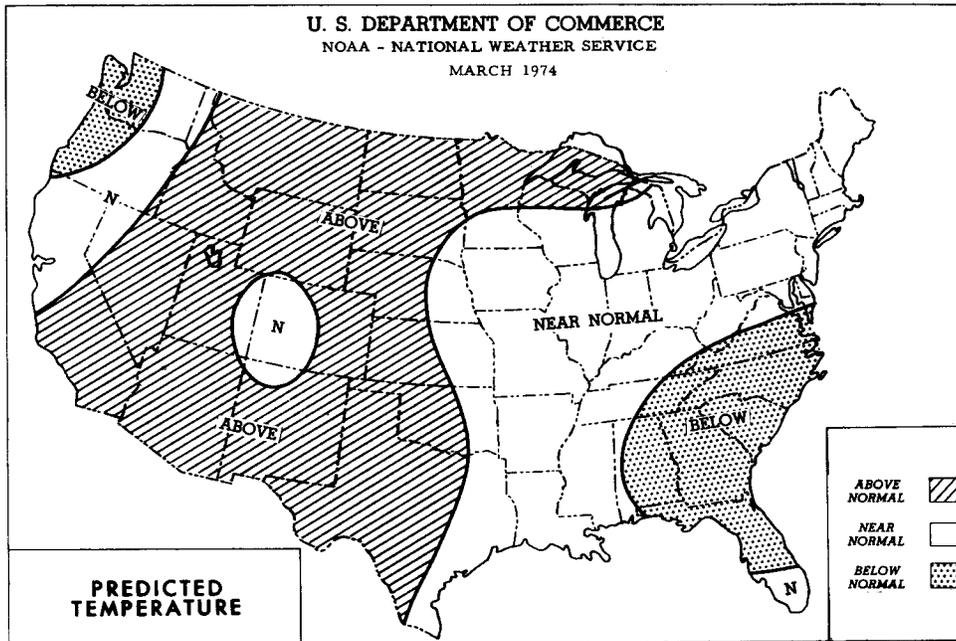
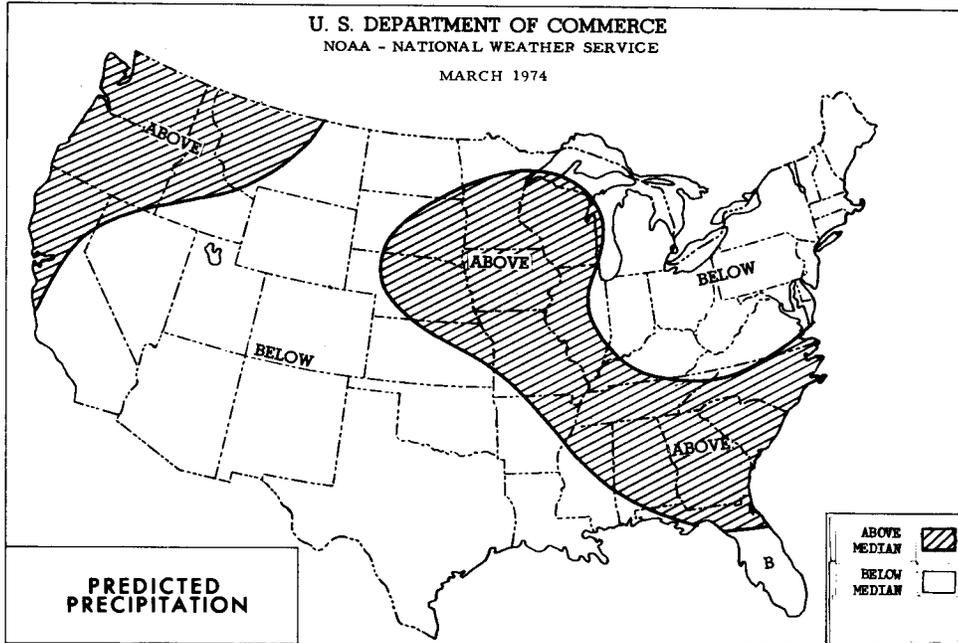


