



WEEKLY WEATHER AND CROP BULLETIN

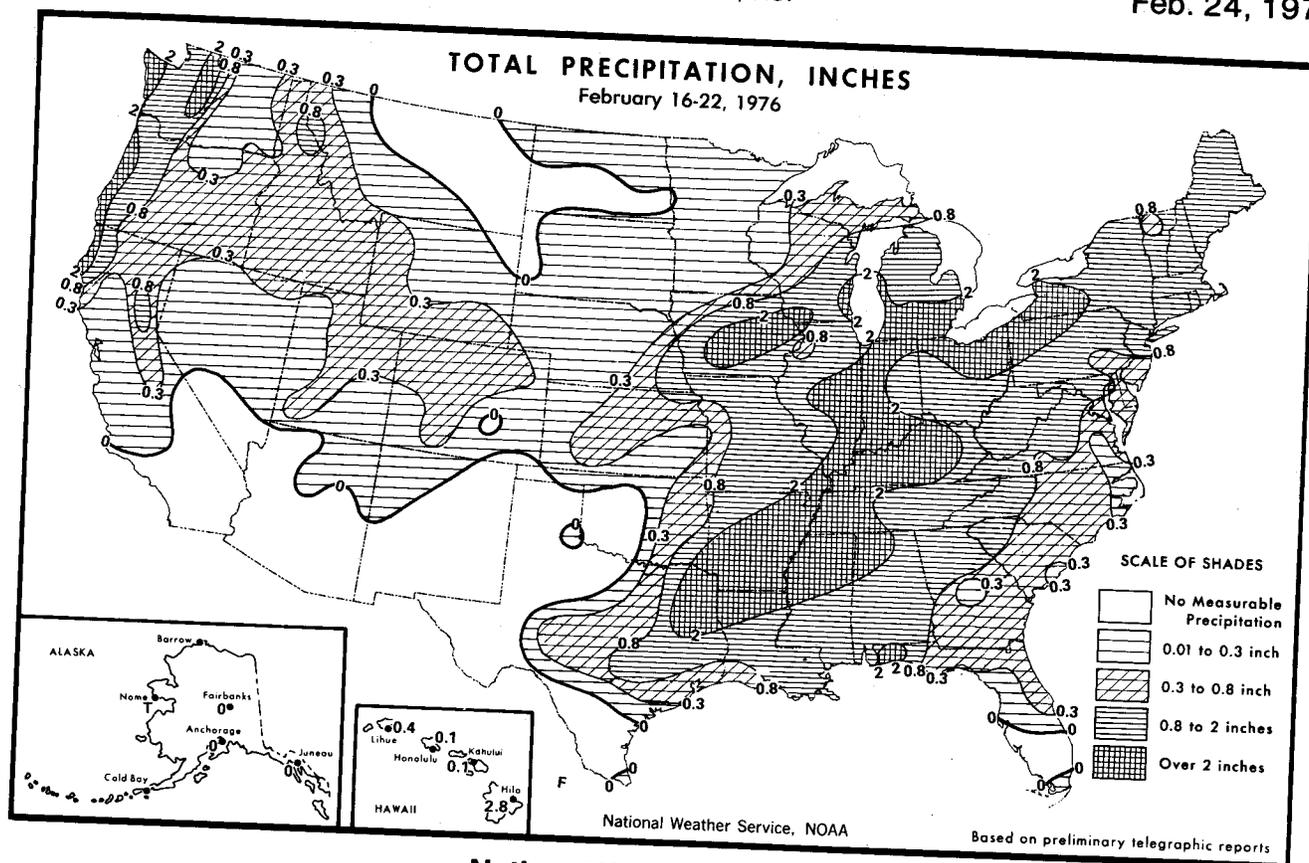
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National Weather Summary

For the week of February 16-22

HIGHLIGHTS: Weather conditions spelled springtime for most of the Nation during the week and some places averaged readings as high as 20° above normal. Invasions of cold air in the West pushed the mercury slightly below normal along the south Pacific Coast and in the central and southern Rockies. Strong storm systems early and late in the week combined to drop heavy rain and snow through the central United States. Most Great Plains moisture came as snow accompanied by high winds. Tornadoes touched down in Arkansas and Missouri on Saturday, causing one death, five injuries, and widespread damage.

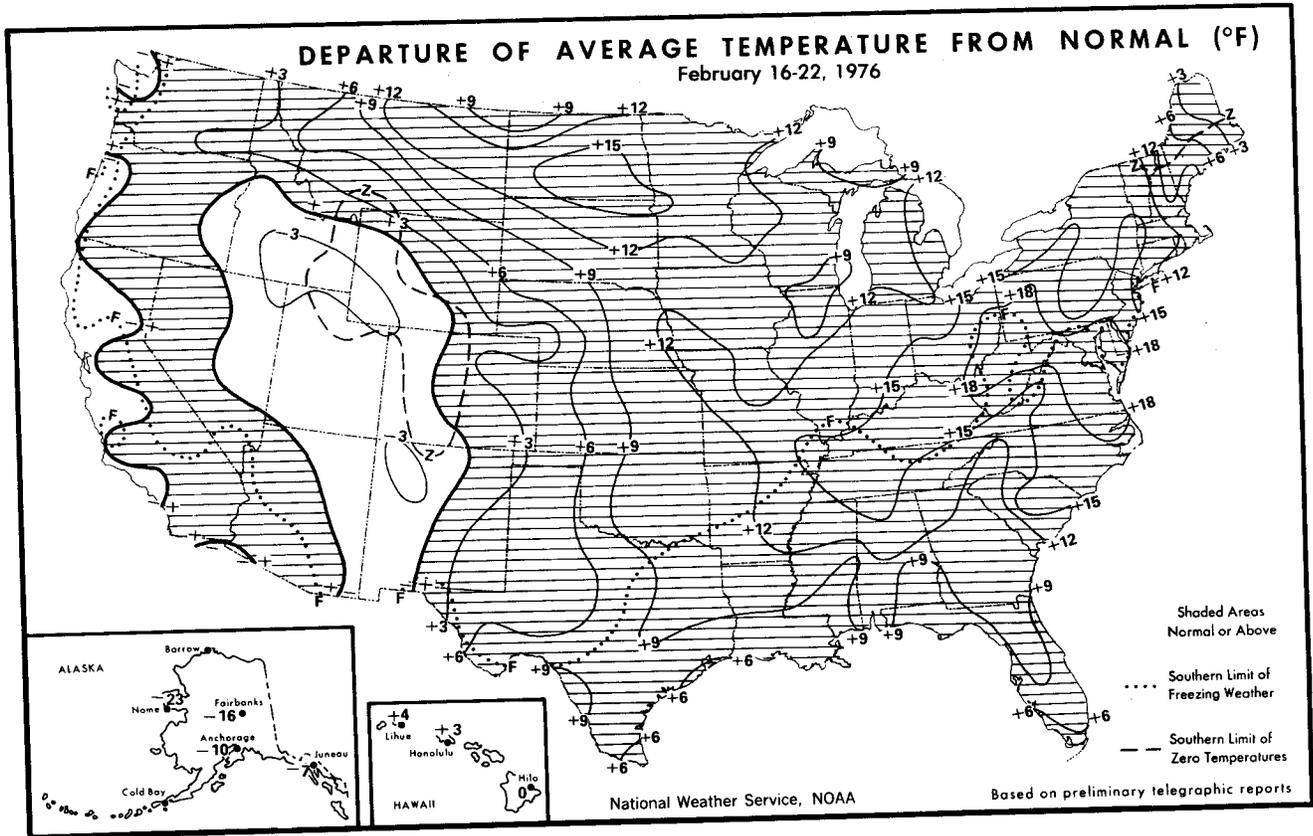
Springlike weather got the week off to a pleasant start for areas from the Gulf Coast to the Ohio and middle Mississippi Valleys and east to the Atlantic Coast. A warm front that touched off thunderstorms from the east central Plains into the northern Ohio Valley boosted morning temperatures into the 60's

in parts of Kansas and Missouri.

Other systems in a series of rapidly moving weather disturbances produced a variety of conditions elsewhere in the Nation. At midday warm, hazy weather cloaked eastern portions of Texas and Oklahoma, the southern half of the Mississippi Valley, and the southern and middle Atlantic Coast. Rainshowers and a few thunderstorms were scattered from Iowa through the Ohio Valley. Some snow turned up in the eastern Dakotas, western Minnesota, and northwest Iowa.

Looking at Tuesday's weather, spring again seemed ahead of schedule across much of the Nation east of the Rockies. Many record highs came out of the middle Atlantic States, where the mercury pushed into the upper 60's and low 70's by midday. In Virginia, Richmond soared to a record 81°.

Meantime a fast moving frontal system swept through the Northeast, generating snow in the northern New England area and showers and thunder-



showers from southern New England into the Appalachians and western Tennessee. After only 6 hours, Wilmington, Vt. measured 5 inches of new snow.

In the afternoon heavy thunderstorms typical of springtime developed from central Texas through Louisiana and Arkansas into western Kentucky and Tennessee. Associated with a frontal system a couple of tornadoes appeared near Little Rock, Ark., where some damage was reported.

A frontal system was blamed for midweek precipitation throughout the eastern U.S. Showers and thundershowers ranged from the Appalachians and eastern Ohio Valley into the lower Mississippi Valley. Isolated severe weather in the South brought strong, damaging winds to portions of Louisiana and Mississippi.

