

WEEKLY WEATHER AND CROP BULLETIN

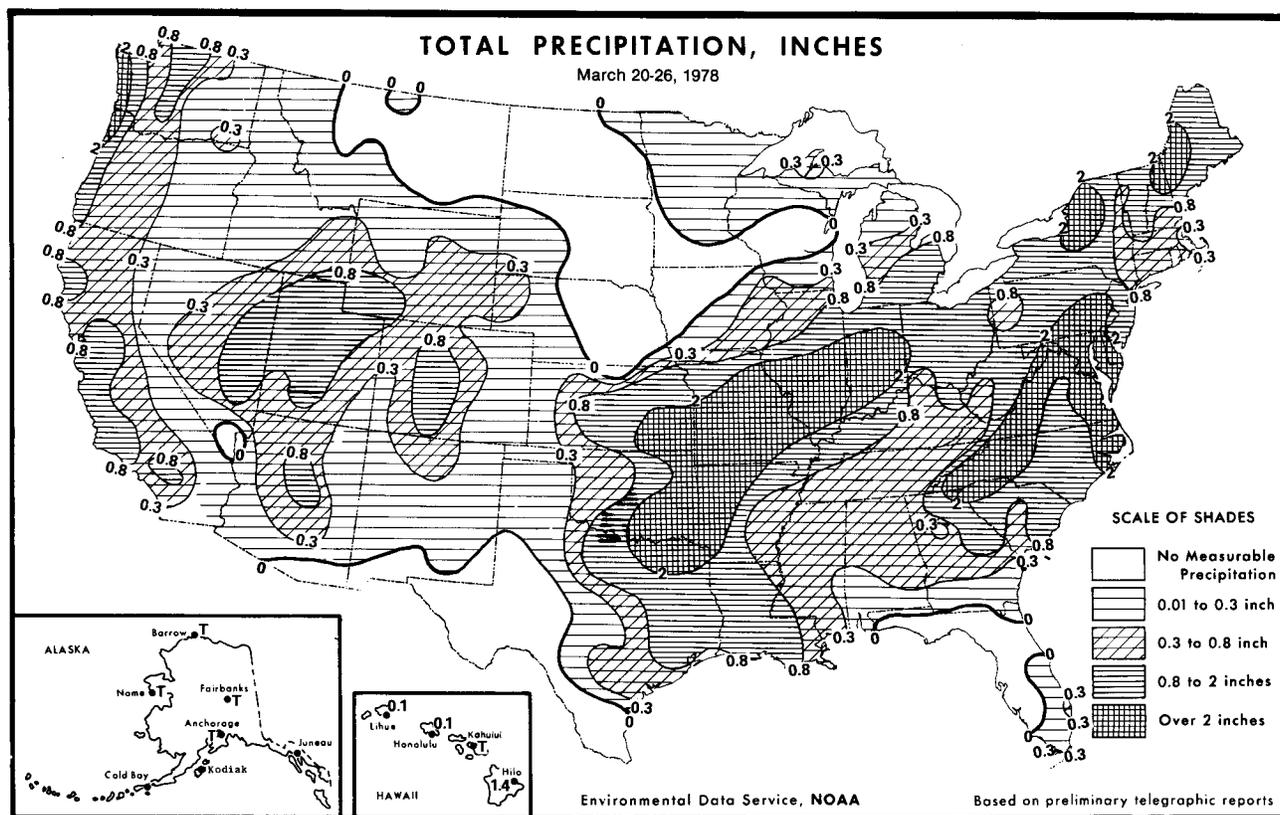
U.S. DEPARTMENT OF COMMERCE
Environmental Data Service, NOAA

U.S. DEPARTMENT OF AGRICULTURE
Economics, Statistics, and Cooperatives Service

Volume 65, No. 13

Washington, D.C.

Mar. 28, 1978



National Weather Summary

March 20 - 26

HIGHLIGHTS: Snow melt led to heavy flooding in the central Plains early in the week. Later, heavy precipitation on saturated soils caused overflow in the central Mississippi and Ohio Valleys. At week's end, large amounts of rain fell along the Atlantic Coastal States.

The extremes of winter temperatures began to moderate to near-normal readings. Exceptions included below-normal temperatures in the Great Lakes area and Deep South. The West continued much warmer than expected for this time of year.

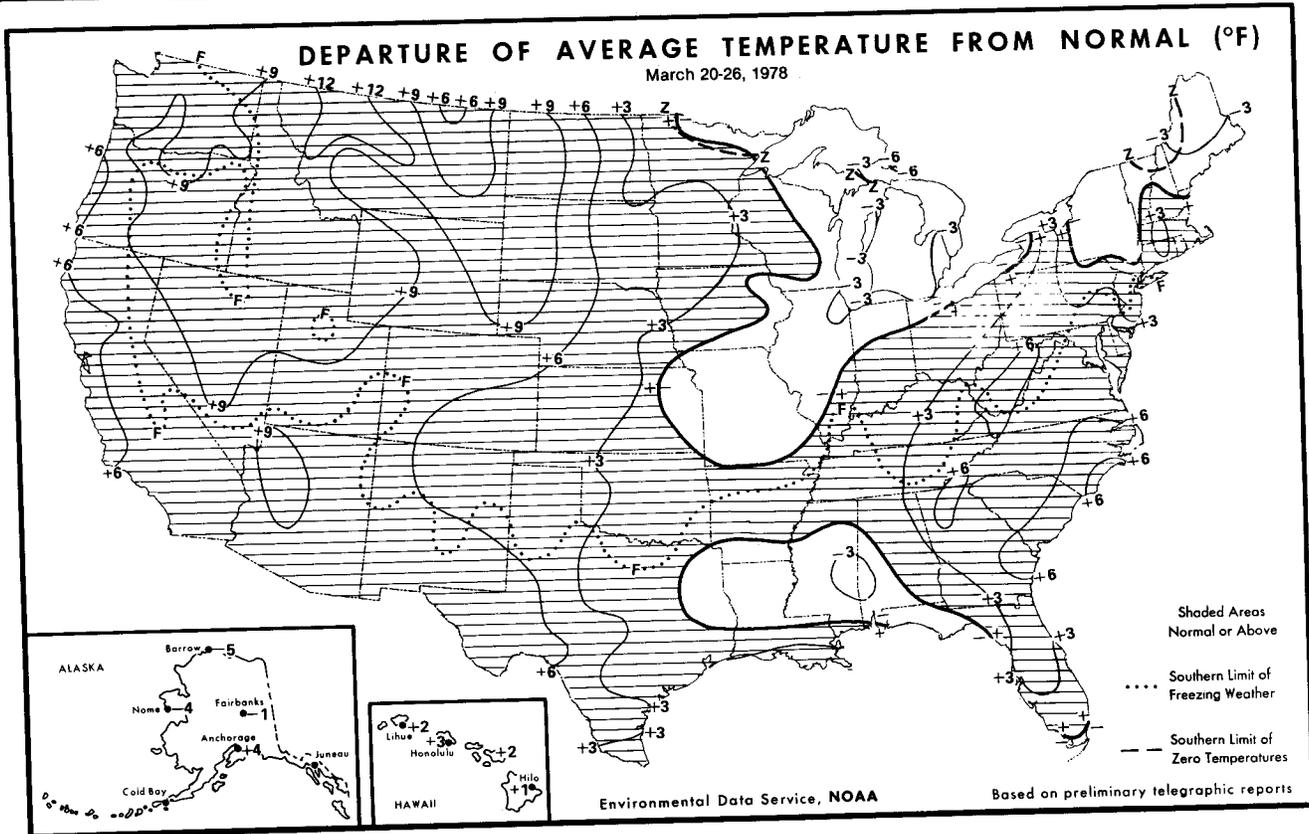
The coming of spring was hardly an occasion for celebration by some sections from the upper half of the Plains through the Mississippi Valley to the Ohio Valley. Flooding became serious along

several rivers, especially the Platte in Nebraska, Iowa's East Nishnabotna, and tributaries of the Missouri River. The overflow in the Wabash River Basin was the worst since 1940, and one portion of the Ohio River crested 8 feet above flood stage on Monday.

Meantime severe thunderstorms carrying some hail covered an area from northeastern Texas to Missouri. The heaviest rainfall for the day saw nearly an inch and one-half in Springfield, Mo., and Belleville, Ill.

Winter lingered further north where snow fell over the extreme northern Plains and upper Minnesota.

Flooding continued to occupy the weather picture from the Plains to Pennsylvania on Tuesday. Dozens of waterways were at bankfull and more; snow melt, ice jams, and additional precipitation aggravated the problem. Scattered storms produced rain from Michigan to the Gulf of Mexico and reached the Atlantic Coastal States by late evening. Rain also fell from California to the Plateau



Region; Stockton, Calif., measured an inch and one-quarter. Some snow whitened northern New England.

High water levels persisted over a wide-ranging section of the U.S. on Wednesday, but conditions improved as some flooding receded. A line of heavy thunderstorms struck the eastern half of Kansas at night threatening to swell streams. Wichita counted an inch and one-third. Rain became heavy in California eastward to the Plateau Region; Santa Barbara gathered 1.65 in. while Caliente, Nev., got about a half-inch.

Some light snow dusted the Great Lakes area and New England. Still on the ground were snow covers of 20 inches in northern New England, and 24 inches at Sault Ste. Marie, Mich.

