

Weekly Weather & Crop Bulletin

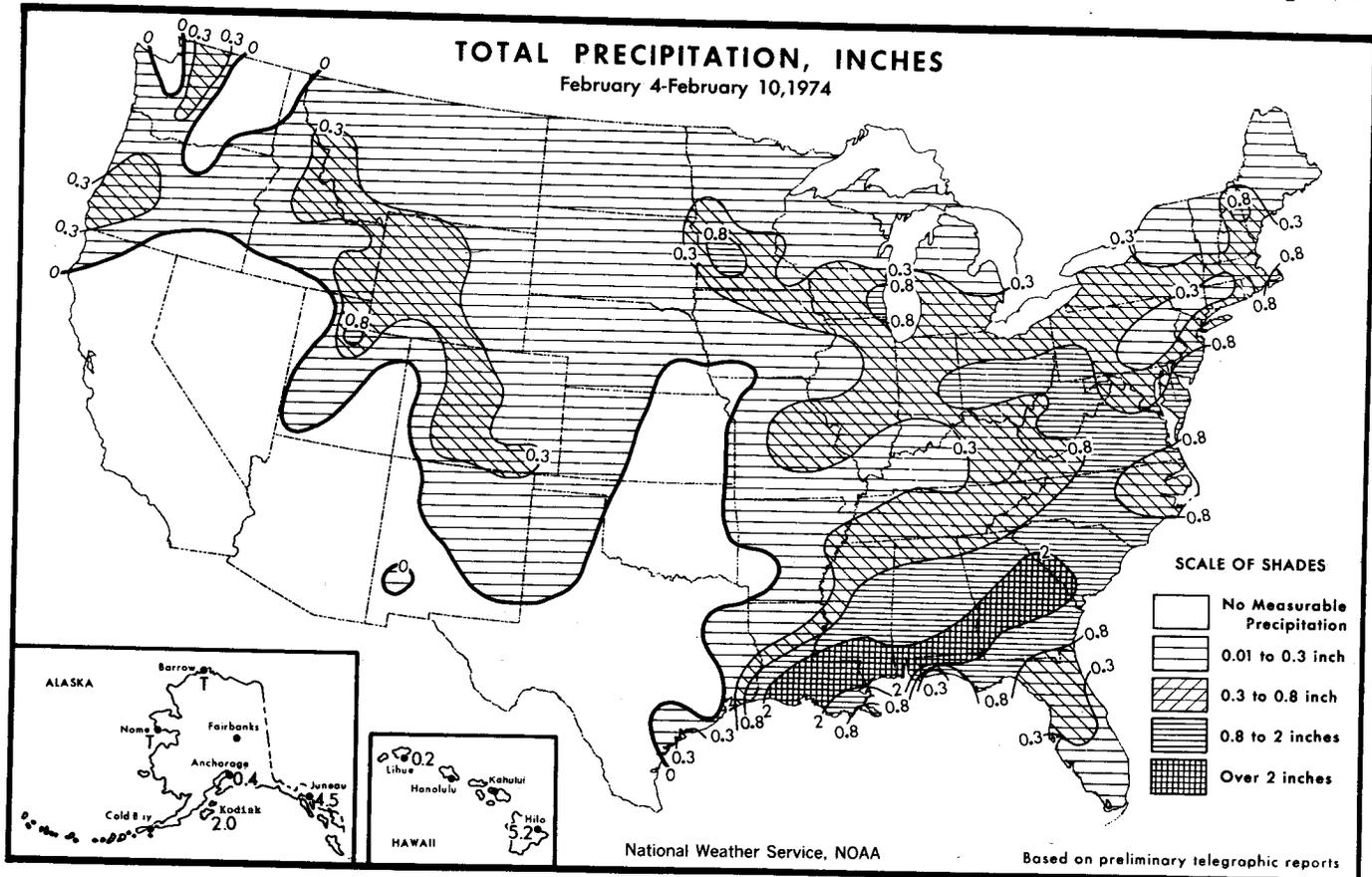
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NATIONAL WEATHER SUMMARY

HIGHLIGHTS: Winter vented its fury this week, dropping temperatures to 6° to 15° below seasonal norms over much of the Nation. Precipitation was generally light except in the Southeast, where 2.00 in. or more fell over parts of Louisiana, Mississippi, Alabama, and Georgia.

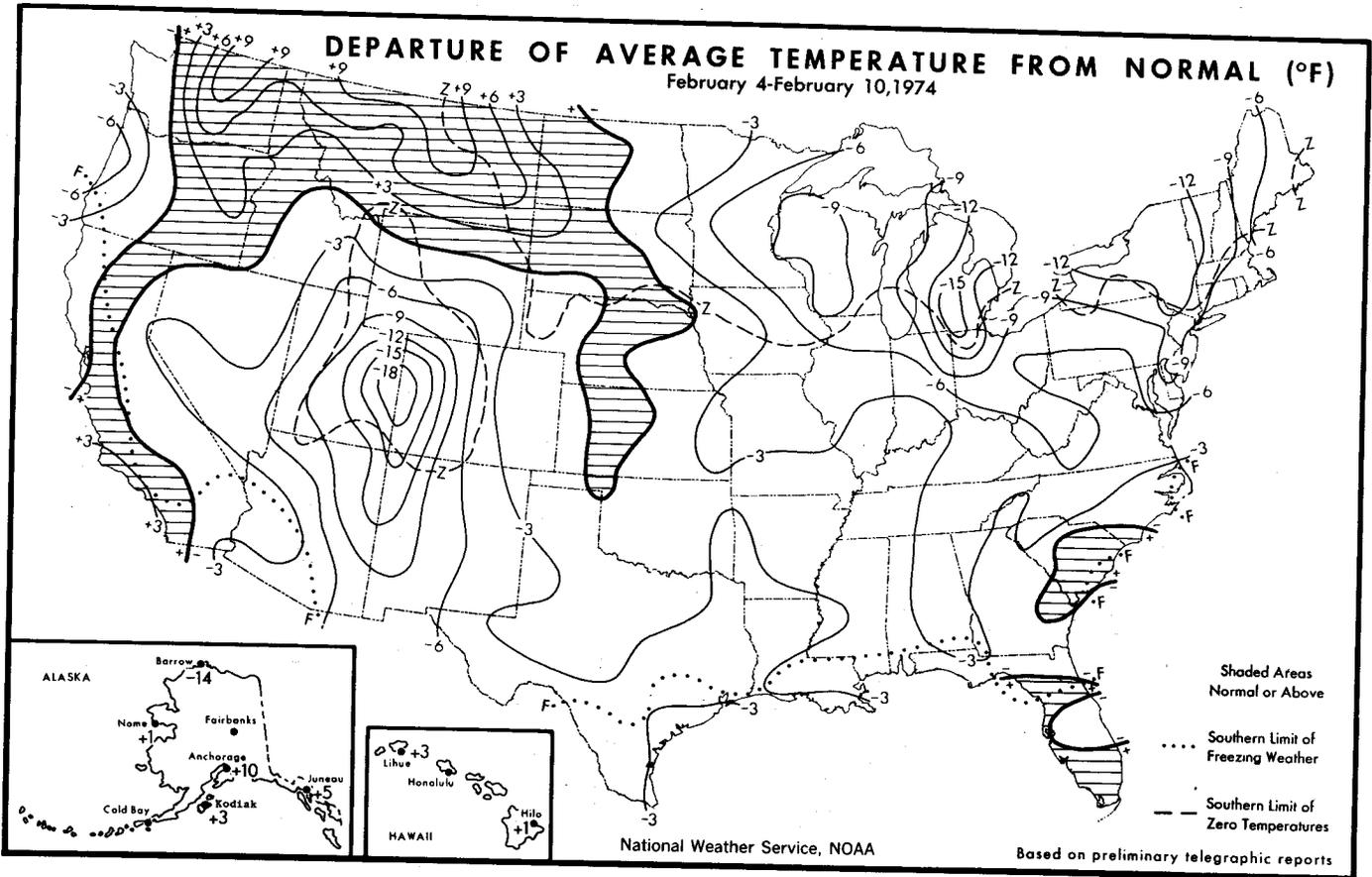
PRECIPITATION: Most of the Nation received little or no precipitation. Texas and the Desert Southwest received no moisture. Less than 0.10 in. fell over the northern Plains, although some moisture fell almost every day as snow. The Southeast received some heavy precipitation on Wednesday and Thursday with 2.00 in. or more over parts of four States.

Snow fell Monday from the northern Appalachians to the Dakotas during the day as the result of a Low in Montana and another off the New England coast. The rest of the Nation was essentially clear.

Snow continued from the northern Rockies into portions of the Ohio Valley on Tuesday. From 4 to 11 in. fell over Wisconsin in 24 hrs.

A complex frontal system that stretched from the northern Rockies through Texas and then eastward to West Virginia triggered snow, rain and thunder-showers from Colorado to the Great Lakes and over the Mississippi Valley late Tuesday and early Wednesday. The storm moved eastward during the day spreading precipitation to the Atlantic Coast. Snow persisted to the North. Milwaukee, Wisc., added 3 in. for a total of 21 in. on the ground. Snow also fell over Colorado, Montana, Kansas, and Iowa. Rain fell over the South with 3.00 in. or more in southeastern Alabama as severe thunderstorms developed over the area.

Heavy snow moved into the Northeast on Thursday, while rain continued to fall in the Southeast. Mobile, Ala., received 3.33 in. of rain in 6 hrs. Snowfall was reported from Texas to New England.



In western New York amounts of new snow averaged 4 to 6 in., with 6 to 8 in. over most of New England.

A bank of snow persisted Friday from Kansas to the Nation's Capital. Along coastal sections of New Jersey it was the first significant snowfall since 10 in. fell in January, 1970. Rain also continued in the southern Atlantic Coast States. Considerable cloudiness prevailed in the East, but fair skies generally ruled from the Plains to the West Coast. A fast moving weather system was triggering snow in the Dakota's.

The snow along the northern and middle Atlantic States ended late Friday and early Saturday. Light snow lingered in the Midwest. Some light snow reached as far south as Tennessee and Arkansas. Saturday night was quiet and clear over most of the Nation.

A low and frontal system moved rapidly south-eastward from Canada during the night bringing wind and snow to the northcentral U. S. Strong winds gusting 30 to 40 mph accompanied the snow in parts of Iowa and Minnesota. Ottumwa, Io., recorded a gust of 52 mph early Sunday afternoon. The storm system moved rapidly into the New England area by evening dropping 1 to 3 in. of new snow.

TEMPERATURE: The unusually cold temperatures of the past week continued and strengthened a trend which started the previous week. This is a sharp switch from the unusually mild temperatures that persisted during the last two weeks of January. The greatest departures occurred over the Great Lakes, New England, and the southern Rockies. Temperatures averaged 6° to 15° in these areas.

The week began with subzero cold gripping the upper midwest. Below zero temperatures prevailed through the eastern Dakota's and upper Mississippi Valley and through the northern sections of the Great Lakes into northern Maine. Grand Forks, N. D., dropped to -30°, Bemidji, Minn., reached -34°. Temperatures in the single numbers reached into southern Iowa. The colder air moved into the east during the day. Skies were clear from the South Atlantic Coast to California, but temperatures were slow to warm.

Tuesday morning readings in the 30's extended as far south as northern Florida. Temperatures in the 40's extended as far south as Ft. Myers, Fla., and just south of San Antonio, Texas. Temperatures dropped well below zero in Michigan. The Nation's morning low was -28° at Sault Ste. Marie, Mich.

Subzero temperatures stretched from central Minnesota across the northern Lakes into sections of inland New England on Wednesday. Cold air was pulled well down over the southern Plains. Temperatures in the area were only in the teens and low 20's over the Texas Panhandle after highs in the upper 50's and low 60's the day before.

Extensive cloudiness over almost the entire Nation on Thursday kept afternoon temperatures rather chilly. The only real warmth seemed to be along the eastern Gulf Coast and South Atlantic Coast. Temperature extremes ranged from 6° at Fargo, N. D., to 85° at Vero Beach, Fla.

Temperatures remained on the chilly side the rest of the week. Cold air moved into the Carolina's and Florida Friday night. Most of the area east of the Rockies continued to have below normal temperatures through the weekend.

NATIONAL AGRICULTURAL SUMMARY

AGRICULTURAL HIGHLIGHTS: Dry weather continued to hurt dryland wheat condition in the Texas High and Low Plains. Fertilizer application to small grain crops increased in most areas. Dry weather provided a good work week in California orchards and vineyards. Florida vegetable shipments increased.

SMALL GRAINS: Oklahoma winter wheat condition declined slightly as topsoils dried and cold nights limited growth. Applications of nitrogen fertilizer gained momentum in Oklahoma and Kansas. However, fertilizer was reported in short supply last week in most areas of Kansas. Some wheat on sandy soil and hill tops in northwest Kansas suffered wind damage.

Winter wheat on the moisture-starved Texas High and Low Plains continued to deteriorate and much of the dryland crop there appears beyond recovery. Elsewhere in Texas, wheat and oats are in good condition. Snow cover has melted from most Nebraska wheat fields and from many in eastern Colorado where some exposed small grain acreage is greening. In Idaho, fall seeded grains are in normal condition for this time of year.

Further west in Washington and Oregon, mild temperatures and drying weather have encouraged such fieldwork activities as liming, fertilizing, preparing land and even planting some additional wheat. Most fall seeded grains show excellent stands and are in good shape. In California, growth of small grains improved while planting continued in the Sacramento Valley.

In the South Atlantic States, most small grain crops are in good condition although there is some concern about acreage heading out prematurely due to recent warm weather.

OTHER CROPS: A few scattered fields of cotton still remained to be harvested in Oklahoma and Texas while a few acres have already been planted for the 1974 crop in the Lower Rio Grande Valley.

Rain and cold weather held tobacco plant bed work to a minimum in most South Atlantic States.

Rain halted the planting of spring potatoes in Baldwin County, Alabama, but planting progressed well in the Frio County area of Texas.

Cold nights retarded growth of sugar beets for spring harvest in Arizona, but overall growth rates were still satisfactory.

Maple syrup producers in Virginia started tapping trees last week.

