

WEEKLY WEATHER AND CROP BULLETIN

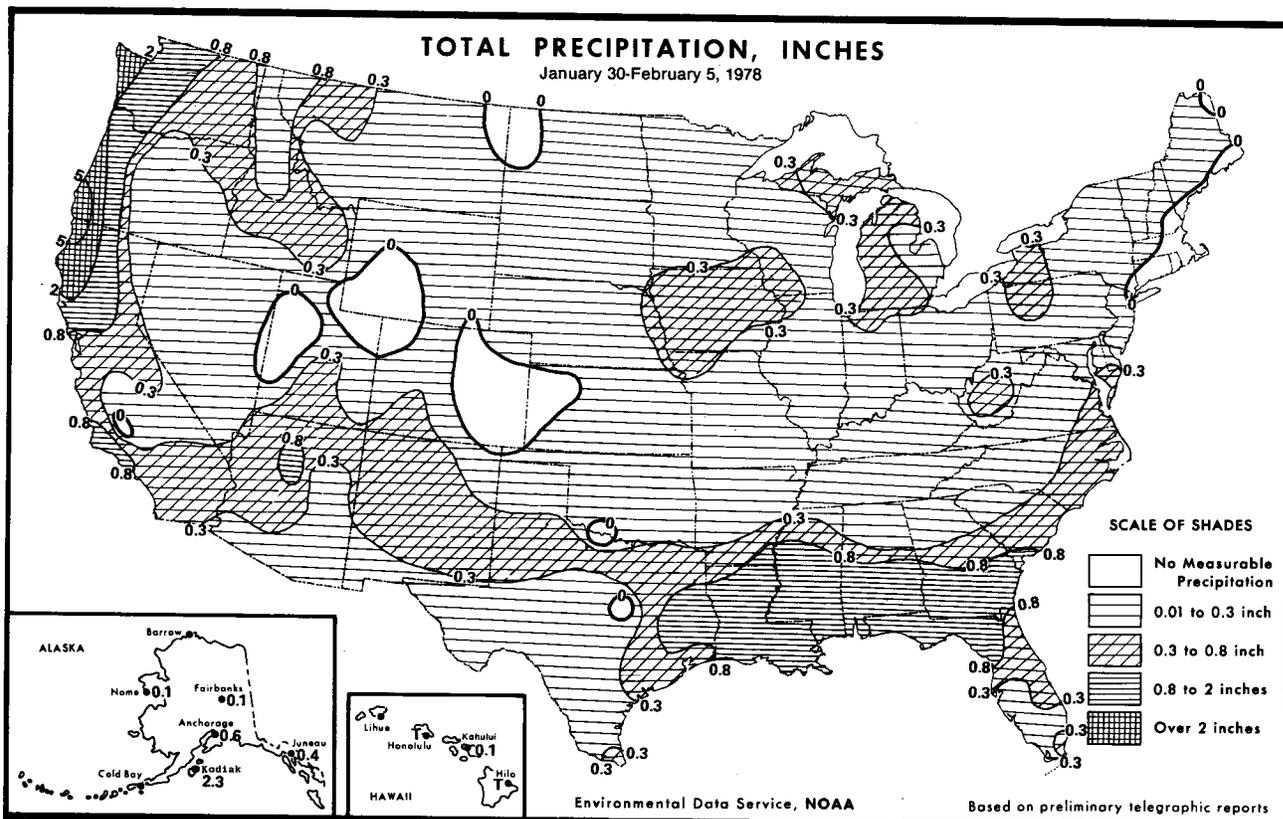
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Environmental Data Service, NOAA

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National Weather Summary

January 30 - February 5

HIGHLIGHTS: Precipitation was generally light over the country except the central Gulf Coast and the upper half of the West Coast. From one to two inches of moisture covered eastern Texas, most of Louisiana, the Florida Panhandle, and the southern halves of Mississippi, Alabama, and Georgia. More than 2 inches of rain drenched the Pacific Northwest and the northern California coast. Five inches fell in an area around the western Oregon/California border.

Temperatures were very cold over most of the country east of the Rockies. The mercury dipped 10 to 15° below normal at many stations from the Midwest to the Atlantic Coast. By contrast, readings were warmer than expected in the West; temperatures leaped more than 10 degrees above normal in the central Intermountain Region.

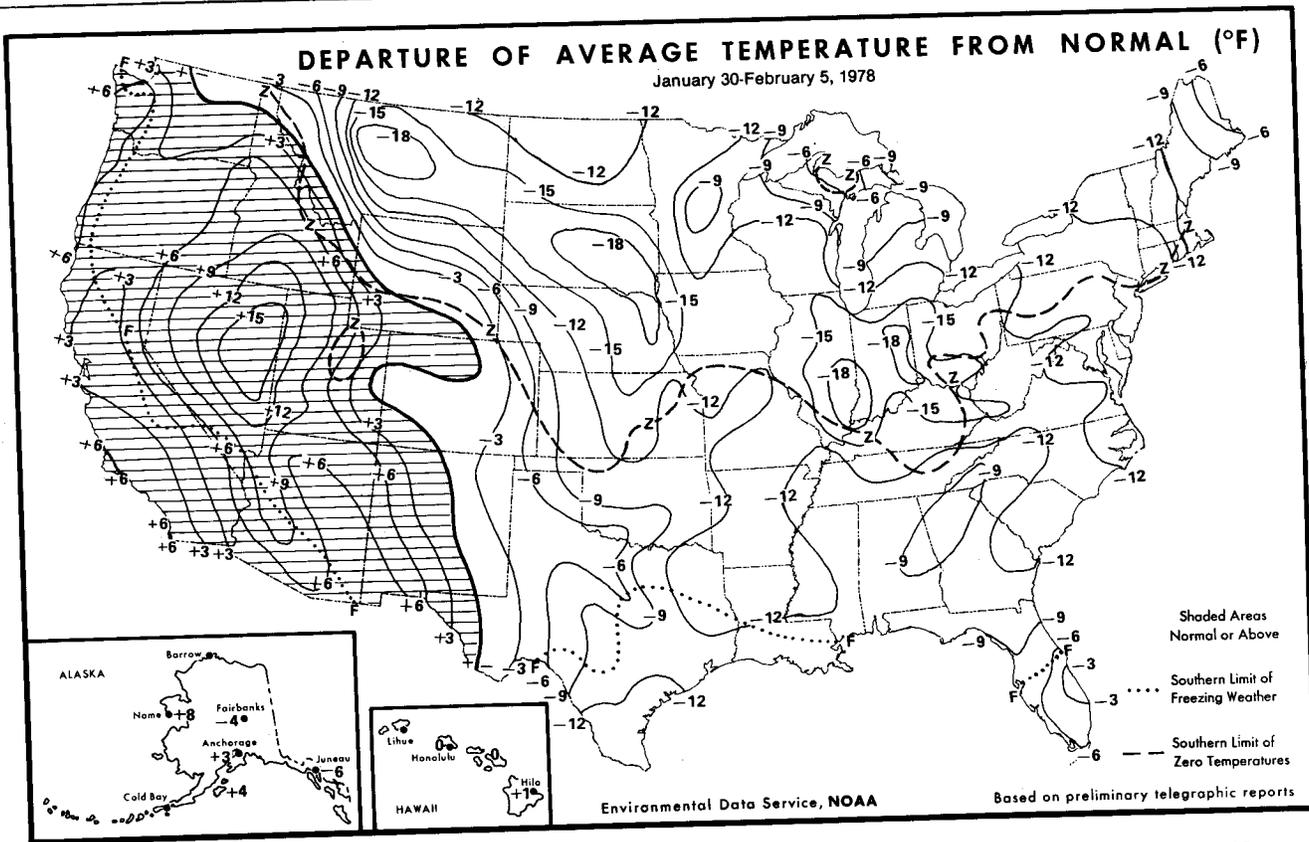
Precipitation covered many sections of the Nation on Monday but was light. The heaviest

amounts included about a half-inch of rain at New Orleans and about 2 inches of snow at Syracuse, N.Y. A frontal system in the Gulf of Mexico spread rain, freezing rain, and snow over a large portion of the southeastern quadrant.

For the second consecutive day, Key West, Fla., set a record for the lowest maximum temperature, 56°. Huron, S. Dak., marked the 44th straight day without reaching 32°, a record-setting 1,058 hours. Rochester, N.Y., just missed a January record snowfall by one-tenth inch notching 60.1 inches.

Varied precipitation covered the country's southern tier, from Arizona to Florida on Tuesday. Up to 6 inches of snow blanketed parts of New Mexico while 4 inches whitened Lubbock, Texas. One-half inch of rain dampened Boothville in extreme southeastern Louisiana. Light snow touched the Ohio Valley and New York State.

Huron, S. Dak., made news again with a new record low temperature, -27°, for the day.



Slow-moving frontal systems over the central Plains and Gulf of Mexico combined to bring a variety of moisture to the Nation's eastern half on Wednesday. Rain fell along the Gulf Coast from Texas to northern Florida; in east central Mississippi, Meridian measured 1.31 in. Snow covered the upper two-thirds of the Plains; points in eastern South Dakota noted 4 inches. A half-foot of snow buried sections of New York State.

Meantime a cold front edged into the West Coast spreading rain from Washington to northern California and snow inland; Spokane, Wash., reported 2 inches of snow.

On Thursday, snow fell from the middle Mississippi Valley through the Great Lakes and Ohio Valley. Snow also came down from the middle Atlantic Coast States to Pennsylvania. It became heavy in northeastern North Carolina and eastern Virginia. Elizabeth City, N.C., counted 5 inches while Virginia was hardest hit; Hampton gathered 8 inches and Norfolk, 6 inches. At the same time a foot of snow was piling up in northwestern Michigan. Rain increased intensity on the West Coast where Brookings, Oreg., and Crescent City, Calif., noted more than 3 inches.

Cold temperatures gripped the eastern half of the U.S. Readings dipped to the low 40's in extreme southern Texas and plummeted far below zero in the upper Mississippi Valley.

Most of Friday's precipitation consisted of rain on the upper West and Gulf Coasts and some light snow in the Midwest. Brookings, Oreg., picked up another two and three-quarters inches of

rain. Milwaukee added 2 inches of snow while Chicago and Buffalo marked an inch.

A record -7° was set in Fort Wayne, Ind. In Michigan, record-tying readings were noted in Grand Rapids, -10° , and Houghton Lake, -20° .

Temperatures made the news on Saturday as precipitation was relatively light throughout most of the Nation. The heaviest accumulation was 4 inches of snow in northeastern Missouri.

Record cold maintained an icy hold over a large portion of the U.S. east of the Mississippi River. Old Forge, in north central New York, tallied -42° . Record setters for the day: Michigan's Alpena, -24° ; Traverse City, -16° , and Muskegon's -9° ; Erie, Pa., saw -12° , breaking a 92-year old record; Albany, N.Y., -13° ; and Elkins, W.Va., equalled 1905's -12° .

Snow spread from the Great Lakes across the Ohio Valley to the Appalachians early Sunday; some sections measured 4 inches. It also snowed from the northern Intermountain Region to the northern Plains where temperatures were very cold. At day's end, another storm center brewed off the Atlantic Coast threatening an area from Virginia to New England. Rain fell from the lower West Coast inland to Arizona; Long Beach and Los Angeles both got more than an inch and Kingman, Ariz., was dampened by over a half inch. A tornado touched down just north of Sacramento. Rain in Florida yielded more than a half inch on some points.

Binghamton, N.Y., shivered through a record low reading of -3° .

National Agricultural Summary

January 30 - February 5

HIGHLIGHTS: Frigid temperatures gripped most of the Nation sending readings as much as 18° subnormal in the Great Plains, 14° below normal in the South, and off 19° in the Midwest. This cold weather slowed winter wheat growth, but snow protected the crop from the lowest temperatures. Very little precipitation fell giving farmers in the Midwest and Northeast a chance to dig out of isolated farmsteads and resume milk pickup and hauling. Farmers performed very little fieldwork; cold soils reduced seed germination of southern vegetable crops. Pastures in the South grew slowly and some were frost-damaged; others lacked adequate moisture. In the western rangelands, there were milder temperatures and improved soil moisture.

SMALL GRAINS: Winter wheat rated fair to good in most of the Nation. Snow covered the Great Plains wheat from Nebraska northward protecting the crop from the severest winter conditions. Snow also blanketed the Midwest and Northeast. Low temperatures slowed growth in the South while dry soils persisted in the southern Great Plains.