Storms brewed over the southern half of the Plains on Thursday triggering snow and sleet in the northern reaches of the area. Rain, hail, and a tornado clipped the southerly edge of the adverse weather. Hail pelted sections from central Texas to southeastern Oklahoma; a tornado touched down near Dallas; and 3 inches of snow blanketed Dodge City, Kans. Heavy amounts of rain included 1.49 in. at Dallas/Ft. Worth, and 1.36 in. at Fort Smith, Ark., and McAlester, Okla. Out west, a half-inch to one inch of rain dampened the northern half of the Pacific Coast. On the snow scene, Denver reported 3 inches and portions of New England got up to 4 inches.

Serious flooding occurred along the Maumee River from Fort Wayne, Ind., to Grand Rapids, Mich.

Heavy snow punched the Nation's midsection on Friday; 8 inches covered Kansas City while 4 inches accumulated in southeastern Iowa. The low pressure

system, stationed over southern Missouri, also set off rain that dumped nearly 2 inches in Harrison, Ark., and nearly an inch or more on points in Louisiana, Texas, Missouri, and Kentucky.

Flooding plagued areas in Indiana, Minnesota, Missouri, and Kansas.

Meantime rain trekked onto the upper West Coast where Quillayute, Wash., measured 1.16 in.

A heavy glaze iced a large portion of the center of the Nation on Saturday; especially hard hit was northeastern Missouri and the lower half of Illinois. The freezing rain extended to the central Appalachians, and rain fell to the south and east of those mountains. Snow bore down on points in the Midwest, Pennsylvania, New York State, and New England. Columbia, Mo., gathered 8 inches, while 7 inches covered Ottumwa, Iowa, and 4 inches hit Bradford, Pa. Rain became heavy in the middle Atlantic States; more than an inch drenched cities in North Carolina and Georgia. In Tennessee, hail pummeled Chattanooga and Crossville.

A cold front carried rain to the Pacific Northwest; two-thirds inch dampened some towns.

Most of Sunday's precipitation was concentrated over the middle Atlantic States; Washington, D.C., Richmond, Wilmington, N.C., and Newark, N.J., all gathered about an inch and one-quarter of rain. Freezing rain, sleet, and snow spread from Wisconsin to New England. Large hail pelted points in North Carolina.

Easter Sunday presented a different picture to the west. Record high temperatures warmed Boise, Idaho, 71°, and in Arizona, Flagstaff reached 68° and Phoenix sizzled at 91°.



National Agricultural Summary

March 20 - 26

HIGHLIGHTS: Temperatures advanced above normal melting most snow cover and leaving fields in many northern areas too wet to support tillage equipment. Rains also saturated soils from eastern Texas to Indiana and the middle Atlantic States. Southern farmers had 4 to 5 days available for fieldwork; northern growers were unable to plow or plant. Soil moisture rated adequate to surplus throughout the Nation. Pastures greened as far north as West Virginia and Nevada. Winter wheat improved under the influence of moderating temperatures and ample soil moisture. Standing water stressed some wheat fields. Spring small grain seedlings advanced slowly. Corn planting extended throughout the South. Cotton planting was confined to extreme southern production areas by low soil temperatures. Growers planted peanuts in Florida and Texas. Deciduous fruit trees bloomed in extreme southern States, and vegetable activity advanced into New Jersey.

SMALL GRAINS: Winter wheat rated fair to good and improving. Flooding from snow melt swelled streams while standing water in some fields damaged wheat which was struggling out of one of the coldest winters. Some early wheat in southern areas advanced into the joint and head stages.

Kansas wheat improved; higher temperatures aided growth. Late-seeded wheat greened more slowly than earlier seedings. Moisture was short in western Kansas but adequate to surplus elsewhere. Oklahoma wheat rated fair to good; 10% of the crop reached the jointing stage. Soil moisture was adequate promoting excellent growth. Texas wheat fields rated good in spite of last winter's low temperatures and lack of moisture on the High and Low Plains. Farmers sprayed northern and central fields to control greenbugs. New Mexico wheat rated good and grew well. Colorado wheat stands scored fair to good and showed very little wind damage; 4% was pastured. Arizona wheat heading increased. Winter wheat in the West Coast States rated good but under some stress from wet soils. Oregon growers fertilized stands. Montana and Idaho wheat rated good to excellent; some erosion and standing water affected the Montana crop.

In the South, wheat rated mostly fair to good and greening. Farmers fertilized, but some local areas were too wet to support farm equipment. About 21% of Mississippi's crop reached the joint stage. In the north central States, standing water stressed some fields and, late in the week, thick ice covered many fields.

Spring seeding progressed more slowly than normal, but in many areas, ahead of last year. Colorado oats seeding reached 21%, ahead of 1977's 8% but behind the 29% average. Kansas oats planting stood at 5%, far short of 1977's 80% and the 50% normal.

OTHER CROPS: Corn planting spread across the South reaching into Virginia where farmers planted only 1% of the acreage. South Carolina growers reached 14%, thrown behind normal by low temperatures. Georgia planters reached 9%, short of 1977's 12%. Mississippi farmers advanced to 15% equalling 1977's pace. Texas corn growers planted from the southern Blacklands southward. Early corn fields developed well. Texas planting reached 17%, edging out 1977's 16% but lagging the 29% average.

Cotton planting activity centered in Texas, Arizona, and California. Rains slowed cotton soil preparation. Arizona growers prepared land and planted cotton; early cotton was up to stand. Texas growers planted in the lower Rio Grande Valley and the Coastal Bend. Stands were good in early planted fields. Some Coastal Bend fields were replanted because low soil temperatures reduced germination. Producers in the High and Low Plains applied fertilizers and herbicides. Texas planting reached 10%, ahead of 1977's 4% and the 5% average.

Texas sorghum growers seeded south and central areas with early fields up to good stands. Land preparation was underway in the plains and North Texas. Planting reached 40%, ahead of 1977's 38% and the 37% average.

Rice planting was underway in Texas and Louisiana; California growers prepared fields. Texas farmers finished preparing seedbeds. Seeding reached 14%, short of 1977's 18% and the 36% average. Growers flushed early planted fields to bring up stands.

Growers planted peanuts in Florida and Texas. Florida sugarcane harvest was almost finished; young cane grew well. Louisiana growers shaved sugarcane stubble.

Irish potato planting was widespread across the South, and into Colorado and Oregon. Mississippi reached 63% complete, North Carolina 33%, and Eastern Shore Virginia 50%.

FRUITS AND NUTS: Deciduous fruit trees bloomed in extreme southern areas; pruning was in progress in northern areas. Georgia peaches rated fair to mostly good nearing full bloom. Apples were fair to mostly good; buds were swelling. South Carolina peaches were blooming late with some bud kill in higher elevations due to low temperatures. Virginia orchards were not in bloom yet. Texas pecan trees were dormant; a few buds showed in the south and along the upper Gulf Coast. Texas peach trees ranged from setting fruit in the south to pink bud stage in the north. California fruit and nut growers sprayed deciduous orchards for insect and brown rot control; most trees bloomed. California almonds dropped blossoms; early walnuts began blooming.

Citrus trees bloomed in all production areas. Florida orange harvest slowed; grapefruit picking was very active. Texas Valencia and grapefruit harvests were active. California citrus harvest continued with a quality problem in Navels.

VEGETABLES: Growers planted hardy crops as far north as New Jersey. Florida vegetables rated fair to very good; shipments held steady. Volume increased or held steady for all crops except eggplants, peppers, potatoes, and radishes. Texas growers harvested broccoli, spinach, cabbage, carrots, lettuce, and onions. Higher temperatures stimulated vegetable growth; spring vegetable planting was active. California asparagus and broccoli supplies were heavy, cauliflower light. Growers planted processing and fresh market tomatoes.

PASTURES AND LIVESTOCK: Most grasslands rated only poor to fair; moderating temperatures have not produced lush spring growth except in extreme southern areas and in the West. Northern pastures did not start growing yet. Pastures were the best in several years in the Southwest. California ranges and pastures rated excellent. Texas ranges greened, but grazing was limited. Producers fed hay from fast depleting stocks. Florida pastures responded to warm, sunny weather and fertilizer applications.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., March 26, 1978