On Wednesday afternoon a line of heavy thunderstorms marched through the Southeast. Strong gusty winds that accompanied the storms caused widespread damage in Mississippi and Alabama. Central Mississippi reported one fatality. In Indiana, a tornado at New Port destroyed two dozen cars and injured 10 people.

On Thursday a vigorous winter storm shook the Intermountain region, then turned its attention to the central Rockies and Southwest. A cold front associated with the storm produced gusty winds and plunging temperatures throughout the area. In just 1 hour temperatures at Milford, Utah slipped from 52 to 30°.

Precipitation also made the news in the West when a wet weather system from the Pacific spread rain from western Washington into central California. Rain and snow also extended inland through the northern halves of the Rockies and Plateau region.

Meantime mild temperatures continued to dominate the Nation from the southern Rockies through the

central Plains and east to southern New England and the Atlantic Coast. Readings warmed into the mid 70's in eastern North Carolina and into the low 60's in southeast Pennsylvania.

Backed by wind gusts to 70 mph the Pacific cold front pushed eastward into the southern Plains on Friday. Meantime another front with sharply colder air made its way through the northern plain into Minnesota.

During the day a deepening winter storm out of the Rockies put the central Plains on the alert. As it spread eastward the storm left 6 to 18 inches of new snow in the mountains of Utah.

Upon its arrival the invasion of cold air sparked severe thunderstorm activity in central U.S. In places blizzard conditions prevailed as wind gusts of over 50 mph whipped snow through the area. Nighttime rain and thunderstorms preceded snow across much of the Nation's midsection, then changed to snow when the cold air arrived.

On Saturday forecasters cited continued heavy storms from the Texas Coast through eastern Arkansas and western Tennessee into the western Ohio Valley.

Tornadoes swept through portions of Missouri and Arkansas. One twister caused one death and five injuries in Poplar Bluff, Mo. States reporting wind damage included Mississippi, Tennessee, and Illinois.

Weekend weather generally improved over most of the Nation. Sunday opened to sunny skies from the Mississippi Valley to the Pacific Coast. A warming trend began in the Plains and Rockies as the colder air pushed toward the Atlantic Coast. Portions of the Plains measured temperatures as much as 20° warmer compared to Saturday's readings.

National Agricultural Summary

For the week of February 16-22

HIGHLIGHTS: Extended mild weather early in the week benefited crop development and fieldwork over much of the country. Storm activity later in the period further reduced wheat crop conditions in the southern and central Great Plains where soils remained dry and wind erosion continued. In other sections grains were in fair to good condition. Cotton planting and land preparation were underway in Texas and Arizona and tobacco planting began in the south Atlantic area. Citrus and vegetable harvests continued in California, Texas, and Florida. Pastures improved somewhat in some States, but remained poor to fair in southern areas where heavy supplemental feeding was required to maintain livestock condition.

SMALL GRAINS: Condition of winter wheat in the heavily producing southern and central Great Plains States showed little change and even deteriorated slightly in many areas. Strong winds accompanied a major winter storm that further eroded soils across eastern Colorado, western Kansas, Oklahoma, and the Texas High Plains.

In Kansas, late week snowfall in the west and north central areas was blown from fields before it could alleviate continued dry soil conditions. Although wind erosion was only light to moderate, dry topsoils combined with short vegetative growth threaten further erosion without additional moisture. Greenbug and cutworm infestations remained a problem in southern Kansas. Spring seeding of oats and barley are slightly ahead of normal at 15% and 5% complete, respectively. Condition of Oklahoma's wheat crop continued stable during the week despite extensive soil blowing in some areas. Light snow in the Panhandle added little moisture to dry topsoils, but increased precipitation in the southeast hastened wheat growth. Topdressing of grains continued and spring seeding was nearly half complete, although more rain is needed. The eastern Texas wheat and oats crops were temporarily revived by rainfall during the week. Crop conditions in the western parts of the State, however, continued to deteriorate from very dry soils. Wheat fields from the High Plains to south Texas were greening up as a result of warmer temperatures, but growth was slow except in irrigated stands. Blowing sand caused some further damage in the northern High Plains and greenbug populations again increased in many areas.

Small grains were in fair to good condition in nearly all east central States. In Mississippi, soil moisture was adequate or better and wheat and oats fared well. Heavy rains in Ohio caused no damage to grain fields. Wheat was also in fair to good condition in the Mountain States, although wind damage was evident in some areas. In New Mexico, dryland grains showed poor development and irrigated fields were mostly fair. Further soil erosion occurred in some Washington dryland fields.

OTHER CROPS: Cotton planting was underway in the Texas Lower Rio Grande Valley and Coastal Bend areas and seedbed preparations neared completion in the Blacklands. Ginning operations continued in the Low Plains. Arizona growers continued to furrow, preirrigate, and apply herbicides on crops in Yuma and Maricopa. Tobacco plants were in good condition in Georgia, while

soil preparation and planting continued from Virginia to South Carolina. Marketing of Kentucky's burley crop approached completion. Potato planting continued in Alabama, Mississippi, and Texas, and got underway along Virginia's Eastern Shore. Potatoes increased in volume from Florida and were in light supply in California's Kern County. Sugarcane harvest was active in Florida and in Arizona the sugarbeet crop made good progress. Planting of corn and sorghum continued in Texas where moisture conditions permitted, and was generally on schedule.

FRUITS AND NUTS: Pruning of fruit trees and general orchard maintenance continued from New Jersey to South Carolina, Michigan, and the Northwest. Raspberry pruning and tying continued in Washington and Oregon. Almonds were near full bloom in California and filbert bloom continued in Oregon. Plum and apricot bloom began in California while navel orange and wine grape buds started to swell. Lemon and navel harvests continued, still showing the effects of earlier frost damage. In Arizona, harvests of lemons, grapefruit, and Valencias continued active. Peach trees in Southern Texas were blooming and budding amid unseasonable warm temperatures, and harvests of early and midseason oranges were in the final stages. Light rain aided Florida's citrus trees but more is needed and irrigation continued. Orange harvest was in the windup stage.

VEGETABLES: Harvest in the Beaufort-Charleston areas of South Carolina continued on a limited basis. In Florida, harvest continued active with overall shipments up 5% over the previous week. Supplies of crops on the upswing included snap beans, sweet corn, cucumbers, lettuce, green peppers, potatoes, and strawberries. In steady supply are cabbage, tomatoes, eggplant, escarole, radishes, and squash; volume of celery and carrots declined. Strawberry beds in Arkansas were in excellent condition.

In the Texas Lower Grande Valley, onion, cabbage, and carrot harvests continued. Lettuce supplies are rapidly diminishing. Watermelon planting in Texas Coastal Bend continued and emerged plants were being irrigated. Cabbage harvest was underway and the spinach harvest expected to begin next week. Potato planting was underway in Knox-Haskell area. In San Antonio-Winter Garden area, lack of moisture delayed watermelon planting on dryland fields. Imperial Valley lettuce harvest was in full swing. Celery cutting increased and strawberry picking was very light in southern coastal areas. Broccoli and cauliflower volumes continued heavy from Santa Maria. Carrot supplies held steady from Kern county. Planting of cannery tomatoes continued in the San Joaquin and Sacramento Valleys.

PASTURES AND LIVESTOCK: Pastures and range conditions improved in some areas of the country, but still provided only poor to fair grazing over most of the southern U. S. Livestock were in fair to good condition in the West where lambing and calving progressed well. Moderate to heavy supplemental feeding was required in Oregon and California.

Texas ranchers continued to move animals from pastures into feedlots. Oklahoma livestock were in fair to good condition.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., February 22, 1976