In Kansas strong winds and low temperatures slightly damaged some wheat. Western wheat soils were dry. Oklahoma topsoil moisture rated short in the west but adequate elsewhere. Wheat was in fair condition with only negligible growth observed, but the crop appeared to be set to make good growth with favorable weather. Low temperatures in Texas limited wheat growth. Plains stands received some moisture from snow and light rain, however, drought-stressed dryland fields need more moisture. Irrigated stands in the northern High Plains rated fair to good. Fields in the Blacklands, east, and south central areas had enough moisture for good growth when temperatures moderated.

New Mexico producers were planting durum wheat. Irrigated winter wheat rated fair to good; dryland fields were poor to fair. Arizona growers prepared land and planted wheat; earlier seedings grew well. Northern Great Plains stands had adequate snow cover and rated good.

Low temperatures limited winter wheat growth in the Southeast. Mississippi's crop rated poor, Florida fair, Georgia good, North Carolina fair to good, and Virginia good to excellent. Some Virginia producers topdressed frozen fields ahead of the anticipated spring thaw. In the Pacific Northwest, Washington growers fertilized grains; Oregon's crop was in good condition. California wheat grew under warm, wet conditions which yellowed some stands.

OTHER CROPS: Very little fieldwork occurred with row crops. A few fields of feed grains protected by snow stubbornly resisted harvest. Cotton growers shredded and disked stalks.

Florida sugarcane harvest was active; both mature and young cane were in only fair condition.

Rainy weather and wet fields held back the Texas sugarcane harvest.

South Carolina tobacco growers prepared plant beds.

FRUITS AND NUTS: Deciduous orchard growers pruned some trees, but low temperatures limited activity except in the Pacific Northwest and the South. Texas growers planted peach and pecan trees. California orchards and vineyards showed signs of spring; avocado groves bloomed. Grape vines bled from recent prunings because of the mild weather.

Florida citrus trees rated good to excellent. Zipper-skinned fruit was hardest hit by the freezing temperatures which struck again; harvest was very active. The Texas citrus harvest was at a standstill. The Arizona citrus harvest advanced on a limited basis because of wet conditions. California desert grapefruit harvest slowed; coastal groves were harvested quickly to prevent brown rot losses to wet weather. Producers sprayed lemons to inhibit brown rot. Navel orange picking was active in response to strong demand.

VEGETABLES: Florida vegetable crops rated mostly fair to good; however, low temperatures slowed plant growth and fruit maturity and limited fruit set. Shipments declined 4% from the previous week. Volume increased for celery, chinese cabbage, cucumbers, lettuce, okra, peppers, potatoes, and radishes; other crops held steady or declined. The watermelon crop rated fair to good with oldest vines running. In Texas cool, wet soils reduced germination of melon seedlings; growers replanted the acreage. Wet conditions also slowed harvests in the south and east. Texas growers harvested broccoli, cabbage, carrots, cauliflower, spinach, and beets. Arizona producers harvested lettuce, broccoli, carrots, and cauliflower from muddy fields; spring lettuce planting was running late. California growers cut desert asparagus and a few strawberries from the south coast and lettuce from the Imperial Valley. Plantings included corn and peppers.

PASTURES AND LIVESTOCK: Only southern pastures provided any roughage and low temperatures limited the usefulness of these grasslands. Florida pastures rated poor to fair; freezes burned permanent pastures and slowed growth of small grain pastures. Excessive rainfall and overgrazing caused problems in some areas. Texas cattle lost weight because of the cold, damp weather. Low temperatures limited pasture growth, but ranchers fed heavily to overcome the deficit. Water shortages developed in the Low Plains and Edwards Plateau. Arizona ranges improved and stock water supplies were good. New Mexico ranges rated fair. Along the west coast rains improved rangelands. Oregon cattle grazed ryegrass.

Feb. 5, 1978

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

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 . . .	34	-11	.1	-1.1	LA. Baton Rouge . . .	41	-11	1.7	+ .6	Youngstown . . .	12	-13	.2	- .4
Mobile . . .	41	-11	1.5	+ .4	Lake Charles . . .	42	-11	1.0	0	OKLA. Okla. City . . .	29	-10	.1	- .2
Montgomery . . .	40	-9	1.1	+ .2	New Orleans . . .	43	-11	1.8	+ .7	Tulsa . . .	28	-11	.1	- .3
ALASKA. Anchorage . . .	18	+ 3	.6	+ .4	Shreveport . . .	34	-14	.7	- .2	OREG. Astoria . . .	49	+ 7	1.8	- .3
Barrow . . .	11	- 4	---	---	MAINE. Caribou . . .	7	- 4	T	- .5	Burns . . .	33	+ 5	.1	- .3
Fairbanks . . .	20	- 6	.4	- .5	Portland . . .	10	-11	0	- .8	Medford . . .	44	+ 5	1.5	+ .8
Juneau . . .	35	+ 4	2.3	+ 1.1	MD. Baltimore . . .	23	-10	.1	- .5	Pendleton . . .	40	+ 5	.5	+ .2
Kodiak . . .	14	+ 8	.1	- .1	MASS. Boston . . .	19	-10	0	- .8	Portland . . .	46	+ 5	1.6	+ .4
None . . .	33	+ 4	1.0	+ .6	Chatham . . .	21	---	0	---	Salem . . .	47	+ 6	1.9	+ .5
ARIZ. Flagstaff . . .	63	+10	.4	+ .3	MICH. Alpena . . .	9	- 8	.4	0	PA. Allentown . . .	19	- 9	.1	- .5
Phoenix . . .	59	+ 7	.2	+ .1	Detroit . . .	13	-12	.3	- .1	Erie . . .	11	-13	.2	- .3
Tucson . . .	37	+ 1	T	- .1	Flint . . .	10	-12	.2	- .2	Harrisburg . . .	10	-12	.1	- .5
Winslow . . .	60	+ 3	.3	+ .2	Grand Rapids . . .	12	-11	.4	0	Philadelphia . . .	17	-11	.1	- .5
Yuma . . .	31	-10	T	- .7	Houghton Lake . . .	8	- 9	.3	0	Pittsburgh . . .	15	-11	T	- .5
ARK. Fort Smith . . .	29	-12	T	- 1.1	Lansing . . .	13	- 5	.4	0	Scranton . . .	16	-12	0	- .8
Little Rock . . .	55	+ 5	T	- .3	Marquette . . .	14	- 9	.5	0	R.I. Providence . . .	37	-12	.6	- .1
CALIF. Bakersfield . . .	54	+ 6	2.3	- .8	Muskegon . . .	4	-10	.3	- .1	S.C. Charleston . . .	32	-14	T	- .5
Eureka . . .	51	+ 3	.9	+ .5	S. Ste. Marie . . .	2	-11	.1	- .1	Columbia . . .	33	-10	T	- 1.0
Fresno . . .	61	+ 4	1.8	+ .0	MINN. Duluth . . .	-11	-14	.1	- .1	Greenville . . .	4	-15	.1	0
Los Angeles . . .	50	+ 2	1.6	+ .7	Internatl Falls . . .	3	-10	.1	0	Huron . . .	5	-19	.1	0
Red Bluff . . .	62	+ 6	.6	+ .2	Minneapolis . . .	1	-13	.2	+ .1	Rapid City . . .	9	-15	.1	0
San Diego . . .	52	+ 2	.5	- .4	Rochester . . .	2	- 8	T	- .2	Sioux Falls . . .	2	-18	.2	0
San Francisco . . .	49	+ 2	.3	- .3	St. Cloud . . .	35	-13	1.5	+ .4	TENN. Chattanooga . . .	31	-10	T	- 1.3
Stockton . . .	32	+ 1	T	- .1	MISS. Jackson . . .	38	-10	1.4	+ .3	Knoxville . . .	31	-10	.2	- .9
COLO. Denver . . .	27	- 3	.1	- .1	Meridian . . .	20	-11	T	- .4	Memphis . . .	32	-10	T	- 1.2
Grand Junction . . .	30	- 2	T	- .1	MO. Columbia . . .	17	-13	.1	- .2	Nashville . . .	26	-13	.2	- .9
Pueblo . . .	19	-11	T	- .6	Kansas City . . .	19	-14	.1	- .4	TEX. Abilene . . .	38	- 8	.2	0
CONN. Bridgeport . . .	16	- 9	T	- .8	St. Louis . . .	22	-13	T	- .5	Amarillo . . .	34	- 4	.1	0
Hartford . . .	27	- 9	.1	- .5	Springfield . . .	10	-15	.2	+ .1	Austin . . .	40	-11	.1	- .6
D.C. Washington . . .	45	- 9	.8	0	MONT. Billings . . .	3	-14	.1	0	Beaumont . . .	43	-10	.3	- .8
FLA. Apalachicola . . .	51	- 8	.7	+ .1	Glasgow . . .	4	-20	.3	+ .1	Brownsville . . .	47	-15	.4	0
Daytona Beach . . .	58	- 6	T	- .4	Great Falls . . .	1	-15	.1	0	Corpus Christi . . .	46	-12	.1	- .4
Ft. Myers . . .	44	-11	.5	- .3	Havre . . .	14	- 8	.2	+ .1	Dallas . . .	47	- 6	T	- .2
Jacksonville . . .	62	- 9	.2	- .3	Helena . . .	20	- 2	.6	+ .3	Del Rio . . .	52	+ 6	.1	0
Key West . . .	54	- 7	.3	- .3	Kalispell . . .	2	-16	.1	0	El Paso . . .	35	-11	.3	- .2
Lakeland . . .	62	- 5	.6	+ .1	Miles City . . .	24	0	1	- .1	Fort Worth . . .	44	-11	.6	- .1
Miami . . .	55	- 6	.5	- .2	Missoula . . .	10	-15	.1	0	Galveston . . .	42	-11	.6	- .3
Orlando . . .	43	-10	1.1	+ .1	NEBR. Grand Island . . .	7	-18	.2	0	Houston . . .	37	- 4	.3	+ .2
Tallahassee . . .	53	- 8	.3	- .3	Lincoln . . .	5	-16	.2	+ .1	Lubbock . . .	42	- 3	.1	- .1
Tampa . . .	62	- 3	.2	- .4	Norfolk . . .	14	-12	.2	+ .1	Midland . . .	40	- 8	.1	- .1
W. Palm Beach . . .	35	- 8	.1	- .9	N. Platte . . .	7	-15	.3	+ .1	San Angelo . . .	41	-11	T	- .5
GA. Atlanta . . .	35	-12	.3	- .5	Omaha . . .	7	-15	.2	+ .1	San Antonio . . .	43	-12	.4	- .1
Augusta . . .	39	-10	.5	- .4	Valentine . . .	44	+18	T	- .1	Victoria . . .	43	- 6	T	- .6
Macon . . .	39	-12	1.0	+ .4	NEV. Ely . . .	53	+ 6	.1	0	Waco . . .	39	- 4	T	- .3
Savannah . . .	72	+ 1	T	- 2.6	Las Vegas . . .	42	+ 7	.1	- .1	Wichita Falls . . .	33	+ 3	.2	- .1
HAWAII. Hilo . . .	72	0	T	- .8	Reno . . .	42	+11	.1	- .1	UTAH. Blanding . . .	42	+11	T	- .3
Honolulu . . .	71	0	.1	- .6	Winnemucca . . .	8	-13	T	- .6	Salt Lake City . . .	2	-14	T	- .4
Kahului . . .	---	---	---	---	N.H. Concord . . .	21	-12	.1	- .7	VT. Burlington . . .	24	-13	.2	- .4
Lihue . . .	40	+ 8	.4	+ .1	N.J. Atlantic City . . .	22	-10	.2	+ .4	VA. Lynchburg . . .	29	-11	.6	- .2
IDAHO. Boise . . .	41	+ 6	.3	+ .1	Trenton . . .	40	+ 2	.4	+ .3	Norfolk . . .	23	-15	.2	- .5
Lewiston . . .	35	+ 9	.3	+ .1	N.MEX. Albuquerque . . .	39	- 1	.5	+ .4	Richmond . . .	24	-13	.1	- .6
Pocatello . . .	25	-12	.1	- .8	Roswell . . .	11	-10	T	- .5	Roanoke . . .	25	- 2	.4	0
ILL. Cairo . . .	10	-15	.2	- .2	N.Y. Albany . . .	11	-11	.2	- .4	WASH. Colville . . .	25	- 1	.4	+ .1
Chicago . . .	9	-14	.2	- .2	Binghamton . . .	13	-10	.5	- .2	Omak . . .	45	+ 5	2.6	- .6
Moline . . .	12	-13	.2	- .2	Buffalo . . .	21	-11	T	- .7	Quillayute . . .	47	+ 7	1.8	+ .6
Peoria . . .	6	-15	.3	- .1	New York . . .	14	- 9	.3	- .3	Seattle-Tacoma . . .	30	+ 1	.8	+ .3
Rockford . . .	13	-15	.1	- .3	Rochester . . .	12	-11	.1	- .6	Spokane . . .	40	+ 3	.5	+ .1
Springfield . . .	15	-19	T	- .8	Syracuse . . .	29	- 9	.3	- .5	Walla Walla . . .	35	+ 3	.4	+ .1
IND. Evansville . . .	8	-18	.1	- .4	N.C. Asheville . . .	33	-10	.1	- .8	Yakima . . .	17	-15	.2	- .6
Ft. Wayne . . .	12	-17	.1	- .5	Charlotte . . .	27	-12	.2	- .6	W.Va. Beckley . . .	21	-14	.4	- .4
Indianapolis . . .	11	-13	.4	- .1	Greensboro . . .	34	-11	.7	- .3	Charleston . . .	22	-13	.3	- .4
South Bend . . .	11	-13	.2	- .1	Hatteras . . .	27	-14	.3	- .5	Huntington . . .	18	-15	.1	- .6
IOWA. Burlington . . .	8	-13	.3	+ .1	Raleigh . . .	34	-13	.4	- .4	Parkersburg . . .	4	-12	.2	0
Des Moines . . .	6	-13	.5	+ .2	Wilmington . . .	- 2	-12	.1	0	WIS. Green Bay . . .	3	-14	.4	+ .2
Dubuque . . .	2	-18	.3	+ .1	N.DAK. Bismarck . . .	- 7	-14	.1	0	La Crosse . . .	5	-13	.2	0
Sioux City . . .	14	-15	.1	- .1	Fargo . . .	- 2	-12	T	- .1	Madison . . .	11	- 9	.2	- .1
KANS. Concordia . . .	23	-10	.1	0	Williston . . .	12	-14	.1	- .5	Milwaukee . . .	24	- 1	T	- .1
Dodge City . . .	24	- 6	T	- .1	OHIO. Akron-Canton . . .	14	-18	.1	- .7	WYO. Casper . . .	28	0	T	- .1
Goodland . . .	19	-11	.1	- .1	Cincinnati . . .	12	-15	.1	- .5	Cheyenne . . .	20	- 2	0	- .1
Topeka . . .	21	-13	.1	- .7	Cleveland . . .	14	-15	.1	- .5	Lander . . .	12	-11	.1	- .1
Wichita . . .	17	-16	.1	- .1	Columbus . . .	14	-15	.1	- .5	Sheridan . . .	79	+ 4	.7	- .1
WY. Lexington . . .	20	-14	.1	- .7	Dayton . . .	10	-15	.3	- .1	P.R. San Juan . . .	---	---	---	---
Louisville . . .	---	---	---	---	Toledo . . .	---	---	---	---	---	---	---	---	---