Heating Degree Days (Base 65°) For Week Ending March 3, 1974

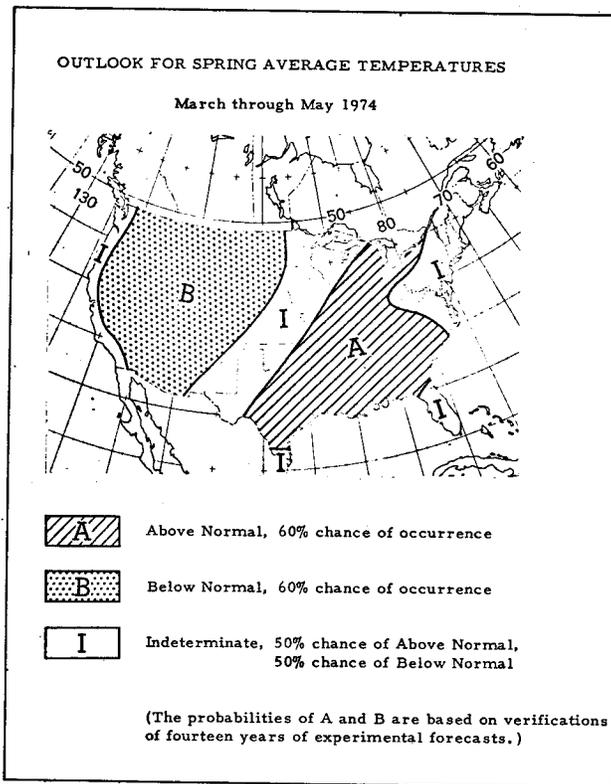
States and Stations	Weekly		Seasonal † Accumulation			States and Stations	Weekly		Seasonal † Accumulation			States and Stations	Weekly		Seasonal † Accumulation		
	TOTAL	Departure*	TOTAL	Departure*	Departure From 1972-73		TOTAL	Departure*	TOTAL	Departure*	Departure From 1972-73		TOTAL	Departure*	TOTAL	Departure*	Departure From 1972-73
ALA.Birmingham	93	-22	1831	-536	-733	Portland.	218	-55	5000	-428	-590	Tulsa.	68	-81	2828	-183	-664
Mobile	81	10	886	-567	-559	MD.Baltimore.	177	-16	3374	-298	-260	OREG.Astoria.	160	13	3761	207	255
Montgomery	109	19	1405	-519	-527	MASS.Boston	191	-33	3831	-313	-363	Burns.	213	-9	4966	-213	-447
ARIZ.Flagstaff	182	-49	4749	-349	-966	MICH.Alpena	250	-61	5821	-274	-270	Medford.	174	20	3217	-365	-406
Phoenix	9	-50	1015	-316	-259	Detroit	195	-52	4607	-203	-297	Pendleton.	139	-25	3595	-344	-661
Tucson	22	-48	1447	21	-377	Flint	201	-67	4876	-330	-180	Portland.	147	0	3192	-241	-90
Winslow	144	-19	3799	109	183	Grand Rapids.	204	-60	4901	-153	-331	Salem.	156	9	3485	68	-198
Yuma	15	-20	840	-59	-192	Houghton Lake	257	-53	5792	-297	-305	PA.Allentown.	205	-24	3957	-468	-434
ARK.Fort Smith	86	-49	2576	-197	-752	Lansing	202	-65	5025	-116	-386	Erie.	204	-58	4418	-527	-470
Little Rock.	79	-58	2227	-554	-643	Marquette	245	-55	5813	-117	-388	Harrisburg.	194	-14	3602	-467	-328
CALIF.Bakersfield.	45	-29	1518	-269	-307	Muskegon.	225	-40	4954	-76	-85	Philadelphia	195	113	3417	-326	-274
Eureka	127	8	3179	108	195	S. Ste. Marie	282	-47	6551	-10	-68	Pittsburgh	196	-34	3922	-600	-449
Fresno	73	-19	1995	-108	-296	MINN.Duluth	287	-54	7227	84	-433	Scranton	238	-40	4622	-788	-985
Los Angeles.	49	-14	957	-240	45	Internat Falls	292	-77	7662	-230	-119	R.I.Providence	191	-41	4010	-363	-305
Red Bluff.	107	13	2167	96	-348	Minneapolis	255	-56	6027	-294	-335	S.C.Charleston	102	9	1136	-675	-534
San Diego.	33	-23	787	-250	-43	Rochester	269	-41	6090	-130	-446	Columbia.	93	-17	1332	-857	-776
Stockton	83	-15	1997	-174	-249	St. Cloud	293	-36	6618	-105	-392	Greenville.	127	-4	2245	-350	-364
COLO.Denver.	130	-87	4437	54	-377	MISS.Jackson.	86	-10	1468	-479	-627	S.DAK.Aberdeen	202	-115	6640	81	345
Grand Junction	219	23	4936	543	-284	Meridian	78	-18	1338	-692	-661	Huron.	170	-131	5894	-251	-144
Pueblo	112	-86	4056	-66	-628	MO.Columbia	128	-72	3875	-115	-442	Rapid City.	132	-130	5147	-175	-511