FRUITS AND NUTS: Light rain fell in all areas of Florida last week benefitting citrus trees which remain in excellent shape; more rain is needed though. All types of trees are blooming in Florida and the orange harvest was very active.

In California, dry weather permitted growers to make good progress in spraying, pruning, cultivating, and fertilizing orchards and vineyards. Almond tree bloom increased and bloom began on early varieties of fruit trees in southern areas. Navel orange picking continued active in the San Joaquin Valley and southern areas. Lemon and tangerine harvests were active but grapefruit movement was slow.

The Navel orange harvest was completed in the Salt River Valley of Arizona while in Texas, Valencia orange picking gained momentum.

VEGETABLES: Florida vegetable shipments were up last week from a week earlier. Cabbage loadings increased substantially while tomatoes, celery, peppers, and sweet corn were steady. Escarole and lettuce supplies returned to previous higher levels.

A light freeze occurred in the Texas Lower Rio Grande Valley on February 8 but little or no damage has been observed in the cantaloupe crop. Harvest was active for cabbage, carrot, lettuce, and spinach crops in the southern areas and onions made good growth in all areas.

In California, lettuce movement was light and cabbage was moderate at Imperial, celery decreased in the south coast area, and carrot supplies were moderate at Imperial and Riverside.

PASTURES AND LIVESTOCK: Pasture conditions ranged from mostly good in the South Atlantic States to fair in much of the South Central Region. Most pastures from Louisiana to Georgia were too wet to graze last week. Dryness continued to restrict grazing of wheat pastures in western Oklahoma and the Texas High and Low Plains, but grazing increased in western Kansas as soils dried enough to turn in cattle.

Cattle and sheep continued in good condition generally Nationwide although supplemental feeding was required in most places. Calving and lambing gained momentum.

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

Temperature and Precipitation Data for the Week Ending Midnight, L.s.t., Feb. 10, 1974

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	42	- 4	1.3	+ .1	La. Baton Rouge . . .	52	- 1	2.4	+1.3	Youngstown . . .	18	- 8	.6	0
Mobile . . .	51	- 2	4.8	+3.8	Lake Charles . . .	51	- 3	2.0	+1.0	OKLA. Okla. City . . .	38	- 2	T	-.4
Montgomery . . .	46	- 3	1.2	+ .2	New Orleans . . .	52	- 3	1.0	0	Tulsa . . .	38	- 2	T	-.5
ALASKA Anchorage . . .	26	+10	.4	+ .2	Shreveport . . .	45	- 4	.1	-1.0	OREG. Astoria . . .	39	- 4	.1	-2.1
Barrow . . .	-32	-14	T	-.1	MAINE Caribou . . .	5	- 6	T	-.5	Burns . . .	32	+ 2	T	-.4
Fairbanks . . .	32	+ 5	4.5	+3.7	Portland . . .	17	- 5	.3	-.7	Medford . . .	39	- 1	.1	-.6
Juneau . . .	34	+ 3	2.0	---	MD. Baltimore . . .	26	- 8	.4	-.3	Pendleton . . .	41	+ 4	.1	-.2
Kodiak . . .	6	+ 1	T	-.3	MASS. Boston . . .	21	- 8	.4	-.5	Portland . . .	39	- 3	T	-1.0
Nome . . .	6	+ 1	T	-.3	Chatham . . .	26	---	.9	---	Salem . . .	36	- 6	.3	-1.0
ARIZ. Flagstaff . . .	26	- 4	0	-.4	MICH. Alpena . . .	5	-12	.1	-.3	PA. Allentown . . .	21	- 7	.2	-.5
Phoenix . . .	53	- 1	0	-.2	Detroit . . .	14	-11	.7	-.2	Erie . . .	16	- 8	.6	-.4
Tucson . . .	49	- 4	0	-.2	Flint . . .	10	-12	.3	+ .2	Harrisburg . . .	25	- 6	.2	-.5
Winslow . . .	27	-10	0	-.1	Grand Rapids . . .	12	-11	.3	-.1	Philadelphia . . .	22	-11	.8	+ .1
Yuma . . .	54	- 4	0	-.1	Houghton Lake . . .	8	- 9	.2	-.1	Pittsburgh . . .	23	- 5	.5	+ .3
ARK. Fort Smith . . .	38	- 4	T	-.8	Lansing . . .	7	-16	.5	+ .1	Scranton . . .	14	-12	.1	-.4
Little Rock . . .	41	- 1	T	-1.1	Marquette . . .	11	- 7	.1	-.3	R.I. Providence . . .	21	- 7	.6	-.2
CALIF. Bakersfield . . .	51	0	0	-.3	Muskegon . . .	13	-11	.6	+ .1	S.C. Charleston . . .	50	0	1.6	+ .8
Eureka . . .	46	- 2	T	-1.4	S. Ste. Marie . . .	5	- 9	.1	-.3	Columbia . . .	49	+ 2	1.2	+ .4
Fresno . . .	48	- 1	0	-.5	MINN. Duluth . . .	2	- 8	.2	-.1	Greenville . . .	39	- 4	1.8	+ .8
Los Angeles . . .	60	+ 3	0	-.6	Internatl Falls . . .	1	- 3	.1	-.1	S.D. Aberdeen . . .	10	- 3	T	-.2
Red Bluff . . .	50	+ 1	0	-.8	Minneapolis . . .	7	- 7	.4	+ .2	Huron . . .	16	0	.1	-.1
San Diego . . .	59	+ 3	0	-.5	Rochester . . .	6	- 9	.2	0	Rapid City . . .	27	+ 2	.2	+ .1
San Francisco . . .	50	- 1	0	-.9	St. Cloud . . .	3	- 8	.3	+ .1	Sioux Falls . . .	15	- 2	.1	-.1
Stockton . . .	48	0	0	-.6	MISS. Jackson . . .	45	- 4	1.0	-.2	TENN. Chattanooga . . .	39	- 3	.7	-.6
COLO. Denver . . .	29	- 3	.3	+ .1	Meridian . . .	47	- 2	1.0	-.2	Knoxville . . .	37	- 5	.6	-.5
Grand Junction . . .	12	-20	T	-.2	MO. Columbia . . .	29	- 3	.5	0	Memphis . . .	41	- 1	.5	-.8
Pueblo . . .	31	- 3	.1	0	Kansas City . . .	28	- 3	T	-.3	Nashville . . .	37	- 3	.6	-.6
CONN. Bridgeport . . .	21	- 9	.5	-.3	St. Louis . . .	30	- 4	.7	+ .2	TEX. Abilene . . .	45	- 2	0	-.3
Hartford . . .	17	- 8	.2	-.6	Springfield . . .	34	- 2	.1	-.5	Amarillo . . .	36	- 2	.1	0
D.C. Washington . . .	32	- 4	.5	-.1	MONT. Billings . . .	32	+ 6	.2	0	Austin . . .	49	- 3	T	-.6
FLA. Apalachicola . . .	55	0	1.0	+ .1	Glasgow . . .	21	+ 8	.1	0	Beaumont . . .	49	- 5	1.7	+ .5
Daytona Beach . . .	60	+ 1	.1	---	Great Falls . . .	29	+ 4	.2	0	Brownsville . . .	59	- 3	0	-.4
Ft. Myers . . .	66	+ 2	T	-.5	Havre . . .	26	+10	T	-.1	Corpus Christi . . .	55	- 3	T	-.4
Jacksonville . . .	54	- 1	.6	-.1	Helena . . .	29	+ 5	.2	+ .1	Dallas . . .	---	---	---	---
Key West . . .	72	+ 1	.3	-.2	Kalispell . . .	30	+ 7	.2	-.1	Del Rio . . .	49	- 5	0	-.2
Lakeland . . .	60	+ 1	.4	-.2	Miles City . . .	28	+ 8	.1	0	El Paso . . .	40	- 7	T	-.1
Miami . . .	70	- 3	T	-.4	MISS. S. Scola . . .	27	+ 2	.4	+ .2	Fort Worth . . .	46	- 1	0	-.5
Orlando . . .	60	- 1	.3	-.2	NEBR. Grand Island . . .	25	- 1	T	-.2	Galveston . . .	54	- 1	.1	-.8
Tallahassee . . .	51	- 3	.8	-.2	Lincoln . . .	24	- 2	T	-.2	Houston . . .	49	- 5	T	-.9
Tampa . . .	61	0	.3	-.4	Norfolk . . .	22	0	.1	-.1	Lubbock . . .	38	- 4	T	-.2
W. Palm Beach . . .	67	+ 1	T	-.4	N. Platte . . .	28	+ 1	T	-.1	Midland . . .	44	- 2	0	-.1
GA. Atlanta . . .	41	- 3	1.4	+ .4	Omaha . . .	22	- 2	T	-.2	San Angelo . . .	47	- 2	0	-.3
Augusta . . .	46	- 1	2.4	+1.6	Valentine . . .	22	- 1	.1	-.1	San Antonio . . .	50	- 3	0	-.4
Macon . . .	48	- 1	2.6	+1.6	NEV. Ely . . .	24	- 3	T	-.2	Victoria . . .	54	- 2	.2	-.4
Savannah . . .	51	0	1.5	+ .6	Las Vegas . . .	45	- 3	0	-.1	Waco . . .	46	- 4	0	-.5
HAWAII. Hilo . . .	72	+ 1	5.2	+1.8	Reno . . .	33	- 3	0	-.2	Wichita Falls . . .	45	0	T	-.3
Honolulu . . .	---	---	---	---	Winneucca . . .	32	- 1	0	-.2	UTAH. Blanding . . .	19	-12	0	-.3
Kahului . . .	---	---	---	---	N.H. Concord . . .	11	-10	.4	-.2	Salt Lake City . . .	24	- 8	.8	+ .5
Lihue . . .	74	+ 3	.2	-1.4	N.J. Atlantic City . . .	24	- 9	1.3	+ .5	VT. Burlington . . .	5	-12	.2	-.3
IDAHO. Boise . . .	36	+ 2	.2	-.1	Trenton . . .	23	- 9	.7	T	VA. Lynchburg . . .	31	- 6	1.1	+ .4
Lewiston . . .	40	+ 4	T	-.2	N.MEX. Albuquerque . . .	32	- 7	T	-.1	Norfolk . . .	38	- 3	.6	-.2
Pocatello . . .	25	- 3	.4	+ .1	Roswell . . .	37	- 4	T	-.1	Richmond . . .	33	- 5	.9	+ .1
ILL. Cairo . . .	36	- 2	.1	-1.0	N.Y. Albany . . .	9	-13	.5	-.1	Roanoke . . .	31	- 6	.8	0
Chicago . . .	18	- 8	.6	+ .2	Binghamton . . .	12	-10	.4	-.1	WASH. Colville . . .	34	+ 6	0	-.4
Moline . . .	19	- 5	.2	-.1	Buffalo . . .	13	-10	.5	-.2	Omak . . .	36	+11	0	-.3
Peoria . . .	22	- 4	.2	-.2	New York . . .	23	- 9	.3	-.4	Quillayute . . .	39	- 2	.1	-3.2
Rockford . . .	15	- 7	.4	0	Rochester . . .	11	-13	.4	-.2	Seattle-Tacoma . . .	40	- 2	T	-1.1
Springfield . . .	26	- 3	.7	+ .2	Syracuse . . .	10	-13	.3	-.5	Spokane . . .	35	+ 5	0	-.5
IND. Evansville . . .	34	0	.1	-.8	N.C. Asheville . . .	37	- 1	.7	-.1	Walla Walla . . .	41	+ 3	.1	-.3
Ft. Wayne . . .	15	-11	.6	0	Charlotte . . .	39	- 4	1.4	+ .6	Yakima . . .	40	+ 6	0	-.2
Indianapolis . . .	26	- 3	.8	+ .2	Greensboro . . .	35	- 5	1.2	+ .4	W. Va. Beckley . . .	26	- 6	.6	-.3
South Bend . . .	18	- 7	.6	+ .1	Hatteras . . .	43	- 2	.7	-.2	Charleston . . .	29	- 6	.9	0
IOWA. Burlington . . .	21	- 4	T	-.4	Raleigh . . .	38	- 3	.6	-.2	Huntington . . .	30	- 5	.6	-.3
Des Moines . . .	20	- 2	T	-.3	Wilmingon . . .	47	0	.9	+ .1	Parkersburg . . .	28	- 6	.7	-.1
Dubuque . . .	11	- 9	.6	+ .2	N.DAK. Bismarck . . .	11	0	.1	0	WIS. Green Bay . . .	9	- 7	.2	0
Sioux City . . .	22	+ 1	.1	-.1	Fargo . . .	7	- 1	.2	+ .1	La Crosse . . .	10	- 8	.6	+ .4
KANS. Concordia . . .	30	0	T	-.2	Williston . . .	13	+ 1	.1	0	Madison . . .	9	-10	.5	+ .2
Dodge City . . .	35	+ 1	T	-.1	OHIO. Akron-Canton . . .	21	- 6	.7	+ .1	Milwaukee . . .	16	- 5	1.2	+ .8
Goodland . . .	29	- 1	.2	+ .1	Cincinnati . . .	27	- 5	.4	-.4	WYO. Casper . . .	22	- 4	.2	0
Topeka . . .	29	- 3	T	-.2	Cleveland . . .	19	- 8	1.0	+ .4	Cheyenne . . .	26	- 3	T	-.1
Wichita . . .	33	- 2	T	-.2	Columbus . . .	23	- 6	1.4	+ .8	Lander . . .	21	- 3	.6	+ .4
KY. Lexington . . .	31	- 3	.5	-.4	Dayton . . .	22	- 7	.9	+ .2	Sheridan . . .	27	+ 2	.2	0
Louisville . . .	33	- 1	.1	-.8	Toledo . . .	12	-14	.7	+ .2	P.R. San Juan . . .	78	+ 3	T	-.8

Based on 1941-70 normals.

CONDENSED STATE SUMMARIES

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

ALABAMA: Heavy rains accompanied cold front across State Thursday. Heaviest amounts southeast Wednesday night; Headland 5.00 in., Dothan 4.36 in., Enterprise 4.16 in. Snow flurries north Friday followed by clear and cold weekend.