Based on 1941-70 normals.

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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 ESCS State offices in cooperation with the National Weather Service.

ALABAMA: Continued cold with some rain. Temperatures 11° below normal. Rainfall on 1st and 2d, light in north, moderate in south.

Fieldwork: Minimal. Outdoor activities limited to care and feeding of livestock and poultry. Small grains made little growth. Considerable hay being fed.

ARIZONA: Northeast near normal temperatures; elsewhere 3° or more above normal. Precipitation over most of State; heaviest amounts at highest elevations.

Fieldwork interrupted by rain. Cotton fields rain damaged. Some land preparation, planting small grains accomplished. Established plantings excellent growth, well advanced. Sugarbeets continuing good top, taproot growth. Wet fields causing weed problems. Alfalfa hay seasonally slow. Harvest lettuce, broccoli, carrots, cauliflower, citrus continued limited basis. Muddy fields hampered fruit, vegetable harvest. Planting spring lettuce behind schedule. Some lemons, grapefruit may not be picked; economics. Range conditions improved. Stock water supplies, cattle, calves good.

ARKANSAS: Considerable cloudiness and cool air from northeast through middle of week resulted in mean temperatures of 10 to 15° below normal. All sections dry with precipitation occurring primarily as snow and freezing drizzle.

No fieldwork in row crop area. Still some snow on ground. Main activity livestock feeding, machinery maintenance. No feed shortages.

CALIFORNIA: Small amounts rainfall reported in north and over mountain areas. Moisture moving inland from south Pacific brought some rainfall to south coastal and desert areas. Temperatures near or slightly below normal in Sacramento and San Joaquin Valleys and from 1 to 8° above normal elsewhere.

Warm temperatures, wet soils, beneficial. Some yellowing hay and small grains reported. Desert alfalfa sprayed to control blue aphid. Ground preparation, planting continued, soil conditions permitting. Final cotton harvest delayed by rains. Orchards and vineyards showing signs of spring. Avocado groves in bloom, vineyard pruning bleeding due to the warm weather. Desert valley grapefruit harvesting slow, coastal groves harvested to prevent brown rot loss from wet weather. Lemons sprayed to inhibit brown rot. Navel orange harvesting strong due to demand. Almond orchard bloom very early. Pruning and replanting major orchard activities. Field preparation and planting increased as fields dry. Asparagus cutting increasing desert. Planting spring corn, peppers. Lettuce harvest active Imperial Valley. Light strawberry movement south coast, range, pasture improving. Supplemental feeding reduced levels. Calving and lambing active.

COLORADO: Drier weather; only scattered snow. Precipitation 0.05 in. or less in eastern plains; 0.15 to 0.25 in. in mountains, San Luis Valley and west slope. Fog and low clouds common over lower elevations. Temperatures below normal east, mountains 2 to 6° above normal; near normal western valleys.

FLORIDA: Moderating temperatures through week with cooler readings over weekend. Some rain over central, north on 3d, and in southeast, 4th and 5th. Rainfall averaged 0.25 to 0.50 in. Temperatures several degrees below normal.

Soil moisture adequate south, central, excessive most of north, west. Sugarcan harvest active. Both mature and young cane only fair condition. Land preparation behind schedule. Small grains fair condition, little growth. Pasture condition mostly very poor to poor, north; southern pastures poor to fair. Cold temperatures burned permanent pastures, slowed growth small grain pastures. Excessive rainfall, overgrazing problems some areas. Supplemental feeding heavy. Cattle condition varies from poor to good. Citrus tree condition mostly very good to excellent. Freezing temperatures again; zipper-skinned fruit hardest hit by cold. Harvest very active. Vegetable crops mostly fair to good condition. Cold weather continues to slow plant growth, harvest. Shipments down 4% from previous week. Quality, yields mostly good. Fruit set light due to low temperatures. Volume increased for several crops including celery, chinese cabbage, cucumbers, lettuce, okra, peppers, potatoes, radishes. Carrots, eggplant, strawberries held steady. Snap beans, cabbage, sweet corn, escarole, squash, tomatoes declined in supply. Plantings most crops active; weather permitting. Watermelon crop fair to good; oldest vines running.

GEORGIA: Temperatures 10 to 15° below normal; averages ranged from 25° north to 43° southeast. Very light sleet and rain fell extreme southwest night of 3d. Light sleet and rain fell north the 1st with light snow extreme north and more significant rain southward. Totals ranged from less than 0.10 in. north to near 1.00 in. south.

Soil moisture continues excessive. Farm activities limited due to cold and wet conditions. Lime spreading active in southwest. Spring land preparation slowed due to wet fields. Some stalk cutting in last. Small grains good condition. Cattle fair condition. Pastures fair condition, very little recovery due to cold.

HAWAII: Weather favorable. Some cool evenings, days warm and sunny. Rainfall light most areas.

Heavy irrigation some sections. Irrigation ditches, reservoirs, Oahu some dry or water level decreasing. Pasture condition Kau Kona Hawaii continue poor. Vegetable supplies: Cabbages heavy other light and moderate. Banana supplies decreasing. Pineapple harvesting light. Sugar more mills grinding. Papaya harvesting light.

IDAHO: Temperatures above normal except two Panhandle stations 1 to 3° below normal. Extremes: 58 and -5°. Precipitation below normal except locally in Panhandle and Lemhi Valley.

Tending livestock and marketing main farm activities. Cattle market strengthening. Calving and lambing increasing. Calf scours increasing due to cool, damp weather. Livestock generally good condition. Feed supplies adequate.

ILLINOIS: Temperatures 13 to 19° below normal. Precipitation 0.25 to 0.50 in. north, less south.

Winter wheat mostly good. Cold increased farrowing and lambing losses; feed consumption up. Soil moisture adequate to surplus.

INDIANA: Very cold. Farmers digging out from severe snowstorm. Heavy snow extreme north over weekend; elsewhere 1 or 2 in. Temperatures 13° below normal and ranged from -7 to 37°. Sunshine 60% of possible.

Fieldwork nil. Major activity: Snow removal, caring for livestock and chores. Livestock deaths from cold were light to moderate and milk pickup halted in some areas.

IOWA: Bitter cold. Temperatures 15° subnormal with moderate snowfalls. Snow cover increased to about 5 to 6 in. south to 10 to 15 in. northeast.

KANSAS: Light snows midweek produced 1 to 2 in. accumulations. Temperatures averaged 16° north central to 26° southwest or 5 to 7° below normal west, 10 to 14° below normal central and east.

Strong winds, cold temperatures caused some damage to wheat; wind damage generally light. West dry. Special attention given to livestock, heavy supplemental feeding. Some early calving. Farm activities centered around caring for livestock.

KENTUCKY: Temperatures 15° below normal. Precipitation about 0.25 in. Cold front 1st and 2d triggered snow accumulation of 2 to 4 in. Snow and cold placing heavy demands on hay and other feed supplies.

LOUISIANA: Temperatures 10 to 14° below normal. Extremes: 63 and 24°. Light rain through 2d. Farm activities: Care and feeding of livestock.

MARYLAND & DELAWARE: Temperatures 10° below normal. Highs in upper 20's, lows in teens. Western areas slightly colder. Precipitation amounted to less than 0.25 in. of rain. Weekend cold, with snow 5th.

Farmers limited to winter chores and maintenance work.

MICHIGAN: Temperatures ranged from 4 to 15° below normal. Maximums generally in teens and 20's; lows -15 to -33°. Precipitation generally light with most amounts 0.10 to 0.30 in. Most moisture fell as light snow on 2d and 4th. Snow depths over southern half of Lower ranged from 8 to 27 in. Amounts over northern half around 20 in.

Farm activities primarily feeding livestock and farm chores.

MINNESOTA: Temperatures 5 to 15° below normal north and 8 to 18° below normal south. Extremes: 21 and -34°. Precipitation normal to 0.15 in. below normal west and north; 0.05 to 0.20 in. above normal extreme southeast. New snowfall averaged 1 in. north, 2 to 5 in. over most of south. Snow depth 10 to 20 in. extreme northeast and 5 to 8 in. elsewhere except 10 to 15 in. extreme southeast.

MISSISSIPPI: Temperatures 17° below normal. Extremes: 9 to 63°.

Soil moisture excessive to surplus. Fieldwork: 0.1 days suitable. Winter wheat and oats in poor condition. Livestock in fair condition. Hay and roughage supplies adequate to short. Feed grain supplies short.

MISSOURI: Temperatures 10 to 15° below normal, with subzero readings some mornings. Light snow fell on several days, and ground remains snow covered.

Condition of winter wheat fair to good. Supply of hay and other roughages mostly adequate. Top-

soil moisture mostly adequate. Livestock losses due to unfavorable weather mostly normal. General condition of livestock fair to good.

MONTANA: Cold except west near normal and southwest well above normal. Temperatures averaged from 12° above to 17° below normal. Precipitation well above normal northwest but near normal elsewhere. Wide temperature fluctuations occurred central and south central as arctic air fluctuated back and forth over central.

Winter wheat condition good. Livestock losses average. Grazing difficult of closed. Calving and lambing started.

NEBRASKA: Precipitation ranged up to 0.25 in. Temperatures 15 to 20° below normal except Panhandle where average 5 to 10° below normal.

Winter wheat condition mostly good. Snow cover adequate. Livestock feed supplies good. Feedlot cattle gains slow due to cold. No widespread health problems.

NEVADA: Mostly dry and mild. Light precipitation late week. Temperatures 5 to 12° above normal. Extremes: 3 and 70°.

Caring for livestock major winter chore.

NEW ENGLAND: Temperatures 5 to 10° below normal 30th, 31st, and 1st; 10 to 15° below 2d; 15 to 25° below for rest of week. Precipitation very light occurring as scattered snow flurries in northern sections 30th, 31st, 1st. Total amounts only a few hundredths of in.

NEW JERSEY: Temperatures averaged 14° north, 20° south and 21° coastal areas. Precipitation well below normal averaging trace north, trace south, and 0.03 in. coastal sections.

Winter chores mostly limited to livestock tending as adverse weather sharply curtailed outside work.