CONN.Bridgeport.	198	-25	3593	-375	-629	Kansas City	116	-87	3969	-96	-404	Sioux Falls.	171	-121	5734	-251	-392
Hartford	207	-39	4318	-456	-329	St. Louis	131	-59	3736	-27	-314	TENN.Chattanooga	155	15	2360	-505	-846
DEL.Wilmington	184	-16	3330	-460	-132	Springfield	97	-83	3269	-341	-629	Knoxville.	126	-16	2346	-488	-626
D.C.Washington	140	-36	2640	-691	-511	MONT.Billings	164	-86	4960	-331	-848	Memphis.	85	-47	2117	-556	-935
FLA.Apalachicola	94	34	718	-462	-352	Glasgow	219	-104	6459	-252	-116	Nashville.	125	-26	2411	-603	-544
Daytona Beach.	76	33	472	-306	-209	Great Falls	180	-79	5392	-124	-343	TEX.Abilene.	47	-56	1838	-346	-1017
Ft. Myers.	35	12	232	-186	-110	Havre	203	-104	6124	-462	-156	Amarillo.	84	-78	2876	-409	-1001
Jacksonville	105	46	802	-349	-273	Helena.	199	-60	5757	-214	-967	Austin.	47	-24	1179	-321	-754
Key West	0	-5	30	-32	-31	Kaispell	224	-42	5667	-555	-631	Brownsville.	25	-4	377	-198	-513
Lakeland	60	26	371	-229	-217	Miles City.	194	-86	5475	-458	-572	Corpus Christi	33	-8	633	-194	-535
Miami.	19	6	131	-63	-7	Missoula	201	-45	5411	-411	-522	Del Rio.	46	-9	988	-379	-657
Orlando.	68	33	393	-229	-96	NEBR.Grand Island	118	-123	4989	-67	-244	El Paso.	74	-25	2057	-246	-275
Tallahassee.	114	48	946	-423	-386	Lincoln	142	-95	4999	172	-174	Fort Worth.	51	-48	1624	-377	-742
Tampa.	66	31	398	-236	-187	Norfolk	148	-118	5164	-186	-415	Galveston.	44	-14	653	-388	-647
W. Palm Beach.	24	8	171	-109	-8	North Platte.	151	-93	5271	201	-409	Houston.	46	-15	995	-252	-708
GA.Atlanta.	132	5	1925	-610	-563	Omaha	147	-106	4990	-96	-326	Lubbock.	57	-84	2316	-562	-1081
Augusta.	121	16	1675	-470	-375	Valentine	144	-124	5214	-230	-593	Midland.	53	-50	1855	-362	-945
Macon.	117	24	1333	-576	-483	NEY.Ely	206	-39	5518	19	-444	Beaumont.	59	-4	981	-329	-735
Savannah	103	22	1088	-578	-335	Las Vegas	70	-25	2176	-4	-323	San Angelo	45	-42	1486	-429	-888
IDAHO.Boise.	153	-34	3910	-432	-558	Reno.	177	-6	4071	-244	-709	San Antonio.	51	-12	1116	-256	-618
Lewiston	168	-2	3882	-212	-332	Winnemucca.	158	-45	4314	-448	-741	Victoria	42	-10	737	-337	-695
Pocatello.	202	-29	5074	-105	-615	N.H.Concord	235	-38	5415	-49	-612	Waco.	49	-36	1442	-316	-925
ILL.Cairo.	108	-50	2832	-304	-533	N.J.Atlantic City	187	-14	3336	-414	-202	Wichita Falls.	48	-70	1994	-426	-983
Chicago.	166	-74	4471	-196	-281	Trenton	199	-4	3442	-333	-261	UTAH.Salt Lake C	175	-28	4368	-115	-537