Rain and wet ground delayed spring plowing. Only 2 days suitable for plowing in driest fields. Cold weather late week required additional care and feeding of livestock and poultry. Small grain prospects continued favorable but provided limited grazing since most fields too wet to support livestock. Growers need open weather to apply nitrogen to acreage for grain. Rain halted planting spring potatoes Baldwin County area. Cold weather provided additional chilling time necessary for good peach crop. Livestock fair to good.

ARIZONA: Dry except for midweek snow traces White Mountains, northeast plateaus. Temperatures 1° to 5° subnormal south, 4° to 9° subnormal north. Warmest Monday, again Sunday, highs 70° desert areas, 50° in mountains. Cold Thursday, Friday lows 10° below, zero in White Mountains, 25° to 35° southwest deserts. Humidity last half of week very low, 5 to 9% Salt River Valley.

Limited small grain planting continued. Good growth continued warmer desert areas. Some acreage approaching jointing stage. Growth slowed in higher elevation fields by cold nights. Safflower crop progressing satisfactorily, some late planting remaining. Old cotton crop in final clean-up stage. Field preparations 1974 crop well advanced. Spring harvest sugar beet crop growth retarded by cold nights, overall growth still satisfactory.

Harvest lettuce continued Yuma. Market conditions improved; supplies, quality good. Mixed vegetable harvest continued Yuma, Salt River Valley. Immature plantings for later harvest made good growth. Lettuce planting good progress central areas. Harvest grapefruit, lemons continued Yuma, Salt River Valley. Lemon harvest virtually complete. Navel orange harvest complete Salt River Valley. Few sweets, tangerines being picked. Early bloom prevalent warmer areas. Protection low temperatures required some areas Yuma County. Limited frost damage evident unprotected groves Wellton-Mohawk area. Citrus groves remain good condition.

Ranges poor to fair most areas. Not much snow northeast area, possible low runoff this spring. Precipitation needed southeast. Desert ranges require rainfall to increase grazing capacity. Cattle, calves fair to good. Calving activity increased. Sheep, lambs fair.

ARKANSAS: Temperatures normal to slightly below normal with greatest departure 5° below at Mountain Home. Extremes: 74° at El Dorado and Pine Bluff on 6th and 15° at Gilbert on 11th. Warm first of week, cold midweek, warming trend last of week. Abnormally dry with only scattered light precipitation. Greatest was 0.26 in. at Clarendon on 6th.

Warm, sunny days dried soils permitting farmers to do some plowing for spring planted row crops. Most cattle are on full feed in west. Very little feed being obtained from pastures. Farmers continued to topdress small grains as fertilizer became available.

CALIFORNIA: Dry week. Only one station reported measurable precipitation. Strong, gusty north to northeast wind early week resulted in very dry air. Overnight low temperatures dropped to freezing or lower all areas except south coast. Many southern stations into upper 70's.

Warm, windy weather drying fields. Growth small grains improved, planting continued Sacramento Valley. Weed control active. Digging overwintered sugar beets started. Safflower planting started. Field preparation for spring planting increased. Dry weather permitted growers good progress in spraying, pruning, cultivating and fertilizing orchards and vineyards. Almond bloom increased. Bloom just beginning southern areas on early varieties of apricots, plums, prunes, and peaches. Navel orange harvest continued active San Joaquin Valley and south. Lemon and tangerine harvests continued. Grapefruit movement slow.

Avocado harvest full swing south, wind damaged some mature fruit during week. Artichoke seasonally light central coast. Asparagus slow desert. Broccoli light central coast. Cabbage moderate Imperial. Carrots moderate Imperial, Riverside. Cauliflower light central coast, bay area. Light strawberry started San Diego. Ground preparation underway processing tomatoes, planting reported westside. Celery decreased south coast. Lettuce light Imperial.

Range feed made good growth. However, early morning frost continued to retard growth somewhat. Wind drying ranges and pastures north. Supplemental feeding continued. Soil moisture, stockwater adequate. Cattle, calves, sheep, lambs good to excellent. Lambing, calving underway. Heavy calving north. Some lambs lost from past cold spell, warming trends improved conditions. Movement of bees into almonds heavy; should be nearly complete. Egg production off, hens being forced into molt.

COLORADO: Two separate snow storms on the 5th and again on 7th. First storm dropped 4 to 6 in. of snow in Denver, 8 in. in La Junta and 11 in. in Walsenburg. Next system on Thursday dropped less than 1 in. most places. Both systems affected mainly eastern plains and foothill areas. Mountains had intermittent snow flurries most of week in mountains with west receiving little moisture.

Temperatures well below normal western valleys. Grand Junction's high for week 29°. Mean temperature for Gunnison was 3° below zero. Mildest in State was 68° at La Junta. Lowest minimum was 35° below zero at Gunnison. Statewide precipitation amounts were light with highest average over the Platte. Lightest average in Rio Grande.

Light to moderate snow eastern plains increased feeding of livestock. Warm temperatures late week and weekend melted snow. Small grains greening in areas with no snowcover. West slope snow cover holding due cold temperatures. Livestock generally good eastern plains but showing signs stress west slope. Hay and forage supplies sufficient for needs.

FLORIDA: Temperatures averaged few degrees below normal. Cold early week and again at end. Rainfall moderate to locally heavy over north and northwest and light to locally moderate elsewhere. Fieldwork progressed satisfactorily. Soil mois-

ture excessive northern areas and panhandle, short to very short most other areas. Small grains top-dressed, excessive growth evident. Sugarcane harvest active. Pastures poor to good. Cattle, calves fair to good.

Tree condition continued excellent--rainfall all areas--more needed--bloom on all types and ages--full bloom not yet reached. Orange harvest very active. Vegetable shipments up from last week. Cabbage loadings increased substantially. Tomatoes, celery, peppers, sweet corn, steady. Escarole, lettuce returning to previous higher levels. Snap beans, radishes increased. Other vegetables available in variable supply.

GEORGIA: Temperatures averaged 5° to 9° above normal. Warm except for cool snap on 4th and 5th. Rainfall heavy, averaging 2.00 to 5.00 in. occurring mainly on 7th and 8th. Clearing and much colder over weekend with subfreezing temperatures most of State.

Soil moisture excessive. Small grains mostly good. Farmers concerned about small grains heading out due to warm weather. Pastures mostly good. Cattle good.

HAWAII: Weather improved throughout State but field preparations still slow and difficult in some areas. Progress of crops fair to good. Harvest prospects up for some crops. Spraying heavy to prevent diseases. Banana and papaya supplies sufficient. Pastures and cattle in good condition. Sugar operation slack. Harvesting of pineapple active for fresh fruit market.

IDAHO: Light snow early week in higher mountains and Upper Snake River Valley and rain in lower valleys. Clearing skies and colder temperatures for rest of period and into weekend. Highs in 40's to 50's, lows mostly teens with zero and below in east. Temperatures averaged above normal and precipitation below normal except at Idaho Falls and Pocatello.

Drier weather most areas during week improved conditions for calving, lambing, and feeding of livestock. Calving underway all areas, increasing northern and higher elevation areas. Lambing of farm flocks well along south and east areas, range flocks started. Roughage feed supplies short north, adequate other areas. Some greening of pasture feed on south slopes at lower elevations. Livestock movement limited by trucker's strike. Fall seeded grain crops in normal condition. Last of sugar beets being dug. Some application of fertilizer during early morning while ground frozen.

ILLINOIS: Temperatures 2° to 9° subnormal. Late week quite cold, subzero readings north portions Friday. Warmest early in week, upper 50's south portions. Precipitation moderate to heavy most areas, rain or snow everyday. Heavy snowfalls over 4 to 6 in. north portions Tuesday. Rain up to 0.50 in. Tuesday south portions. Main activities livestock care, routine farm chores.

INDIANA: Cool week. Temperatures averaged 5° subnormal and ranged from 1° at Ft. Wayne on 10th to 58° at Evansville on 6th. Snow cover and ice of 2 to 6 in. with some drifting in central and north caused difficult travel. Soils frozen 2 to 4 in. south, 8 to 12 in. north, deepest of Winter.

Return to wintery conditions kept outside farm work to a minimum. Usual chores and caring for livestock major activities, but soils frozen enough to permit some liming.

IOWA: Temperatures averaged 2° subnormal southwest third, 5° to 9° subnormal northeastern third. Extremes: 13° below zero at Cresco on the 5th, 42° at Lamoni also on 5th.

Very light snowfall all areas sometime during week. A storm system crossing Missouri on 6th gave brief freezing rain southeast corner and snow east, greatest around 4 in. Dubuque County. Gusty northerly winds 25 to 50 mph blew across State Sunday.

KANSAS: Temperatures slightly above normal west and little below normal east. Monday warmest day, in mid-60's west. Cold front brought colder air Wednesday with highs in 20's and 30's. Weather moderated Thursday through Sunday, week ended in 50's. Almost all week's precipitation fell Tuesday night and early Wednesday morning with few hundredths west and traces east.

Nitrogen topdressing of wheat gained momentum. Fertilizer supply short most areas. Some blowing of wheat on sand and hill tops in northwest. Spring plowing, irrigation southwest and fertilization of cool season grasses in east. Calving and farrowing progressing normally. Firmer soils permitting utilization of wheat pasture in west. Other activities: searching for fertilizer supplies, buying seed and preparing machinery for spring season.

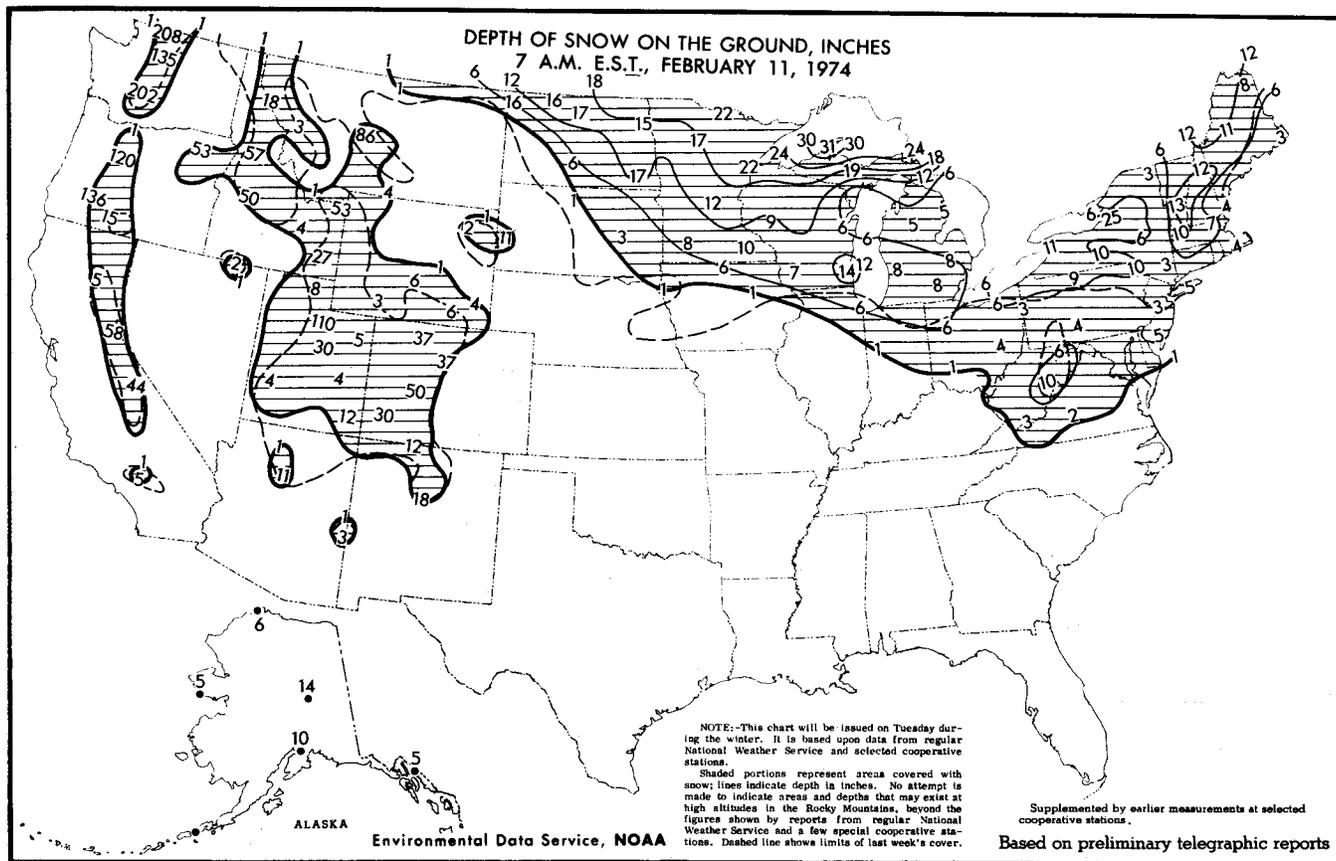
KENTUCKY: Fair early week followed by showers Wednesday. Snow Friday, totals over 3 in. east, flurries over weekend. Mild at beginning, colder last half of week. Temperatures averaged near or slightly below normal. Total precipitation mostly less than 0.50 in.

Weather slowed farm activity. Wet ground limited land preparation. Livestock still needed winter care and supplemental feeding. Lower temperatures slowed vegetative development saving possible freeze losses later in season. Lexington only burley tobacco market open.

LOUISIANA: Temperatures 1° to 4° subnormal. Warming trend first half week followed by new outbreak cold air. Freezes Saturday and Sunday mornings most areas. Extremes: 80° at Monroe Wednesday and 25° at Monroe Saturday and Shreveport Sunday. Precipitation moderate to heavy midweek in advance of cool front. Weekly totals from less than 0.25 in. portions of north and coastal parishes to more than 2.00 in. some areas from southwest into central. Greatest 1-day total reported, 3.30 in. at Lafayette Thursday morning.

MARYLAND AND DELAWARE: Cold week. Temperatures near or below normal. Highs ranged from low 40's to 60° and lows from 3° to 20°. Precipitation reported over 2 States with areas reporting from 0.25 to over 1.50 in. Heaviest on Eastern Shore. Snow on Friday, with amounts from 3 to 7 in. over 2 States. Weekend clear and cold. Farm work limited mainly to inside jobs and livestock care. Lower temperatures required extra care for young calves, lambs and pigs. Livestock feed supplies adequate.