NEW MEXICO: Rain and snow 30th and 31st. Totals light east central and northeast but ranging from 0.50 to 1.00 in. many central and western points. Last half of week dry and mostly sunny with mild temperatures.

Planting of spring lettuce, midseason onions, and durum wheat continued in Mesilla Valley. Irrigated winter wheat and barley in fair to good condition with grazing moderate. Dryland wheat, poor to fair, grazing limited. Ranges, fair with supplemental feeding light to moderate. Livestock good with calving and lambing continuing.

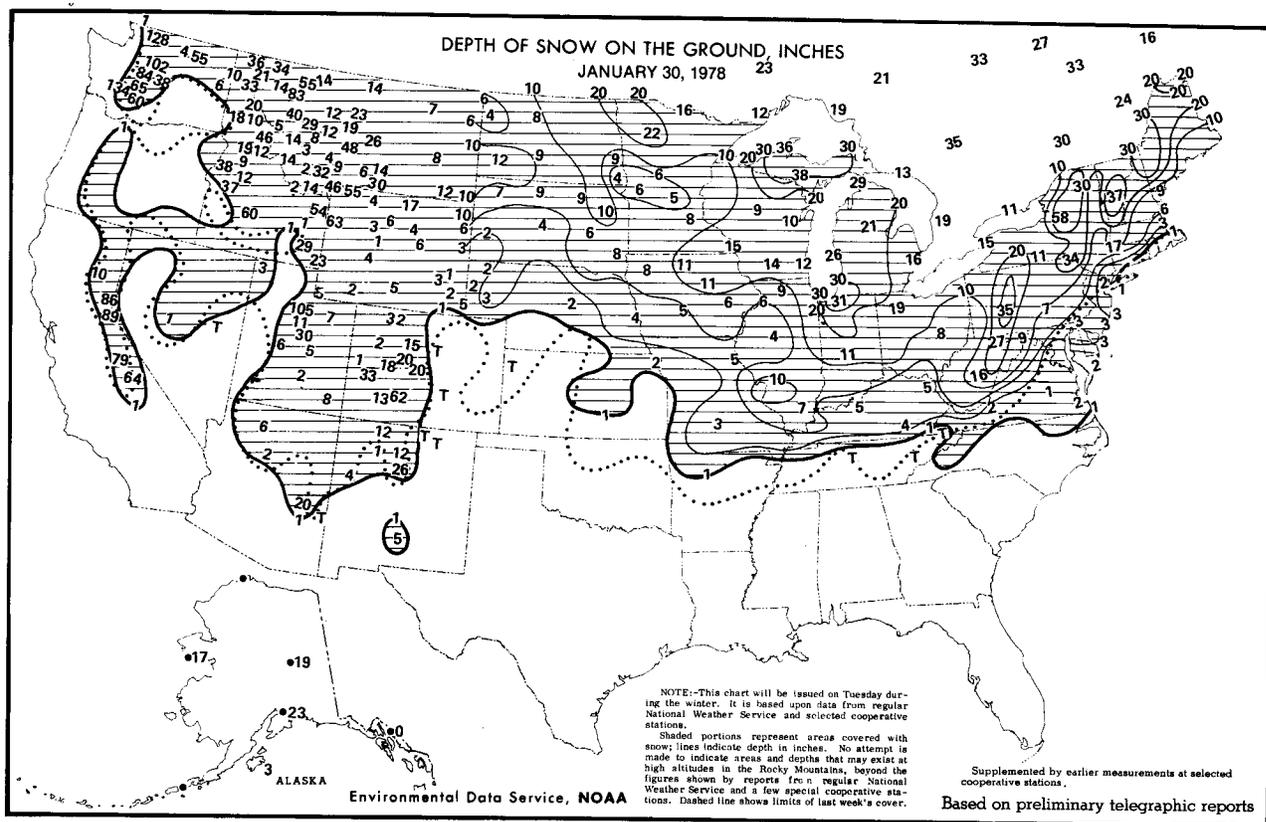
NEW YORK: Temperatures averaged 10° below normal. Temperatures down to -40° on 3d thru 5th. Precipitation negligible. Water content of snow cover is 2 to 4 times normal for this time of year.

NORTH CAROLINA: Temperatures 10 to 15° below normal. Precipitation less than 0.25 in. except almost 0.50 in. southeast.

Fieldwork: less than 1 day suitable. Soil moisture surplus. Condition small grains mostly fair to good; pasture poor to mostly fair. Hay, roughage and feed grain supplies short to mostly adequate.

NORTH DAKOTA: Very cold weather; average temperatures below zero, which ranged from 6 to 15° below normal. Extremes: 27 and -30°. Precipitation light except northwest where up to 4 in. of new snow fell; less than 0.10 in. moisture. Snow depths now run from 40 in. to about 4 in.

Extreme snow depths and cold weather continued to make routine farm chores difficult. Virtually



all livestock receiving supplemental feed. Snow made it difficult to reach hay supplies but are generally accessible. Some producers going to be short of roughage for remainder of winter.

OHIO: Below normal temperatures and precipitation with snow flurries each day.

Most roads closed earlier in week were opened to permit normal milk pickups and feed and fuel delivery by middle of week. Movement of potatoes and apples very slow. Pre-season preparation of maple sirup production began. Pruning orchards as weather permits. Few fields of corn still to be picked.

OKLAHOMA: Temperatures from 5 to 10° below normal Panhandle to 10 to 14° below normal elsewhere. High temperatures 30's and 40's with a few 50's. Precipitation fell in all sections ranging from 0.02 in. Panhandle to 0.16 in southeast.

Topsoil moisture supplies short in west, adequate elsewhere. Subsoil moisture adequate. Wheat fair condition; growth negligible during past month, but crop appears to be set to make good growth with favorable weather conditions. Native pastures and ranged fair condition. Cattle require supplemental feeding due to snow covered pastures but are in fair to good condition.

OREGON: Rain statewide ranging from 1.50 to 2.00 in. coast and western valleys. East reported 0.10 to 0.20 in. with some spots north receiving 0.50 in. Temperatures from near to 5° above normal. Highs ranged in the upper 50's and low 60's in west and 40's and lower 50's east of Cascades. Extremes: Low 60's, high 20's west; low 50's, low teens east.

Farm activities continue near standstill. Spraying continues as weather permits. Fall grain crops look good in most areas. Sheep grazing rye grass.

Livestock coming through winter in good shape. Hay plentiful in most areas; overall feed supplies adequate. Soil moisture improved. Mountain snow pack could be better.

PENNSYLVANIA: Partly sunny with scattered snow flurries until 5th when snow storm dumped 1 to 5 in. Precipitation mostly 0.20 in. or less. Temperatures below freezing almost entire week. Statewide averaged 8 to 20° below normal. Extremes: 33 and -20°.

Normal winter chores.

PUERTO RICO: Island rainfall 2.25 in. or 1.55 in. above normal. Temperatures averaged about 77° on coasts and 71° interior. Extremes: 91 and 54°.

SOUTH CAROLINA: Temperatures below normal. Mountains, northwest averaged 12° below normal, other zones averaged 13 to 15° below normal. Low inland temperatures fell to teens first few days, then climbed to 20's, low 30's. High temperatures mostly upper 30's and 40's. Rainfall below normal except south. Precipitation midweek ranged from traces to 0.20; 0.30 in. except 0.50 to 1.00 in. south. Some areas had little snow, sleet and freezing rain.

Cotton field activity mostly at standstill due to cold, wet weather. Activities: Pruned peach, apple trees, prepared tobacco beds, general farm maintenance.

SOUTH DAKOTA: Temperatures seasonably cold, 10 to 22° below normal. Average temperatures -6° east, 12° west. Extremes: -33 and 44°. Precipitation mostly less than 0.25 in.; greatest amount 0.41 in. East and northwest sections received most new snow, 2 to 5 in.

TENNESSEE: Light precipitation 1st and 2d amounting to 0.33 in. or less. Snow flurries 5th in mid and east. Temperatures 10° below normal with lows in teens and 20's and highs in 30's and 40's.

Farm activities consisted of mainly general chores and care of livestock.

TEXAS: High pressure prevailed causing cloudy skies, rain, drizzle, fog through midweek with freezing rain, snow over Panhandle, north. Temperatures averaged 5 to 7° below normal over western third, extreme east; 10 to 15° below normal remainder. Precipitation near normal Trans-Pecos, central sections; above normal Plains; below normal east.

Snow, light rain, drizzle limited fieldwork. Wheat growth limited by cold temperatures. Stands on Plains received some moisture from snow, light rain; more needed to relieve moisture stressed drylands fields. Irrigated stands northern High Plains fair to good conditions. Fields Blacklands, east, south central received additional moisture; growth should improve when weather warms. Oat stands making limited growth due cold temperatures. Some rain, drizzle received most areas by fields Cross-Timbers, Edwards Plateau need additional moisture. Flax growth slowed by cold weather. Fields south central, Coastal Bend received additional moisture but stands south need rain. Few cotton gins still operating in southern High Plains, northern Low Plains. Sugarcane harvest held back by rainy weather, wet fields.

Lower Rio Grande Valley, wet conditions slowed vegetable harvest. Replanting watermelon, cantaloupe acres required due cool, wet soil conditions. Onions making good progress. Broccoli, cabbage fields being cut. Citrus harvest near standstill. San Antonio-Winter Garden area, potato planting continues. Carrot harvest in full swing. Laredo, cabbage, carrot harvests continue. Eagle Pass, broccoli, cauliflower, spinach, beet harvests continue. East Texas, land preparation at standstill. Central Texas, land preparation limited. Peach, pecan trees being planted. Coastal Bend, watermelon planting slowed by weather.

Cold, damp weather caused livestock most areas to lose weight. Ranchers feeding heavily. Cold temperatures limiting growth of small grain, legume pastures; very little grazing most areas. Livestock condition generally fair but some losses of underfed cattle, newborn calves attributed to bad weather. Many stock tanks low in Low Plains, Edwards Plateau.

UTAH: Scattered areas snow in mountains and rain or rain changing to snow in valleys forepart period and again over weekend. Accumulated moisture generally light to moderate. Temperatures very variable ranging from 8° below normal to 12° above.

Farm and ranch activities: Feeding livestock, sorting, grading and marketing potatoes, onions and apples. Corrals and feedlots sloppy with rain and melting snow.

VIRGINIA: Temperatures 10° below normal. Average temperature mid 20's. Extremes: 44 and 1°. Precipitation in form of snow on 2d and 3d. Heaviest amount in east with up to 8 in., least amount western section with 2 to 4 in. This was equivalent to 0.50 to 0.75 in. rain in east and less than 0.25 in. west.

Topsoil moisture adequate to surplus. Winter grains and grazing crops good to excellent. Snow cover limiting pasture use. Activities: Hauling manure, topdressing small grain on frozen ground, feeding livestock. Fieldwork: 0.4 days suitable.

WASHINGTON: West: Temperatures 2° above normal except 4° above coastal area. Precipitation 1.20 in. below average coastal, 0.20 in. below San Juans; 0.20 in. above average east Cascade foothills, 0.80 in. above Puget Sound area.

Farm activities: Fertilization, pruning and tying caneberrries.

East: Temperatures normal Okanogan area; 1° below normal northeastern area; 1° above normal elsewhere. Precipitation averaged 0.10 in. above normal Okanogan area; 0.20 in. above elsewhere.

Snow and rain has improved soil moisture to almost average. Calving and lambing continue. Fertilization of grains, potatoes, sugarbeets and alfalfa started in some areas.

WEST VIRGINIA: Temperatures well below normal. Precipitation slightly below normal.

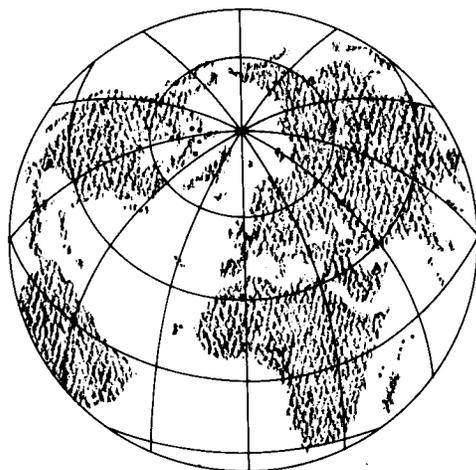
Soil moisture mostly adequate to surplus. Ground covered by snow and ice. Main activity: Caring for livestock. Hay supply short to adequate. Grain supply mostly adequate.

WISCONSIN: Temperatures well below normal. Highs generally teens, lows near zero and below. Extremes: -38 and 20°. Light snow 30th, 1st, 3d, and 4th. Daily snowfall usually 3 in. or less, except for heavier squalls near Lake Superior. Good snow cover statewide ranging from 12 to 24 in.