Moline	193	-57	4797	-155	-143	N.MEX.Albuquerque	116	-43	3609	185	-200	VT.Burlington.	263	-37	5656	-179	-505
Peoria	171	-66	4540	-186	-389	Roswell	82	-55	2636	-426	-455	VA.Lynchburg.	144	-28	2900	-455	-448
Rockford	209	-52	4943	-288	-216	N.Y.Albany	229	-37	5112	-79	-133	Norfolk.	124	-26	2131	-609	-460
Springfield.	163	-57	4070	-280	-449	Binghamton.	239	-39	4902	-451	-590	Richmond.	138	-24	2629	-519	-400
IND.Evansville	118	-67	3144	-547	-764	Buffalo	215	-53	4762	-273	-288	Roanoke.	141	-31	2844	-540	-520
Fort Wayne	183	-57	4474	-242	-228	New York.	197	-9	3363	-333	-421	WASH.Quillayute.	181	20	4276	270	148
Indianapolis	161	-57	3792	-536	-476	Rochester	212	-52	4597	-344	-259	Seattle-Tacoma	154	0	3436	-198	-217
South Bend	161	-88	4214	-647	-445	Syracuse.	225	-39	4828	-98	-178	Spokane.	198	-12	5001	-33	13
IOWA.Burlington	170	-70	4546	-229	-380	N.C.Asheville	162	-2	2681	-640	-447	Walla Walla.	135	-19	3367	-339	-587
Des Moines	182	-79	4811	-368	-630	Hatteras.	115	-11	1454	-638	-410	Yakima.	182	-1	4313	-257	-339
Dubuque	225	-50	5386	-169	-291	Charlotte	121	-14	2257	-378	-511	W.VA.Beckley.	178	-33	3544	-720	-585
Sioux City	147	-119	5006	-377	-435	Greensboro.	137	-19	2728	-357	-512	Charleston	155	-26	3057	-557	-520
KANS.Concordia	107	-108	3297	-1061	-1358	Raleigh	121	-24	2232	-613	-621	Huntington	148	-37	3024	-609	-709
Dodge City	84	-111	3783	-128	-645	Wilmington.	97	-10	1362	-658	-562	Parkersburg.	159	-34	3292	-473	-428
Goodland	122	-102	4558	-7	-527	N.Dak.Bismarck.	239	-92	7129	303	393	WIS.Green Bay.	238	-65	5729	-304	-116
Topeka	117	-84	4086	-37	-311	Fargo	282	-63	7307	268	155	LaCrosse.	225	-62	5471	-225	-339
Wichita.	107	-76	3770	48	-495	Williston	241	-87	6951	58	10	Madison.	231	-58	5534	-279	-204
KY.Lexington	146	-42	3099	-620	-433	OHIO.Akron-Canton	212	-29	4075	-596	-354	Milwaukee.	214	-62	5032	-440	-359
Louisville	132	-53	2972	-694	-524	Cleveland	190	-52	3964	-617	-514	WYO.Casper.	195	-64	5524	116	-593
LA.Baton Rouge	72	4	955	-502	-524	Columbus.	173	-49	3780	-608	-450	Cheyenne.	169	-76	5123	17	-643
Lake Charles	63	-1	933	-366	-696	Cincinnati.	166	-36	3589	-356	-430	Lander.	207	-52	5675	-68	-1320
New Orleans	70	8	848	-426	-592	Dayton.	186	-37	3927	-409	-358	Sheridan.	173	-87	5446	-134	-523
Shreveport	64	-25	1680	-163	-510	Toledo.	194	-50	4679	-136	-237						
MAINE.Caribou.	341	4	6926	-72	-658	Youngstown.	212	-37	4391	-403	-580						
						OKLA.Okla City.	70	-79	2781	-229	-762						