MICHIGAN: Temperatures remained below freezing throughout week. Warmest Sunday with near 30° much of southern lower and coldest near weekend with lows down to 20° below zero central lower which tied daily record low at Lansing and down to 26° below zero west central upper. Temperatures averaged 8° to 16° subnormal lower and 6° to 13° subnormal upper. Frequent snows. Heaviest Wednesday when 2 to 5 in. fell southern lower Wednesday and 1 to 2 in. most lower Sunday. No significant snow accumulated upper peninsula.



MINNESOTA: Temperatures near normal extreme north and along western border areas. Elsewhere from 5° to 15° subnormal with greatest departure over southeast quarter. Coldest was 34° below zero at Bemidji and Warroad on 4th. Snow fell somewhere in State daily, heaviest amounts on 4th and again on 9th and 10th. Water content total ranged from 0.10 in. extreme north and extreme southwest upward to nearly 0.50 in. eastcentral.

Snow depth totals range from 2 in. southwest to 20 in. or more northeast. Frost penetration generally 18 to 24 in. under snow. Water content contained within total snow cover less than 1.50 in. upper Minnesota River Valley and Red River Valley; 1.75 to 3.00 in. over upper Mississippi River upstream from Minneapolis. Farm chores continued normal. Transportation of agricultural products at a standstill due to energy crisis.

MISSISSIPPI: Mild to warm until cold arrived Thursday and Friday. Some stations central and north reported snow. Rains south and along coast prevalent early week. Upper Delta and north received about 1.00 in., most falling early week. Temperatures for week averaged about 3° above normal. Cold continued into weekend with light showers over about 50% of State. Sunday dry and cool. Soil moisture supplies surplus. Only 0.4 day suitable for fieldwork. Hay and roughage supplies mostly adequate, feed grain supplies short. Wheat, oat and pasture conditions mostly fair. Livestock fair to good.

MISSOURI: Temperatures averaged from 3° to 6° subnormal with only one warm period on the 5th when readings ranged from upper 40's to low 60's. Frequent periods of light snow or rain,

precipitation totals mostly ranging from a trace to 0.50 in.

MONTANA: Mild week. Temperatures averaged about 10° above normal. A little new snow all divisions early week with locally heavy amounts southwest. Spotty areas of above normal precipitation west portion. Dry, mild weather returned over weekend with highs in 40's and 50's east of Divide.

Mild temperatures ideal for early lambing and calving. Livestock condition remained good. Some grazing available stubble fields and hay meadows. Most livestock receiving supplemental feed. Main farm activities: Care of livestock and marketing grain.

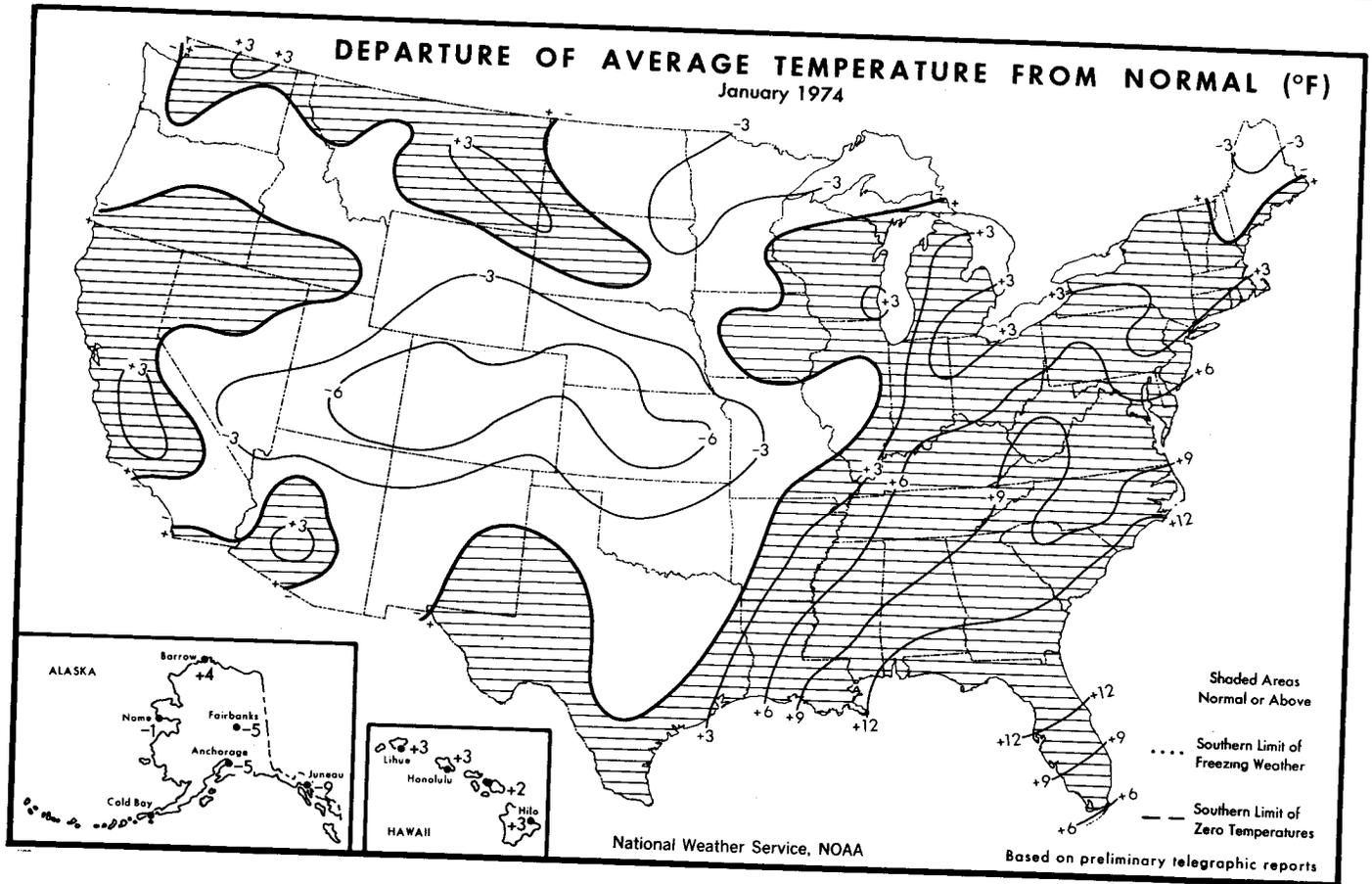
NEBRASKA: Temperatures averaged near or slightly above normal. Warm beginning and end of week, below normal temperatures midweek. Precipitation rather insignificant falling as light snow. Winter wheat has lost almost all snow cover. Livestock good but feedlots and pens muddy. Calving, lambing, and farrowing continued.

NEVADA: Maximum and minimum temperatures averaged near normal. Extremes: Precipitation sparse. Owyhee with 2 in. only station being snow on ground.

Mild weather eased winter strain on livestock. Cattle and sheep continued good to excellent condition. Stockwater, feed supplies adequate. Early calving and lambing underway.

NEW ENGLAND: Alternating periods of cloudy then clear weather. Some snow or snow flurries daily in some part. Heaviest snow 4 to 8 in. fell

(Continued on Page 11)



TEMPERATURE: Extremes were the general rule in January over the Nation with record cold the first two weeks, and record warmth the last two in most areas. Overall, temperatures averaged 3° to 12° warmer than normal east of the Mississippi and 1° to 4° warmer in parts of the Far West. The Central Great Plains and Rocky Mountain States averaged 3° to 6° below normal. The weather provided a big boost to those concerned with heating fuel supplies since 8 out of 10 U.S. homes are located in the warmer than normal areas (see p.13).

Extreme cold gripped most of the Nation the first two weeks as a series of High pressure systems pushed frigid Arctic air to our southern borders. Temperatures averaged at least 10° below normal from the Sierra's to the Appalachians, and more than 30° below normal in parts of Wyoming, Colorado and Nebraska. New Year's Day morning, International Falls, Minn., registered a cool -37° the week ending the 6th averaged -9° at Casper, Wyo., 32° below the normal. The first seven days of January, 1974 were the coldest in 43 years of record at Kansas City. Bismarck, N.D., registered -40° on the 9th, and -42° on the 12th.

At mid-month a warming trend began which quickly broke one of the long cold spells of record in many Plains States. Sheridan, Wyo., reached a record breaking 60° on the 15th. Pendleton, Ore., recorded 68° on the 16th, the warmest January temperature on record.

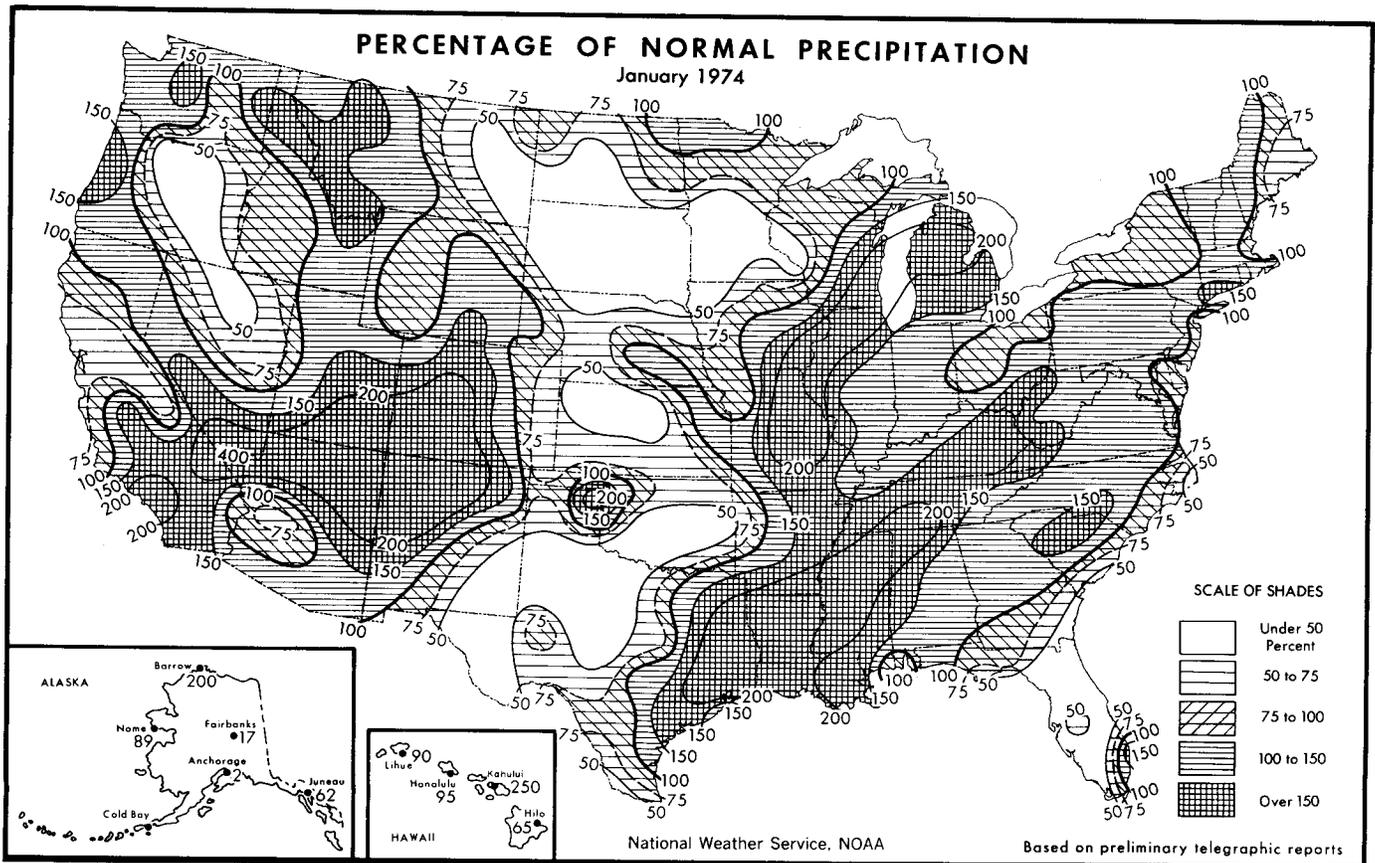
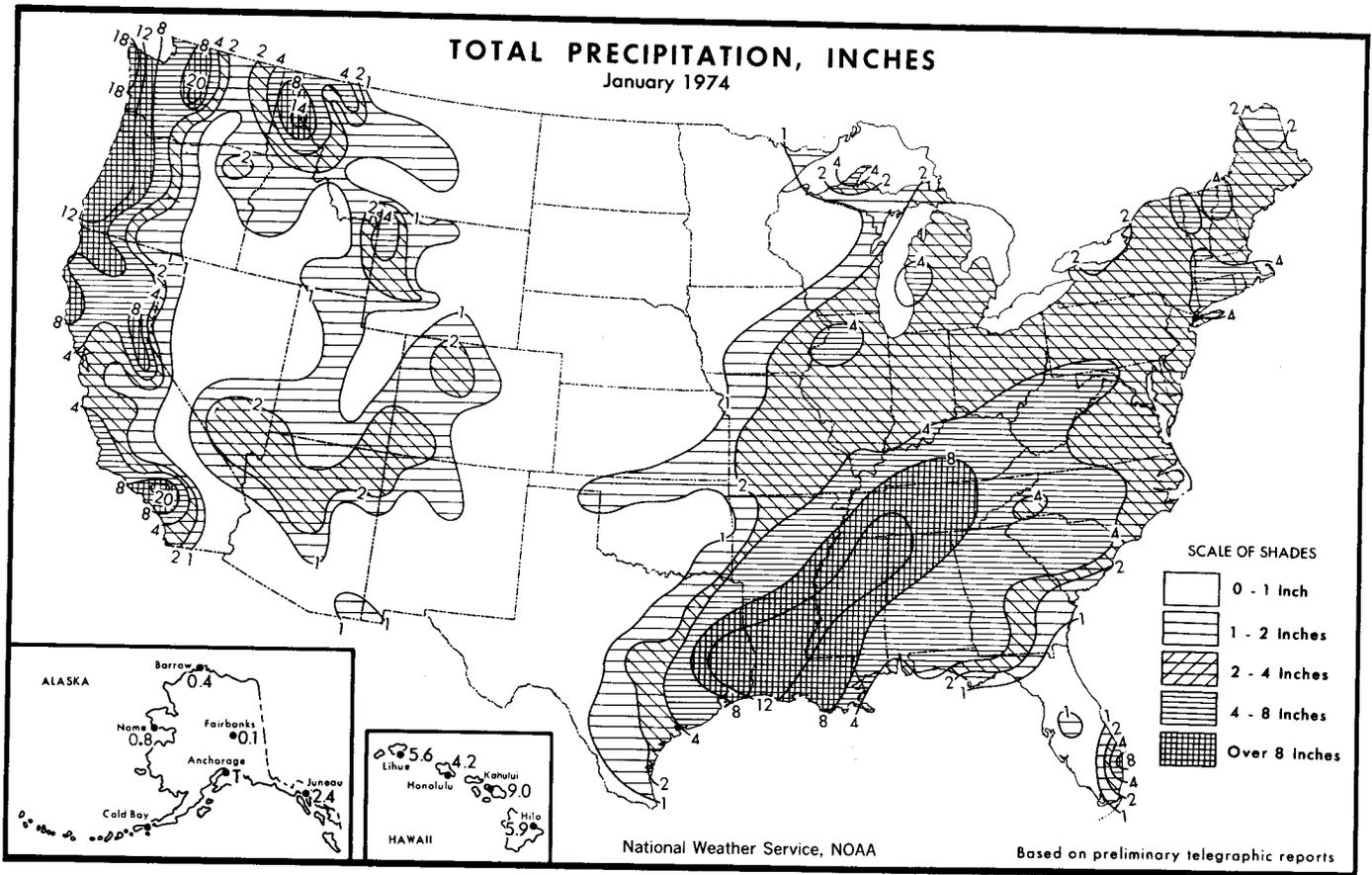
The last decade of the month continued exceptionally warm as temperatures averaged 6° to 18° above normal over most of the Nation. Many all-time high temperature records were broken as warm tropical air dominated the weather picture.