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 . . .	61	+14	1.3	-.1	La. Baton Rouge . . .	63	+ 8	.9	-.3	Youngstown	44	+17	2.7	+2.1
Mobile	65	+10	1.0	-.3	Lake Charles . . .	63	+ 7	1.6	-.6	OKLA. Okla. City . .	53	+11	T	-.4
Montgomery	60	+ 9	1.2	+ .1	New Orleans	64	+ 8	1.0	-.3	Tulsa	53	+11	.5	+ .1
ALASKA. Anchorage .	9	-10	0	-.2	Shreveport	61	+10	2.2	+1.3	OREG. Astoria . . .	46	+ 2	1.9	0
Barrow	-	-	-	-	MAINE. Caribou . .	15	+ 1	1.4	+ .8	Burns	32	0	.7	+ .4
Fairbanks	-17	-16	0	-.1	Portland	34	+11	1.1	+ .2	Medford	44	+ 2	.4	-.1
Juneau	-22	- 7	.8	0	MD. Baltimore . . .	55	+20	1.0	+ .3	Pendleton	43	+ 3	.2	-.1
Kodiak	-	-	-	-	MASS. Boston . . .	42	+11	1.4	+ .5	Portland	45	+ 1	1.2	+ .2
Nome	-18	-23	T	-.2	Chatham	42	-	-	-	Salem	44	0	1.5	+ .4
ARIZ. Flagstaff . .	32	+ 1	T	-.4	MICH. Alpena . . .	33	+14	1.4	+1.1	PA. Allentown . . .	45	+15	1.6	+ .9
Phoenix	58	+ 2	0	-.1	Detroit	40	+13	2.4	+2.0	Erie	39	+13	3.4	+2.8
Tucson	55	+ 1	0	-.2	Flint	36	+12	1.9	+1.5	Harrisburg	47	+14	.8	+ .2
Winslow	40	0	T	-.1	Grand Rapids . . .	35	+10	1.9	+1.5	Philadelphia . . .	50	+16	.8	+ .1
Yuma	60	0	0	-.1	Houghton Lake . .	30	+11	1.2	+ .9	Pittsburgh	48	+18	1.1	+ .5
ARK. Fort Smith . .	50	+ 6	.6	-.2	Lansing	35	+10	2.2	+1.8	Scranton	42	+14	1.2	+ .7
Little Rock	56	+12	2.7	+1.6	Marquette	29	+ 9	.5	+ .1	R. I. Providence . .	42	+12	1.2	+ .3
CALIF. Bakersfield .	46	+ 3	T	-.3	Muskegon	36	+11	2.1	+1.7	S. C. Charleston . .	64	+13	.3	-.6
Eureka	59	0	2.0	+ .8	S. Ste. Marie . . .	23	+ 7	4	0	Columbia	64	+16	.3	-.7
Fresno	48	- 3	.3	-.1	MINN. Duluth . . .	25	+12	.1	-.1	Greenville	57	+12	1.5	+ .4
Los Angeles	55	- 3	0	-.7	Internatl Falls . .	22	+14	.2	0	S. D. Aberdeen . .	31	+15	.1	-.1
Red Bluff	49	- 2	.2	-.6	Minneapolis . . .	32	+14	.1	-.1	Huron	32	+13	.2	0
San Diego	59	+ 2	T	-.4	Rochester	31	+13	.2	0	Rapid City	35	+ 8	T	-.1
San Francisco . . .	51	- 1	.1	-.6	St. Cloud	27	+13	.1	-.1	Sioux Falls	32	+11	.2	-.1
Stockton	51	+ 1	.1	-.4	MISS. Jackson . . .	60	+10	1.2	0	TENN. Chattanooga .	56	+13	1.8	+ .5
COLO. Denver . . .	36	+ 3	.4	+ .2	Meridian	58	+ 8	1.2	-.1	Knoxville	57	+14	1.6	+ .4
Grand Junction . .	33	- 2	.3	+ .2	MO. Columbia . . .	46	+11	1.5	+1.1	Memphis	59	+14	2.9	+1.7
Pueblo	38	+ 2	T	-.1	Kansas City	46	+12	.3	0	Nashville	57	+15	1.8	+ .7
CONN. Bridgeport . .	43	+12	1.4	+ .7	St. Louis	48	+12	.4	-.1	TEX. Abilene	54	+ 5	0	-.2
Hartford	41	+14	1.3	+ .5	Springfield	48	+10	.9	+ .3	Amarillo	44	+ 4	T	-.1
D. C. Washington . .	58	+20	.8	+ .2	MONT. Billings . . .	35	+ 6	T	-.1	Austin	63	+ 9	1.1	+ .3
FLA. Apalachicola .	62	+ 6	.2	-.8	Glasgow	30	+13	T	-.1	Beaumont	62	+ 6	.3	-.8
Daytona Beach . . .	68	+ 8	.3	-.5	Great Falls	35	+ 7	0	-.2	Brownsville	68	+ 4	T	-.4
Ft. Myers	71	+ 6	0	-.5	Havre	32	+13	T	-.1	Corpus Christi . .	67	+ 7	T	-.5
Jacksonville	66	+ 9	.3	-.6	Helena	32	+ 5	.1	0	Dallas	-	-	-	-
Key West	75	+ 3	.3	-.2	Kalispell	30	+ 4	.3	+ .1	Del Rio	66	+ 9	T	-.3
Lakeland	71	+ 9	.1	-.6	Miles City	35	+12	0	-.1	El Paso	49	0	0	-.1
Miami	74	+ 6	T	-.5	Missoula	35	+ 7	.3	+ .1	Fort Worth	59	+ 9	.5	-.3
Orlando	71	+ 9	.5	-.3	NEBR. Grand Island	38	+ 9	.2	0	Galveston	62	+ 6	.3	-.3
Tallahassee	64	+ 9	.4	-.9	Lincoln	39	+10	1.0	+ .8	Houston	62	+ 6	.4	-.5
Tampa	70	+ 8	T	-.8	Norfolk	35	+10	.1	-.1	Lubbock	48	+ 5	0	-.1
W. Palm Beach . . .	72	+ 6	0	-.7	N. Platte	32	+ 3	.1	0	Midland	53	+ 4	0	-.1
GA. Atlanta	58	+12	1.4	+ .3	Omaha	40	+13	.8	+ .5	San Angelo	56	+ 5	.4	+ .2
Augusta	60	+11	.5	-.5	Valentine	33	+ 8	.2	+ .1	San Antonio	62	+ 7	.1	-.4
Macon	61	+10	.2	-1.0	NEV. Ely	27	- 2	.2	+ .1	Victoria	64	+ 7	.3	-.3
Savannah	64	+11	.6	-.1	Las Vegas	52	+ 2	0	-.1	Waco	60	+ 8	.3	-.3
HAWAII. Hilo	71	0	2.8	-.7	Reno	38	0	.1	-.1	Wichita Falls . . .	56	+ 9	0	-.3
Honolulu	75	+ 3	.1	-.5	Winnemucca	41	+ 6	.1	-.1	UTAH. Blanding . . .	33	- 1	T	-.2
Kahului	73	+ 1	.1	-.5	N. H. Concord . . .	32	+ 9	1.2	+ .6	Salt Lake City . . .	33	- 1	.4	+ .1
Lihue	75	+ 4	.4	-.6	N. J. Atlantic City .	49	+15	.7	-.2	VT. Burlington . . .	32	+13	.6	+ .2
IDAHO. Boise	35	- 2	.6	+ .3	Trenton	50	+16	.9	+ .2	VA. Lynchburg . . .	54	+15	1.4	+ .7
Lewiston	42	+ 3	.2	0	N. MEX. Albuquerque	38	- 3	T	-.1	Norfolk	61	+19	.4	-.4
Pocatello	26	- 5	.3	+ .1	Roswell	49	+ 5	0	-.1	Richmond	60	+20	.3	-.5
ILL. Cairo	56	+15	3.2	+2.2	N. Y. Albany	39	+15	1.5	+ .9	Roanoke	54	+15	.8	0
Chicago	39	+11	1.4	+1.0	Binghamton	37	+14	1.9	+1.3	WASH. Colville . . .	33	+ 1	.3	0
Moline	37	+10	.6	+ .3	Buffalo	38	+13	2.3	+1.7	Omak	36	+ 4	.1	-.2
Peoria	38	+ 9	1.9	+1.5	New York	46	+13	1.1	+ .3	Quillayute	41	- 1	3.3	+ .4
Rockford	33	+ 8	1.2	+ .9	Rochester	39	+14	1.1	+ .5	Seattle-Tacoma . . .	43	0	1.2	+ .2
Springfield	44	+13	3.0	+2.5	Syracuse	40	+15	1.8	+1.1	Spokane	34	0	.7	+ .3
IND. Evansville . . .	50	+13	2.5	+1.7	N. C. Asheville . . .	51	+11	1.7	+ .8	Walla Walla	45	+ 3	.3	-.1
Ft. Wayne	42	+14	1.8	+1.3	Charlotte	57	+13	.6	-.4	Yakima	39	+ 2	.1	-.1
Indianapolis	45	+14	1.5	+ .9	Greensboro	57	+16	.8	0	W. Va. Beckley . . .	50	+17	1.5	+ .7
South Bend	41	+14	3.2	+2.7	Hatteras	61	+15	.1	-1.0	Charleston	56	+19	.9	+ .1
IOWA. Burlington . .	39	+11	1.0	+ .7	Raleigh	59	+16	.3	-.5	Huntington	55	+18	1.5	+ .8
Des Moines	36	+11	2.3	+2.0	Wilmington	65	+16	.5	-.4	Parkersburg	53	+18	1.6	+ .9
Dubuque	32	+ 9	2.4	+2.1	N. DAK. Bismarck . .	31	+16	T	-.1	WIS. Green Bay . . .	30	+11	.8	+ .5
Sioux City	36	+11	.1	-.2	Fargo	26	+14	T	-.1	La Crosse	32	+11	.4	+ .2
KANS. Concordia . . .	43	+10	.3	+ .1	Williston	25	+ 9	.1	0	Madison	31	+10	1.6	+1.3
Dodge City	42	+ 6	.6	+ .4	OHIO. Akron-Canton	46	+18	2.2	+1.6	Milwaukee	32	+ 9	2.4	+2.1
Goodland	36	+ 4	.2	+ .1	Cincinnati	50	+16	2.0	+1.2	WYO. Casper	28	+ 1	.2	+ .1
Topeka	45	+10	.4	+ .1	Cleveland	45	+17	3.3	+2.7	Cheyenne	29	0	.4	+ .3
Wichita	46	+ 9	T	-.3	Columbus	46	+15	1.7	+1.1	Lander	25	- 2	.2	0
KY. Lexington	52	+16	4.1	+3.2	Dayton	47	+16	1.4	+ .8	Sheridan	34	+ 7	T	-.2
Louisville	52	+16	2.9	+2.0	Toledo	39	+11	2.5	+2.1	P. R. San Juan . . .	76	+ 1	.9	+ .3

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State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by SRS State offices in cooperation with the National Weather Service, NOAA.