* Based on 1941-70 Normals. † Accumulated from July 1, 1973.

AVERAGE MONTHLY WEATHER OUTLOOK



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



Heating Degree Days (Base 65° F.)

February 1974

ALA. Birmingham	491	MAINE, Caribou	1512	OKLA. Okla. City	573
Mobile	288	Portland	1126	Tulsa	566
Montgomery	419	MD. Baltimore	868	OREG. Astoria	639
ALASKA, Anchorage	1416	MASS. Boston	1000	Burns U.	896
Barrow	2617	Chatham	1327	Medford	703
Fairbanks	2322	MICH. Alpena	1225	Pendleton	589
Juneau	1006	Detroit	1152	Portland	610
Nome	2083	Flint	1230	Salem	658
ARIZ. Flagstaff	960	Grand Rapids	1225	PA. Allentown	968
Phoenix	229	Houghton Lake	1411	Erie	1128
Tucson	362	Lansing	1270	Harrisburg	911
Winslow	849	Marquette U	1254	Philadelphia	926
Yuma	190	S. Ste. Marie	1421	Pittsburgh	978
ARK. Fort Smith	565	MINN. Duluth	1508	Scranton	1135
Little Rock	533	International Falls	1541	R. I. Providence	1003
CALIF. Bakersfield	333	Minneapolis	1244	S. C. Charleston	378
Bureka U.	523	Rochester	1372	Columbia	394
Fresno	438	St. Cloud	1466	Greenville	584
Los Angeles U	160	MISS. Jackson	920	S. DAK. Aberdeen	1205
Red Bluff	461	Meridian	390	Huron	1131
Stockton	454	Vicksburg U	---	Rapid City	905
San Diego	184	MO. Columbia	825	Sioux Falls	1133
San Francisco	424	Kansas City	823	TEXN. Chertanooga	604
COLO. Denver	831	St. Louis	804	Knoxville	606
Grand Junction	1280	Springfield	708	Memphis	535
Pueblo	782	MOON. Billings	811	Nashville	641
CONN. Bridgeport	989	Glasgow	1103	TEX. Abilene	389
Hartford	1056	Great Falls	864	Asarillo	633
D. C. Washington	716	Havre	979	Austin	258
FLA. Apalachicola	244	Helena	977	Beaumont	288
Ft. Myers	73	Kalispell	926	Brownsville	102
Jacksonville	287	Miles City	942	Corpus Christi	151
Key West	17	Missoula	919		
Lakeland U.	144	NBR. Grand Island	904	Del Rio	291
Miami	37	Lincoln	941	El Paso	558
Orlando	173	Norfolk	987	Fort Worth	353
Dayton Beach	197	North Platte	891	Galveston U.	181
Tallahassee	335	Omaha	981	Houston	273
Tampa	159	Valentine	970	Lubbock	536
GA. Atlanta	531	NEV. Ely	1021	Midland	429
Augusta	456	Las Vegas	800	San Angelo	352
Macon	412	Reno	800	San Antonio	262
Savannah	340	Winnemucca	809	Victoria	183
IDAHO, Boise	728	N. H. Concord	1223	Waco	322
Lewiston	658	N. J. Atlantic City	885	Wichita Falls	418
Pocatello	979	Trenton U	915	UTAH, Blanding R	---
ILL. Cairo U.	656	N. MEX. Albuquerque	754	Salt Lake City	936
Chicago	1058	Roswell	899	VT. Burlington	1378
Moline	1061	N. Y. Albany	1216	VA. Lynchburg	736
Peoria	991	Binghamton	1193	Norfolk	599
Rockford	1142	Buffalo	1187	Richmond	691
Springfield	901	New York	919	Roanoke	732
IND. Evansville	696	Rochester	1187	WASH. Colville	962
Fort Wayne	1091	Syracuse	1206	Omak	---
Indianapolis	803	N. C. Asheville	880	Quilley	773
South Bend	1028	Charlotte	583	Seattle-Tacoma	606
IOWA, Burlington	985	Greensboro	664	Spokane	824
Des Moines	1033	Hattaras R.	1076	Walla Walla U.	578
Dubuque	1244	Hatfield	614	Yakima	692
Sioux City	973	Wilmington	428	W. VA. Beckley	859
KANS. Concordia	803	N. DAK. Bismarck	1389	Charleston	775
Dodge City	692	Fargo	1530	Huntington	754
Goodland	825	Williston U	1258	Parkersburg U	824
Topeka	807	OHIO, Akron-Canton	1060	WIS. Green Bay	1334
Wichita	732	Cincinnati U.	863	Madison	1298
KY. Lexington	767	Cleveland	1035	Milwaukee	1173
Louisville	714	Columbus	940	WYO. Casper	1044
LA. Baton Rouge	285	Dayton	986	Cheyenne	922
Lake Charles	272	Toledo	1166	Lander	1055
New Orleans	274	Youngstown	1103	Sheridan	687
Shreveport	386				

Preliminary reports from airport locations, except those marked U for urban and R for rural.
*Estimated.

(Continued from Page 7)

showers caused by Pacific fronts most frequent west division with heavy snows across south-central division late week. Gusty winds continued east slopes.

Snow protection on winter wheat generally poor statewide. Wind damage moderate in parts of northcentral, central and southcentral districts--mostly light elsewhere. Condition of winter wheat fair to good except mostly good southcentral and southeast. Livestock feed supplies mostly adequate for balance of winter with localized shortages. Livestock losses from weather and disease same or less than normal. Calving and lambing 15% complete. Shearing almost 15% done. Winter range condition poor northwest and central, poor to fair in north-central and southwest, fair to good northeast and southcentral, mostly good southeast. Grazing mostly open.

NEBRASKA: Temperatures above normal entire State 15° to 20°. Daily readings toward end of week 20° to 30° above normal. Precipitation statewide nearly nonexistent during week.

Moisture supplies adequate. Open weather ideal for livestock. Hay and feed supplies adequate. Calving and lambing in full swing. Wheat condition good except downy brome grass problem in panhandle. Limited spring tillage begun.

NEVADA: High temperatures averaged 2° subnormal, lows 4° above normal. Extremes: 74° at Las Vegas, 6° at Ely. Precipitation extensive except extreme south. Amounts varied from trace at Las Vegas to 2.35 in. at Verdi.