WYOMING: Temperatures covered wide range; quite cool early week, sharp warming trend midweek. Overall most sections averaged 3 to 10° below average except west where temperatures held 2 to 8° degrees above normal. Precipitation light and spotty; generally near or little below normal. Livestock mostly in good condition. Most receiving supplemental feed. Winter wheat fair to good condition.

World Weather and Crop Update

January 30 - February 5



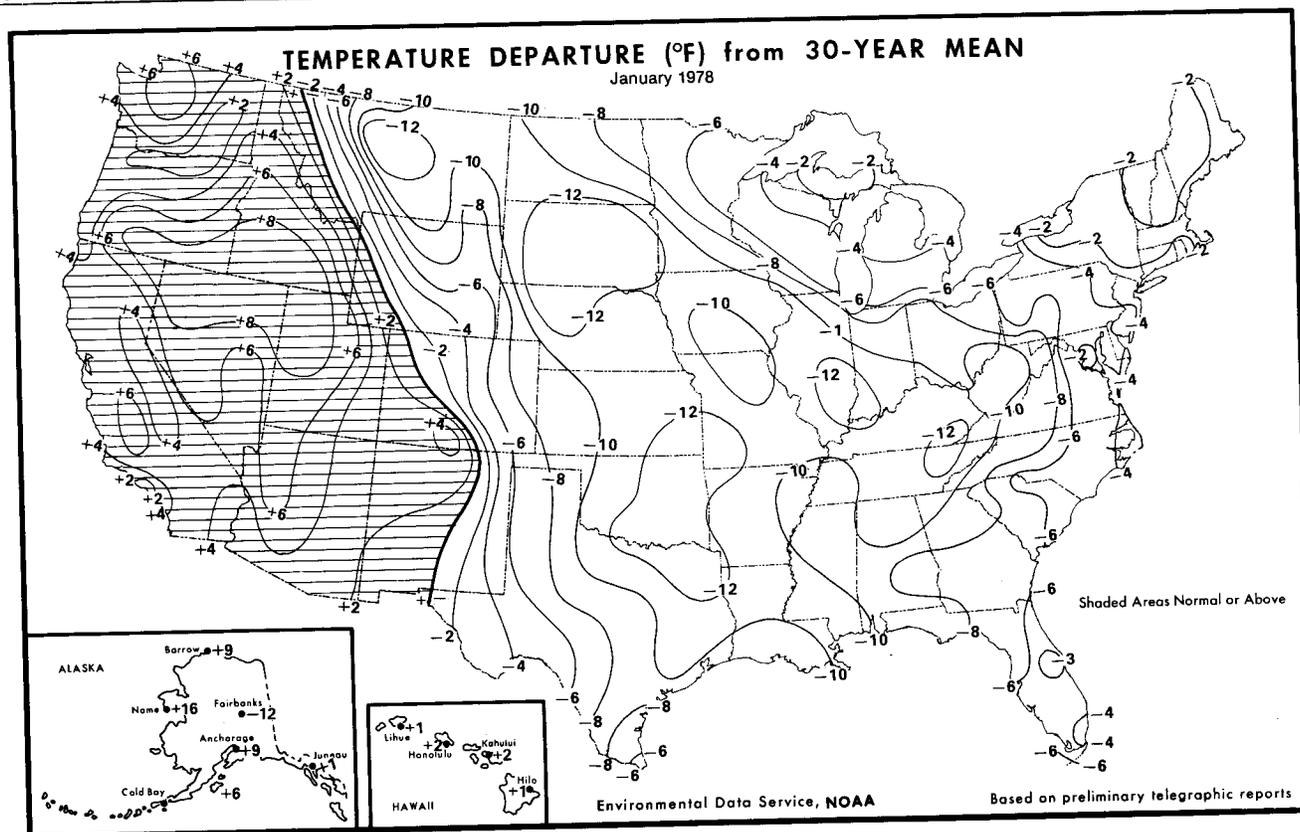
USSR. Heavy snowfalls in the Ukraine greatly improved snow cover over this important winter grain area. The snow was particularly welcome in the southern and eastern regions where the previous dearth of snow had increased the vulnerability of dormant wheat plants to severe frosts.

ASIA. Data were limited for Australia. Available information, however, showed rainfall confined mainly to coastal regions in the southeast and eastern coasts with little significant moisture in the agricultural interior. Tropical activity brought heavy rains to northern Australia especially in northern Queensland. Precipitation was generally light throughout the People's Republic of China. Conditions continued to be favorable for the main winter wheat belt in the north; however, the relatively mild winter resulted in excessive vegetative growth with the wheat plants somewhat more vulnerable than usual to severe frosts. India was seasonally dry except for moderate rainfall in the Bihar plains.

AFRICA. The moisture situation continued to improve in North Africa. Although Morocco received little significant precipitation, heavy showers drenched the main agricultural areas in Tunisia and eastern Algeria; significant rain also fell in the western sections. But at the other end of the continent in South Africa, thunderstorms were erratic bringing light to moderate precipitation to scattered points in the important agricultural regions of the Transvaal and the Orange Free State.

SOUTH AMERICA. Most of Argentina received little precipitation except in the states of Santa Fe and Entre Rios where rainfall amounts of 25 to 40 mm were recorded. In Brazil rainfall was mixed in the important agricultural areas in the south and southeast. Ample precipitation fell throughout Rio Grande do Sul and Santa Catarina, but rainfall in Parana and Sao Paulo was confined mainly to the coastal regions of these vital corn and soybean states. Weekend showers dampened the northeast, although precipitation was generally light along the coast.

EUROPE. Western Europe continued to enjoy a relatively mild winter; seasonal temperatures prevailed as light to moderate amounts of precipitation---light snow in some places---fell over most of the region. The northern half of eastern Europe also received light rain and snow, but there was no snow cover in the southern part of this region. However, temperatures have not been harmful to dormant wheat plants. Moderate to heavy rains were scattered throughout Greece, and moderate amounts of moisture dampened the central agricultural areas of Turkey.



January Weather Summary

HIGHLIGHTS: January was a severe winter month for all of the Nation east of the Rocky Mountains. Surges of cold air from central Canada came one behind the other causing almost continual below-normal temperatures. The average temperature for January was 10 to 13° colder than expected for the first month in most of the Plains and Midwest. Precipitation was above normal from East Texas to New England. Low pressure systems formed as the cold air moved over the warm Gulf of Mexico and moved northeastward triggering heavy rain and some sleet or snow in the South and heavy snow northward. Record low barometer readings were noted as a low off the East Coast merged with one moving up the west side of the Appalachians. The accompanying blizzard in the Ohio Valley and eastern Great Lakes paralyzed the area.

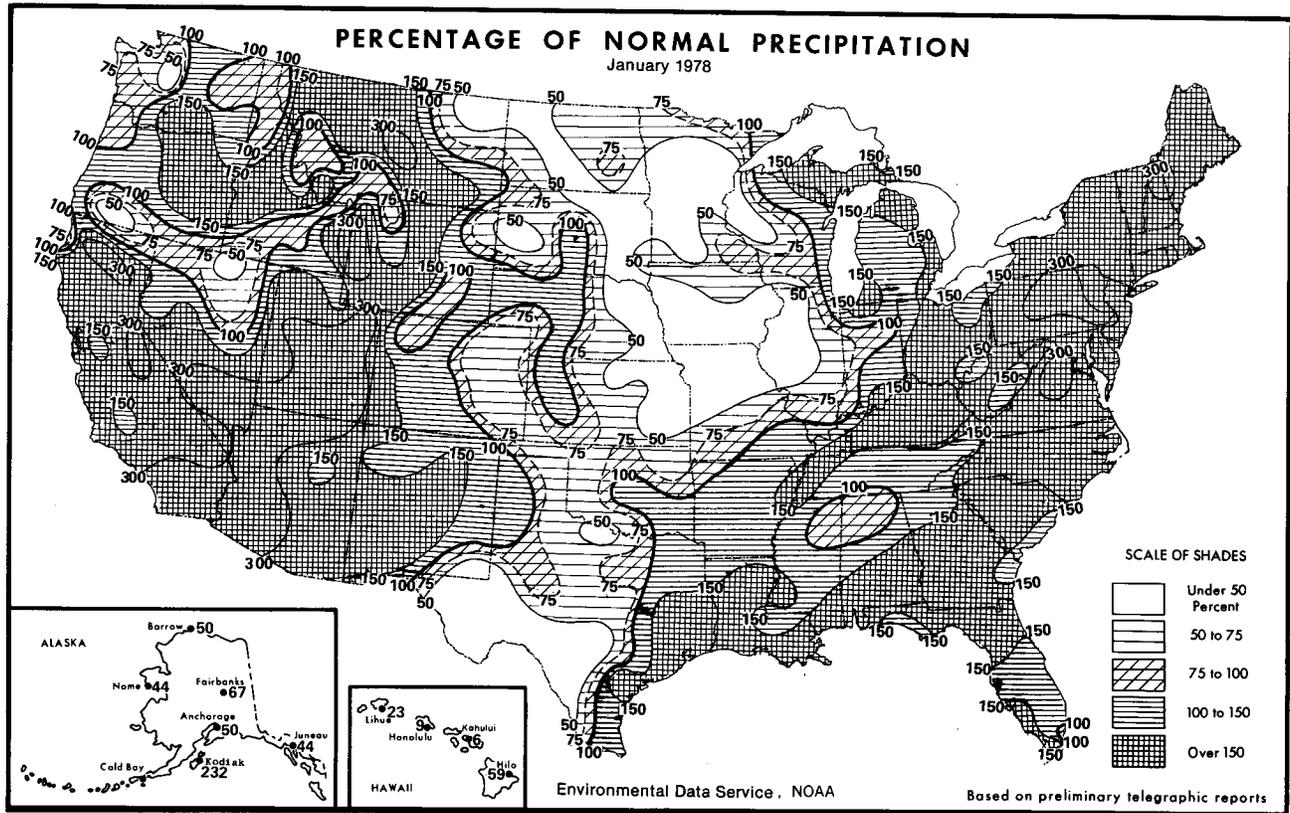
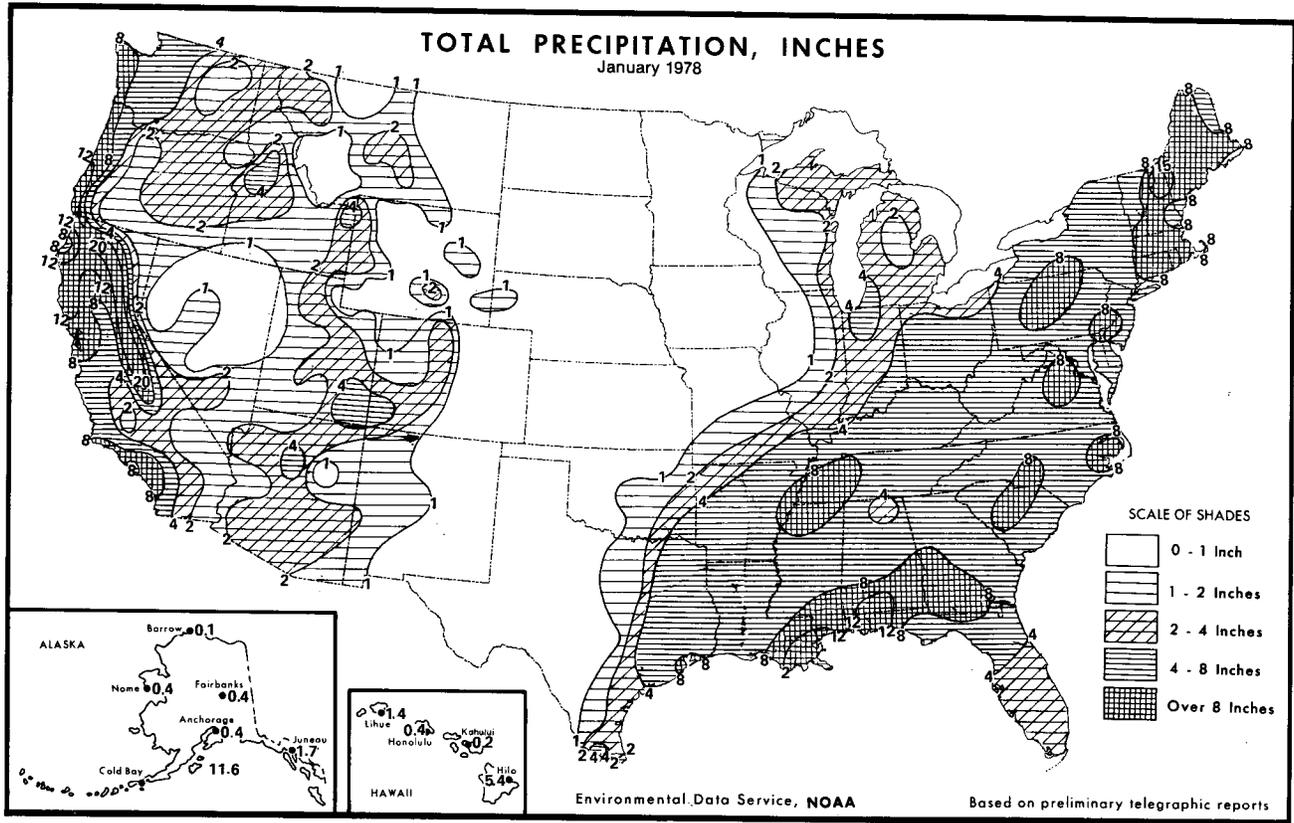
West of the Rockies, opposite conditions prevailed. Warm temperatures persisted throughout the month. Some almond trees were in premature bloom in the lower San Joaquin Valley. Rain, with snow at higher elevations, was well above normal in all of the West.