ALABAMA: Temperatures continued above normal till 22nd when a cold front brought below seasonal levels. Extremes: 80° at several locations, 26° at Pittsview. Locally heavy rainfall on 25th and 28th when squall lines preceded cold fronts.

Fieldwork made headway as soils dried. Plowing, fertilizing, and feeding major activities. Small grains made good growth, being top-dressed. Irish potato planting continuing. Peaches being pruned and sprayed. Livestock mostly fair. Pasture short.

ARIZONA: Dry except isolated light showers. Warm through Thursday then cooler, windy. Temperatures near normal.

Cotton furrowing, preplant irrigation, herbicides application continue in Yuma, Maricopa Counties. Planting safflower complete. Sugarbeets satisfactory progress. Lettuce harvest full swing in Yuma. Harvest mixed vegetables active. Cantaloup planting full swing. Harvest lemons, grapefruit, Valencias active. Early budding Navels, lemons, grapefruit. Early peaches, nectarines in bloom. Bud break early grape. Cattle, calves fair to good condition. Ranges improved, most poor to fair. Stock water, soil moisture adequate but more rain needed.

ARKANSAS: Mean temperatures 5 to 14° above normal for week. Highest: 60° at Rohwer, Texarkana, and Clarendon. Lowest: 50° at Fayetteville. Extremes: 78° at Texarkana, Camden, Ozark, Gilbert, and Fayetteville to 25° at Harrison and Fayetteville. Precipitation all reporting stations from 0.45 in. Ozark to 3.81 in. Jonesboro. Excess of 2.00 in. common throughout State.

Fieldwork limited to top-dressing small grains and pastures. Land preparation northeast. Wheat and pastures greening. Lice affecting some cattle. Strawberry beds in excellent condition. Peach and apple trees excellent, good budding expected. Cold nights caused no damage. Moisture situation improved.

CALIFORNIA: Light amounts of rainfall and snow at the higher elevations of northern mountains. Average temperatures generally near seasonal normal. Weakening weather system week's end brought freezing to slightly below freezing readings to lowland valleys over the northern half of State. Precipitation was greatest extreme north, North Coast Ranges, and High Sierra, about Yosemite northward. Amounts for the week mostly less than 2.00 in.

Rains helped Sacramento Valley small grain but much more needed soon. Spraying for weed control increasing. Alfalfa growth increasing San Joaquin Valley, cutting and baling Imperial Valley. Ground preparation active. Almonds near full bloom. Plum, apricot bloom beginning. Lemon, Navel harvests continue. Freeze damage still appearing. Navels, wine grapes, buds swelling. Asparagus harvest increasing. Carrots holding steady, lettuce in full swing in Imperial Valley. Celery cutting heavier. Very light strawberry picking South Coast. Broccoli and cauliflower heavy Santa Maria. Carrots holding steady, winter potatoes light Kern County. Planting cannery tomatoes continues San Joaquin and Sacra-

mento Valleys. Improved range, feeding still necessary. Feedlots near capacity. Calves light. Predator problems. Bees have movement.

COLORADO: Windy with scattered snow mountains. Major storm 20th created blizzard conditions northeast, considerable dust blowing southeast. Gusting winds to 70 mph at Pueblo. Winds diminished 20th evening with clear warmer temperatures statewide through weekend.

Early plowing and other fieldwork halted by storm but was very active earlier in week. Hard winds blew most of needed snow off wheat fields.

FLORIDA: Warm days and mild nights, turning cooler afternoon and evening of 22d. Temperatures averaged above normal. Rainfall mostly light but heavy Panhandle early Sunday. Light to moderate showers, mostly at week's end, alleviated a prolonged period of dry weather in Peninsula areas.

Soil moisture mostly adequate north and west, but continues short to very short in central and south. Land preparation active. Small grains improving as weather warms up. Sugarcane harvest active progress normal. Scattered showers were locally beneficial but overall pasture condition still very poor in most counties. Warmer weather, showers promoted some growth in small grain pastures. Panhandle, while soil moisture central, south is severely short. Cattlemen maintaining livestock with heavy supplemental feeding, but overall condition cattle, calves still poor to fair.

Citrus tree condition very good. Light rains end of week, more needed, some irrigation continues. New growth starting. Orange harvest slowing. Warm days, mild nights prevailed vegetable farming area. Most crops made good growth. Irrigation, harvest active. Overall shipments up 5% from previous week. Crops gaining supply snap beans, sweet corn, cucumbers, lettuce, green peppers, potatoes, strawberries. In steady supply: cabbage, tomatoes, eggplant, escarole, radishes, squash. Crops declining in volume: celery, carrots. Plantings, transplanting most spring crops active central south Land preparation underway north, west.

GEORGIA: Very warm most of week, temperatures 10 to 15° above normal. Thundershowers on the 18th. Rainfall amounts 0.50 in. to 1.00 in. Extreme north Georgia, and generally less than 0.10 in. central and south. Thunderstorms most of State 21st with substantial rains most sections. Colder on 22d.

Soil moisture adequate. Land preparation, spreading fertilizer, and liming very active. Condition small grains improved, now rated good. Pasture conditions mostly good. Cattle also improved and now judged fair. Tobacco plants good condition.

HAWAII: Weather fair. Winds continued strong till midweek. Caused bruising to crops exposed areas. Rainfall all islands getting lighter.

Vegetable supplies decreasing. Leafy supplies very short. Spraying intensified to minimize insect and disease damage. Banana supplies light Papayas supplies heavy. Mild winter Puna area

on Hawaii this season reduced incidence of disease. Pineapple harvesting light. Pastures good.

IDAHO: Precipitation general over State. Accumulation well above normal most stations, many recorded over 1.00 in. Emmett with 1.68 in. greatest amount reported. Average temperatures 2 to 3° above normal most stations. Extremes: highs of 53° Caldwell Lewiston, low of 7° below zero Idaho Falls.

Calving and lambing active. Feed supplies adequate. Winter storms limiting farm activities to machinery repair, income tax preparation, crop marketing and general livestock care.

ILLINOIS: Temperatures 9 to 13° above normal. Precipitation 0.75 to 3.00 in.; 8.00 in. snow extreme northwest 21st.

Winter wheat mostly good condition, some browning. Other small grains and legumes mostly good condition. Livestock doing well some feedlots muddy. Soil moisture: 16% short, 69% adequate, 15% surplus. Main farmwork: machinery repair, chores, livestock care.

INDIANA: Very warm. Temperatures averaged 11° above normal and ranged from 11° on the 23rd to 69° on the 16th. Rainfall of 1.00 to 3.00 in. Tuesday and Saturday flooded lowlands. Thunderstorm and strong winds Terre Haute to Muncie Friday night. Snow cover nil except South Bend with 1 in. Soils thawed except extreme north reducing ponding in fields. Mild conditions resulted in considerable greening up but fields still too soft to permit much field work. Farmers busy readying equipment for the fast approaching spring work.

IOWA: Warm dry week followed by weekend rain and snow storm; 4-12 inches snow in diagonal, southwest to northeast. Temperatures averaged 8-11° below normal. Precipitation ranged less 0.25 in. northwest to 1.00-2.00 in. southwest.

Rain and snow added much needed moisture and helped stabilize topsoil. Livestock care and farm chores main farm activity.

KANSAS: Temperatures above normal. Averaged from 39° northwest to 52° southeast. Major storm spread eastward across State Friday and Saturday. Blizzard conditions west and north central. Scattered rains east portion advance of storm. Water equivalents from less than 0.25 in. to locally over 1.00 in. Strong winds produced significant blowing dust northwest on 18th and west on the 20th.

Wheat condition declined slightly. Winter storm over weekend, but little measurable precipitation. Most snow blew off fields, drifted along roads and fence lines. Short vegetative cover plus dry topsoils make blowing threat great. Blowing dust reported scattered areas, light to moderate damage. Greenbugs and army cutworms reported, primarily in southern counties. Oats seeding 15% complete, barley seeding 5% complete; both slightly ahead of normal.

KENTUCKY: Temperatures above normal most of the week turning colder by week's end. Rainfall amounts were excessively heavy the 17th with 2.00-3.00 in. statewide and 4.00-6.00 in. certain localities. Field activity limited due to wet, soggy soils. Winter feeding chores, machinery repair and fencing main jobs. Lexington burley tobacco market to close next week ending year's sales.

LOUISIANA: Temperatures 7 to 10° above normal. Mild through 20th, colder over weekend. Thunderstorms 17th and 18th; locally heavy rainfall north. Windy, thunderstorms statewide 21st. Extremes: 82 and 36°. Rain 18th, 4.08 in. Calhoun. Agricultural activities: Routine chores.

MARYLAND & DELAWARE: Week unusually warm. Highs, upper 70's; lows, upper teens. Precipitation over 2-States 0.02 to 0.98 in., heaviest in western Maryland. Wheat generally good condition; barley, oats, and rye fair to good. Some top-dressing and plowing started. Soil moisture supplies adequate. Cattle in good condition, plenty of feed.

MICHIGAN: Temperatures continued unseasonably warm, peaking at midweek and then turning much colder end of period. Extremes: 14 to 7° above normal. Precipitation very heavy over southern half; some weekly totals exceeded two in. Some small rivers and streams reported out of their banks. Precipitation averaged 0.41 to 1.03 in. over northern half. Rain fell over southern half of Lower Michigan while snow was the rule over Upper Michigan and northern Lower. Snow amounts totaled from a trace in southern Lower to 9 in. at Houghton Lake on up to 29 in. at Houghton in Western Upper Michigan.