Livestock generally good condition. Calving widespread. Deaths normal, some loss to coyotes. Hay plentiful. Prolonged ice cover caused some damage to alfalfa in local areas. Winter grains good. Warmer weather needed for seedbed preparation.

NEW ENGLAND: Temperatures near to slightly below normal early week with a low reading of 9° below zero at Caribou, Maine, early Monday. Temperatures moderated thereafter to slightly above normal by late week with a high of 56° at Boston and Portland on Friday before cooling off again over weekend.

Snow and some rain fell Monday mostly over extreme south. Chatham, Mass. received 2 in. of snow. Showers on Thursday and early Friday were followed by flurries over northern sections. Snow north and mostly drizzle south on Saturday and Sunday.

Maple tree tapping nearly completed. Some sirup produced all areas under stimulus of above seasonal temperatures. Snow cover unusually light for this date.

NEW JERSEY: Temperatures 6° to 8° subnormal on 26th, rising to 8° to 12° above normal on 3rd. Extremes: 9° at East Millstone on 27th, 64° at Glassboro on 3rd. Snowstorm on 25th, and 26th dumped 12 in. on Freehold, 9 in. on Long Branch, 6 in. on Trenton, amounts less than 1 in. north and northwest. Total weekly precipitation ranged from 0.30 to 0.80 in. statewide.

NEW MEXICO: A dry week with only a few sprinkles northcentral sections over weekend. Week began cold and warmed rapidly through midweek, remained quite warm into weekend. Temperatures in 80's south Friday and Saturday. Temperatures averaged 2° to 10° above March 1 normals statewide. Considerable windiness early and late in week.

Clearing trend with high winds. Moisture mostly

short to very short. Some frost damage to fruit trees. Ranges mostly fair. Livestock fair. Wheat, barley fair to good, aphid infestations continued. Land preparation for spring plantings continued.

NEW YORK: Above normal temperatures and light precipitation. Coldest early week with moderating temperatures thereafter. A warm front moved through southwest Sunday causing a record breaking 70° at Buffalo. Rochester reported 65°. Zero degree reading Tuesday at Saranac Lake was weekly low.

Precipitation averaged 0.33 in. or less, several stations reported less than 0.10 in. Only significant snow depths were in higher terrain of north-east. Boonville with 20 in. reported highest, but amounts this area well below normal.

NORTH CAROLINA: After a cold beginning, week ended unseasonably warm. Fieldwork 3.0 days. Potato planting got underway coastal counties. Cabbage setting continued. Little frost damage to grain crop. Small grains mostly good condition. Topdressing widespread, gasoline shortage hampered spreading several areas. Tobacco beds seeded Eastern and Border Belts. Pasture growth coming on strong.

NORTH DAKOTA: Temperatures ranged from near normal east to 3° or more above normal west. McClusky and McHenry reported 9° below zero on 25th for lowest readings. Temperatures warmed rapidly to 20° east and 50's southwest by Monday afternoon and remained relatively mild most of week. Warmest day generally March 1 when temperatures ranged from low 30's extreme northeast to 60's in extreme southwest. Highest was 69° at Lemmon, South Dakota. Slight cooling over weekend.

Precipitation generally light for week. About 1 to 3 in. new snow fell over north 27th night and 28th morning with strong winds gusting briefly to more than 50 mph. Blizzard conditions prevailed for few hours northcentral and northeast. Farmers preparing for spring work. Most of snow melted, some cattle on winter pasture in southwest. Few cow herds starting to calve.

OHIO: Winter storm covered State with 1 to 4 in. snow Monday and Tuesday and very cold arctic air with lows less than 10° some areas. Light rain, showers and thundershowers across State Thursday and Friday, precipitation less than 0.50 in. Slow warming trend Wednesday through Sunday. Sunny, warm and springlike weather Saturday and Sunday with record highs Sunday of 77° at Ironton, 75° at Columbus and Zanesville.

Fertilizer being sought. Hay supplies adequate most areas. Maple sirup being made. Farmers looking forward to early spring.

OKLAHOMA: Temperatures averaged from 5° below normal southeast to 6° above normal in panhandle. Precipitation averaged only traces north two-thirds of State. Weekend warm and mostly dry.

Wheat greening up under fair skies and warm temperatures following rains previous week. Most westcentral and northwest counties still short of surface soil moisture. Spring planting small grains progressed well; spring oats, barley 75% seeded. High winds continued slight erosion isolated areas. Greenbugs, cut worms remained active several southwest and westcentral counties. Topdressing small grains continued where fertilizer was available. Little fieldwork in east due to wet soil. Dormant spraying fruit trees in progress. Cattle in good flesh, supplemental

feeding easing seasonally. Marketings light in face of declining prices.