A welcome return to normal or better precipitation began the year on a pleasant note for the West. During the first week of the month, moderate rain fell along the West Coast, but only light amounts were recorded in the central and southern Plateau Region. Elsewhere, little or no rain fell on West Texas, Oklahoma, Kansas, and eastern Colorado. A low pressure system brewed at mid-week in Missouri, and rain moved through the South borne northward to New England in the southerly flow. Cold air moved southward behind the low pressure to usher in the first cold outbreak east of the Rockies. Temperatures remained well above normal west of the Continental Divide.

Much of the Nation measured some precipitation during the second week. Rain or snow persisted in the West and spread inland across the Plateau to the Rockies. Some heavy amounts clipped northern California and the Sierras. Cold air enveloped the area east of the Rockies early in the week. A low pressure system in the Gulf of Mexico chugged eastward and then northeastward. Moderate rain fell in East Texas and Arkansas and all the way along the East Coast. Temperatures were warm in the West and very cold east of the Rockies.

Cold air continued to flow southward from central Canada during the third week of January causing the formation of two massive winter storms which originated in the Gulf of Mexico. The first trudged northward west of the Appalachians and dumped heavy snow in the Ohio Valley and northward. The second storm charged up the Atlantic Coast and produced heavy snowfall from the mid-Atlantic through New England. Freezing rain and/or snow reached into the Deep South where cold temperatures touched the Florida citrus. Elsewhere, precipitation continued west of the Rockies providing welcome runoff for the streams and reservoirs.

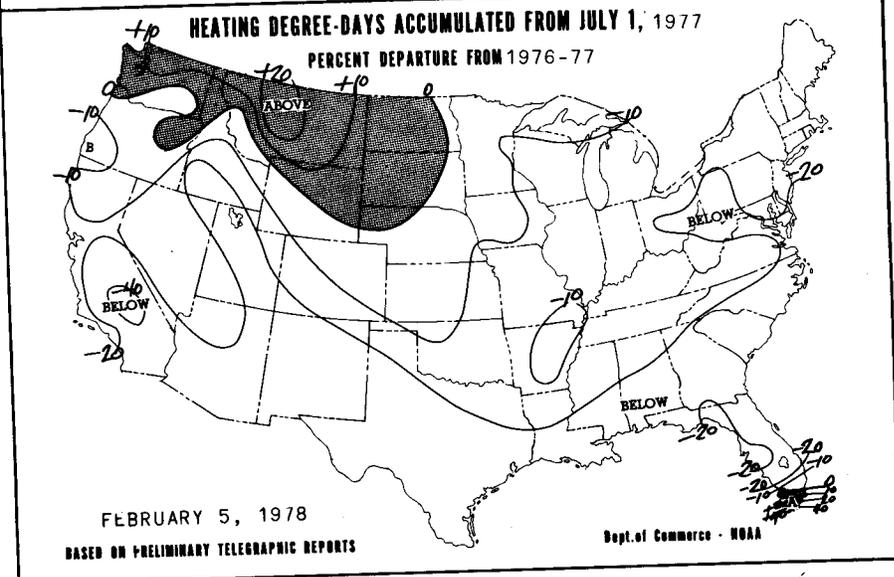
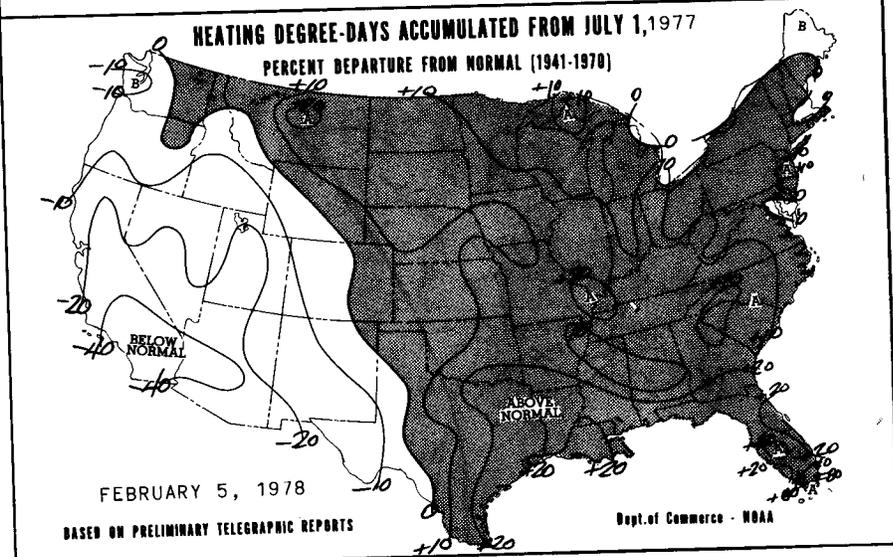
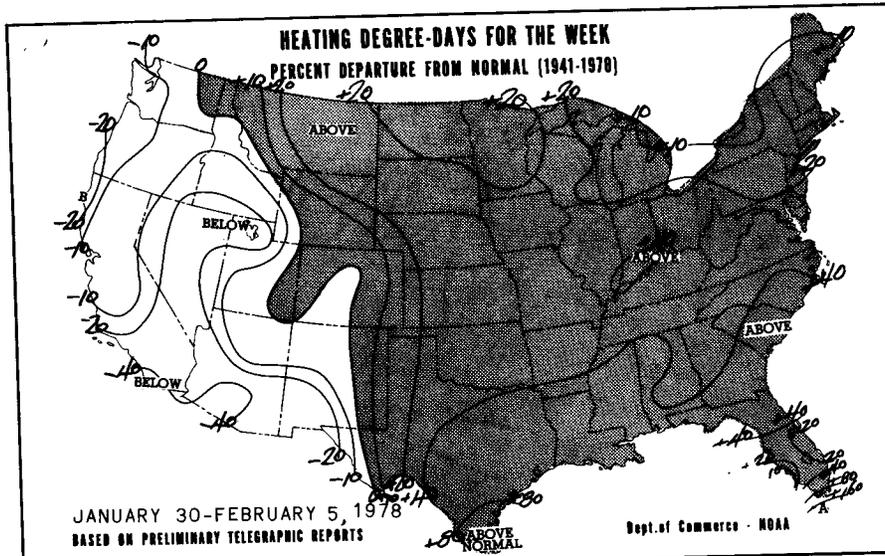
The last week of January brought some respite from the persistent rain in California although the last day of the month saw rain in southern California and the Southwest. Generally light but welcome moisture fell in West Texas. Elsewhere one of the most intense storms of record blitzed the Ohio Valley and Great Lakes region with blizzard conditions. Heavy rain fell in the South; ten inches flooded areas around Mobile. The rain or snow extended into New England. Another outbreak of cold air continued the deep freeze east of the Rockies and unusually warm weather continued from the Plateau westward.