Pruning orchards, feeding livestock and normal farm chores were main activities during week.

MINNESOTA: Second consecutive mild week. Temperatures averaged 12 to 14° above normal. Extremes: 52 and -8°. Precipitation slightly below normal most sections. New snowfall: traces to 1.5 in. except 1.5 to 3.0 in. extreme north central and extreme southeast. Snow on ground at week's end: 6 to 15 in. central into north central and northeast except 16 to 22 in. near Lake Superior; Otherwise, traces to 5 in. west central and northwest and bare ground to 1 in. south third.

Dry conditions and above normal temperatures favorable for livestock feeding and marketing of farm crops.

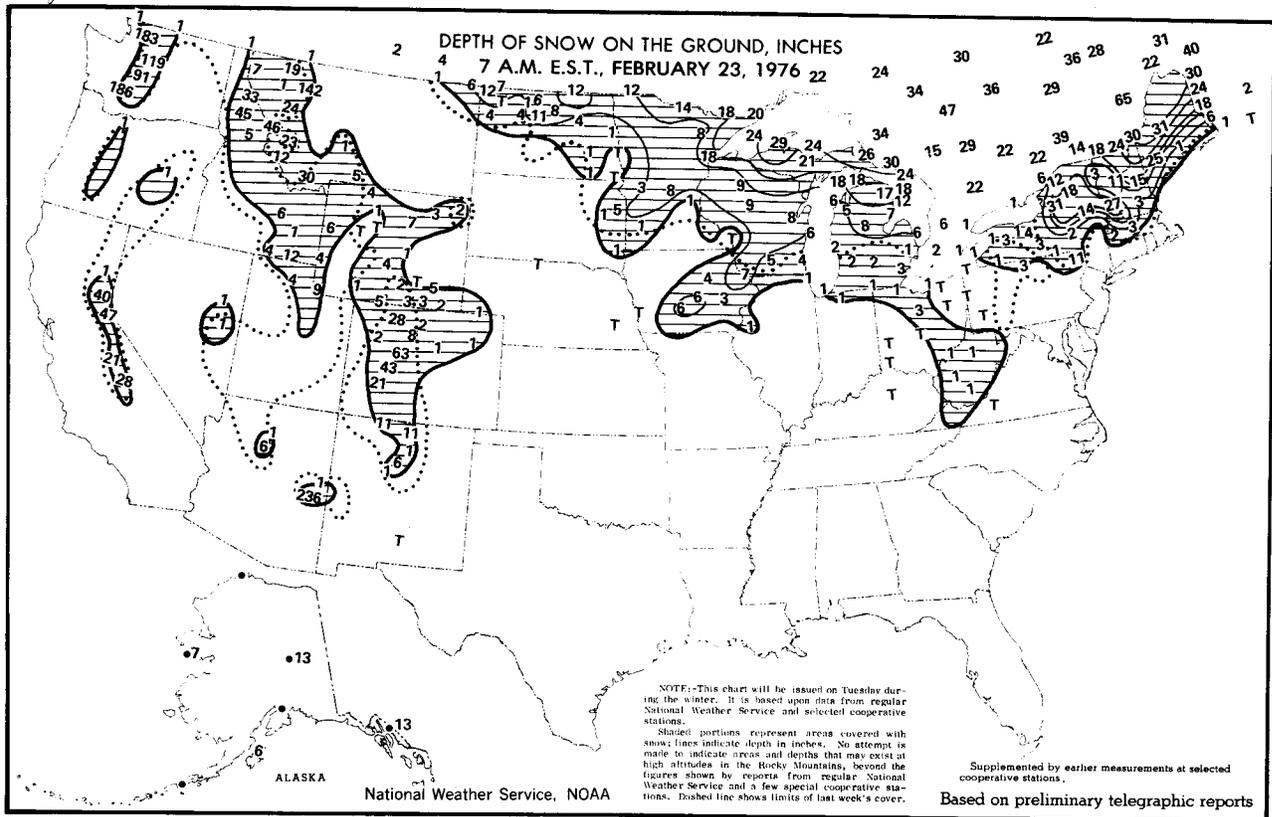
MISSISSIPPI: Temperatures 7° above normal. Extremes: 81 and 33°. Greatest 24-hour rainfall was 2.75 inches in Yazoo City the 18th.

Soil moisture supplies are adequate south, mostly surplus elsewhere. Fieldwork: 3.1 days suitable. Plowing 18% complete. Irish potatoes 10% planted. Winter wheat and oats are in mostly fair condition. Livestock are in fair condition. Hay and roughage supplies are short to adequate. Feed grain supplies are generally short.

MISSOURI: Temperatures averaged 15 to 17° above normal throughout State. Precipitation heaviest in the Bootheel averaging around 2.00 in., elsewhere 0.25 in. to 1.00 in. Major farm activities care and management of livestock.

MONTANA: Very mild over State past week. Average temperature ranged from 5° above normal west of Continental Divide to 17° above normal east of Divide. Warmest at close of week. Precipitation variable. Slightly above normal west of Continental Divide--much below normal east of Divide. Strong, gusty winds continued along the east slopes.

Winter wheat condition fair. Considerable soil blowing major winter wheat growing areas. Wind damage moderate north central and central,



light elsewhere. Warm days and cold nights. Freezing and thawing soils adding to erosion susceptibility. Topsoils dry, snowcover gone. Livestock condition good. Calving condition very good.

NEBRASKA: Temperatures 5 to 11° above normal. Showers and thunderstorms south central and southeast first of period. Snow north and east end of period with showers and thunderstorms changing to snow southeast. Heaviest snow extreme southeast.

NEVADA: Light precipitation north, very light central portions. Extreme south remained dry. Average temperatures ranged from about 4° above normal north, 2° south. Extremes: Logandale 72°, Mountain City -10°.

Fall planted grains mostly good. Some fieldwork southern valleys. Good progress early calving and lambing.

NEW ENGLAND: Precipitation averaged 1.00 to 2.00 in., falling almost daily with substantial snowfall north and mostly rain south. Temperatures fluctuated widely, dropping well below zero northern Maine on 3 days with -13° coldest at Caribou on 15th. Quite mild readings several days with 50's across south 15th and 19th, and into mid-60's along South Coast on 17th.

NEW JERSEY: Temperatures 10 to 12° above normal. Record breaking high on 17th and 18th. Extremes 18° at Charlotteberg and Newton on 23d and 74° at Millville on 17th. Precipitation totals for period above normal northern and southern counties, below normal coastal sections. Heaviest 0.70 in. at Belvidere on 17th with thunderstorms in central counties on 18th and 19th.

Farmers caring for livestock, pruning fruit trees, and tending to other winter chores.

NEW MEXICO: Light precipitation, mostly mountain sections, early in week and again Friday. Very windy statewide and turning much colder Friday and Saturday.

Warm and dry during week. Soil moisture short, ranges fair. Livestock fair with calving increasing and some shearing. Supplemental feeding continued. Dryland winter wheat and barley poor condition. Irrigated winter wheat and barley mostly fair, some in good condition. Danger of soil erosion if lack of precipitation continues. Land preparation, pre-irrigation for spring planting, pruning orchards and small grain irrigation continued.

NEW YORK: Temperatures above normal with highs 50's and 60's. Precipitation fell throughout the week, heaviest 18th and 21st. Minor flooding due to ice jams. Snow cover except for mountain areas at week's end ranged from 1 inch or less over southern half to 1-6 inches over north.

NORTH CAROLINA: Precipitation spotty and light. Record breaking high temperatures ranging 60's and 70's most of week.

Fieldwork: 4.6 days suitable. Soil moisture mostly adequate but decreasing. Small grains fair to good. Pasture poor to good. Farm feed supplies adequate. Major farm activities: plowing, top dressing small grains, seeding tobacco plant beds, potato planting in coastal areas.

NORTH DAKOTA: Temperatures about 15° above normal. High 50°, low -8°. Precipitation below normal except northwest and north central, ranging from 0.08 in. below southwest to 0.15 in. above north

central. Most precipitation 0.24 in. Greatest snow concentration north central, varying 14-24 in.; northwest and northeast up to 4 in.; rest of State inch or less. Weekend very warm with only few traces of snow.

Conditions ideal for livestock. Mild temperatures requiring less feed. Farmers lining up seed supplies, repairing machinery.

OHIO: Moderate to heavy rainfall across State, amounts from 1.38 in. west to 3.26 in. northeast. Flooding along rivers and streams north, small streams and low lying areas remainder of State. Temperatures well above normal ranging into 60's south. Cold front on 21st with temperatures near normal and snow flurries on 22nd. Heavy rains causing no apparent damage to wheat. Damage to wheat undetermined from January ice cover.

OKLAHOMA: Temperatures averaged 11 to 16° above normal. Measureable precipitation confined to Panhandle and southern half of State. Individual station amounts 0.10 to 1.00 in. Largest amounts mostly in southeast.

Greenbug and cutworm activity in wheat increased due to above normal temperatures. Spraying for control stepped up. Wheat condition showed little change, but extreme winds February 20, 21 caused extensive soil blowing. Light snow in Panhandle of no value. Wheat making rapid growth where moisture available. Topdressing continues. Seeding spring small grains nearly half complete. Waiting for rain. Plowing and preparation row crops active where moisture adequate. Peach trees showing some pink, some plums and apricots in bloom. Ranges need rain to start growth. Cattle fair to good condition because mild weather and supplemental feeding.