OREGON: Precipitation along coast and in western valleys averaged over 2.00 in. Precipitation in east 0.10 to 0.50 in. Temperatures over State averaged near seasonal normal. Highs midweek 40's to mid-60's. Lows 30's west, teens and 20's east of Cascades. Coldest nights were first two days of week.

Condition early seeded grains excellent, some damage to oats and clover. Orchard pruning about completed. Concern over completion of dormant spraying. Movement potatoes from storage continued, onions near completion. Calving, lambing full swing. Heavy feeding, most hay supplies adequate to short. Fertilizer supplies short. High winds March 1 uprooted some trees and de-roofed some outbuildings.

PENNSYLVANIA: Moderating temperatures through week averaged from near normal east two-thirds to 5° to 7° above normal west where highs reached 75° Sunday afternoon. Extreme low 1° below zero northcentral Wednesday morning. Cloudy most days with precipitation beginning, midweek and weekend but amounts generally less than 0.50 in. Only northwest got from 0.75 to 1.25 in. Snowfall totaling 5 in. extreme southeast Monday but by midweek most remaining snow cover melted statewide.

PUERTO RICO: Island average rainfall 0.39 in. or 0.28 in. below normal. Highest weekly total 1.82 in. at San Lorenzo followed by 1.42 in. at Morovis. Highest 24-hour total 1.25 in. at Morovis. Temperatures averaged about 76° coasts and 71° interior with mean station temperatures ranging from 61° Pico Del Este to 79° Roosevelt Roads. Extremes: 90°, 49°.

Harvest continued normal and sugar percentage increased due favorable weather. Coffee field operations including drying of beans continued under favorable weather. Good flowering of trees reported. Weather favored harvest and drying of tobacco. Weather favored development of pastures, fertilizing and cultivating. Few westcentral areas need more rain. Soil preparation for planting and cultivation of food crops continued over most sections under favorable weather. In Barranquitas, yams and plantains were planted and root celery and plantains harvested.

SOUTH CAROLINA: Temperatures ranged from below normal early week to above normal end of week. Average temperatures mostly in 40's. Rainfall averaged less than 0.25 in. occurring early week. Cold front moved across State Monday with coldest weather since December over much of State midweek.

Farmers busy pruning peach trees, poisoning tobacco beds, topdressing small grains, and preparing land for spring planting.

SOUTH DAKOTA: Third consecutive week mid-spring weather conditions. Temperatures averaged 20° to 30° above early March normal. In west two-thirds, temperatures rose into 60's and 70's most of week. Pierre and Philip reported 80° March 2 for State's high. Sioux Falls on 2d and Belle Fourche on 1st had record highs of 74° and 71°, respectively. Cooler in northeast with highs in 40's and 50's. State's low was 3° below zero at Waubay on 25th. Snow amounts northeast reduced to less than 2 to 3 in. Only 3 locations received measurable precipitation during week.

Moisture deficiency since first of year, ground quite dry. High winds caused blowing dust which hurt winter wheat. Feed supplies adequate. Livestock generally good condition. Preparations for spring fieldwork and feeding livestock main activities.

TENNESSEE: Clear skies Tuesday and Wednesday, otherwise mostly cloudy over State with moderate winds and very little precipitation. No surface fronts reached State. Light rain over central and east Thursday, amounts ranged from 0.01 to 0.20 in. Temperatures ranged from 11° above normal west to 3° above normal extreme east.

A week of below average rainfall has allowed some farmers to start ground preparation but most fields still too wet. Some tobacco ground prepared and beds set but activity behind schedule. Small grains look good and show advanced growth. Sizable number of wheat fields in west damaged by standing water.

TEXAS: Dry week. Cold spell early week. Monday morning temperatures dropping below freezing mark over State except Lower Rio Grande Valley, lower Gulf Coast. However, morning lows continued to rise during week along with afternoon high temperatures. At end of week, morning lows ranged 40's and 50's with afternoon highs 70's and 80's, few 90° readings noted. Temperatures averaged 12° to 15° above normal across north half while south and west 5° to 8° above average. Strong winds throughout week. No precipitation reported.

Wheat in poor condition on high and low plains. Grazing restricted to irrigated fields. Oat prospects improved considerably by recent rains, warm weather in east and south. Cotton seeding begun in southern areas of State, moving northward. Planting sorghum, corn underway southern half State, gaining momentum. Most farmers waiting for warmer temperatures, adequate soil moisture.