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 . . .	55	0	.4	-1.0	LA. Baton Rouge . . .	61	0	.9	-.2	Youngstown . . .	39	+1	.7	-.1
Mobile . . .	61	0	T	-1.6	Lake Charles . . .	63	+1	1.3	+.5	OKLA. Okla. City . . .	53	+3	.8	+.3
Montgomery . . .	59	+1	.4	-1.0	New Orleans . . .	65	+3	.5	-.7	Tulsa . . .	52	+1	1.8	+1.2
ALASKA. Anchorage . . .	30	+4	T	-.1	Shreveport . . .	57	-2	1.4	+.4	OREG. Astoria . . .	52	+7	2.4	+1.0
Fairbanks . . .	18	-5	T	-.1	MAINE. Caribou . . .	22	-5	1.1	+.6	Burns . . .	48	+11	.2	0
Juneau . . .	12	-1	T	-.1	Portland . . .	34	0	2.8	0	Madford . . .	54	+8	.6	+.2
Kodiak . . .	5	-4	T	-.1	MD. Baltimore . . .	49	+4	2.8	+2.0	Pendleton . . .	52	+7	.3	+.1
Nome . . .	5	-4	T	-.1	MASS. Boston . . .	41	+1	.2	-.7	Portland . . .	55	+9	.5	-.3
ARIZ. Flagstaff . . .	44	+9	1.2	+.8	Chatham . . .	38	1	.2	-.7	Salem . . .	52	+6	.7	-.2
Phoenix . . .	70	+9	.5	+.4	MICH. Alpena . . .	26	-3	1.2	-.3	PA. Allentown . . .	45	+4	2.1	+1.3
Tucson . . .	65	+6	0	-.1	Detroit . . .	35	-3	1.1	+.5	Erie . . .	35	0	1.1	+.4
Winslow . . .	54	+8	.2	+.1	Flint . . .	32	-3	1.1	+.6	Harrisburg . . .	47	+3	2.4	+1.7
Yuma . . .	71	+6	.1	+.1	Grand Rapids . . .	32	-4	.7	-.4	Philadelphia . . .	47	+3	1.8	+.9
ARK. Fort Smith . . .	53	+1	2.2	+1.4	Houghton Lake . . .	27	-3	1.0	+.4	Pittsburgh . . .	45	+4	.8	0
Little Rock . . .	55	+2	.7	-.4	Lansing . . .	31	-5	1.1	-.4	Scranton . . .	40	+1	.9	+.3
CALIF. Bakersfield . . .	54	+6	.8	+.6	Marquette . . .	29	-3	.6	0	R.I. Providence . . .	40	+1	.3	-.6
Eureka . . .	55	+6	.6	-.4	Muskegon . . .	22	-6	.3	-.1	S.C. Charleston . . .	66	+8	1.1	0
Fresno . . .	62	+7	.4	0	S. St. Marie . . .	28	+1	.1	-.4	Columbia . . .	61	+5	.7	-.4
Los Angeles . . .	66	+7	.8	+.4	MINN. Duluth . . .	22	-2	.2	-.1	Greenville . . .	56	+3	2.9	+1.7
Red Bluff . . .	60	+6	.3	-.2	Internat'l Falls . . .	28	-2	.2	-.1	S.D. Aberdeen . . .	34	+3	T	-.3
San Diego . . .	65	+7	.1	-.3	Minneapolis . . .	36	+4	.1	-.3	Huron . . .	36	+4	T	0
San Francisco . . .	58	+5	.5	-.1	Rochester . . .	34	+3	0	-.4	Rapid City . . .	43	+10	.3	0
Stockton . . .	61	+7	1.7	+1.3	St. Cloud . . .	33	+4	.1	-.3	Sioux Falls . . .	37	+4	0	-.4
COLO. Denver . . .	46	+7	.7	+.4	MISS. Jackson . . .	56	-2	.6	-.7	TENN. Chattanooga . . .	57	+5	.6	-.7
Grand Junction . . .	50	+7	.2	0	Meridian . . .	53	-5	.2	-1.2	Knoxville . . .	57	+5	.5	-.7
Pueblo . . .	47	+5	.1	-.1	MO. Columbia . . .	42	-2	.9	+.2	Memphis . . .	55	+2	.5	-.5
CONN. Bridgeport . . .	40	0	.8	0	Kansas City . . .	44	-2	3.1	+2.4	Nashville . . .	53	+2	.6	-.2
Hartford . . .	41	+3	.7	-.2	St. Louis . . .	44	-2	4.1	+3.4	TEX. Abilene . . .	60	+3	T	-.1
D.C. Washington . . .	52	+5	2.5	+1.7	Springfield . . .	43	+9	T	-.2	Amarillo . . .	52	+4	.1	-.1
FLA. Apalachicola . . .	61	-1	0	-1.1	MONT. Billings . . .	34	+6	T	-.1	Austin . . .	65	+3	.3	-.1
Daytona Beach . . .	68	+3	0	-.8	Glasgow . . .	45	+13	T	-.2	Beaumont . . .	61	+2	0	-.1
Ft. Myers . . .	71	+1	0	-.7	Great Falls . . .	39	+10	.1	0	Brownsville . . .	71	+4	0	-.2
Jacksonville . . .	67	+4	.1	-.7	Hayre . . .	49	+7	T	-.2	Corpus Christi . . .	70	+4	0	-.2
Key West . . .	73	-2	.7	+.3	Helena . . .	43	+11	.3	+.1	Dallas . . .	70	+6	0	-.2
Lakeland . . .	71	+4	0	-.5	Kalispell . . .	43	+8	T	-.1	Del Rio . . .	63	+7	0	-.1
Miami . . .	72	0	T	-.8	Miles City . . .	41	+8	T	-.1	El Paso . . .	59	+2	1.7	+1.1
Orlando . . .	72	+5	0	-.9	Missoula . . .	47	+12	T	-.2	Fort Worth . . .	62	0	.3	-.3
Tallahassee . . .	62	0	0	-1.3	NEBR. Grand Island . . .	42	+4	0	-.3	Galveston . . .	63	+1	.9	+.3
Tampa . . .	70	+3	0	-.3	Lincoln . . .	41	+2	0	-.4	Houston . . .	55	+4	T	-.2
W. Palm Beach . . .	71	0	.5	-1.0	Norfolk . . .	40	+4	0	-.4	Lubbock . . .	63	+7	T	-.1
GA. Atlanta . . .	59	+6	1.8	+.8	N. Platte . . .	42	+6	T	-.3	Midland . . .	62	+3	0	-.2
Augusta . . .	61	+4	.7	-.4	Valentine . . .	40	+7	0	-.2	San Angelo . . .	65	+2	.7	+.3
Macon . . .	63	+7	T	-1.0	NEV. Ely . . .	43	+9	1.0	+.8	San Antonio . . .	65	+1	.4	0
Savannah . . .	67	+1	1.4	-1.6	Las Vegas . . .	64	+8	.2	+.1	Victoria . . .	62	+3	.5	-.1
HAWAII. Hilo . . .	72	+3	.1	-.6	Reno . . .	47	+6	.2	+.1	Waco . . .	57	+2	.9	+.5
Honolulu . . .	76	+3	T	-.6	Winemucca . . .	49	+10	.2	+.1	Wichita Falls . . .	47	+7	.2	0
Kahului . . .	74	+2	T	-.6	N.H. Concord . . .	35	0	.3	-.3	UTAH. Blanding . . .	51	+10	.9	+.5
Lihue . . .	74	+2	.1	-.9	N.J. Atlantic City . . .	46	+3	1.0	0	Salt Lake City . . .	32	+0	.8	+.4
IDAHO. Boise . . .	53	+11	.2	0	Trenton . . .	46	+2	1.8	+.9	VT. Burlington . . .	52	+4	1.3	+.5
Lewiston . . .	52	+8	.6	+.4	N.MEX. Albuquerque . . .	54	+6	1.1	0	VA. Lynchburg . . .	54	+4	3.0	+2.3
Pocatello . . .	47	+10	1.4	+.3	Roswell . . .	59	+8	T	-.1	Norfolk . . .	53	+4	2.1	+1.3
ILL. Cairo . . .	37	-3	.8	+.1	N.Y. Albany . . .	35	-1	1.2	+.5	Richmond . . .	51	+3	2.7	+2.0
Chicago . . .	39	0	.5	-.2	Binghamton . . .	33	-1	1.2	+.5	Roanoke . . .	47	+8	.1	-.1
Moline . . .	39	-1	.9	+.2	Buffalo . . .	33	-2	1.0	+.4	WASH. Colville . . .	49	+8	.4	+.2
Peoria . . .	35	-2	.4	-.3	New York . . .	45	+2	.6	-.3	Omak . . .	49	+7	2.7	+.4
Rockford . . .	40	-2	2.4	+1.7	Rochester . . .	40	+4	.9	+.3	Quillayute . . .	52	+7	.8	0
Springfield . . .	48	+1	1.9	+.8	Syracuse . . .	35	-1	2.2	+1.5	Seattle-Tacoma . . .	49	+10	.2	-.2
IND. Evansville . . .	38	-1	1.1	+.4	N.C. Asheville . . .	53	+5	2.1	+1.0	Spokane . . .	57	+10	.4	+.1
Ft. Wayne . . .	44	+2	1.3	+.4	Charlotte . . .	57	+4	2.4	+1.4	Walla Walla . . .	52	+9	.3	+.2
Indianapolis . . .	37	-1	1.1	+.4	Greensboro . . .	53	+7	3.1	+2.3	Yakima . . .	50	+7	.9	-.1
South Bend . . .	39	-1	.4	-.3	Hatteras . . .	57	+6	1.6	+.8	W. Va. Beckley . . .	53	+6	.7	-.2
IOWA. Burlington . . .	39	+2	.1	-.5	Raleigh . . .	61	+5	1.7	+.8	Charleston . . .	52	+5	1.2	+.3
Des Moines . . .	32	-3	.5	-.3	Wilmington . . .	38	+9	T	-.2	Huntington . . .	49	+4	1.0	+.1
Dubuque . . .	40	+4	0	-.4	N. DAK. Bismarck . . .	31	+3	T	-.2	Parkersburg . . .	31	-1	T	-.4
Sioux City . . .	45	+4	T	-.4	Fargo . . .	39	+11	T	-.1	WIS. Green Bay . . .	36	+1	T	-.5
KANS. Concordia . . .	47	+4	.6	+.3	Williston . . .	40	+1	1.4	+.6	La Crosse . . .	34	+1	T	-.5
Dodge City . . .	44	+6	.1	-.1	OHIO. Akron-Canton . . .	44	0	.6	-.4	Madison . . .	34	0	.3	-.3
Goodland . . .	43	-1	1.1	+.5	Cincinnati . . .	40	+1	1.2	+.5	Milwaukee . . .	41	+8	.4	+.2
Topeka . . .	48	+2	1.5	+1.0	Cleveland . . .	43	+1	1.9	+1.1	WYO. Casper . . .	41	+8	.2	-.1
Wichita . . .	49	+3	.8	-.3	Columbus . . .	43	+1	1.2	+.4	Cheyenne . . .	44	+11	.1	-.2
KY. Lexington . . .	49	+3	.8	-.3	Dayton . . .	43	+1	1.2	+.4	Lander . . .	42	+9	T	-.3
Louisville . . .	48	+1	.9	-.3	Toledo . . .	35	-3	1.5	+.9	Sheridan . . .	42	+9	T	-.3
										P.R. San Juan . . .	80	+3	1.0	+.5

Based on 1941-70 normals

Publication of the Weekly Weather and Crop Bulletin began in 1872 as the Weekly Weather Chronicle. It is issued under general authority of the Act of January 12, 1895 (44USC 213), 53d Congress, 3d Session. Contents of the Bulletin may be reprinted freely, with proper credit. Standard copy for the Bulletin is prepared by Donald J. Haddock, Lyle Denny, and O. W. Byrd, Environmental Data Service, National Oceanic and

Atmospheric Administration; Harry DeLong and Jim Carlin, Economics, Statistics, and Cooperatives Service, U.S. Department of Agriculture. Yearly subscription rate: \$5.00 domestic and \$11.25 foreign airmail. Order from the Weekly Weather and Crop Bulletin, South Building Mail Unit, Room 1248, USDA, Washington, D.C. 20250. Make checks payable to Department of Commerce, NOAA.