PRECIPITATION: Total precipitation was about normal

over most of the Nation in January. Unusually heavy precipitation was confined to the length of the Mississippi River Valley and parts of the Desert Southwest. The northern and southern portions of the Great Plains and eastern Oregon and Nevada were the only areas much drier than normal. Heaviest amounts included 12.69 in. (318 percent of normal) at Lake Charles, La., 14.74 in. (244 percent of normal) at Vicksburg, Miss., and 15.41 in. at Mullen, Idaho. The Oregon-Washington coast received 12.00 to 14.00 in., which is slightly above normal. Las Vegas, Nev., received only 2.00 in., but this is four times the normal rainfall and the wettest ever since 1949 when a record 2.49 in. fell. Parts of four States in a band stretching eastward from Las Vegas received at least three times the expected rainfall.

The first two weeks of January saw light precipitation over much of the Country except for parts of the southeast and southern California. At least 2.00 in. fell from the Louisiana coast northeastward into Kentucky and the Carolinas. A Low pressure system moved down along the California coast, bringing unusually heavy rains to southern portions of the State and as far inland as Nevada and Arizona. Los Angeles, Cal., received 4.34 in. of rain in 2 days and a total of 8.33 in. for the month. This heavy precipitation continued well into the second week of the month.

Heavy rains of 2.00 in. or more each week persisted through the month in the Lower Mississippi River Valley. By mid-month more typical weather returned to the southwest, but rainfall increased along the Washington coast. During the last week considerable severe weather and flooding occurred in Louisiana, Mississippi and northeastward through Appalachia.



Temperature and Precipitation Data for January 1974

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	53	+ 9	6.9	+2.1	La. Baton Rouge . . .	61	+10	8.3	+3.9	Youngstown . . .	30	+ 4	2.8	- .1
Mobile . . .	64	+13	3.9	+ .8	Lake Charles . . .	58	+ 6	12.7	+8.7	OKLA. Okla. City . . .	35	- 2	.1	-1.0
Montgomery . . .	58	+10	5.6	+1.6	New Orleans . . .	63	+10	8.5	+4.0	Tulsa . . .	34	- 3	.8	- .6
ALASKA. Anchorage . . .	7	- 5	T	- .8	Shreveport . . .	49	+ 2	10.1	+6.1	OREG. Astoria . . .	39	- 2	12.5	+2.8
Barrow . . .	-11	+ 4	.4	+ .2	MAINE. Caribou . . .	7	- 4	1.9	- .1	Burns . . .	27	+ 2	.8	-1.0
Fairbanks . . .	-17	- 5	.1	- .5	Portland . . .	23	+ 1	3.4	0	Medford . . .	39	+ 2	4.3	+ .9
Juneau . . .	15	- 9	2.4	-1.5	MD. Baltimore . . .	38	+ 5	2.9	0	Pendleton . . .	30	- 2	.8	- .8
Kodiak . . .	5	- 1	.8	- .1	MASS. Boston . . .	32	+ 3	3.2	- .5	Portland . . .	38	0	8.5	+2.6
Nome . . .	5	- 1	.8	- .1	Chatham . . .	35	- 1	4.5	- .1	Salem . . .	38	- 1	10.9	+4.0
ARIZ. Flagstaff . . .	28	0	3.6	+1.7	MICH. Alpena . . .	21	+ 3	3.0	+1.3	PA. Allentown . . .	31	+ 3	3.7	+ .7
Phoenix . . .	54	+ 3	.6	- .1	Detroit . . .	27	+ 2	3.3	+1.4	Erie . . .	30	+ 5	2.5	0
Tucson . . .	50	+ 1	.9	+ .1	Flint . . .	25	+ 3	2.6	+ .9	Harrisburg . . .	35	+ 5	3.8	+1.2
Winslow . . .	32	- 1	.8	+ .4	Grand Rapids . . .	26	+ 3	3.2	+1.3	Philadelphia . . .	36	+ 4	3.0	+ .2
Yuma . . .	55	0	.6	+ .2	Houghton Lake . . .	20	+ 3	3.1	+1.6	Pittsburgh . . .	34	+ 6	3.5	+ .7
ARK. Fort Smith . . .	38	- 1	1.0	-1.4	Lansing . . .	25	+ 2	3.0	+1.1	Scranton . . .	28	+ 1	2.7	+ .6
Little Rock . . .	43	+ 3	5.8	+1.6	Marquette . . .	17	- 1	1.3	- .2	R. I. Providence . . .	32	+ 4	4.5	+1.0
CALIF. Bakersfield . . .	52	+ 4	1.2	+ .2	Muskegon . . .	25	+ 1	4.3	+2.0	S. C. Charleston . . .	62	+13	1.4	-1.5
Eureka . . .	47	0	6.0	-1.4	S. Ste. Marie . . .	14	0	2.7	+ .8	Columbia . . .	59	+14	6.2	+2.8
Fresno . . .	48	+ 3	2.8	+1.0	MINN. Duluth . . .	6	- 3	1.0	- .2	Greenville . . .	51	+ 9	4.2	+ .1
Los Angeles . . .	55	- 2	8.4	+5.4	Internatl Falls . . .	-1	- 3	.9	0	S. D. Aberdeen . . .	6	- 4	.1	- .4
Red Bluff . . .	46	+ 1	4.3	- .2	Rochester . . .	13	0	.4	- .3	Huron . . .	13	0	.1	- .3
San Diego . . .	57	+ 2	3.0	+1.1	St. Cloud . . .	8	- 1	.1	- .7	Rapid City . . .	22	0	.2	- .3
San Francisco . . .	49	+ 1	3.2	-1.2	MISS. Jackson . . .	55	+ 8	11.0	+6.5	Sioux Falls . . .	13	- 1	.1	- .5
Stockton . . .	47	+ 2	1.7	-1.2	Meridian . . .	57	+10	7.7	+3.4	TENN. Chattanooga . . .	49	+ 9	8.0	+2.6
COLO. Denver . . .	24	- 6	1.0	+ .4	MO. Columbia . . .	27	- 2	3.6	+1.9	Knoxville . . .	49	+ 8	7.0	+2.3
Grand Junction . . .	17	-10	1.2	+ .6	Kansas City . . .	24	- 4	1.1	- .2	Memphis . . .	46	+ 5	8.9	+4.0
Pueblo . . .	26	- 4	4.4	+ .1	St. Louis . . .	30	- 1	3.5	+1.6	Nashville . . .	45	+ 7	9.5	+4.7
CONN. Bridgeport . . .	33	+ 3	4.5	+1.8	Springfield . . .	33	0	2.1	+ .4	TEX. Abilene . . .	43	- 1	.2	- .8
Hartford . . .	28	+ 3	4.1	+ .8	MONT. Billings . . .	23	+ 1	.8	+ .1	Amarillo . . .	35	- 1	.3	- .2
D. C. Washington . . .	43	+ 7	2.7	+ .1	Glasgow . . .	10	+ 1	.2	- .2	Austin . . .	49	- 1	2.7	+ .8
FLA. Apalachicola . . .	66	+12	1.0	-2.1	Great Falls . . .	20	- 1	1.4	+ .5	Beaumont . . .	56	+ 4	8.8	+4.7
Daytona Beach . . .	70	+12	.3	-1.8	Havre . . .	14	+ 2	.5	0	Brownsville . . .	61	+ 1	.6	- .8
Ft. Myers . . .	73	+ 9	.4	-1.2	Helena . . .	18	0	.7	+ .1	Corpus Christi . . .	58	+ 2	2.0	+ .4
Jacksonville . . .	67	+12	.3	-2.5	Kalispell . . .	20	+ 1	1.9	+ .4	Dallas . . .	53	+ 2	.5	- .1
Key West . . .	77	+ 6	.6	-1.1	Miles City . . .	19	+ 4	.2	- .3	Del Rio . . .	44	- 0	.3	- .1
Lakeland . . .	71	+10	1.2	-1.1	Missoula . . .	21	0	2.1	+ .9	El Paso . . .	44	0	.3	- .1
Miami . . .	74	+ 7	2.5	+ .3	NEBR. Grand Island . . .	17	- 5	.6	+ .1	Fort Worth . . .	44	- 1	1.8	0
Orlando . . .	72	+12	.2	-2.1	Lincoln . . .	16	- 5	.6	0	Galveston . . .	57	+ 3	3.3	+ .3
Tallahassee . . .	67	+14	3.4	- .3	Norfolk . . .	17	- 2	.4	- .2	Houston . . .	55	+ 3	7.7	+4.1
Tampa . . .	71	+11	.2	-2.1	N. Platte . . .	16	- 7	.3	- .2	Lubbock . . .	41	+ 2	.1	- .5
W. Palm Beach . . .	73	+ 7	8.3	+5.7	Omaha . . .	18	- 2	.6	- .2	Midland . . .	45	+ 1	.5	- .1
GA. Atlanta . . .	53	+11	5.4	+1.1	Valentine . . .	19	- 1	.1	- .2	San Angelo . . .	47	+ 1	.1	- .7
Augusta . . .	57	+11	4.0	+ .6	NEV. Ely . . .	23	- 1	.4	- .2	San Antonio . . .	62	+11	1.4	- .3
Macon . . .	59	+11	5.4	+1.7	Las Vegas . . .	41	- 3	2.0	+1.5	Victoria . . .	56	+ 2	2.9	+1.1
Savannah . . .	63	+13	1.4	-1.5	Reno . . .	32	0	1.6	+ .4	Waco . . .	45	- 2	1.3	- .6
HAWAII. Hilo . . .	74	+ 3	5.9	-3.2	Winnemucca . . .	30	+ 2	.7	- .3	Wichita Falls . . .	40	- 2	1.3	- .8
Honolulu . . .	75	+ 3	4.2	- .2	N. H. Concord . . .	21	0	2.8	+ .1	UTAH. Blanding . . .	22	- 6	3.4	+2.3
Kahului . . .	74	+ 2	9.0	+6.4	Trenton . . .	36	+ 4	3.3	+ .5	Salt Lake City . . .	27	- 1	1.8	+ .5
Lihue . . .	74	+ 3	5.6	- .6	N. J. Atlantic City . . .	39	+ 6	3.5	- .1	VT. Burlington . . .	19	+ 2	1.9	+ .2
IDAHO. Boise . . .	29	0	1.4	- .1	N. MEX. Albuquerque . . .	34	- 1	.9	+ .6	VA. Lynchburg . . .	44	+ 7	3.9	+1.1
Lewiston . . .	29	- 2	1.3	0	Roswell . . .	40	+ 2	.2	- .2	Norfolk . . .	49	+ 8	3.5	+ .1
Pocatello . . .	23	0	1.6	+ .5	N. Y. Albany . . .	23	+ 2	2.0	- .2	Richmond . . .	46	+ 8	3.2	+ .3
ILL. Cairo . . .	38	+ 2	4.1	+ .1	Binghamton . . .	27	+ 5	2.2	- .1	Roanoke . . .	45	+ 9	3.3	+ .6
Chicago . . .	26	+ 2	3.3	+1.4	Buffalo . . .	27	+ 3	2.4	- .5	WASH. Colville . . .	24	0	2.9	+ .8
Moline . . .	22	0	4.4	+2.7	New York . . .	36	+ 4	2.8	- .1	Omak . . .	25	+ 4	1.2	0
Peoria . . .	23	- 1	3.1	+1.3	Rochester . . .	27	+ 3	1.8	- .5	Quillayute . . .	38	- 1	19.9	+5.3
Rockford . . .	21	+ 1	3.6	+1.8	Syracuse . . .	26	+ 2	2.1	- .6	Seattle-Tacoma . . .	39	+ 1	7.8	+2.0
Springfield . . .	26	- 1	2.6	+ .8	N. C. Asheville . . .	48	+10	3.4	0	Spokane . . .	24	- 1	3.8	+1.3
IND. Evansville . . .	37	+ 4	3.6	+ .2	Charlotte . . .	50	+ 8	5.2	+1.7	Walla Walla . . .	32	- 1	1.7	- .4
Ft. Wayne . . .	26	+ 1	3.3	+ .8	Greensboro . . .	46	+ 7	4.6	+1.4	Yakima . . .	27	- 1	1.7	+ .4
Indianapolis . . .	32	+ 4	3.4	+ .5	Hatteras . . .	56	+11	2.0	-2.3	W. Va. Beckley . . .	41	+10	6.4	+2.9
South Bend . . .	28	+ 4	2.7	+ .3	Raleigh . . .	49	+ 8	4.4	+1.2	Charleston . . .	44	+ 9	4.7	+1.3
IOWA. Burlington . . .	23	0	3.2	+1.6	Wilmington . . .	59	+13	2.8	- .4	Huntington . . .	42	+ 8	5.6	+2.4
Des Moines . . .	20	+ 1	1.5	+ .4	N. DAK. Bismarck . . .	7	- 1	.1	- .4	Parkersburg . . .	39	+ 6	4.8	+1.7
Dubuque . . .	18	0	2.4	+ .7	Fargo . . .	2	- 4	.4	- .1	WIS. Green Bay . . .	17	+ 2	1.7	+ .6
Sioux City . . .	17	- 1	.3	- .4	Williston . . .	7	- 1	.5	- .1	La Crosse . . .	18	+ 2	.4	- .6
KANS. Concordia . . .	22	- 4	.3	- .4	OHIO. Akron-Canton . . .	31	+ 5	2.9	+ .2	Madison . . .	19	+ 2	2.4	+1.1
Dodge City . . .	26	- 5	.3	- .2	Cincinnati . . .	36	+ 5	3.7	+ .4	Milwaukee . . .	22	+ 3	3.6	+2.0
Goodland . . .	23	- 5	.2	- .2	Cleveland . . .	32	+ 5	2.6	0	WYO. Casper . . .	19	- 4	.7	+ .2
Topeka . . .	22	- 6	1.0	0	Columbus . . .	33	+ 5	2.4	- .5	Cheyenne . . .	24	- 3	.5	0
Wichita . . .	25	- 6	.6	- .3	Dayton . . .	32	+ 4	2.7	- .1	Lander . . .	18	- 2	.4	- .1
KY. Lexington . . .	41	+ 8	6.4	+2.4	Toledo . . .	26	+ 1	2.3	+ .2	Sheridan . . .	20	- 1	.7	0
Louisville . . .	40	+ 7	4.4	+ .9						P. R. San Juan . . .	77	+ 2	2.9	- .8