OREGON: Temperatures slightly above normal. Extremes: 50's, 30's west; 50's, 15° east. Precipitation along coast ranged 3.13 to 5.70 in.; 0.68 to 3.03 in. west; 0.26 to 1.08 in. east.

Farmers attending agricultural meetings. Repairing machinery. Plowing, seeding, spraying as weather permits. Filberts in bloom. Pruning orchards. Training berries. Planting potatoes at Hermiston. Potatoes, onions moving from storage. Feeding livestock moderate to heavy. Feed supplies adequate. Calving, lambing continuing.

PENNSYLVANIA: Warm and wet most of week. Southerly flow of unseasonably mild air kept temperatures 10 to 15° above normal. Record maximums for date in 60's several places Tuesday afternoon. Daily temperatures in 35 to 60° range until Sunday, when returned to more seasonable levels. Rain and showers almost daily and snow flurries north and west Sunday. Wettest week since end of November. Amount 1.00 in. all areas except northwest where 3.50 in. fell.

Farmers doing winter chores with above normal outside activity during week.

PUERTO RICO: Island average rainfall 1.13 in. Highest weekly total 3.81 in. at Pico Del Este Luquillo. Highest 24-hour total 1.87 in. at Hacienda Constanza. Temperatures averaged about 74° on coasts and 67° interior divisions. Extremes: 91 and 51°.

Sugarcane harvest making satisfactory progress. Sucrose yield percentage affected somewhat northern and western sections due to rains. Clean up and cultivation main activities coffee farms. Tobacco harvest and drying slowed by rains most sections. Planting and fertilizing of pastures active.

Soil moisture generally adequate. Juana Diaz food crops affected by strong winds.

SOUTH CAROLINA: Temperatures for the week 10 to 15° above normal. Record high readings on one or more days several locations. Scattered showers fell midweek; more general rains moved into State on 21st. Amount varied from more than 1.00 in. in mountains, Upper Piedmont to trace along southeastern coast.

Farm activities: Land preparation, fertilization. Some peach tree pruning. General orchard maintenance. Preparing tobacco land for transplanting. Vegetable harvest in Beaufort-Charleston areas continues on limited basis. Planting pine seedlings. Applying nitrogen to small grains.

SOUTH DAKOTA: Unseasonably warm with temperatures averaging 11 to 17° above normal. Extremes: 12° Milbank 21st, 60° Vale 22nd. Precipitation fell as rain and snow, ranging from 0.10 in. to 0.25 in. east and generally less than 0.20 in. west.

Feed supply situation improving as warm weather continues. Muddy yards continue to be a problem. Livestock generally in fair to good condition.

TENNESSEE: A low pressure system and its associated front threatened the State early week. Series of fronts moved through with squall lines and some severe weather. By weekend a high pressure system stabilized the weather. Temperatures for the week averaged 15° above normal. Precipitation averaged 2.00 in., ranging from 1.07 in. at Dyersburg to 4.67 in. at Jackson.

Unseasonably warm weather has prompted pasture growth and tree budding. Recent heavy rains halted fieldwork. Preparing for spring work, feeding and caring for livestock major activities.

TEXAS: Rain over eastern half early week. Rainfall Upper Coast near normal east Texas totaled 1.75 in. Temperatures above normal most sections. Extremes: 6 to 8° above to 3 to 5° below normal.

Moderate rains eastern section revived wheat, oat crops temporarily, but more rain needed. Western half, drouth continues; grazing and crop prospects deteriorate. Most areas need additional moisture to plant spring crops. Oats: Making fair growth, beginning green up eastern, southern areas in response to rain received past week. Flax: Beginning to bloom South Texas, Coastal Bend, Upper Gulf Coast. Cotton: Planting underway Lower Rio Grande Valley, Coastal Bend, but no stands emerged. Farmers completing seedbed preparations Blacklands southward. Ginning ricked cotton continues Low Plains. Sorghum: Seeding 2 percent complete. Farmers planting South, South Central Texas, Coastal Bend, Lower Rio Grande Valley where moisture available. Corn: Planting underway scattered localities South, South Central Texas, Coastal Bend and Upper Gulf Coast. Wheat: Responded to warm weather and greening up from High Plains to South Texas, but growth slow and restricted primarily to irrigated stands. High winds caused damage Northern High Plains. Greenbug infestations reached economic proportions many localities. Upright growth starting South Texas, but crop prospects poor.

In Lower Rio Grande Valley first spring onions shipped, supplies expected light until March 1. Cabbage harvest continues. Lettuce supplies rapidly diminishing. Carrot digging continues. Coastal Bend watermelon planting continues. Many emerged fields are four-to-six leaf stage and being irrigated. Cabbage harvest is under-

way. Spinach harvest expected to start next week. In San Antonio-Winter Garden spinach harvest continues. Potato planting underway. Cabbage and carrot harvest continues. Watermelon planting continues on irrigated fields, but many dryland fields cannot be seeded because of inadequate moisture. Knox-Haskell potato planting remains active. Trans-Pecos onion planting underway in Pecos County. In the High Plains land preparation and fertilization for potato and onion crops continues. Peach trees in many areas of southern half of State budding and blooming as result of unseasonably warm temperatures. Citrus harvest continues active with picking of early and mid-season oranges in final stages. Adequate supplies of Valencia oranges and grapefruits remain available for fresh-market and processing.

Rains relieved ranges and pastures parts Blacklands East Texas. Response wheat, oats noticeable. Grazing improved but more rain needed to sustain growth. Western half State drouth conditions continue restrict growth though warm weather caused improved color grass, small grain. Stock moving from wheat, oat fields to feedlots and market. Grass fires threat most areas. First screwworm case of year confirmed South Texas.

UTAH: Scattered areas rain or snow many sections of State. Accumulated amounts of moisture generally light to moderate. Average temperatures ranged from near normal to 6° above. Few areas fog some northern valleys with averages 2 to 3° below normal.

Care and feeding of cattle and sheep, dairy herds, and poultry flocks major share of farmers and ranchers time. Preparation of machinery for spring fieldwork. Marketing of dry onions, potatoes and apples continues but near completion. Farm flock lambing in full swing.

VIRGINIA: Unseasonably warm most of period. Extremes: 81 and 20°. Showers midweek, ranging from 0.0 in. east to 0.75 in. southwest. Fieldwork: 4.5 days suitable. Topsoil moisture 83% adequate, 10% surplus, 7% short.

Conditions excellent for fieldwork. Winter grains, grazing crops improved with warmer weather. Livestock, including poultry, in good condition. Topdressing small grains, lime, fertilizer and manure spreading continued. Pastures topseeded, soil prepared for spring crops. Early potato plantings on Lower Eastern Shore. Preparation, seeding of tobacco plantbeds, fruit tree pruning, taking soil samples progressed. Other activities included: machinery and fence repair, securing supplies, attending meetings, filing income taxes, general farm chores.

WASHINGTON: West: Temperatures near normal. Precipitation above normal except near normal along coast.

Pruning and tying raspberries. Spraying blueberries. Digging certified strawberries. Harvesting forced rhubarb. Other farm activities: soil testing. Mild winter reduced hay consumption; local supplies generally adequate. Calving and lambing continued. East: Readings 1 to 2° above normal. Precipitation above normal except subnormal central part.

Pruning in orchards nearing completion. Buds swelling on stone fruits. Farm activities included: fertilizing, plowing, disking, seeding spring wheat. Additional erosion in some dryland wheat fields. Calving and lambing continued.

WEST VIRGINIA: Temperatures above normal. Highest temperature 74° at Charleston. Precipitation above normal except northeast.

Soil moisture 50% surplus, 50% adequate. Fieldwork: suitable 3.0 days. Small grains show signs of growth due to mild weather. Farm activities fence building, repairing and care of livestock.

WISCONSIN: Three storms affected Wisconsin during week. First passed south of State 16th with thunderstorms; 0.50 to 0.75 in. rain southeast and 1.00 to 3.00 in. snow southwest. to northeast. Second storm moved northeastward across southeast 18th with 3.00 to 6.00 in. snow central and northeast, 0.50 in. rain southeast. Third storm moved northeastward across Northern Illinois 20th and 21st with 5.00 to 10.00 in. snow in southern third of State. Scattered power failures occurred in the third storm as snow and ice accumulated.

Temperatures continued above normal. Highs 40's south and 30's north. Colder on weekend as storm passed. North had near 10° below morning of 22d for first subzero readings in over a week.

WYOMING: Temperatures ranged from 2° above normal in eastern section, 5 to 7° above extreme east. Dry north central and northeast but measurable moisture fell remainder of State. Heaviest fall occurred extreme western mountains and south eastern quarter. Between 0.25 in. to 0.50 in. common in southeast.

Early lambing, calving continued. Major activities: care and supplemental feeding of livestock due to increased snow cover. Livestock condition good. Winter wheat condition fair to good. Most snow failed to stay on fields because of high winds.

World Weather and Crop Update

When a snow storm raced through the U.S. hard red winter wheat area February 20-21, only a small area received significant snowfall. High winds--hitting 83 mph at Dodge City--swept much of the snow from wheat fields into fence rows and stubble.