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 ESCS State offices in cooperation with the National Weather Service.

ALABAMA: Spring-like temperatures and light showers common. Cold 25th and 26th.

Fieldwork: 4.0 days suitable. Land preparation made good progress. Some corn planted south. Small grains fair condition. Pastures improving but supplemental feeding necessary. Irish potato planting continued.

ARIZONA: Precipitation 21st and 22d, amounts 0.50 to 1.00 in. central basins, mountains, little southeast; 2 to 5 in. snow Mogollon Rim, White Mountains. Temperatures 4 to 9° above normal.

Land preparation, planting cotton continued. Early cotton up to stand. Seedbed preparations grain sorghum, corn. Wheat, barley very good progress, heading increasing. Alfalfa hay harvest increasing. Safflower good growth. Harvest lettuce, mixed vegetables. Early cantaloups good stands, planting still active. Grapes, deciduous fruit good growth. Harvest Valencia, later variety tangerines increasing. Lemon harvest winding down. Grapefruit harvest limited. Citrus groves full bloom some areas. Ranges, pastures best in years, prospects excellent. Noxious weeds could cause problems. Sheep being moved to summer ranges. Cattle, calves, sheep, lambs good to excellent condition.

ARKANSAS: Warm then cold toward end of week. Snow and snow flurries fell in north. Highest normal 57°, lowest 51°. Highest mean 57°, lowest 48°. Highest temperature 81°, lowest 23°. Most precipitation 4.14 to 0.39 in.

Pastures in poor condition. Still limited grazing south and west. Cool weather slowed fieldwork. Small grains fair. Tomato nursery crop near transplant stage.

CALIFORNIA: Temperatures several degrees above normal; most locations had maximum temperatures in 70's and a few in 80's. Heavy rain south coast. Portions of Central Valley and Sierra Nevada received heavy precipitation also; snow level relatively high in Sierra.

Small grains show good growth, some stress. Barley maturing. Alfalfa nearing cutting stage. Safflower and sugarbeets doing well. Rice and cotton soil preparation slowed by rain. Fruit and nut crop growers aided by dry ground; sprayed apples, apricots, grapes, nectarines, peaches and pears for insects and brown rot control. Most deciduous fruit crops in bloom stage. Citrus harvest continues. Quality a problem in Navels. Citrus crops in early bloom. Nut crops progressing well. Almonds dropping blossoms; early walnuts began bloom. Asparagus and broccoli supplies heavy. Cauliflower light. Lettuce harvest starting San Joaquin Valley. Winter potatoes about finished. Processing and market tomatoes planted. Ranges, pastures excellent development.

COLORADO: Showery midweek brought moderate precipitation. South central and southeast received little needed moisture. Temperatures above normal and typical of mid-April rather than mid-March.

Winter wheat good to fair condition, 4% pastured, very little wind damage. Winter barley good to fair condition. Oats seeded 21%, 8% 1977, 29% average. Spring barley seeded 9%, 14% 1977, 15% average. Sugarbeet and summer potato planting just underway. Ranges and pastures fair to poor. Alfalfa good condition. Livestock mostly good condition. Calving and lambing progressing at normal pace. Death losses below average.

FLORIDA: Dry, mild with temperatures few degrees above normal. Little or no rainfall.

Soil moisture adequate. Corn planting full swing; early corn up. Peanut planting underway central. Land preparation active for other crops. Sugarcane harvest practically complete. Young cane good growth. Small grains good condition. Pastures responding well to warm, sunny weather. Fertilizer application active. Disease, pest problems minimal. Cattle condition poor to good. Citrus grove condition excellent; very little rain, some irrigation. Open bloom all areas but not full at this time. Abundant new growth. Orange harvest slowing. Grapefruit harvest very active. Weather warm, sunny in vegetable growing areas. Temperatures in 80's during day, 60's at night. Winds light to moderate. Rainfall limited to few light to moderate showers last of week. Vegetables fair to mostly very good condition. Growth, quality, fruit set, size very good. Overall shipments held steady from previous week. Volume increased for snap beans, cucumbers, escarole, lettuce, squash. Supplies cabbage, carrots, celery, chinese cabbage, sweet corn, strawberries, okra, tomatoes held steady. Shipments eggplant, peppers, potatoes, radishes decreased. Watermelon plantings fair to good condition. Early fields running. Planting active north, west.

GEORGIA: Temperatures 2 to 4° above normal north; 1 to 3° below normal south. Averages ranged from 47° extreme northeast to near 60° extreme south. Light rain north and central first of week with most amounts less than 0.25 in. Snow showers over mountains 18th. Few showers 25th and 26th.

Soil moisture mostly adequate to excessive south; adequate elsewhere. Fieldwork: 4 days suitable. Fieldwork, especially land preparation, up sharply. Wet soils a deterrent. Planting increased but still minor. Corn 9% seeded, last year 12%. Tobacco fair, 3% transplanted, last year 6%; plants are small. Small grains fair to mostly good, topdressing continued. Pastures mostly fair to good, much lime and fertilizer applied. Watermelons 19% planted, last year 28%. Peaches fair to mostly good, nearing full bloom. Apples fair to mostly good, buds swelling. Much spraying. Cattle fair to good. Hogs fair to mostly good.

HAWAII: Not available.

IDAHO: Temperatures 7 to 8° above normal with highs of upper 60's and 70's common in Snake River Valley. Dry with general precipitation 23d.

Soil moisture adequate to surplus. Field activity increasing in lower elevations and on lighter soils. Seeding onions, spring grains and sugarbeets active southwest. Some higher elevation fields covered with snow. Winter wheat good to excellent condition. Calving and lambing progressing with favorable weather. Livestock in good condition.

ILLINOIS: Temperatures 1 to 5° below normal. Precipitation less than 1.00 in. northern third; heavier south, 3.00 in. southwest. Severe ice-storm 25th and 26th, 0.50 in. some areas; central and southern sections hardest hit.

Winter wheat mostly good. Livestock good condition, some pig and calf losses reported. Feedlots muddy. Thawing roads hindering grain and livestock marketing. Soil moisture adequate to surplus.

INDIANA: Severe ice storm northern half; thawed 26th. Many rivers out of banks. Temperatures ranged from 20 to 74°. Precipitation 1.00 to 1.50 in.

Practically no fieldwork. Fields wet and muddy. Farm activity: Caring for livestock.

IOWA: Temperatures near normal east to 3° above normal northwest. Precipitation, mostly as snow, southeast half on 24th and 25th; amounts of 8 in. Northwest no precipitation. Ground thawing.

KANSAS: Precipitation ranged from trace northwest and north central to 2.00 in. southeast and east central. Rain and snow 22d through 24th. Temperatures ranged from 47 to 48° south and 44 to 46° elsewhere; normal in east and 3 to 5° above normal west and north central.

Wheat condition continues to improve. Warmer weather aiding growth. Late seeded wheat slower in greening. Very little wind damage. Moisture short west, adequate central, adequate to surplus east. Oats 5% seeded, 50% normal, 80% last year. Spring barley 5% seeded, 35% normal, 80% last year. Livestock benefiting from milder weather. Some cattle movement to wheat pasture. Fertilization, preirrigation, spring fieldwork main farm activities.

KENTUCKY: Temperatures near normal, but cold with snow 26th. Rainfall averaged 1.00 to 1.50 in.

Sunshine minimal, fields wet. Too wet to fertilize wheat as ground will not support equipment. Fall seeded crops and pasture beginning to green but sunshine needed. Few tobacco beds seeded. Some flooding of lowlands. All indications of late spring. Supplemental feeding continues, reports of hay supplies about exhausted.

LOUISIANA: Temperatures 1° above normal south, 2° below northwest. Extremes: 32 and 82°. Moderate showers.

Activities: Fertilizing pastures, working cattle, land preparation, herbicide application, corn, rice planting. Fieldwork: 4.5 days suitable. Soil moisture adequate. Shaving sugarcane stubble. Vegetable planting active. Sweetpotato bedding started. Strawberries developing rapidly. Small grains fair condition. Pasture poor to fair. Cattle fair.

MARYLAND & DELAWARE: Temperatures near normal west and south and above normal in east and central. Highs in upper 50's, lows in mid-30's. Western areas colder. Precipitation generally less than 0.25 in. Weekend rainy and cold. Precipitation averaged 1.75 in. west and 2.50 to 3.50 in. east.