Based on 1941-70 normals.

(Continued from Page 7)

over Cape Cod and the islands Thursday night. Little or no snow fell to the north during that period. Temperatures well below normal. Tuesday coldest, near zero as far south as Connecticut.

NEW JERSEY: Cold, snowy week averaging 10° subnormal. Subzero readings morning of 10th some areas with 4° below zero at Long Valley. Warmest 42° at Atlantic City Marina on 7th. Minor snowstorm moved across State on 6th to 7th. Major snowstorm on 8th dropped 2 to 4 in. over north and 4 to 10 in. over central and south. Long Branch reported 8 in. and Pomona, 9 in.

NEW MEXICO: Turned progressively colder Tuesday through Friday with some lows Friday morning as low as 20° below zero mountain sections and teens and low 20's generally. Rapid return to warmer Saturday and Sunday. Snows midweek, mostly central portions and mostly light. However, new snow amounts up to 7 in. Estancia Valley on Thursday with estimated moisture content 0.50 in.

Soil moisture mostly short. Ranges mostly fair. Livestock fair to good, some supplemental feeding, calving continued. Wheat, barley fair to good; aphids in some wheat fields. Main activities: Irrigating, plowing, discing, and orchard pruning.

NEW YORK: Temperatures averaged subnormal remaining consistently cold throughout week. Precipitation fell as snow, averaging light to moderate. Snow on 6th and 7th averaged 4 to 7 in. across central portions less than 4 in. elsewhere. A second snowfall left 6 to 10 in. over coastal southeast on 8th. Extremes: 24° below zero at Saranac Lake on Friday, 34° at New York City on Thursday. Snow depths by weekend averaged 2 to 6 in. in St. Lawrence, Champlain and Hudson Valleys and coastal southeast. Elsewhere 6 to 12 in. and more in mountains.

NORTH CAROLINA: Unseasonably warm weather turned cold. Very little snow reported in mountains and only traces or none at all elsewhere. Week started out rainy and ended rainy with Monday and Tuesday generally fair.

Rain and cold slowed outdoor farming activities. Very little tobacco plant bed work. Soil moisture 90% surplus, 10% adequate. Small grains 75% good, 25% fair; some premature heading. Pastures good for February. Stored feed mostly adequate.

NORTH DAKOTA: Highs ranged from 43° at Watford City and Amidon on 4th and 5th respectively, to 14° below zero on 4th at Fargo. Lows ranged from 31° at Ft. Yates on 8th to 30° below zero at Grand Forks on 4th. Snow mixed with rain and freezing rain fell during week, Bisbee got most with 0.39 in. on 2d. Snow covers all of State except southwest corner. Greatest snow depth 31 in. at Bisbee. Mild temperatures with little snow made weekend seem like early spring.

Weather generally favorable for farm activities. Some difficulty marketing grain and livestock due to truck strike. Hay moving from surplus areas to short supply locations. Farmers locating seed and fertilizer supplies, attending winter meetings, and working on tax reports.

OHIO: Cloudiness, snow every day, except freezing rain and rain central and south sections 6th. Temperatures averaged subnormal for week and below freezing except on 6th. Low of 5° below zero at Toledo on 5th. Snow totaled 3 to 5 in. north on 6th and 5 in. extreme southeast on 8th. Snow on

10th from trace near Ohio Valley to 4 in. northeast. Snow depths trace southwest to 6 in. Cleveland and Findlay. Muddy conditions limited farm activities to farm auctions and care of livestock.

OKLAHOMA: Temperatures averaged near normal to 4° below normal. Precipitation averaged traces in all divisions. Temperatures mild over weekend with a few very light showers. Amounts only traces or a few hundredths.

Wheat condition dropped slightly as topsoils became drier and cold nights limited growth. Greenbugs still troublesome in southwest with some spraying for control. Considerable topdressing small grains throughout main wheat producing areas. Grazing limited west but good southeast quarter. Progress of seeding spring oats and barley slow, but seedbed preparation continued. Some pecans still being gathered and cotton harvest practically complete. Supplemental feeding necessary across State but drier fields and ranges in east allowed greater use available forage. Cattle mostly good, spring calving well underway.

OREGON: Temperatures averaged 3° subnormal west and from 2° to 5° above normal east of Cascades. Highs mid-40's to mid-50's. Lows upper 20's and lower 30's west and mostly teens, lower 20's east. Precipitation light mostly at mid-week.

Mild weather encouraged field activity. Some planting fall grains, onions. Fertilizing, spraying grain, clover. Early seeded fall grain showing excellent stands. Some oats will be reseeded. Orchard pruning now full swing. Storage crops heavily sold. Livestock feeding continued moderate to heavy. Some heavy calf losses from scours.

PENNSYLVANIA: Coldest week of season. Persistent cold with only slight moderation midweek. Daytime highs mostly 20's to low 30's, overnight lows single numbers to low 20's. Extremes: 45° and 11° below zero. Weekly means 6° to 9° subnormal south, 9° to 12° subnormal north. Precipitation generally light, mostly snow with some freezing rain and sleet midweek, except mostly rain southwest corner. Coastal storm Friday in southeast only dropped up to 6 in snow Philadelphia area. Snow cover varies from trace southwest corner to 6 to 12 in. north.

PUERTO RICO: Relatively dry weather returned to island after two weeks of above normal rainfall. Island wide weekly rainfall average only 0.36 in., lowest so far this year or 0.38 in. below normal. Highest weekly total 2.13 in. at El Yunque. Temperatures about normal. Extremes: 90° at Dos Bocas and Hormigueros, 47° at Adjuntas.

Weather favorable for sugarcane harvest, but low yield due to rains and humidity during past months which did not allow cane to mature fully. Dry months ahead should improve this situation. Cabo Rojo reported losses due to fires. Pruning, clean up and fertilizing in coffee fields active. Flowering of coffee started in west. Tobacco being harvested but high humidity retarding drying. Pastures good but some areas not developed well due to either excessive rains or dryness. Pastures southwest and parts interior scarce due to drought. Weather favorable planting, cultivation, and harvest many food crops.

SOUTH CAROLINA: Temperatures ranged from warm beginning week to cooler during last half. Rainfall 1.00 to 2.00 in. most areas occurring at first, last of period. Cold weather front moved across State Sunday night followed by relatively

high pressure system until midweek. Colder Thursday, Friday and rainfall triggered by new system short lived. Clearing, colder over weekend. Peach tree pruning continued. Only a few, if any, trucks were available for vegetable harvest along coast.

SOUTH DAKOTA: Two storms brought a variety of conditions. Most of State received light snows from 2 to 5 in., more in higher elevations. A deficit of moisture received since first of year continued. Extremely low temperatures early week resulted in below normal averages for east half. In west, averages above seasonal normal. Extremes: 27° below zero at Milbank on the 4th, 57° at Mission the 5th.

Livestock marketings sharply reduced due to truckers' strike. Main farm activities: Feeding livestock and getting ready for spring fieldwork.

TENNESSEE: Much colder last half of week. Water equivalent rain and snow amounts averaged near 0.50 in. Temperatures averaged 2° subnormal.

No fieldwork done. Fall sown crops coming out of dormancy--perhaps too soon. Pastures greening but mostly too wet to graze.

TEXAS: Cold, dry Arctic air, almost no rainfall most areas. Week began with average temperatures until Wednesday when cold, Arctic air mass moved across State. Light frost accompanied temperatures near and slightly below freezing over extreme south Saturday and Sunday. Rainfall light across State with less than 0.33 in. measured east and coastal plain sections Tuesday. Snow flurries fell Thursday in panhandle, local accumulations of 2.5 in.

Wheat continued to deteriorate on high and low plains where much of dryland crop appears beyond recovery. In eastern, central and southern areas wheat and oats made good progress, furnished fair grazing. Flax southern areas recovering, made fair growth. Cotton harvest in final stages, few fields to be stripped low plains and blacklands. Few acres already planted in Lower Rio Grande Valley.

Lower Rio Grande Valley: A light freeze occurred February 8. Temperatures varied considerably. Little or no damage observed in cantaloupe crop. Harvest of cabbage, carrots and lettuce continued active. Truck shortages not apparent as vegetable shipments remained close to same level as last year. Delays and disturbances in deliveries outside State were common however, deliveries within State near normal. Onion crop showed good growth. Coastal Bend: Watermelon planting continued. Laredo: Late carrots and cabbage showed good growth. Onions made satisfactory progress. San Antonio-Winter Garden: Carrot, cabbage and spinach harvest continued. Potato planting progressed well in Frio County. Onions made good growth. Knox-Haskell: Pre-irrigation underway for potato planting expected active next 2 to 3 weeks. Trans-Pecos: Seedbed preparation for cantaloupe crop underway. High Plains: Land preparation and fertilization continued for summer vegetables.

Peach trees continued blooming most south counties. Citrus harvest remained active. Picking of Valencias gained momentum as early and mid-season orange crop cleaned up. Adequate grapefruit supplies available. Grazing continued to decline on high, low plains but ranchers maintained livestock good condition by heavy supplemental feeding. Predator losses continued scattered localities. Calving and lambing underway most areas.

UTAH: Recurring periods of snow northwest forepart of period, amounts generally light to moderate. Little or no precipitation late week. Average temperatures ranged from near normal to 5° below west and northcentral, 3° to 12° below elsewhere. Snow cover still persists many agricultural areas. Continued snow cover delayed early plowing, irrigation ditch cleaning, and orchard pruning. Machinery preparation started for spring fieldwork. Farm flock lambing began. Major activities: Care and feeding of livestock and poultry. Some marketing of potatoes, apples, dry onions from storage continued.

VIRGINIA: Temperatures averaged a little below normal. Extremes: 64°, and 12°. Precipitation averaged about 0.96 in.

Unfavorable weather and wet soils limited plowing, topdressing and other field activity. Slightly over 1 day suitable for fieldwork. Topsoil moisture supply 75% surplus. Prepared tobacco plantbeds. Pruned fruit trees. Maple syrup producers started tapping trees. Worked on farm records. Ground and mixed feeds. Snow and cold intensified winter feeding and care of newborn livestock. Winter grains and grazing crops excellent.