Drought intensified in the Malay Peninsula, turning pastures brown and stressing other crops. Wells were drying up and rivers running well below normal. Singapore reports its most severe drought conditions in more than a century. The dry weather, however, enhanced completion of the main season rice harvest and cutting of sugarcane in Thailand.

In contrast, floods caused heavy losses of

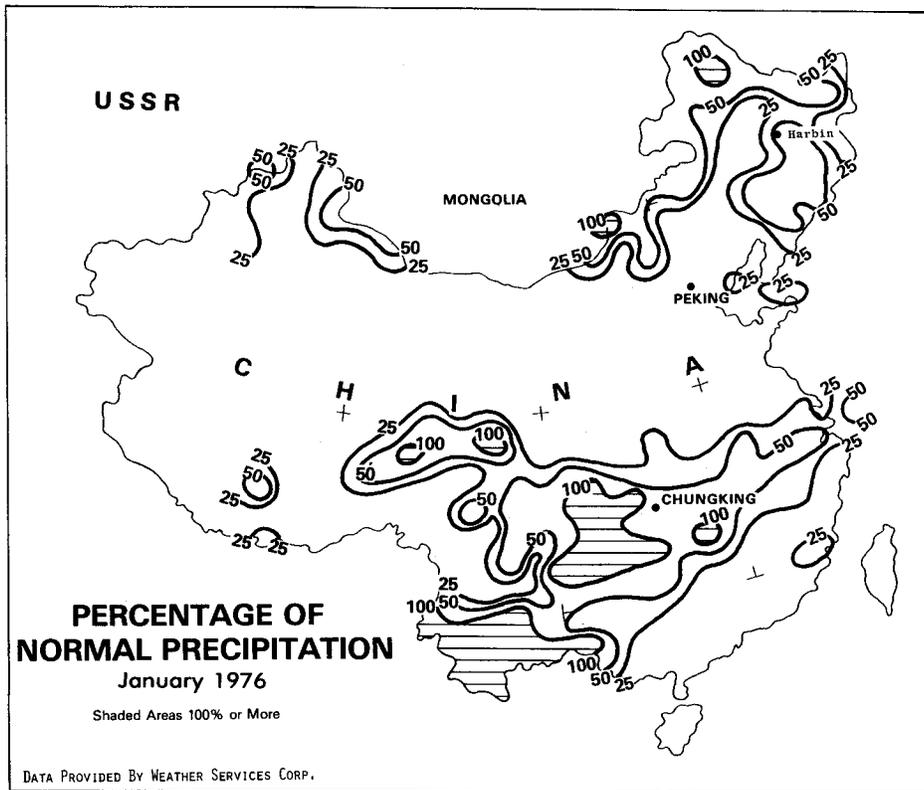
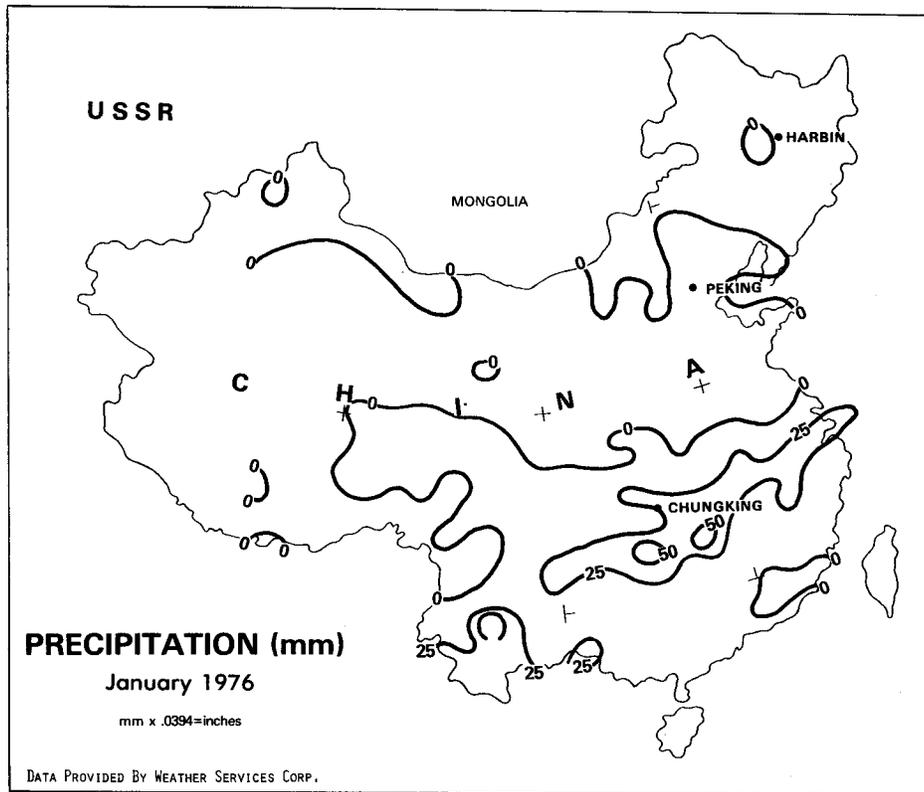
sheep and crops in northwestern New South Wales and southwestern Queensland in Australia.

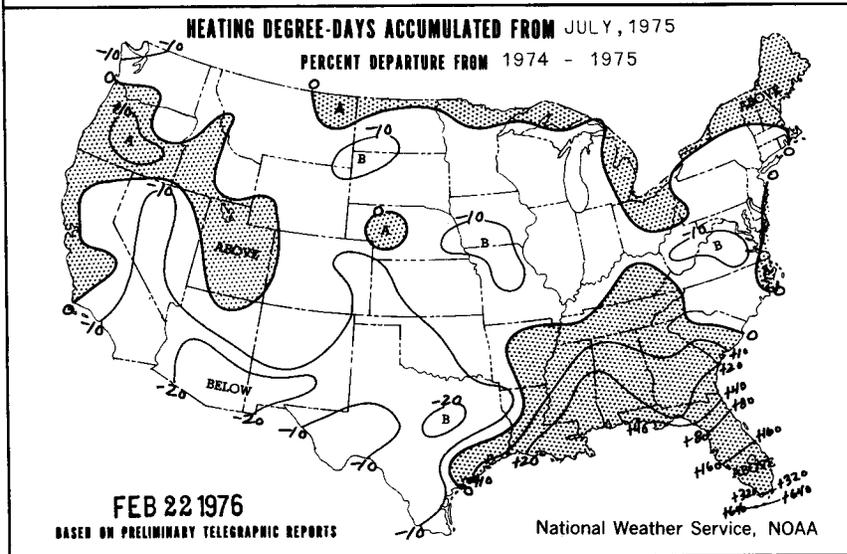
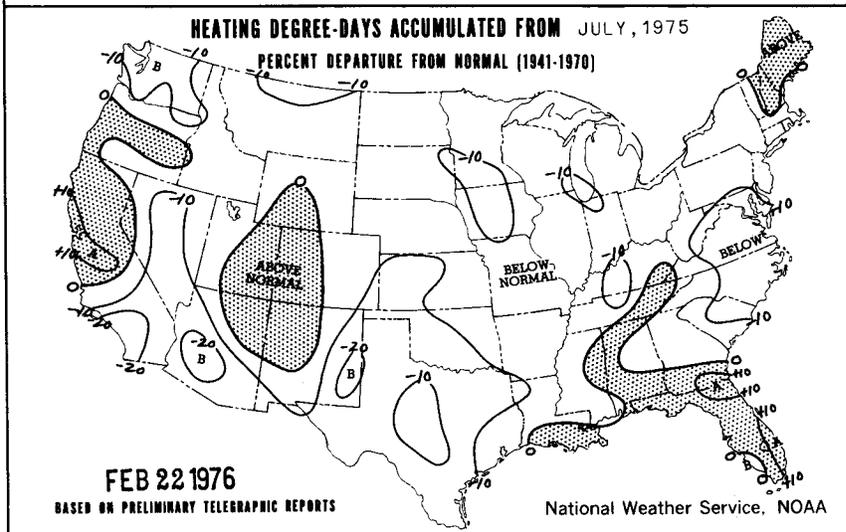
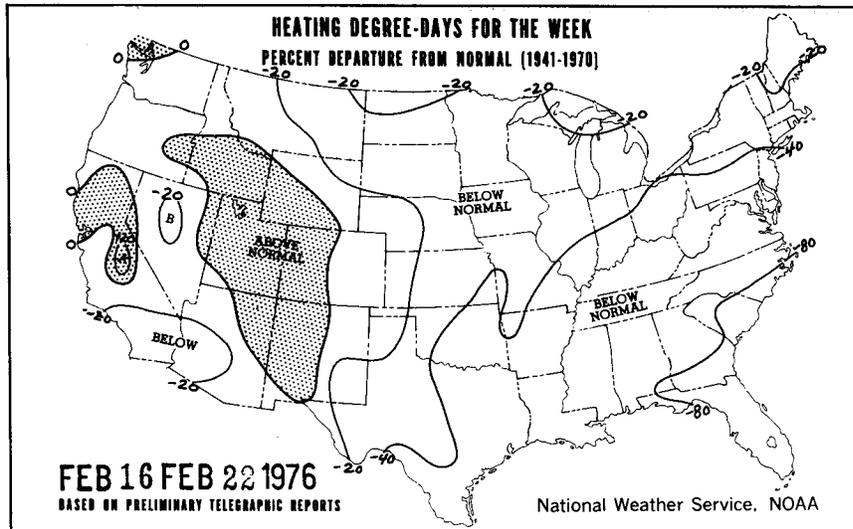
Winter wheat regions of Pakistan, India, and the People's Republic of China received much needed precipitation during the past 10 days. Dry weather, on the other hand, continued in the winter rice regions of India and Sri Lanka.