Temperature and Precipitation Data for January 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 . . .	34	-10	4.5	- .3	LA. Baton Rouge . . .	43	- 8	6.5	+ 2.1	Youngstown . . .	20	- 6	4.5	+ 1.6
Mobile . . .	41	-10	10.4	+ 5.7	Lake Charles . . .	43	- 9	6.6	+ 2.6	OKLA. Okla. City . . .	26	-11	1.3	- .2
Montgomery . . .	41	- 7	7.0	+ 3.0	New Orleans . . .	44	- 9	13.6	+ 9.1	Tulsa . . .	25	-12	.8	- .6
ALASKA. Anchorage . . .	21	+ 9	.4	- .4	Shreveport . . .	35	-12	4.9	+ .9	OREG. Astoria . . .	44	+ 3	8.7	- 1.0
Barrow . . .	- 6	+ 9	.1	- .1	MAINE. Caribou . . .	10	- 1	5.1	+ 3.1	Burns . . .	30	+ 5	2.5	+ .7
Fairbanks . . .	0	-12	.4	- .2	Portland . . .	21	- 1	6.9	+ 3.5	Medford . . .	44	+ 7	1.5	- 2.0
Juneau . . .	25	+ 1	1.7	- 2.2	MD. Baltimore . . .	29	- 4	7.3	+ 4.4	Pendleton . . .	32	0	2.8	+ 1.2
Kodiak . . .	26	+ 6	11.6	+ 6.6	MASS. Boston . . .	29	0	8.1	+ 4.4	Portland . . .	40	+ 2	4.9	- 1.0
Nome . . .	22	+16	.4	- .5	Chatham . . .	31	0	6.8	+ 3.0	Salem . . .	41	+ 2	5.7	- 1.2
ARIZ. Flagstaff . . .	32	+ 4	4.1	+ 2.2	MICH. Alpena . . .	16	- 2	3.2	+ 1.6	PA. Allentown . . .	25	- 3	7.4	+ 4.4
Phoenix . . .	57	+ 6	2.3	+ 1.6	Detroit . . .	20	- 5	3.2	+ 1.3	Erie . . .	20	- 5	3.6	+ 1.1
Tucson . . .	53	+ 2	2.1	+ 1.3	Flint . . .	18	- 4	2.0	+ .3	Harrisburg . . .	26	- 4	7.4	+ 4.8
Winslow . . .	37	+ 4	.4	0	Grand Rapids . . .	19	- 4	2.2	+ .3	Philadelphia . . .	28	- 4	8.9	+ 6.1
Yuma . . .	57	+ 2	1.4	+ 1.0	Houghton Lake . . .	15	- 2	1.9	+ .4	Pittsburgh . . .	23	- 5	6.3	+ 3.5
ARK. Fort Smith . . .	28	-11	2.2	- .2	Lansing . . .	18	0	3.0	+ 1.5	Scranton . . .	24	- 3	5.3	+ 3.2
Little Rock . . .	30	-10	5.7	+ 1.5	Marquette . . .	18	- 5	2.6	+ .7	R. I. Providence . . .	25	- 3	9.0	+ 5.5
CALIF. Bakersfield . . .	35	+ 7	1.2	+ .2	Muskegon . . .	20	- 4	3.2	+ .9	S. C. Charleston . . .	44	- 5	4.3	+ 1.4
Eureka . . .	52	+ 5	4.5	- 2.9	S. Ste. Marie . . .	11	- 3	2.5	+ .6	Columbia . . .	37	- 8	9.3	+ 5.9
Fresno . . .	51	+ 6	3.2	+ 1.4	MINN. Duluth . . .	5	- 4	.5	- .7	Greenville . . .	35	- 7	6.9	+ 2.8
Los Angeles . . .	58	+ 1	7.7	+ 4.7	Internatl Falls . . .	- 4	- 6	.8	- .1	S. D. Aberdeen . . .	- 2	-12	.2	- .3
Red Bluff . . .	51	+ 6	10.2	+ 5.7	Minneapolis . . .	6	- 6	.4	- .3	Huron . . .	0	-13	.1	- .3
San Diego . . .	61	+ 6	6.0	+ 4.1	Rochester . . .	4	- 9	.6	- .1	Rapid City . . .	11	-11	.2	- .3
San Francisco . . .	53	+ 5	8.9	+ 4.5	St. Cloud . . .	3	- 6	.2	- .6	Sioux Falls . . .	2	-12	.5	- .1
Stockton . . .	50	+ 5	4.3	+ 1.4	MISS. Jackson . . .	37	-10	5.3	+ .8	TENN. Chattanooga . . .	30	-10	5.8	+ .4
COLO. Denver . . .	26	- 4	.3	- .3	Meridian . . .	39	- 8	5.8	+ 1.5	Knoxville . . .	29	-12	5.2	+ .5
Grand Junction . . .	29	+ 2	1.1	+ .5	MO. Columbia . . .	20	- 9	.7	- 1.0	Memphis . . .	33	- 8	8.1	+ 3.2
Pueblo . . .	25	- 5	.2	- .1	Kansas City . . .	17	-11	.4	- .9	Nashville . . .	28	-10	6.0	+ 1.2
CONN. Bridgeport . . .	27	- 3	7.9	+ 5.2	St. Louis . . .	20	-11	1.7	- .2	TEX. Abilene . . .	35	- 9	.6	- .4
Hartford . . .	24	- 1	9.6	+ 6.3	Springfield . . .	20	-13	1.5	- .2	Amarillo . . .	29	- 7	.6	+ .1
D. C. Washington . . .	33	- 3	7.1	+ 4.5	MONTE. Billings . . .	11	-11	2.0	+ 1.3	Austin . . .	41	- 9	.9	- 1.0
FLA. Apalachicola . . .	46	- 8	4.2	+ 1.1	Glasgow . . .	8	-13	1.7	+ .8	Beaumont . . .	44	- 8	6.7	+ 2.6
Daytona Beach . . .	54	- 4	2.9	+ .8	Great Falls . . .	3	- 9	1.1	+ .6	Brownsville . . .	55	- 5	1.9	+ .5
Ft. Myers . . .	59	- 5	2.5	+ .9	Havre . . .	3	- 9	1.1	+ .6	Corpus Christi . . .	49	- 7	2.0	+ .4
Jacksonville . . .	49	- 6	4.6	+ 1.8	Helena . . .	17	- 1	1.0	+ .4	Dallas . . .	47	- 4	.1	- .5
Key West . . .	64	- 7	2.1	+ .4	Kalispell . . .	20	+ 1	2.3	+ .8	Del Rio . . .	45	+ 1	.4	- .0
Lakeland . . .	55	- 6	2.4	+ .1	Miles City . . .	3	- 8	.5	0	El Paso . . .	34	-11	1.4	- .4
Miami . . .	57	- 3	2.1	- .1	Missoula . . .	24	+ 3	1.2	0	Fort Worth . . .	45	- 9	8.9	+ 5.9
Orlando . . .	54	- 3	2.5	+ .2	NEBR. Grand Island . . .	12	-10	.3	- .2	Galveston . . .	41	-11	7.2	+ 3.6
Tallahassee . . .	45	- 8	7.0	+ 3.3	Lincoln . . .	10	-12	.3	- .3	Houston . . .	32	- 7	.6	0
Tampa . . .	55	- 5	2.8	+ .5	Norfolk . . .	8	-11	.2	- .4	Lubbock . . .	38	- 6	.2	- .4
W. Palm Beach . . .	62	- 4	3.4	+ .8	N. Platte . . .	11	-12	.5	0	Midland . . .	39	- 7	.6	- .2
GA. Atlanta . . .	34	- 8	7.0	+ 2.7	Omaha . . .	10	-10	.2	- .5	San Angelo . . .	43	- 8	.7	- 1.0
Augusta . . .	39	- 7	7.8	+ 4.4	Valentine . . .	8	-12	.3	0	San Antonio . . .	45	- 9	3.4	+ 1.6
Macon . . .	41	- 7	7.5	+ 3.8	NEV. Ely . . .	29	+ 5	.6	0	Victoria . . .	38	- 9	1.0	- .9
Savannah . . .	44	- 6	4.0	+ 1.1	Las Vegas . . .	48	+ 4	1.0	+ .5	Waco . . .	30	-12	.4	- .7
HAWAII. Hilo . . .	72	+ 1	5.4	- 3.7	Reno . . .	37	+ 5	1.7	+ .5	Wichita Falls . . .	31	+ 3	4.0	+ 2.9
Honolulu . . .	74	+ 2	.4	- 4.0	Winnemucca . . .	36	+ 8	.9	- .1	UTAH. Blanding . . .	36	+ 8	2.3	+ 1.0
Kahului . . .	74	+ 2	.2	- 3.4	N. H. Concord . . .	18	- 3	6.3	+ 3.6	Salt Lake City . . .	15	- 2	4.7	+ 3.0
Lihue . . .	72	+ 1	1.4	- 4.8	N. J. Atlantic City . . .	30	- 3	5.7	+ 2.1	VT. Burlington . . .	29	- 8	8.0	+ 5.2
IDAHO. Boise . . .	37	+ 8	2.4	+ .9	Trenton . . .	28	- 4	6.6	+ 3.8	VA. Lynchburg . . .	37	- 4	6.3	+ 2.9
Lewiston . . .	35	+ 4	1.9	+ .6	N. MEX. Albuquerque . . .	37	+ 2	1.3	+ 1.0	Norfolk . . .	33	- 5	8.0	+ 5.1
Pocatello . . .	31	+ 8	1.2	+ .1	Roswell . . .	36	- 2	5.5	+ .1	Richmond . . .	28	- 8	6.1	+ 3.4
ILL. Cairo . . .	26	-10	4.1	+ .1	N. Y. Albany . . .	22	0	6.4	+ 4.2	Roanoke . . .	26	+ 2	1.9	- .2
Chicago . . .	16	- 8	2.4	+ .5	Binghamton . . .	19	- 3	6.1	+ 3.8	WASH. Colville . . .	26	+ 5	1.7	+ .5
Moline . . .	12	-10	.6	- 1.1	Buffalo . . .	20	- 4	6.2	+ 3.3	Omak . . .	26	+ 4	8.2	- 6.4
Peoria . . .	13	-11	.7	- 1.1	New York . . .	29	- 3	6.1	+ 3.2	Quillayute . . .	43	+ 6	4.3	- 1.5
Rockford . . .	11	- 9	.8	- 1.0	Rochester . . .	23	- 1	5.8	+ 3.5	Seattle-Tacoma . . .	28	+ 3	2.5	0
Springfield . . .	16	-11	.7	- 1.1	Syracuse . . .	23	- 1	5.8	+ 3.1	Spokane . . .	34	+ 1	2.4	+ .3
IND. Evansville . . .	20	-13	2.6	- .8	N. C. Asheville . . .	29	- 9	7.5	+ 4.1	Walla Walla . . .	33	+ 5	2.3	+ 1.0
Ft. Wayne . . .	16	- 9	2.4	- .1	Charlotte . . .	37	- 5	6.8	+ 3.3	Yakima . . .	22	- 9	4.4	+ .9
Indianapolis . . .	18	-10	3.8	+ .9	Greensboro . . .	31	- 8	7.7	+ 4.5	W. Va. Beckley . . .	24	-11	5.6	+ 2.2
South Bend . . .	18	- 6	4.0	+ 1.6	Hatteras . . .	42	- 3	7.6	+ 3.3	Charleston . . .	25	- 9	6.4	+ 3.2
IOWA. Burlington . . .	14	- 9	.2	- 1.4	Raleigh . . .	35	- 6	7.0	+ 3.8	Huntington . . .	22	-11	4.0	+ .9
Des Moines . . .	11	- 8	.3	- .8	Wilmington . . .	42	- 4	6.7	+ 3.5	Parkersburg . . .	11	- 4	1.3	+ .2
Dubuque . . .	8	-10	.8	- .9	N. DAK. Bismarck . . .	- 2	-10	.1	- .4	WIS. Green Bay . . .	8	- 8	.8	- .2
Sioux City . . .	8	-10	.2	- .5	Fargo . . .	- 2	- 8	.2	- .3	La Crosse . . .	11	- 6	1.0	- .3
KANS. Concordia . . .	22	- 9	.5	0	Williston . . .	- 2	-10	.3	- .3	Madison . . .	15	- 4	2.0	+ .4
Dodge City . . .	19	- 9	.4	0	OHIO. Akron-Canton . . .	19	- 7	3.7	+ 1.0	Milwaukee . . .	17	- 6	.7	+ .2
Goodland . . .	17	-11	.2	- .8	Cincinnati . . .	18	-13	4.5	+ 1.2	WYO. Casper . . .	22	- 5	.6	+ .1
Topeka . . .	21	-10	.5	- .4	Cleveland . . .	20	- 7	3.7	+ 1.1	Cheyenne . . .	18	- 2	.6	+ .1
Wichita . . .	22	-11	6.4	+ 2.4	Columbus . . .	19	- 9	5.9	+ 3.0	Lander . . .	11	-10	1.3	+ .6
KY. Lexington . . .	23	-10	5.9	+ 2.4	Dayton . . .	19	- 9	4.7	+ 1.9	Sheridan . . .	11	-10	.6	- 3.1
Louisville . . .	23	-10	5.9	+ 2.4	Toledo . . .	17	- 8	3.1	+ 1.0	P. R. San Juan . . .	78	+ 3	.6	- .3

Based on 1941-70 normals



HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING FEB. 5, 1978.