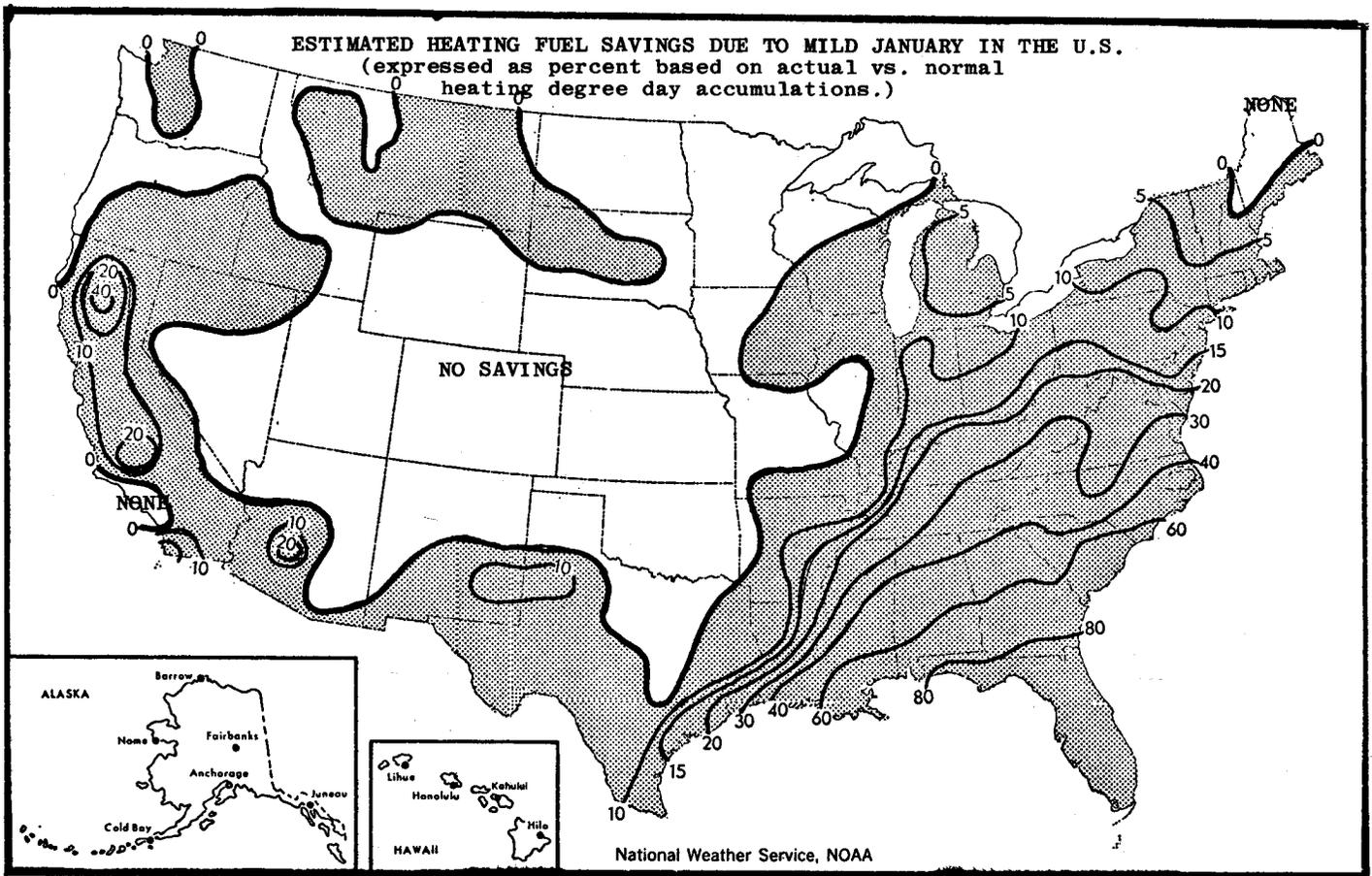
WASHINGTON: West: Temperatures subnormal. Total precipitation 0.05 in. or more. Frost some localities. Water in low lying fields. Cabbage seed fields Skagit Valley water damaged. Harvest forced rhubarb active. Pruning, tying canberries active. Some liming of fields underway. Lifting, planting seedling Christmas trees underway. Livestock good, calving underway. Hay supplies becoming tighter. East: Warm with highs in 40's, lows mostly 30's. Scattered showers, mostly southern areas first of week. Scattered fog. Farmers sampling soil moisture, fertilizer conditions. Liming and fertilizing active. Cleaning irrigation ditches. Preparing land for spring planted crops. Last minute winter wheat plantings active. Fall seeded grains good. Pruning orchards, vineyards continued. Livestock fair to good. Calving and lambing active.

WEST VIRGINIA: Temperatures averaged slightly above normal south, a few degrees below north. Highs Monday 20's to 30's, warmed to 40's and low 50's Wednesday, then down in 20's Friday. Lows generally in 20's with teens and single digits Tuesday. Heavy snow blanketed State Friday except northwest. Between 10 and 20 in. reported at Webster Springs with many other locations 5 to 10 in.

WISCONSIN: Rather cold week. Temperatures averaged 5° to 10° subnormal because of very cold nights. Readings well below zero Wednesday through Saturday evenings after passage of intense snow storm Tuesday and Wednesday. Coldest -26°, Baldwin.

Precipitation ranged from 0.25 in. water equivalent north half to 0.50 in. southwest and east-central, and over 1.00 in. southeast. Snowfall variable, in excess of 20 in. southeast, 5 to 10 in. southwest and eastcentral, and less than 5 in. northwest. Snow depths currently exceed 10 in. in southeast and north, and 5 to 10 in. elsewhere.

WYOMING: Temperatures below normal south, above normal north. Extremes: 54° at Chugwater and Deaver, 25° below zero at Dixon and Big Piney. Precipitation varied with most at Muddy Gap, 1.14 in. Farmers and ranchers beginning to shear sheep. Early calving and lambing underway some areas. Supplemental feeding of livestock still major activity. High winds eastern areas caused some damage to livestock and buildings.



ESTIMATED HEATING FUEL SAVINGS DUE TO MILD JANUARY IN THE U. S.

The warmer than normal temperatures in many parts of the Country during January provided a big assist to solving the problem of heating fuel supplies for the winter. More than 170 million of the 210 million Americans live in the warmer-than-normal areas--or about 8 of 10 U. S. households. What do these warmer than normal temperatures mean in terms of potential fuel savings? The map above shows the estimated heating fuel savings in the warmer than normal areas expressed as percent, based on actual vs. normal heating degree-day accumulations. The values were obtained by the formula:

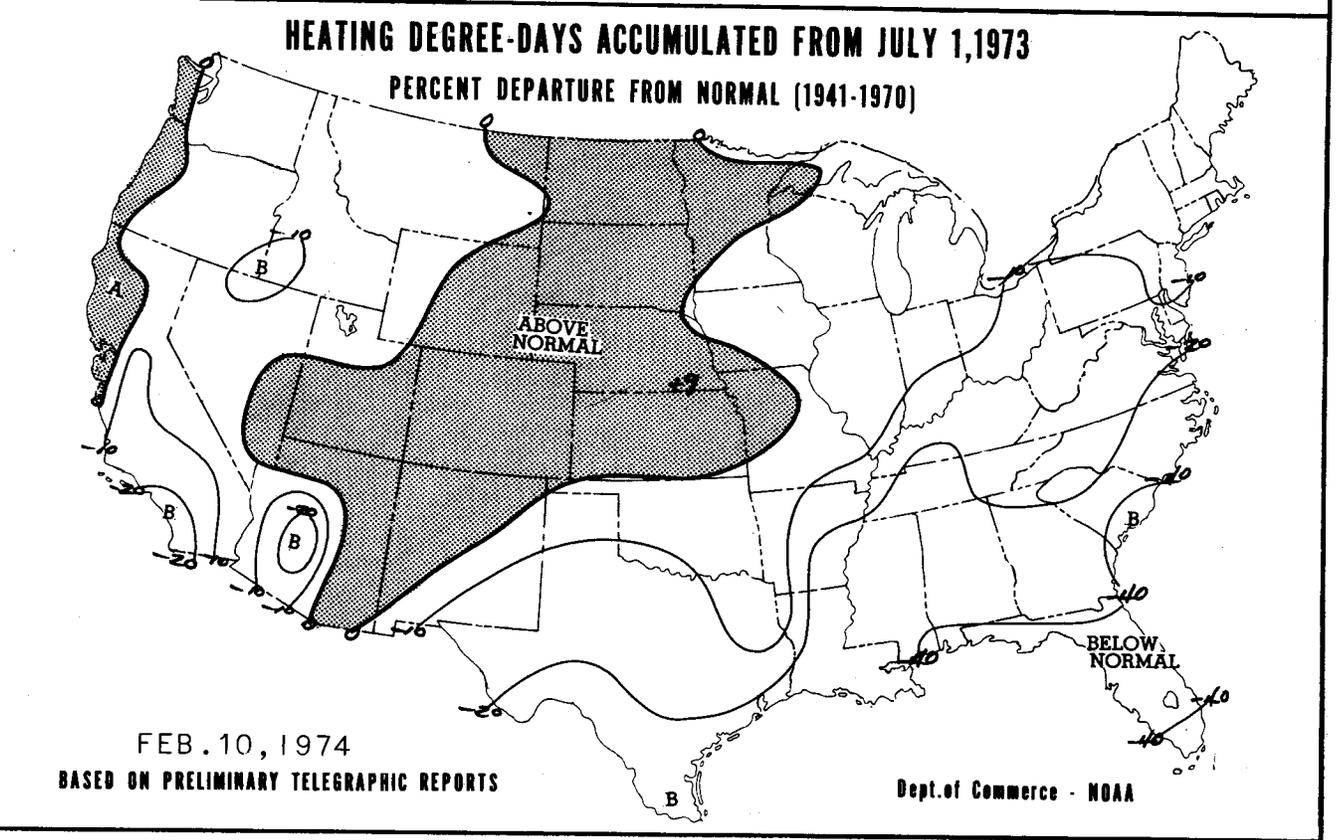
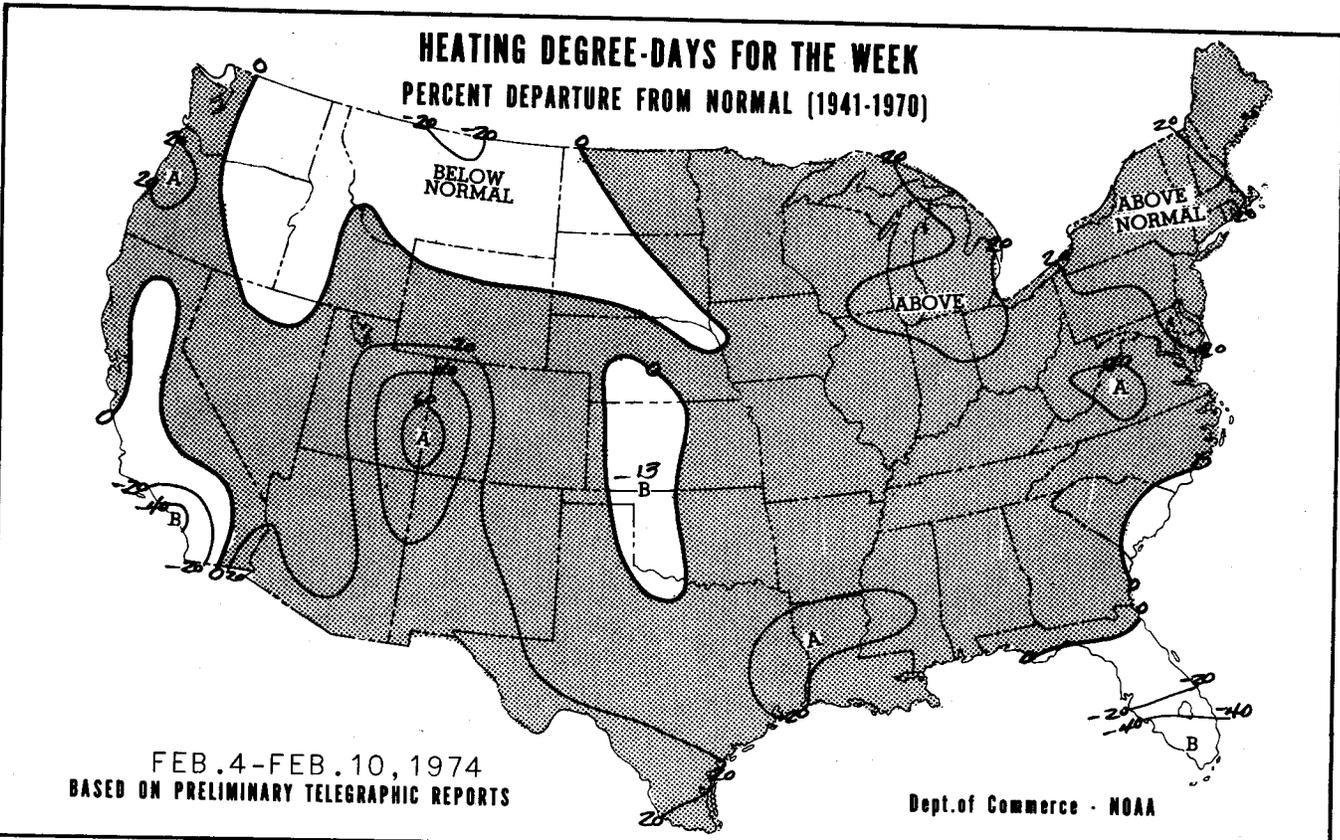
$$1 - \frac{(\text{Actual Degree-Days-Jan.})}{(\text{Normal Degree-Days-Jan.})} \times 100 = \text{Estimated percent heating fuel savings}$$

The map shows that savings ranged from none in the Plains and parts of the West to over 80 percent in Florida. Many stations in Florida recorded

zero degree-days.

Several points should be kept in mind when interpreting this map. First, and most importantly, the map values are percentages. Since different parts of the Country have different normals, the same percentage values could have totally different meanings in terms of actual fuel savings. For example, New York, N. Y., recorded 903 heating degree-days during January, 117 degree-days below normal, which represents a 12 percent savings. Corpus Christi, Texas, received 264 degree-days, only 40 below normal, but also a savings of 12 percent.

Another point to remember is that the heating degree-day statistic uses a base of 65°, which is appropriate for a thermostat setting of 70° to 72°. A rollback in the thermostat as requested by our President would result in additional fuel savings. Finally, these figures are the estimated savings in fuels used for heating only. Requirements for cooking, hot water heaters, etc., are fairly constant.