Farmers limited to inside work and chores. Most areas too wet to start fieldwork.

MICHIGAN: Temperatures ranged from 3 to 6° below normal with little variation in daily temperatures. Nighttime lows in teens Lower Peninsula, but occasional subzero temperatures Upper Peninsula. Precipitation varied from 0.20 in. northwest Lower to 1.70 in. southwest Lower. Snow depth decreased and nearly gone in southern Lower, but averages about 10 in. northern Lower and 17 in. Upper.

Farm activities limited to routine chores and making maple sirup.

MINNESOTA: Warm, dry. Temperatures 3° above normal, except 1° below normal northeast. Extremes: 57 and -9°. Precipitation 0.30 in. below normal. Precipitation ranged from traces west and south to 0.24 in. northeast. Snowfall ranged from traces west and south to 4 in. parts of north central and northeast. Snow depth ranged from none south to 15 in. north central.

MISSISSIPPI: Temperatures ranged within 4° of normal. Extremes: 24 and 81°.

Soil moisture adequate. Fieldwork: 4.0 days suitable. Acreage plowed 27%, 55% 1977, 35% average. Irish potatoes 63% planted, 68% 1977. Corn 15% planted, 15% 1977. Winter wheat 21% jointing, 25% 1977. Oats 17% jointing, 27% 1977. Pastures in fair condition.

MISSOURI: Temperatures ranged from 5° below normal north to 3 to 4° above normal southeast. Near normal temperatures along western border. Precipitation generally heavy with 1.00 in. or more.

MONTANA: Very mild and dry. Temperatures 10 to 15° above normal.

Winter wheat condition good, some erosion and standing water from heavy snowmelt. Livestock condition fair to good with snow cover leaving ranges.

NEBRASKA: Temperatures 2 to 4° above normal. Precipitation confined to Panhandle; amounts light.

Thawing continued. Little or no fieldwork yet. Flooding eastern sections abated by midweek. Cleanup operations underway.

NEVADA: Dry and unseasonably warm weather beginning and end; precipitation widespread midweek. Temperatures averaged 5 to 11° above normal. Extremes: 81 and 19°.

Seedbed preparation delayed temporarily by widespread showers. Range grasses starting to green. Calving, lambing continues.

NEW ENGLAND: Light rain or snow; 0.25 to 0.50 in. with the greater amounts in northern areas. Late week snow and mixed precipitation over most of New England. Temperatures averaged above normal in spite of sharp drop to well below normal levels at weekend.

NEW JERSEY: Temperatures close to normal. Extremes: 23 and 74°. Rainfall heavy.

Soil moisture in percent of field capacity was 100%. Soil temperatures averaged 32° north, 39° central and 45° south. Planting lettuce, radishes, peas and onions on light well-drained fields south. Fruit pruning finishing up.

NEW MEXICO: Very warm early week. Slight cooling with widely scattered light showers midweek. Temperatures 4 to 8° warmer than normal.

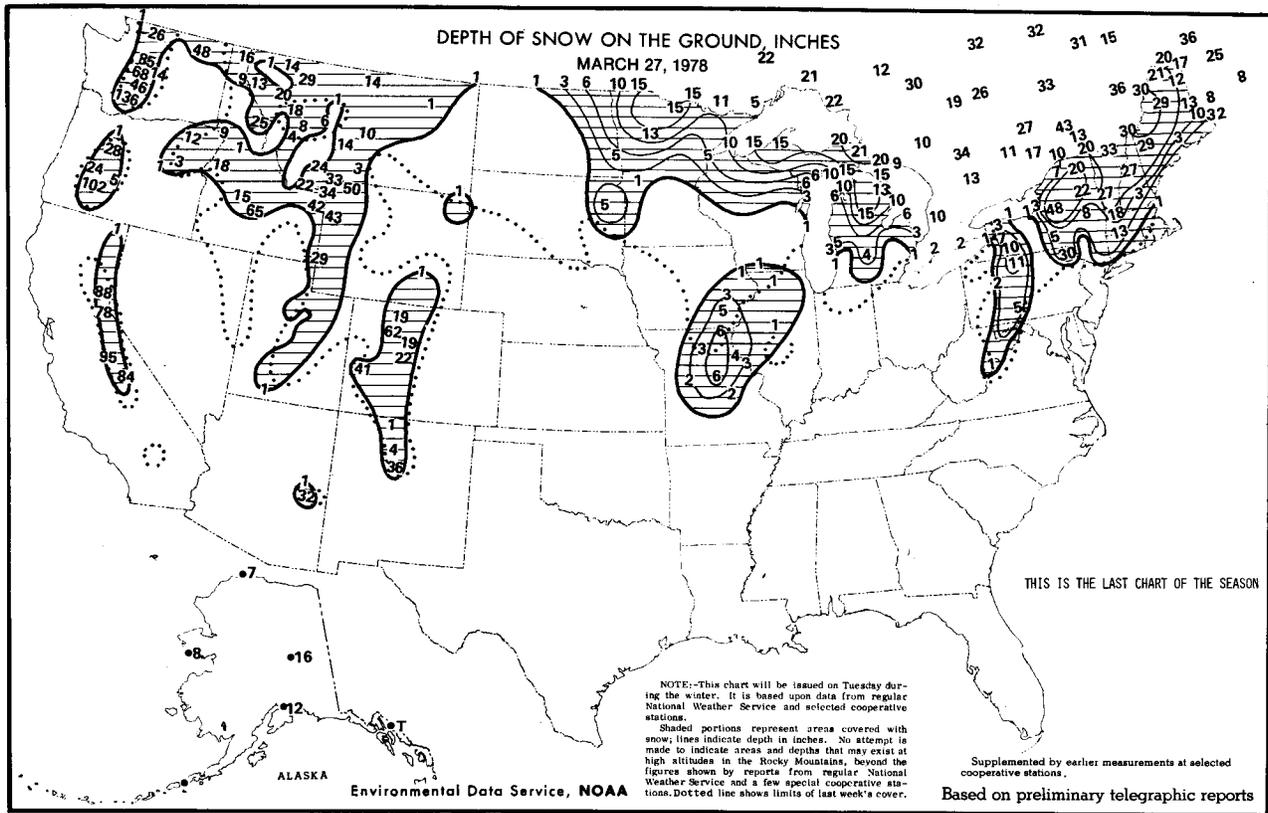
Outdoor activity proceeded unhampered. Wheat, barley good condition, growing well. Alfalfa greening south responding to irrigation and fertilizer. Lettuce, onions Mesilla Valley good condition. Ranges fair, weeds growing. Livestock good, supplemental feeding continues. Lambing, calving, sheep shearing south past 75% mark.

NEW YORK: Temperatures near or a few degrees below normal. Mixed precipitation averaged near normal.

NORTH CAROLINA: Temperatures above normal; colder on weekend. Precipitation 1.00 to 2.00 in. mainly in west.

Fieldwork: 5 days suitable. Farm activities: Preparing land for spring plantings, topdressing small grains, preparing tobacco beds and planting Irish potatoes. Soil moisture adequate. Condition small grains mostly fair to good; pastures generally fair. Supplies hay, roughage and feed grains short to adequate. Planting Irish potatoes about 33% complete.

NORTH DAKOTA: Daytime temperatures generally above freezing; nighttime reading below. Snow melt continued and by weekend soils bare. Snow



cover in some sections, especially southwest. Precipitation extremely light, with largest reading 0.01 in. Extremes: 8 to 57°.

Some rivers reached flood stage. Flooding rivers in north and east. Temperatures near normal. Extremes: 74 and 22°.

OHIO: Wet with precipitation occurring every day. Rainfall over 1.00 in. in all but extreme southwest and northeast. Flooding rivers in northwest. Some minor flooding in south. Temperatures near normal. Extremes: 74 and 22°.

Spring plowing very limited, occurring only on high ground with well drained sandy soils. Water standing in wheat fields and wheat showing some stress northwest. Development of fruit several weeks behind normal. Pruning activity going on.

OKLAHOMA: Temperatures near normal with averages 3° below normal southeast to 3° above normal southwest. Precipitation general with range from 0.01 in. Panhandle to 2.56 in. east central.

Topsoil moisture adequate or surplus. Subsoil moisture adequate. Wheat crop good to fair condition; approximately 10% fields jointing stage. Excellent growth. Condition native pastures excellent to poor. Cattle good shape.

OREGON: Seasonal rains end of week. Precipitation along coast ranged from 0.70 to 1.40 in. Rainfall interior valleys of west generally 0.50 in. East of Cascades, 0.25 in. Rainfall above normal along southern border. Temperatures 7 to 12° above normal. Cooling trend weekend. Extremes: High 70's, mid-30's west; mid-70's, mid-20's east.

Soil moisture adequate. Activity picking up as fields dry. Land prepared for spring seeding. Fall grains fertilized. Grain crops look good. Onions planted and some potatoes. General orchard and berry work continue. Pasture growth continued

good. Some feeding; livestock in excellent condition.

PENNSYLVANIA: Weather report not available.

Farmers' field preparation, fence mending and spring work interrupted by heavy rains end of period.

PUERTO RICO: Island average rainfall 0.59 in. or 0.10 in. above normal. Temperatures about 78° on coasts and 72° interior. Extremes: 90 and 58°.

SOUTH CAROLINA: Temperatures above normal, generally 80's except cooler 25th. Rainfall 24th to 26th. Some hail in coastal plains 26th.