Lower Rio Grande Valley: Onions continued to show excellent growth, light harvest of early fields continued. Harvest of lettuce, carrots, and cabbage remained active. Coastal Bend: Watermelon and cucumber planting continued. Some young melons damaged by high winds and frost. Laredo: Late carrots and cabbage show excellent growth. Onions also made satisfactory progress. San Antonio-Winter Garden: Some spinach still being harvested. Carrots, cabbage harvested. Most onions made good growth. Knox-Haskell: Potato seeding about 75% complete. Trans-Pecos: All onions and lettuce planted for spring harvest in El Paso County are generally up to good stands. High Plains: Onion transplanting underway. Potato seeding expected to begin shortly.

Peaches continue to bloom in most southern counties. Some early varieties were lost to freeze. In central, east and north, most peaches in pink bud stage. Citrus harvest remained active. Juice plants running at full capacity with backlog of trucks noticeable at some plants. Most groves extremely dry and required irrigating. Calving underway across State. Livestock fair to good. Sheep, goat shearing underway Edwards Plateau, south Texas, Trans-Pecos areas. Last week's freeze set back new growth of pasture weeds, grasses.

UTAH: Severe storm swept across northwest State over weekend. Accumulated moisture moderate to heavy. Storm accompanied by very strong winds with gusts ranging between 60 and 90 mph and 2 to 8 in. snow. Temperatures ranged from near normal west to as much as 17° below east. Subzero mini-

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mums reported many stations.

Early land preparation still being delayed by recurring snowstorms in many areas. Last week's three-day high winds also limited outdoor activity. Farm flock lambing well along. Marketing of potatoes and apples from storage continued but neared completion. Orchard pruning underway. Major activities: Care and feeding of livestock and poultry. Preparation of machinery for spring fieldwork and ditch cleaning. Irrigation water supplies stored in major reservoirs March 1 excellent.

VIRGINIA: Temperatures averaged near normal statewide. Extremes: 79° at Danville and 7° at Blacksburg. Precipitation fell mostly early week, averaging 0.19 in. statewide with heaviest in mountains.

Statewide topsoil moisture supply 84% adequate, 16% surplus. Days suitable for fieldwork averaged 3.2--highest since mid-December. Land preparation, pasture overseeding, small grain topdressing, liming and fertilizing of spring cropland picked up momentum. Preparing and seeding of tobacco plant beds active. A few potato fields in lower Eastern Shore were planted. Seed potato inshipments continued with planting to become active soon. Sweet potato land preparation began as fields dried out. Lamb and calf crops in mostly good condition. Feed grain and hay supplies mostly adequate. Winter grains and grazing crops good to excellent.

WASHINGTON: West: Temperatures near normal with highs 40's and 50's, lows mid-30's or higher. Precipitation 0.70 to over 3.00 in. Some lowland flooding. Rhubarb harvest over 50% complete. Lifting strawberry plants beginning. Pruning and tying canberries. Christmas tree planting continued. Cold, wet weather slowing pasture

growth. Hay scarce. Livestock good condition. East: Temperatures 1° to 3° above normal. Highs 40's and 50's, lows mid-20's and 30's. Precipitation 0.10 to 1.00 in., some as snow. Vineyard pruning, tying, trellis repair continued. Spraying for pear psylla and dormant zinc applications begun. Some winter wheat seeding, potato planting. Fertilizer, weed spray topdressing grain and grass seed. Recropping planned if sufficient fertilizer available. Heaving apparent some wheat fields. Calving, lambing underway.

WEST VIRGINIA: Temperatures 3° to 4° below normal except eastern panhandle 3° to 4° above. Highs in teens and 20's except eastern panhandle Monday, warming to low 50's and 60's by Thursday. Sunday's temperature reached into 70's. Lows zero to teens early week generally warming later in week. Light snow 1 to 2 in. blanketed much of State 25th. Light rain 28th and 1st. Spring flowers beginning to bloom, grass growing. Early gardening active where soil dry enough.

WISCONSIN: Another very mild week. Temperatures at record high levels in south on Sunday, near 70°. No precipitation of consequence during week. Snow cover disappeared over south half on weekend with some overflow of streams and rivers due to snowmelt. Frost depths in State averaged about 12 in. Snow depths averaged 9 in. but were sharply reduced over weekend.

WYOMING: Temperatures above normal and precipitation below average except for local areas. A few grain fields being prepared for planting. Livestock good. Hay supplies becoming short some areas despite mild winter. Some areas snow covered. High winds east March 2 caused damage to buildings, trees, and hay stacks. Calving, lambing, sheep shearing gaining momentum.

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