Winter grains and pastures in Spain were aided considerably by late January and February precipitation. Not so in Iraq; Jordan, and southern Israel, where very dry weather persists.

Generous fall and winter precipitation in the USSR's central Asia region favored crops and built up a substantial snowpack for irrigation.

China Precipitation





IMMEDIATE - U. S. Weather Report

This Report Will be Treated in All Respects as Letter Mail

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FIRST CLASS MAIL

210

HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING FEB. 22, 1976.

STATES AND STATIONS	WEEKLY		SEASONAL ACCUMULATION +		STATES AND STATIONS	WEEKLY		SEASONAL ACCUMULATION +		STATES AND STATIONS	WEEKLY		SEASONAL ACCUMULATION +				
	TOTAL	DEPARTURE*	TOTAL	DEPARTURE*		TOTAL	DEPARTURE*	TOTAL	DEPARTURE*		TOTAL	DEPARTURE*	TOTAL	DEPARTURE*			
ALA. BIRMINGHAM...	38	87	2145	53	250	MAINE CARBON...	74	13	5760	21	81	YOUNGSTOWN...	153	111	4347	124	19
MOBILE...	117	63	1163	116	297	PORTLAND...	74	13	6039	36	219	OKLA. OKLAHOMA CITY...	82	73	2470	347	334
MONTGOMERY...	35	1807	1	294	1	MD. BALTIMORE...	70	138	3013	408	43	TULSA...	82	78	2619	199	193
ARIZ. FLAGSTAFF...	23	26	45898	311	20	MASS. BOSTON...	157	82	3598	256	99	OREG. ASTORIA...	17	17	3207	158	458
PHOENIX...	26	11	11428	207	449	MICH. ALPENA...	57	67	5500	193	11	BURNS...	15	15	5300	30	266
TUCSON...	11	11	356	108	183	DETROIT...	100	100	4387	370	13	PERLETON...	15	15	3231	31	266
HUNTSVILLE...	11	11	108	108	183	GRAND RAPIDS...	100	100	4387	370	13	PORTLAND...	15	15	3231	31	266
YUMA...	11	11	108	108	183	HOUGHTON LAKE...	100	100	4387	370	13	SALEM...	15	15	3231	31	266
ARK. FORT SMITH...	92	54	2599	273	85	LANCASTER...	100	100	4387	370	13	PA. ALLENTOWN...	10	10	3300	100	100
LITTLE ROCK...	48	104	108	108	183	LEWISBURG...	100	100	4387	370	13	ERIE...	10	10	3300	100	100
CALIF. BAKERSFIELD...	79	1582	105	64	20	MINN. DULUTH...	85	85	6698	55	1	HARRISBURG...	10	10	3300	100	100
EUREKA...	10	10	203	20	157	INTERNATIONAL FALLS...	85	85	6698	55	1	PHILADELPHIA...	10	10	3300	100	100
FRESNO...	10	10	203	20	157	MINNEAPOLIS...	85	85	6698	55	1	SCRANTON...	10	10	3300	100	100
RED BLUFF...	10	10	203	20	157	ROCHESTER...	85	85	6698	55	1	R.I. PROVIDENCE...	157	90	3930	134	11
SAN DIEGO...	10	10	203	20	157	ST. CLOUD...	85	85	6698	55	1	S.C. CHARLESTON...	157	90	3930	134	11
LOS ANGELES...	10	10	203	20	157	MISS. JACKSON...	47	60	1743	99	408	GREENVILLE...	157	90	3930	134	11
LONG BEACH...	10	10	203	20	157	MO. COLUMBIA...	132	81	3510	221	416	S. DAK. ABERDEEN...	230	101	5540	408	108
STOCKTON...	99	11	2023	20	157	KANSAS CITY...	132	81	3510	221	416	HURON...	230	101	5540	408	108
COLO. DENVER...	118	118	3843	261	419	SPRINGFIELD...	132	81	3510	221	416	INDIANAPOLIS...	230	101	5540	408	108
GRAND JUNCTION...	118	118	3843	261	419	MONT. BILLINGS...	111	44	4719	250	358	MEMPHIS...	230	101	5540	408	108
PUEBLO...	118	118	3843	261	419	GLASSBORO...	111	44	4719	250	358	RENO...	230	101	5540	408	108
CONN. BRIDGEPORT...	153	83	3434	245	76	HAVRE...	111	44	4719	250	358	SEATTLE...	230	101	5540	408	108
HARTFORD...	153	83	3434	245	76	HELENA...	111	44	4719	250	358	SPRINGFIELD...	230	101	5540	408	108
DEL. WILMINGTON...	93	127	3251	279	78	KALISPELL...	111	44	4719	250	358	TEXAS. ABILENE...	77	37	1907	157	51
D.C. WASHINGTON...	54	137	2598	505	130	KATONAH...	111	44	4719	250	358	AMARILLO...	77	37	1907	157	51
FLA. APALACHICOLA...	19	52	1189	87	40	MISSOULA...	111	44	4719	250	358	AUSTIN...	77	37	1907	157	51
DAYTONA BEACH...	19	52	1189	87	40	NEBR. GRAND ISLAND...	90	64	4426	195	434	BEAUBOARD...	77	37	1907	157	51
FORT MYERS...	19	52	1189	87	40	NORFOLK...	90	64	4426	195	434	BRONXVILLE...	77	37	1907	157	51
JACKSONVILLE...	19	52	1189	87	40	NORTH PLATTE...	90	64	4426	195	434	CORPUS CHRISTI...	77	37	1907	157	51
KEY WEST...	19	52	1189	87	40	ORAMA...	90	64	4426	195	434	EL PASO...	77	37	1907	157	51
LAKELAND...	19	52	1189	87	40	ROSEMOUNT...	90	64	4426	195	434	FORT WORTH...	77	37	1907	157	51
MIAMI...	19	52	1189	87	40	VALENTINE...	90	64	4426	195	434	HOUSTON...	77	37	1907	157	51
ORLANDO...	19	52	1189	87	40	NEV. ELY...	265	11	5046	13	91	LUBBOCK...	77	37	1907	157	51
TALLAHASSEE...	19	52	1189	87	40	LAS VEGAS...	265	11	5046	13	91	SAN ANGELO...	77	37	1907	157	51
TAMPA...	19	52	1189	87	40	RENO...	265	11	5046	13	91	SAN ANTONIO...	77	37	1907	157	51
WEST PALM BEACH...	19	52	1189	87	40	ALBUQUERQUE...	22	61	5552	442	153	SAN ANTONIO...	77	37	1907	157	51
GA. ATLANTA...	89	89	2271	139	139	H. CONCORD...	22	61	5552	442	153	UTAH. SALT LAKE CITY...	224	10	4147	73	305
AUGUSTA...	89	89	2271	139	139	N. J. ATLANTIC CITY...	109	109	3160	369	21	TRENTON...	231	88	5356	90	143
MACON...	89	89	2271	139	139	TRENTON...	109	109	3160	369	21	VT. BURLINGTON...	231	88	5356	90	143
SAVANNAH...	89	89	2271	139	139	N. MEX. ALBUQUERQUE...	91	22	3348	120	194	VA. LYNCHBURG...	71	114	2578	156	142
IDAHO. BOISE...	110	110	4038	262	15	ROSELLE...	108	41	2302	583	523	WASH. GUILDFORD...	70	115	2647	300	246
LEHISTON...	110	110	4038	262	15	Y. ALBANY...	108	41	2302	583	523	BUFFALO...	70	115	2647	300	246
POCATELLO...	110	110	4038	262	15	BINGHAMTON...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
ILL. CAIRO...	110	2679	252	141	141	BUFFALO...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
CHICAGO...	110	2679	252	141	141	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
SPRINGFIELD...	110	2679	252	141	141	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
IND. EVANSVILLE...	107	107	3287	165	15	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
FORT MYERS...	107	107	3287	165	15	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
INDIANAPOLIS...	107	107	3287	165	15	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
SOUTH BEND...	107	107	3287	165	15	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
IOWA. BURLINGTON...	78	4139	323	323	259	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
DES MOINES...	78	4139	323	323	259	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
OSWEGO...	78	4139	323	323	259	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
STOUCX CITY...	78	4139	323	323	259	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
KANS. CONCORDIA...	72	72	3680	400	374	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
DOBE CITY...	72	72	3680	400	374	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
GOODLAND...	72	72	3680	400	374	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
TOPEKA...	72	72	3680	400	374	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
WICHITA...	72	72	3680	400	374	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
KY. LEXINGTON...	81	118	3460	357	122	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
LOUISVILLE...	81	118	3460	357	122	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
LA. BATON ROUGE...	27	53	1371	4	250	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
LAKE CHARLES...	27	53	1371	4	250	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
NEW ORLEANS...	27	53	1371	4	250	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246
SHREVEPORT...	27	53	1371	4	250	NEW YORK...	108	41	2302	583	523	CHARLOTTE...	70	115	2647	300	246

* BASED ON 1941-70 NORMALS.

+ ACCUMULATION FROM JULY 1, 1975.