STATES AND STATIONS	WEEKLY			SEASONAL ACCUMULATION +			STATES AND STATIONS	WEEKLY			SEASONAL ACCUMULATION +			STATES AND STATIONS	WEEKLY			SEASONAL ACCUMULATION +		
	TOTAL	DEPARTURE*	DEPARTURE*	TOTAL	DEPARTURE*	DEPARTURE*		TOTAL	DEPARTURE*	DEPARTURE*	TOTAL	DEPARTURE*	DEPARTURE*		TOTAL	DEPARTURE*	DEPARTURE*	TOTAL	DEPARTURE*	DEPARTURE*
ALA. BIRMINGHAM...	200	66	2214	1488	450	506	MAINE CARIBOU...	397	4	5612	155	862	OKLA. YOUNGSTOWN...	340	60	4029	212	1023		
MOBILE...	1488	450	506	1488	450	506	PORTLAND...	347	39	4776	122	595	OKLA. OKLAHOMA CITY...	504	58	2632	245	321		
MONTGOMERY...	1589	450	506	1589	450	506	MD BALTIMORE...	270	47	2971	67	624	OKLA. TULSA...	438	58	2733	320	390		
ARIZ. FLAGSTAFF...	21	0	333	742	0	676	MASS BOSTON...	289	37	3218	43	522	OREG ASTORIA...	129	29	1071	10	144		
PHOENIX...	21	0	333	742	0	676	MICH ALPENA...	354	4	4864	31	686	OREG BURNS...	129	29	1071	10	144		
TUCSON...	21	0	333	742	0	676	DETROIT...	354	4	4864	31	686	OREG MEDFORD...	129	29	1071	10	144		
WINSLON...	21	0	333	742	0	676	FLINT...	354	4	4864	31	686	OREG PENDLETON...	129	29	1071	10	144		
YUMA...	21	0	333	742	0	676	GRAND RAPIDS...	354	4	4864	31	686	OREG PORTLAND...	129	29	1071	10	144		
ARK. FORT SMITH...	22	0	357	809	0	732	HOUGHTON LAKE...	354	4	4864	31	686	OREG SALEM...	129	29	1071	10	144		
LITTLE ROCK...	22	0	357	809	0	732	LANSING...	354	4	4864	31	686	PA ALLENTOWN...	129	29	1071	10	144		
CALIF. BAKERSFIELD...	93	14	764	1328	14	504	HARQUETTE...	354	4	4864	31	686	PA ERIE...	129	29	1071	10	144		
EUREKA...	93	14	764	1328	14	504	HUSKISSON...	354	4	4864	31	686	PA HARRISBURG...	129	29	1071	10	144		
FRESNO...	93	14	764	1328	14	504	MINN DULUTH...	354	4	4864	31	686	PA PHILADELPHIA...	129	29	1071	10	144		
LOS ANGELES...	93	14	764	1328	14	504	INTERNATL FALLS...	354	4	4864	31	686	PA PITTSBURGH...	129	29	1071	10	144		
RED BLUFF...	93	14	764	1328	14	504	MINNEAPOLIS...	354	4	4864	31	686	PA SCRANTON...	129	29	1071	10	144		
SAN DIEGO...	93	14	764	1328	14	504	ROCHESTER...	354	4	4864	31	686	PA I. PROVIDENCE...	308	49	3549	86	692		
SAN FRANCISCO...	93	14	764	1328	14	504	S. STE. MARIE...	354	4	4864	31	686	S. C. CHARLESTON...	177	66	1544	109	463		
STOCKTON...	93	14	764	1328	14	504	MISS JACKSON...	185	63	1923	37	444	S. C. COLUMBIA...	177	66	1544	109	463		
COLO. DENVER...	236	15	3419	1377	15	160	HERDIAN...	185	63	1923	37	444	S. C. GREENVILLE...	177	66	1544	109	463		
GRAND JUNCTION...	236	15	3419	1377	15	160	MO. COLUMBIA...	54	5	1761	128	731	S. DAK. ABERDEEN...	454	76	5991	217	74		
PUEBLO...	236	15	3419	1377	15	160	KANSAS CITY...	698	3	3520	324	872	S. DAK. HURON...	111	11	5531	588	224		
CONN. BRIDGEPORT...	290	35	3794	50	4	482	ST. LOUIS...	698	3	3520	324	872	S. DAK. RAPID CITY...	437	4	6011	205	25		
HARTFORD...	290	35	3794	50	4	482	SPRINGFIELD...	698	3	3520	324	872	S. DAK. SIOUX FALLS...	437	4	6011	205	25		
DEL. WILMINGTON...	282	51	3185	193	581	581	MONT. BILLINGS...	44	4	5013	680	780	TENN. CHATTANOOGA...	220	25	2584	45	43		
D.C. WASHINGTON...	245	42	2620	6	637	637	GLASGOW...	100	0	6060	6060	6060	TENN. KNOXVILLE...	220	25	2584	45	43		
FLA. APALACHICOLA...	124	47	1174	253	33	336	GREAT FALLS...	100	0	6060	6060	6060	TENN. MEMPHIS...	220	25	2584	45	43		
DANTONA BEACH...	124	47	1174	253	33	336	HAVENA...	100	0	6060	6060	6060	TENN. NASHVILLE...	220	25	2584	45	43		
FORT IVERS...	124	47	1174	253	33	336	HELEN...	100	0	6060	6060	6060	TEXAS ABILENE...	187	18	1805	187	69		
JACKSONVILLE...	124	47	1174	253	33	336	HELLEN...	100	0	6060	6060	6060	TEXAS AMARILLO...	187	18	1805	187	69		
KEY WEST...	124	47	1174	253	33	336	KALISPELL...	100	0	6060	6060	6060	TEXAS AUSTIN...	187	18	1805	187	69		
LAKELAND...	124	47	1174	253	33	336	MILLS CITY...	100	0	6060	6060	6060	TEXAS BEAUMONT...	187	18	1805	187	69		
MIAMI...	124	47	1174	253	33	336	MISSOULA...	100	0	6060	6060	6060	TEXAS BROWNSVILLE...	187	18	1805	187	69		
ORLANDO...	124	47	1174	253	33	336	NEBR. GRAND ISLAND...	88	8	4295	30	87	TEXAS CORPUS CHRISTI...	187	18	1805	187	69		
TALLAHASSEE...	124	47	1174	253	33	336	NORTH...	88	8	4295	30	87	TEXAS DEL RIO...	187	18	1805	187	69		
TAMPA...	124	47	1174	253	33	336	NORTH PLATTE...	88	8	4295	30	87	TEXAS EL PASO...	187	18	1805	187	69		
WEST PALM BEACH...	124	47	1174	253	33	336	OMAHA...	88	8	4295	30	87	TEXAS FORT WORTH...	187	18	1805	187	69		
GA. ATLANTA...	194	43	2298	270	630	630	VALENTINE...	88	8	4295	30	87	TEXAS HOUSTON...	187	18	1805	187	69		
AUGUSTA...	194	43	2298	270	630	630	NEV. ELY...	23	40	3965	58	612	TEXAS LUBBOCK...	187	18	1805	187	69		
Macon...	194	43	2298	270	630	630	LAS VEGAS...	23	40	3965	58	612	TEXAS MIDLAND...	187	18	1805	187	69		
SAVANNAH...	194	43	2298	270	630	630	RENO...	23	40	3965	58	612	TEXAS SAN ANGELO...	187	18	1805	187	69		
IDAHO. BOISE...	192	37	3146	453	854	854	MINNEAPOLIS...	195	51	3210	767	522	TEXAS SAN ANTONIO...	187	18	1805	187	69		
LENISTON...	192	37	3146	453	854	854	N. H. CONCORD...	362	54	4764	382	650	TEXAS VICTORIA...	187	18	1805	187	69		
POCATELLO...	192	37	3146	453	854	854	N. J. ATLANTIC CITY...	280	54	3003	48	932	TEXAS WACO...	187	18	1805	187	69		
ILL. CAIRO...	262	69	3069	570	339	339	TRENTON...	280	54	3003	48	932	UTAH SALT LAKE CITY...	188	53	2871	812	759		
CHICAGO...	262	69	3069	570	339	339	N. MEX. ALBUQUERQUE...	82	10	2493	300	839	VT. BURLINGTON...	394	54	4761	109	613		
MOLINE...	262	69	3069	570	339	339	ROSNELL...	82	10	2493	300	839	VA. LYNCHBURG...	295	59	2931	261	603		
PEORIA...	262	69	3069	570	339	339	N. Y. ALBANY...	33	33	4176	42	627	VA. NORFOLK...	295	59	2931	261	603		
ROCKFORD...	262	69	3069	570	339	339	BINGHAMTON...	33	33	4176	42	627	VA. RICHMOND...	295	59	2931	261	603		
SPRINGFIELD...	262	69	3069	570	339	339	BUFFALO...	33	33	4176	42	627	VA. ROANOKE...	295	59	2931	261	603		
IND. EVANSVILLE...	314	95	3341	388	630	630	NEW YORK...	33	33	4176	42	627	WASH. QUILLAYUTE...	159	15	3382	4	38		
FORT WAYNE...	314	95	3341	388	630	630	ROCHESTER...	33	33	4176	42	627	WASH. SEATTLE-TACOMA...	159	15	3382	4	38		
INDIANAPOLIS...	314	95	3341	388	630	630	SYRACUSE...	33	33	4176	42	627	WASH. SPOKANE...	159	15	3382	4	38		
SOUTH BEND...	314	95	3341	388	630	630	N. C. ASHEVILLE...	39	50	2970	300	520	WASH. WALLA WALLA...	159	15	3382	4	38		
IOWA. BURLINGTON...	357	73	4330	510	587	587	CHARLOTTE...	39	50	2970	300	520	W. VA. MARTINSBURG...	159	15	3382	4	38		
BES MOINES...	357	73	4330	510	587	587	GREENSBORO...	39	50	2970	300	520	W. VA. BECKLEY...	159	15	3382	4	38		
DUBUGUE...	357	73	4330	510	587	587	HATTERAS...	39	50	2970	300	520	W. VA. CHARLESTON...	159	15	3382	4	38		
STOUCX CITY...	357	73	4330	510	587	587	RALEIGH...	39	50	2970	300	520	W. VA. HUNTINGTON...	159	15	3382	4	38		
KANS. CONCORDIA...	334	79	3870	360	159	159	WILMINGTON...	39	50	2970	300	520	WIS. GREEN BAY...	114	14	1101	10	908		
DODGE CITY...	334	79	3870	360	159	159	N. DAK. BISHARCK...	452	66	6200	682	262	WIS. LACROSSE...	114	14	1101	10	908		
GOODLAND...	334	79	3870	360	159	159	FARGO...	452	66	6200	682	262	WIS. MADISON...	114	14	1101	10	908		
TOPEKA...	334	79	3870	360	159	159	HILLISTON...	452	66	6200	682	262	WYO. CASPER...	29	29	4547	12	71		
WICHITA...	334	79	3870	360	159	159	OHIO AKRON-CANTON...	340	67	4011	291	891	WYO. CHEYENNE...	29	29	4547	12	71		
KY. LEXINGTON...	308	86	3313	347	757	757	CINCINNATI...	340	67	4011	291	891	WYO. LANDER...	29	29	4547	12	71		
LOUISVILLE...	308	86	3313	347	757	757	CLEVELAND...	340	67	4011	291	891	WYO. SHERIDAN...	29	29	4547	12	71		
LA. BATON ROUGE...	152	56	1318	156	489	489	COLUMBUS...	340	67	4011	291	891								
LAKE CHARLES...	152	56	1318	156	489	489	DAYTON...	340	67	4011	291	891								
NEW ORLEANS...	152	56	1318	156	489	489	TOLEDO...	340	67	4011	291	891								

IMMEDIATE - U. S. Weather Report

This Report Will be Treated in All Respects as Letter Mail

POSTAGE AND FEES PAID
 U.S. DEPARTMENT OF COMMERCE



FIRST CLASS MAIL

COM 210

Heating Degree Days (Base 65° F.)

January 1978

ALA. Birmingham	967	MAINE, Caribou	1702	OKLA. Okla. City	1192
Mobile	730	Portland	1352	Tulsa	1236
Montgomery	756	MD. Baltimore	1101	OREG. Astoria	643
ALASKA, Anchorage	1349	MASS. Boston	1127	Burns U.	1073
Barrow	2201	Chatham	1071	Medford	646
Fairbanks	-----	MICH. Alpena	1506	Pendleton	1011
Juneau	-----	Detroit	1400	Portland	727
Nome	1338	Flint	1444	Salem	765
ARIZ. Flagstaff	1032	Grand Rapids	1407	PA. Allentown	1238
Phoenix	254	Houghton Lake	1556	Erie	1395
Tucson	365	Lansing	1461	Harrisburg	1196
Winslow	849	Marquette U.	1456	Philadelphia	1139
Yuma	241	S. Ste. Marie	1675	Pittsburgh	1307
ARK. Fort Smith	1143	MINN. Duluth	1848	Scranton	1252
Little Rock	1086	Internatl Falls	2126	R.I. Providence	1230
CALIF. Bakersfield	310	Minneapolis	1822	S.C. Charleston	663
Eureka U.	403	Rochester	1903	Columbia	850
Fresno	415	St. Cloud	1911	Greenville	916
Los Angeles U	209	MISS. Jackson	881	S. DAK. Aberdeen	2070
Red Bluff	418	Meridian	808	Huron	2007
Stockton	449	Vicksburg U.	-----	Rapid City	1669
San Diego	117	MO. Columbia	1378	Sioux Falls	1957
San Francisco	381	Kansas City	1487	TENN. Chattanooga	1072
COLO. Denver	1206	St. Louis	1404	Knoxville	1098
Grand Junction	1098	Springfield	1396	Memphis	995
Pueblo	1228	MONT. Billings	1668	Nashville	1152
CONN. Bridgeport	1182	Glasgow	2081	TEX. Abilene	1107
Hartford	1276	Great Falls	1778	Amarillo	750
D.C. Washington	1001	Havre	1936	Austin	666
FLA. Apalachicola	597	Helena	1485	Beaumont	818
Ft. Myers	212	Kalispell	1397	Brownsville	342
Jacksonville	508	Miles City	1930	Corpus Christi	502
Key West	92	Missoula	1259	Dallas	562
Lakeland U.	306	NERR. Grand Island	1632	Del Rio	603
Miami	123	Lincoln	1703	El Paso	962
Orlando	275	Norfolk	1758	Fort Worth	606
Daytona Beach	352	North Platte	1662	Galveston U.	752
Tallahassee	620	Omaha	1702	Houston	1014
Tampa	320	Valentine	1760	Lubbock	823
GA. Atlanta	968	NEV. Ely	1101	Midland	818
Augusta	797	Las Vegas	522	San Angelo	687
Macon	754	Reno	858	San Antonio	620
Savannah	645	Winnemucca	894	Victoria	839
IDAHO, Boise	859	N. H. Concord	1466	Wichita Falls	1078
Lewiston	911	N. J. Atlantic City	1069	UTAH. Milford	973
Pocatello	1045	Trenton U.	870	Salt Lake City	880
ILL. Cairo U.	1215	N. MEX. Albuquerque	894	VT. Burlington	1539
Chicago	1517	Roswell	1340	VA. Lynchburg	1105
Moline	1626	N. Y. Albany	1414	Norfolk	861
Peoria	1595	Binghamton	1376	Richmond	974
Rockford	1658	Buffalo	1119	Roanoke	1147
Springfield	1521	Rochester	1298	WASH. Colville	1172
IND. Evansville	1377	Syracuse	1348	Omak	-----
Fort Wayne	1509	N. C. Asheville	1101	Quillayute	680
Indianapolis	1448	Charlotte	862	Seattle-Tacoma	631
South Bend	1436	Greensboro	1039	Spokane	1154
IOWA, Burlington	1596	Hatteras R.	704	Wallis Wallis U.	955
Des Moines	1667	Raleigh	914	Yakima	992
Dubuque	1770	Wilamston	709	W. VA. Beckley	1319
Sioux City	1778	N. DAK. Bismarck	2066	Charleston	1249
KANS. Concordia	1512	Fargo	2062	Huntington	1232
Dodge City	1330	Williston U.	2091	Parkersburg U.	1292
Goodland	1431	OHIO. Akron-Canton	1413	WIS. Green Bay	1658
Topeka	1417	Cincinnati U.	1440	Milwaukee	1688
Wichita	1375	Cleveland	1387	Wyo. Casper	1531
KY. Lexington	1338	Columbus	1420	Cheyenne	1481
Louisville	1294	Dayton	1428	Lander	1325
LA. Baton Rouge	694	Toledo	1480	Sheridan	1466
Lake Charles	692	Youngstown	1403		
New Orleans	646				
Shreveport	933				

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