Tobacco plant supply good to fair, size behind 1977 season due to cold. Bedding of tobacco land getting underway. Corn planting at 14% complete, behind normal due to cold weather. Preparing seed sweetpotato beds. Peaches blooming late, varieties in higher locations have some bud kill due to weather extremes. Activities: Tillage, herbicide, fertilizer application, preparing land for crops, applying lime, fertilizer, nitrogen to small grains, pastures where moisture permits. Planting or setting out tomatoes.

SOUTH DAKOTA: Temperatures warmed to a high of 72°; low reading was 9°. Average readings to 6° above normal east and 5 to 10° above normal central and west. Precipitation generally less than 0.10 in.

Melting snow caused flooding along Bad and James Rivers. Some roads temporarily impassable.

TENNESSEE: Rain and thunderstorms 21st. Cold by weekend with rain changing to sleet and snow in east. Temperatures 1 to 3° above normal west and 4 to 7° above normal east. Highs averaged in 60's and lows in low to mid-40's. Precipitation 0.50 to 1.00 in.

Less than 2 days suitable fieldwork. Soil moisture surplus to adequate. Pastures poor. Cattle still on feed. Wheat and oats mostly fair. Spring plowing 25% complete, 1977 55%, average 48%. Tobacco plant beds seeded 40%, 1977 80%, average 77%. Activities: Fertilizing pastures and small grains, feeding livestock.

TEXAS: Temperatures 5 to 10° above normal. Rain-fall below normal High Plains, upper coast, Lower Valley, Edwards Plateau and Trans-Pecos area; normal south central and southern Texas; 0.50 to 0.75 in. north central and east Texas. Soil temperatures ranged from low 50's to mid-70's.

Warm, clear weather provided excellent conditions for planting and fieldwork. Many areas now need rain. Warming conditions initiated new growth in most small grain fields. Land preparation, fertilizer application main activities for producers in High, Low Plains. Planted cotton, corn, and sorghum fields good stands in south. Cotton planting very active Lower Valley, Coastal Bend. Stands good in early planted fields. Some cotton acreage in Coastal Bend being replanted due to cold soil temperatures. Central farmers expect planting to get underway next week. Producers in High, Low Plains applying fertilizer, herbicides. Planting 10%, 4% 1977, 5% average. Sorghum land preparation underway in plains, north. Planting in full swing south, central. Early planted fields up to good stands. 40% planted, 38% 1977, 37% average. Corn planting in full swing from southern Blacklands southward. Early corn fields developing well. Planting 17%, 16% 1977, 29% average. Wheat fields looking good despite colder than normal winter, lack of moisture. Wheat fields in north, central some greenbug damage, spraying active. Oat fields improving with continued warm weather. Many areas need moisture. Oat fields being grazed. Peanut planting underway south; 1% planted, 1% 1977, 5% average. Rice producers winding up seed-bed preparation, planting active. Early planted fields being flushed to bring up stands. Planting 14%, 18% 1977, 36% average. Flax fields blooming south.

Movement of broccoli, spinach, cabbage, carrots, lettuce, onions active. Valencia, grapefruit harvest active. Orange trees in full bloom, grapefruit trees approached this stage. Warmer temperatures stimulated vegetable growth. Spring vegetable planting active. Pecan trees remained dormant most areas. Some buds beginning to show south and along upper Gulf Coast. Peach trees south setting fruit. Trees central and along Gulf Coast in full bloom, in north and east in pink bud stage with few early blooms.

Ranges, pastures continuing to green up with recent warm weather. Limited grazing provided. Producers continuing to feed. Hay supplies short and becoming critical in many areas. Sheep, goat shearing continues.

UTAH: Rain in valleys and snow in mountains. Amounts generally moderate to heavy. Temperatures 3 and 12° above normal.

Soil moisture adequate for range and dryland crop development. Range conditions good. Live-

stock on ranges doing well. Spring fieldwork picking up with good working weather. Temperatures bringing on early blossoming.

VIRGINIA: Temperatures slightly above normal, averaging in low 50's. Extremes: 80 and 17°. Much cooler over weekend. Precipitation heavy on 25th and 26th, averaging 1.00 to 2.00 in. Some ice and snow in higher elevations.

Break in weather allowed most farmers to start spring grain seeding, plowing, disking, fertilizing, liming, spraying herbicides, overseeding pastures and hay; still too wet some northern areas. Fieldwork: 3.9 days suitable. Activity over one week behind usual. Fruit good, no blooms reported, some winterkill central area, spraying started southwest. Pruning active. Wheat, oats, barley, alfalfa, pastures good. Tobacco beds over half seeded; corn 1%, potatoes 50% Eastern Shore. Sweetpotato bedding, peas seeding began Eastern Shore. Some ice damage to winter grains. Topsoil moisture adequate to surplus.

WASHINGTON: West: Temperatures 5° above normal except 4° above Puget Sound area and 6° above coastal region. Precipitation 0.40 in. below normal except 1.30 in. below coastal regions, and 0.30 in. below normal San Juans.

Early lettuce seeding started. Rye green-chopping progressing well.

East: Temperatures 4 to 7° above normal. Precipitation 0.20 in. above normal to 0.20 in. below normal.

Sugarbeets, alfalfa being planted. Spring wheat and barley acreage 30% planted. Apricot and peach trees in bloom or approaching rapidly. Orchard heating being installed. Cattle turned out in many areas.

WEST VIRGINIA: Temperatures above normal. Extremes: 78 and 21°. Precipitation slightly below normal except central section which was above.

Pastures beginning to green. Fieldwork limited due to wet ground.

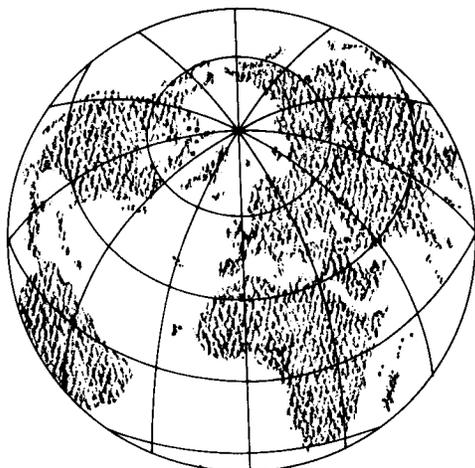
WISCONSIN: Temperatures above normal with highs in 40's and 50's until 24th when dropped to 20's and 30's. Lows mostly teens and 20's. Extremes: 57 and 8°. Precipitation light. Less than 1 in. snow northwest 20th to 21st, trace rain south. Storm 24th-25th left 1 to 2 in. snow southeast and along Illinois border. Snow mostly melted south except for drifts and snowbanks. Snow depths north 1 to 3 in. except exceeds 6 in. extreme north. Very little runoff from gradual snowmelt. Frost coming out of ground. Depths average 9.00 in.

WYOMING: Temperatures above normal. Precipitation generally below normal with exception of Upper Platte drainage.

Topsoil moisture adequate. Acreage planted: Spring wheat 4%; oats 2%; barley 1%. Wet fields slowed land preparation and planting. Winter wheat mostly good, little wind damage. Spring calves born 37%; farm flock ewes lambed 54%; range ewes lambed 20%; farm flock shorn 52%; range sheep shorn 26%. Feed supplies mostly adequate.

World Weather and Crop Update

March 20 - 26



USSR. Spring continued to spread northward in the USSR. A cold front dropped temperatures over the winter grain areas of European USSR at the beginning of the period, but above normal temperatures prevailed by the weekend. The snow line is considerably further north than is normal for this time of the year. Winter grains resumed growth under favorable conditions in the southern Ukraine, Moldavia, and the North Caucasus, and are coming out of dormancy in the northern Ukraine, central Black Soil region and the lower Volga. Soils were worked and planted for early crops in Moldavia, the southern Ukraine, and the North Caucasus. Fruit trees blossomed in the Trans-Caucasus regions and the more southerly regions of the Ukraine and Krasnodar Kray.

AUSTRALIA. Moderate to heavy showers soaked much of southeastern Australia including New South Wales and most of Victoria. Other grain areas

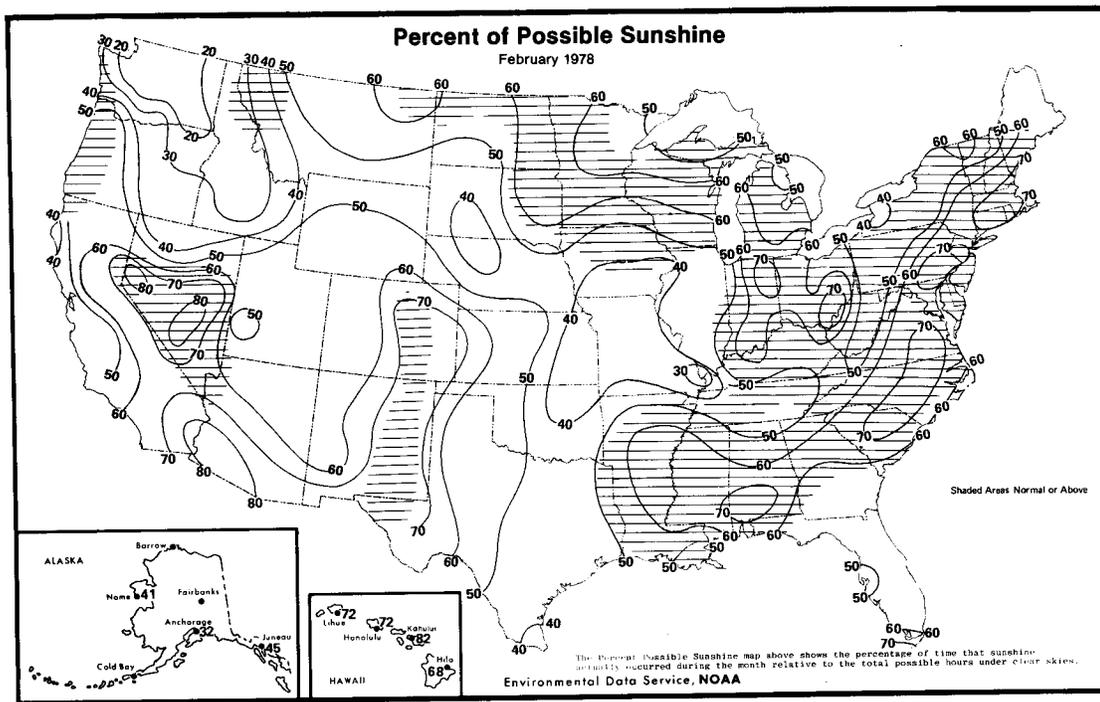
were less fortunate when little significant precipitation fell in South and West Australia.