Heating Degree Days (Base 65°) For Week Ending Feb. 10, 1974

States and Stations	Weekly		Seasonal † Accumulation			States and Stations	Weekly		Seasonal † Accumulation			States and Stations	Weekly		Seasonal † Accumulation		
	TOTAL	Departure*	TOTAL	Departure*	Departure From 1972-73		TOTAL	Departure*	TOTAL	Departure*	Departure From 1972-73		TOTAL	Departure*	TOTAL	Departure*	Departure From 1972-73
ALA. Birmingham . . .	155	18	1528	-471	-595	Portland . . .	334	30	4267	-303	-450	Tulsa . . .	186	9	2487	-51	-525
Mobile . . .	102	11	700	-519	-486	MD. Baltimore . . .	272	54	2815	-244	-163	OREG. Astoria . . .	177	24	3289	176	180
Montgomery . . .	132	20	1124	-506	-458	MASS. Boston . . .	302	51	3189	-251	-300	Burns . . .	233	-15	4301	-191	-484
ARIZ. Flagstaff . . .	268	21	4092	-296	-879	MICH. Alpena . . .	417	82	4898	-236	-210	Medford . . .	178	4	2692	-412	-545
Phoenix . . .	81	0	889	-243	-238	Detroit . . .	308	29	3839	-191	-235	Pendleton . . .	165	-30	3162	-261	-598
Tucson . . .	112	23	1235	39	-337	Flint . . .	381	83	4107	-259	-100	Portland . . .	179	15	2751	-234	-158
Winslow . . .	262	69	3254	78	110	Grand Rapids . . .	373	81	4127	-100	-234	Salem . . .	199	37	3018	49	-252
Yuma . . .	72	17	738	-35	-181	Houghton Lake . . .	399	63	4861	-267	-269	PA. Allentown . . .	310	51	3337	-365	-306
ARK. Fort Smith . . .	186	24	2239	-103	-607	Lansing . . .	407	112	4244	-60	-262	Erie . . .	341	54	3710	-420	-291
Little Rock . . .	166	2	1896	-445	-505	Marquette . . .	378	52	4920	-79	-387	Harrisburg . . .	282	44	3005	-401	-220
CALIF. Bakersfield . . .	94	-2	1293	-252	-371	Muskegon . . .	362	72	4146	-57	-39	Philadelphia . . .	296	71	2825	-288	-195
Eureka . . .	134	15	2791	66	110	S. Ste. Marie . . .	447	90	5538	0	42	Pittsburgh . . .	295	36	3294	-501	-320
Fresno . . .	120	5	1683	-124	-339	MINN. Duluth . . .	440	56	6232	162	-424	Scranton . . .	354	81	3882	-94	-210
Los Angeles . . .	41	-29	788	-212	4	Internatl Falls . . .	448	24	6578	-145	-114	R. I. Providence . . .	309	52	3370	-276	-202
Red Bluff . . .	103	-9	1807	32	-420	Minneapolis . . .	409	52	5177	-160	-326	S. C. Charleston . . .	104	8	863	-650	-401
San Diego . . .	43	-20	648	-218	-93	Rochester . . .	412	61	5214	-32	-440	Columbia . . .	113	-16	1059	-777	-587
San Francisco . . .	103	2	1868	59	-55	St. Cloud . . .	431	52	5665	-15	-419	Greenville . . .	158	7	1836	-344	-288
Stockton . . .	117	-2	1675	-182	-306	MISS. Jackson . . .	148	30	1207	-428	-518	S. DAK. Aberdeen . . .	384	18	5856	300	362
COLO. Denver . . .	253	22	3894	173	-362	Meridian . . .	128	9	1085	-633	-591	Huron . . .	339	-6	5228	32	-5
Grand Junction . . .	369	135	4127	357	-441	MO. Columbia . . .	249	18	3374	14	-324	Rapid City . . .	267	-16	4587	67	-395
Pueblo . . .	234	14	3557	49	-538	Kansas City . . .	254	19	3488	62	-289	Sioux Falls . . .	348	14	5066	0	-227
CONN. Bridgeport . . .	307	62	2954	-315	-517	St. Louis . . .	239	19	3241	79	-227	TENN. Chattanooga . . .	183	19	1949	-468	-696
Hartford . . .	335	57	3646	-352	-231	Springfield . . .	215	9	2838	-209	-514	Knoxville . . .	195	30	1964	-417	-497
DEL. Wilmington . . .	281	52	2766	-389	-64	MONT. Billings . . .	230	-43	4413	-113	-760	Memphis . . .	169	11	1793	-457	-766
D.C. Washington . . .	231	28	2196	-575	-365	Glasgow . . .	309	-55	5752	47	-45	Nashville . . .	195	19	2003	-530	-454
FLA. Apalachicola . . .	76	-1	534	-442	-292	Great Falls . . .	252	-26	4818	86	-285	TEX. Abilene . . .	140	11	1641	-208	-839
Daytona Beach . . .	49	-7	313	-317	-178	Havre . . .	272	-71	5499	-135	17	Amarillo . . .	199	13	2515	-261	-875
Ft. Myers . . .	16	-19	175	-159	-57	Helena . . .	254	-35	5120	-50	-860	Austin . . .	104	9	1052	-211	-603
Jacksonville . . .	83	6	579	-376	-246	Kalispell . . .	245	-46	4984	-424	-612	Brownsville . . .	46	4	332	-142	-448
Key West . . .	3	-4	27	16	0	Miles City . . .	273	-45	4860	-198	-482	Corpus Christi . . .	72	16	566	-128	-433
Lakeland . . .	46	-2	271	-214	-156	Missoula . . .	268	-9	4751	-308	-556	Del Rio . . .	106	26	884	-294	-519
Miami . . .	8	-10	102	44	20	NEBR. Grand Island . . .	277	4	4461	291	-64	El Paso . . .	168	42	1749	-230	-258
Orlando . . .	46	-3	258	-240	-98	Lincoln . . .	285	12	4433	351	-41	Fort Worth . . .	131	8	1447	-235	-595
Tallahassee . . .	99	12	687	-458	-359	Norfolk . . .	303	3	4570	52	-243	Galveston . . .	76	2	560	-291	-504
Tampa . . .	43	-6	273	-240	-149	North Platte . . .	261	-7	4661	342	-352	Houston . . .	97	16	877	-168	-568
W. Palm Beach . . .	18	-8	124	-94	13	Omaha . . .	299	9	4407	116	-183	Lubbock . . .	178	14	2040	-391	-888
GA. Atlanta . . .	167	20	1565	-568	-478	Valentine . . .	299	7	4614	-3	-505	Midland . . .	142	12	1642	-239	-769
Augusta . . .	132	6	1351	-456	-270	NEV. Ely . . .	283	14	4786	44	-402	Beaumont . . .	110	27	822	-279	-628
Macon . . .	115	3	1039	-570	-382	Las Vegas . . .	137	15	1889	21	-302	San Angelo . . .	118	5	1329	-301	-717
Savannah . . .	100	-1	842	-558	-265	Reno . . .	223	20	3486	-263	-736	San Antonio . . .	101	15	972	-188	-530
IDAHO. Boise . . .	202	-17	3388	-368	-578	Winnemucca . . .	224	-1	3742	-394	-759	Victoria . . .	76	5	644	-255	-589
Lewiston . . .	177	-24	3388	-173	-334	N. H. Concord . . .	374	66	4624	22	-485	Waco . . .	123	14	1286	-193	-740
Pocatello . . .	278	17	4385	-76	-532	N. J. Atlantic City . . .	288	64	2766	-349	-116	Wichita Falls . . .	137	-6	1784	-259	-808
ILL. Cairo . . .	202	16	2424	-207	-418	Trenton . . .	293	63	2857	-277	-171	UTAH. Salt Lake C . . .	281	49	3725	-122	-587
Chicago . . .	329	54	3825	-83	-236	N. MEX. Albuquerque . . .	230	45	3128	204	-135	VT. Burlington . . .	422	86	4779	-113	-297
Moline . . .	320	32	4129	-32	-94	Roswell . . .	196	31	2290	-335	-426	VA. Lynchburg . . .	239	43	2438	-372	-314
Peoria . . .	297	24	3921	-54	-300	N. Y. Albany . . .	388	87	4350	1	-2	Norfolk . . .	184	13	1752	-510	-289
Rockford . . .	347	48	4218	-186	-173	Binghamton . . .	368	67	4134	-350	-425	Richmond . . .	220	32	2194	-438	-277
Springfield . . .	268	14	3510	-143	-342	Buffalo . . .	363	72	4017	-185	-137	Roanoke . . .	234	38	2386	-453	-376
IND. Evansville . . .	217	3	2713	-392	-601	New York . . .	293	62	2771	-275	-334	WASH. Quillayute . . .	181	12	3759	239	66
Fort Wayne . . .	347	75	3808	-149	-129	Rochester . . .	379	92	3867	-249	-74	Seattle-Tacoma . . .	174	10	2993	-177	-263
Indianapolis . . .	270	19	3228	-408	-372	Syracuse . . .	384	93	4073	-28	-9	Spokane . . .	212	-31	4276	-102	-149
South Bend . . .	326	45	3589	-487	-370	N. C. Asheville . . .	197	11	2215	-587	-376	Walla Walla . . .	167	-20	3045	-174	-446
IOWA. Burlington . . .	304	27	3933	-84	-302	Hatteras . . .	154	14	1135	-565	-241	Yakima . . .	177	-43	3775	-217	-361
Des Moines . . .	316	17	4176	-182	-560	Charlotte . . .	182	28	1878	-332	-368	W. VA. Beckley . . .	269	38	2986	-612	-465
Dubuque . . .	375	61	4602	-85	-294	Greensboro . . .	209	32	2301	-290	-366	Charleston . . .	250	42	2574	-464	-376
Sioux City . . .	297	-8	4425	-121	-257	Raleigh . . .	189	22	1843	-542	-477	Huntington . . .	245	35	2563	-484	-535
KANS. Concordia . . .	246	0	3831	147	-208	Wilmington . . .	126	0	1075	-602	-416	Parkersburg . . .	260	40	2782	-370	-286
Dodge City . . .	189	-28	3367	60	-481	N. Dak. Bismarck . . .	376	-1	6261	475	336	WIS. Green Bay . . .	390	49	4866	-212	-120
Goodland . . .	253	11	4034	155	-447	Fargo . . .	431	-33	6310	364	96	LaCrosse . . .	362	33	4665	-123	-345
Topeka . . .	248	14	3609	118	-186	Williston . . .	362	-9	6161	294	56	Madison . . .	392	67	4708	-198	-212
Wichita . . .	222	10	3329	183	-369	OHIO. Akron-Canton . . .	308	39	3382	-529	-264	Milwaukee . . .	344	35	4276	-333	-325
KY. Lexington . . .	239	22	2615	-506	-320	Cleveland . . .	317	51	3317	-504	-379	WYO. Casper . . .	304	30	4818	197	-534
Louisville . . .	221	7	2520	-557	-402	Columbus . . .	294	42	3196	-487	-339	Cheyenne . . .	270	15	4503	144	-585
LA. Baton Rouge . . .	94	3	770	-457	-440	Cincinnati . . .	261	30	3039	-263	-329	Lander . . .	304	17	4938	-3	-1073
Lake Charles . . .	95	11	821	-267	-547	Dayton . . .	300	48	3302	-332	-293	Sheridan . . .	266	-17	4848	66	-467
New Orleans . . .	90	8	666	-401	-525	Toledo . . .	367	92	3964	-82	-130						
Shreveport . . .	137	25	1451	-101	-419	Youngstown . . .	326	51	3681	-331	-441						
MAINE. Caribou . . .	418	40	5887	-50	-595	OKLA. Okla City . . .	189	12	2452								



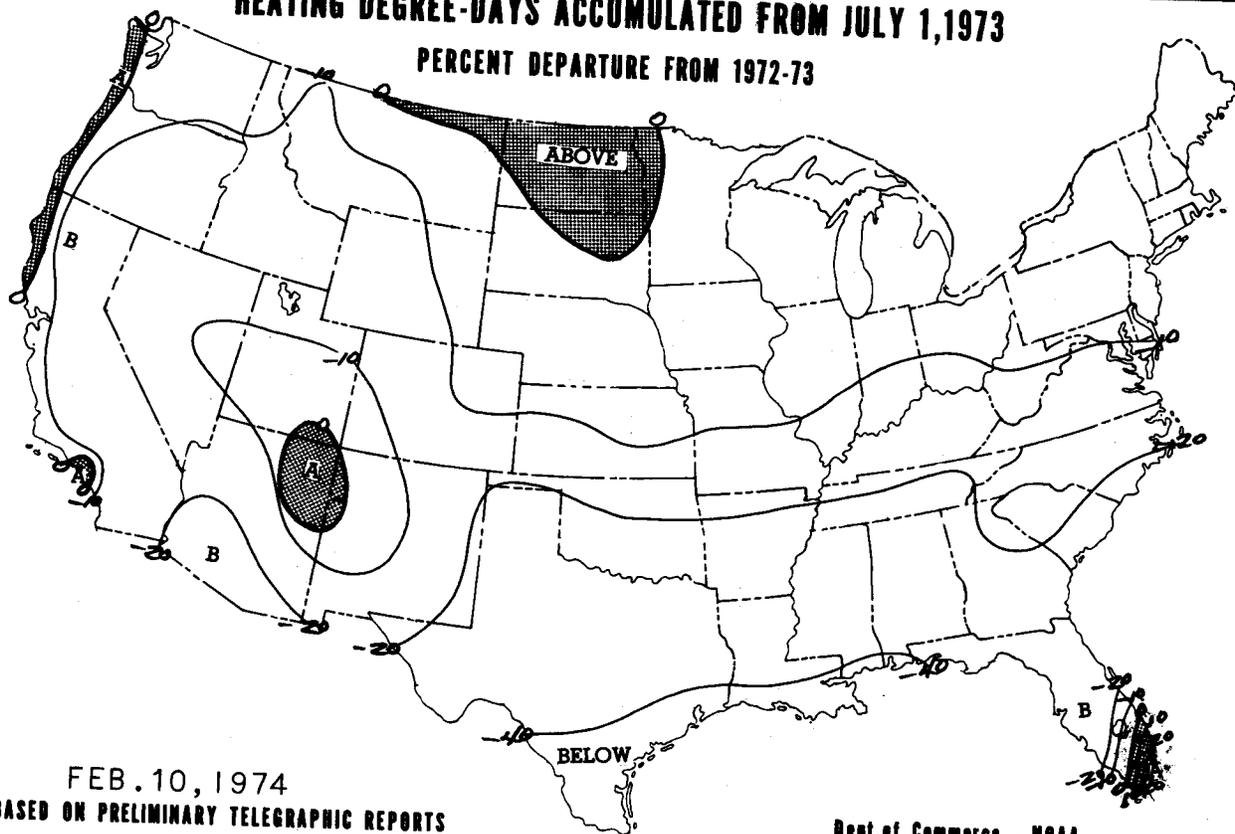
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HEATING DEGREE-DAYS ACCUMULATED FROM JULY 1, 1973 PERCENT DEPARTURE FROM 1972-73



FEB. 10, 1974
BASED ON PRELIMINARY TELEGRAPHIC REPORTS

Dept. of Commerce - NOAA