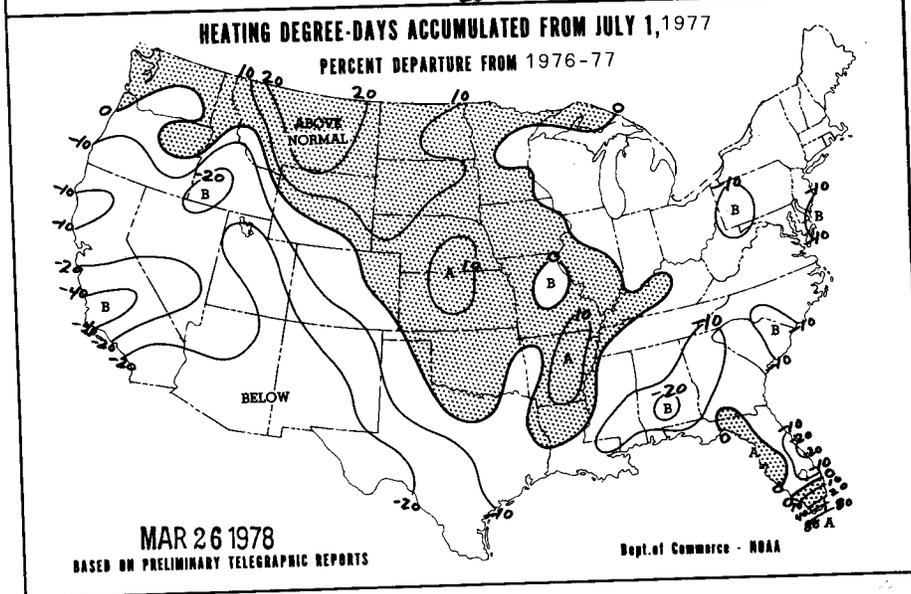
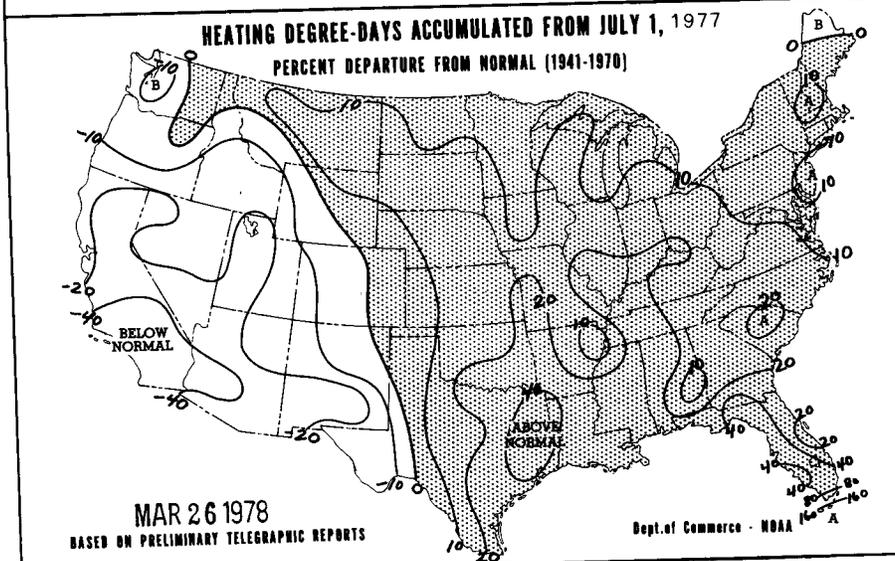
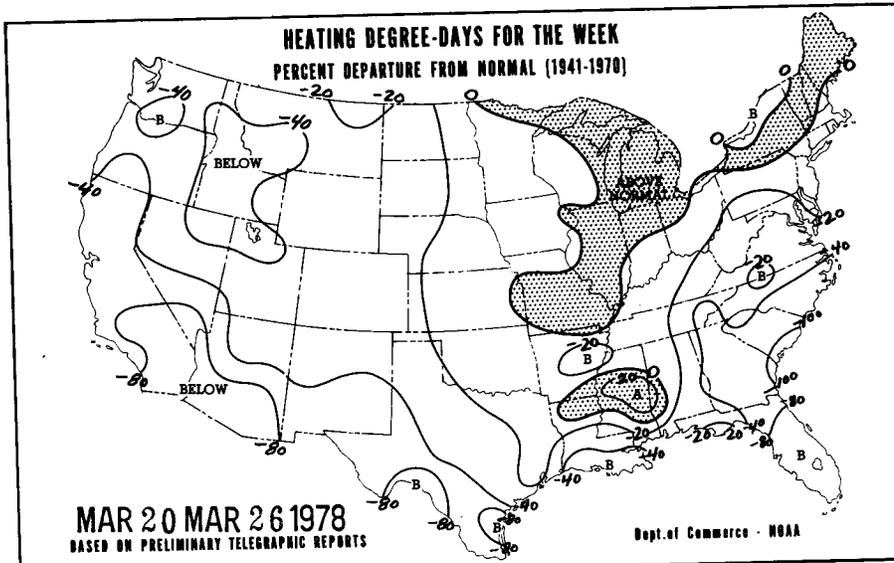
ASIA. Winter grains generally progressed well in China's main winter wheat belt in the north. Most areas south of the Yangtze River received some precipitation with heavy rains---not unusual at this time of year---recorded in several provinces of the extreme south and south central regions. Complaints of spotty spring drought surfaced in the important province of Szechwan. The weather was seasonally dry in India with very little moisture falling. Harvest of rabi crops (spring and early summer harvested) got underway in the north and north central regions.

AFRICA. North Africa's main agricultural areas received very little precipitation. Scattered light showers fell in Tunisia, but more rain was needed, especially in the central part of the country. Data were limited for South Africa, but the important maize triangle probably was dampened by some showers.

EUROPE. Cool, wet weather interfered with spring fieldwork throughout most of western Europe. Similar conditions prevailed in the northern half of eastern Europe although less precipitation moistened this region. Moderate to heavy rains fell in the Balkan countries and the central grain areas of Turkey.

SOUTH AMERICA. Moderate to heavy showers, locally very heavy, especially in parts of Buenos Aires province, slowed harvesting operations over much of the central agricultural areas of Argentina. Much of central Argentina and Uruguay were still drying out from the torrential rains of the previous week which caused waterlogging and floods in some areas. But rainfall continued to be patchy in the main agricultural areas of southern Brazil. Heavy showers were general over Rio Grande do Sul, but soybean areas in western Parana and Sao Paulo received only light amounts of moisture. Minas Geras and Bahia also were basically dry except for coastal showers in Bahia.





HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING MAR. 26, 1978.

STATES AND STATIONS	WEEKLY			SEASONAL ACCUMULATION +			STATES AND STATIONS	WEEKLY			SEASONAL ACCUMULATION +			STATES AND STATIONS	WEEKLY			SEASONAL ACCUMULATION +		
	TOTAL	DEPARTURE*	DEPARTURE FROM 1976-77	TOTAL	DEPARTURE*	DEPARTURE FROM 1976-77		TOTAL	DEPARTURE*	DEPARTURE FROM 1976-77	TOTAL	DEPARTURE*	DEPARTURE FROM 1976-77		TOTAL	DEPARTURE*	DEPARTURE FROM 1976-77	TOTAL	DEPARTURE*	DEPARTURE FROM 1976-77
ALA. BIRMINGHAM...	63	12	3241	576	160	155	MAINE CARIBOU...	291	22	7898	62	621	YOUNGSTOWN...	178	11	6040	551	564		
MOBILE...	11	16	2178	556	155	155	PORTLAND...	211	4	6411	211	412	OKLA. OKLAHOMA CITY...	87	18	3964	548	275		
MONTGOMERY...	11	16	2367	214	581	581	MD. BALTIMORE...	111	28	4463	271	181	TULSA...	90	15	4024	650	274		
ARIZ. FLAGSTAFF...	149	5	4736	1078	770	770	MASS. BOSTON...	168	5	4835	63	247	OREG. ASTORIA...	121	91	3777	225	102		
PHOENIX...	1191	780	692	780	229	229	MICH. ALPENA...	10	10	7040	40	338	BURNS...	121	91	3590	225	102		
TUCSON...	1191	780	692	780	229	229	DETROIT...	10	10	6229	724	127	WEDFORD...	121	91	3426	225	102		
WINSLON...	1191	780	692	780	229	229	FLINT...	10	10	6480	724	127	PORTLAND...	121	91	3426	225	102		
YUMA...	1191	780	692	780	229	229	GRAND RAPIDS...	10	10	6480	724	127	SALEM...	121	91	3426	225	102		
ARK. FORT SMITH...	83	22	3843	709	123	123	HOUGHTON LAKE...	10	10	6480	724	127	PA. ALLENTOWN...	143	28	5333	22	153		
LITTLE ROCK...	83	22	3703	562	372	372	LANSING...	10	10	6480	724	127	ERI...	143	28	5136	43	153		
CALIF. BAKERSFIELD	69	47	1024	964	671	671	MARQUETTE...	10	10	6480	724	127	PHILADELPHIA...	143	28	4974	611	85		
EUREKA...	69	47	2994	746	209	209	MUSKOGEE...	10	10	6480	724	127	PITTSBURGH...	143	28	5519	395	326		
FRESNO...	69	47	1694	746	209	209	ST. MARIE...	10	10	6480	724	127	SCRANTON...	143	28	5817	395	326		
LOS ANGELES...	69	47	1741	600	178	178	MINN. DULUTH...	25	1	8462	351	245	R.I. PROVIDENCE...	172	9	5336	328	265		
RED BLUFF...	69	47	1681	716	191	191	INTERNAT. FALLS...	25	1	9619	689	181	S.C. CHARLESTON...	172	9	3303	263	283		
SAN DIEGO...	69	47	396	800	367	367	MINNEAPOLIS...	25	1	9619	689	181	COLUMBIA...	172	9	3542	263	283		
SAN FRANCISCO...	69	47	1907	450	404	404	ROCHESTER...	25	1	8158	767	0	GREENVILLE...	172	9	3542	263	283		
STOCKTON...	69	47	1731	727	404	404	ST. CLOUD...	25	1	759	472	159	S. DAK. ABERDEEN...	172	9	3846	972	917		
COLO. DENVER...	124	56	4821	215	62	62	MISS. JACKSON...	59	2	2841	654	327	HURON...	172	9	3846	972	917		
GRAND JUNCTION...	124	56	4414	535	148	148	MERIDIAN...	59	2	2760	491	327	RAPID CITY...	172	9	3846	972	917		
PUEBLO...	124	56	4801	92	148	148	MO. COLUMBIA...	49	1	5307	762	252	SIoux FALLS...	172	9	7702	859	68		
CONN. BRIDGEPORT...	172	3	3865	264	151	151	KANSAS CITY...	49	1	5307	762	252	TENN. CHATTANOOGA...	61	33	3684	451	258		
HARTFORD...	168	20	5574	116	167	167	ST. LOUIS...	49	1	5307	762	252	KNOXVILLE...	61	33	3766	451	258		
DEL. WILMINGTON...	128	19	4877	541	87	87	SPRINGFIELD...	49	1	4922	809	97	MEMPHIS...	61	33	3766	451	258		
D.C. WASHINGTON...	89	34	3946	148	241	241	MONT. BILLINGS...	150	6	6983	935	1410	NASHVILLE...	61	33	3766	451	258		
FLA. APALACHICOLA...	25	16	1794	480	156	156	GLASSBORO...	150	6	6983	935	1410	TEXAS. ABILENE...	50	19	2884	429	184		
DAYTONA BEACH...	25	16	1559	441	103	103	GREAT FALLS...	150	6	6983	935	1410	AMARILLO...	50	19	2884	429	184		
FORT MYERS...	25	16	1441	441	103	103	HAVERLY...	150	6	6983	935	1410	AUSTIN...	50	19	2884	429	184		
JACKSONVILLE...	25	16	1596	441	103	103	HELIX...	150	6	6983	935	1410	BEAUMONT...	50	19	2884	429	184		
KEY WEST...	25	16	1460	441	103	103	KALISPELL...	150	6	6983	935	1410	BIRMINGHAM...	50	19	2884	429	184		
LAKELAND...	25	16	1460	441	103	103	MILES CITY...	150	6	6983	935	1410	BROWN SV...	50	19	2884	429	184		
MIAMI...	25	16	1460	441	103	103	MISSOULA...	150	6	6983	935	1410	CHATTANOOGA...	50	19	2884	429	184		
ORLANDO...	25	16	1460	441	103	103	NEBR. GRAND ISLAND...	59	31	6280	609	609	DEL. RIO...	50	19	2884	429	184		
TALLAHASSEE...	25	16	1460	441	103	103	LINCOLN...	59	31	6418	921	457	EL PASO...	50	19	2884	429	184		
TAMPA...	25	16	1460	441	103	103	NORFOLK...	59	31	6821	711	618	FORT WORTH...	50	19	2884	429	184		
NORTH PALM BEACH...	25	16	1460	441	103	103	NORTH PLATTE...	59	31	6628	853	530	GALVESTON...	50	19	2884	429	184		
NE. ATLANTA...	25	16	1460	441	103	103	OMAHA...	59	31	6085	704	311	HOUSTON...	50	19	2884	429	184		
AUGUSTA...	25	16	1460	441	103	103	VALENTINE...	59	31	7135	898	560	LUBBOCK...	50	19	2884	429	184		
MADISON...	25	16	1460	441	103	103	NEV. ELY...	149	67	5385	862	873	HIDLAND...	50	19	2884	429	184		
SAVANNAH...	25	16	1460	441	103	103	LAS VEGAS...	149	67	5164	772	366	SAN ANGELO...	50	19	2884	429	184		
IDAHO. BOISE...	1208	4	4220	79	107	107	RENO...	112	73	4343	1057	653	SAN ANTONIO...	50	19	2884	429	184		
LEWISTON...	1208	4	4337	85	948	948	WINNEMUCCA...	112	73	4343	1057	653	VICTORIA...	50	19	2884	429	184		
POCATELLO...	1208	4	5010	85	948	948	N. H. CONCORD...	210	0	6894	669	284	WACO...	50	19	2884	429	184		
ILL. CAIRO...	114	1	4638	1033	381	381	N. J. ATLANTIC CITY...	137	15	4678	369	497	WICHITA FALLS...	70	72	3917	1159	1024		
CHICAGO...	193	1	6383	105	105	105	TRENTON...	137	19	4922	620	53	UTAH. SALT LAKE CITY...	94	72	3917	1159	1024		
HOLINE...	179	1	6383	105	105	105	N. MEX. ALBUQUERQUE...	77	49	3489	386	251	VT. BURLINGTON...	229	0	7063	390	71		
PEORIA...	180	1	6383	105	105	105	ROSHELL...	40	57	2709	727	251	VA. LYNCHBURG...	91	29	4291	477	250		
ROCKFORD...	179	1	6383	105	105	105	N. Y. ALBANY...	15	14	6135	205	270	NORFOLK...	87	29	3968	387	162		
SPRINGFIELD...	179	1	5966	1014	49	49	BINGHAMTON...	15	14	6600	464	309	RICHMOND...	87	29	3968	387	162		
IND. EVANSVILLE...	120	10	5049	866	60	60	BUFFALO...	15	14	6600	464	309	ROANOKE...	95	27	4446	600	160		
FORT WAYNE...	120	10	4623	670	305	305	NEW YORK...	15	14	6600	464	309	WASH. QUILLAYUTE...	111	50	4347	188	161		
INDIANAPOLIS...	120	10	5911	670	305	305	ROCHESTER...	15	14	6600	464	309	SEATTLE-TACOMA...	109	54	3549	569	217		
SOUTH BEND...	120	10	2171	615	49	49	SYRACUSE...	15	14	6600	464	309	SPOKANE...	109	54	5704	29	178		
IOWA. BURLINGTON...	172	15	6313	879	355	355	N. C. ASHEVILLE...	87	37	4201	438	390	HALLA HALLA...	83	44	4167	10	169		
DES MOINES...	172	15	6224	941	81	81	CHARLOTTE...	87	37	4337	575	55	VARINA...	90	63	4836	273	185		
DUBUQUE...	172	15	6224	941	81	81	HATTERAS...	87	37	4337	575	55	W. VA. BECKLEY...	109	48	5378	533	434		
SIoux CITY...	172	15	6224	941	81	81	RALEIGH...	87	37	4337	575	55	CHARLESTON...	85	42	4806	705	409		
KANS. CONCORDIA...	138	27	5702	735	607	607	HILLINGTON...	87	37	4337	575	55	HUNTINGTON...	91	38	4744	619	219		
DODGE CITY...	138	27	4910	440	405	405	N. DAK. BISMARCK...	87	37	4337	575	55	PARKERSBURG...	110	27	5023	740	321		
GOODLAND...	138	27	4910	440	405	405	HILLISTON...	87	37	4337	575	55	WIS. GREEN BAY...	236	3	7430	546	368		
TOPERA...	138	27	4910	440	405	405	OHIO. AKRON-CANTON...	87	37	4337	575	55	LACROSSE...	17	72	7272	781	66		
WICHITA...	138	27	4910	440	405	405	CINCINNATI...	87	37	4337	575	55	MADISON...	215	3	6353	635	169		
KY. LEXINGTON...	112	22	4998	769	143	143	CLEVELAND...	87	37	4337	575	55	MILWAUKEE...	18	3	6625	368	283		
LOUISVILLE...	116	16	4828	660	51	51	COLUMBUS...	87	37	4337	575	55	WYO. CASPER...	164	62	6315	113	215		
LA. BATON ROUGE...	21	12	1967	351	1	1	DAYTON...	87	37	4337	575	55	CHEYENNE...	162	64	6001	113	111		
LAKE CHARLES...	21	12	1967	351	1	1	TOLEDO...	87	37	4337	575	55	LANDER...	146	77	7444	174	37		
NEW ORLEANS...	21	12	1967	351	1	1		87	37	4337	575									

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