

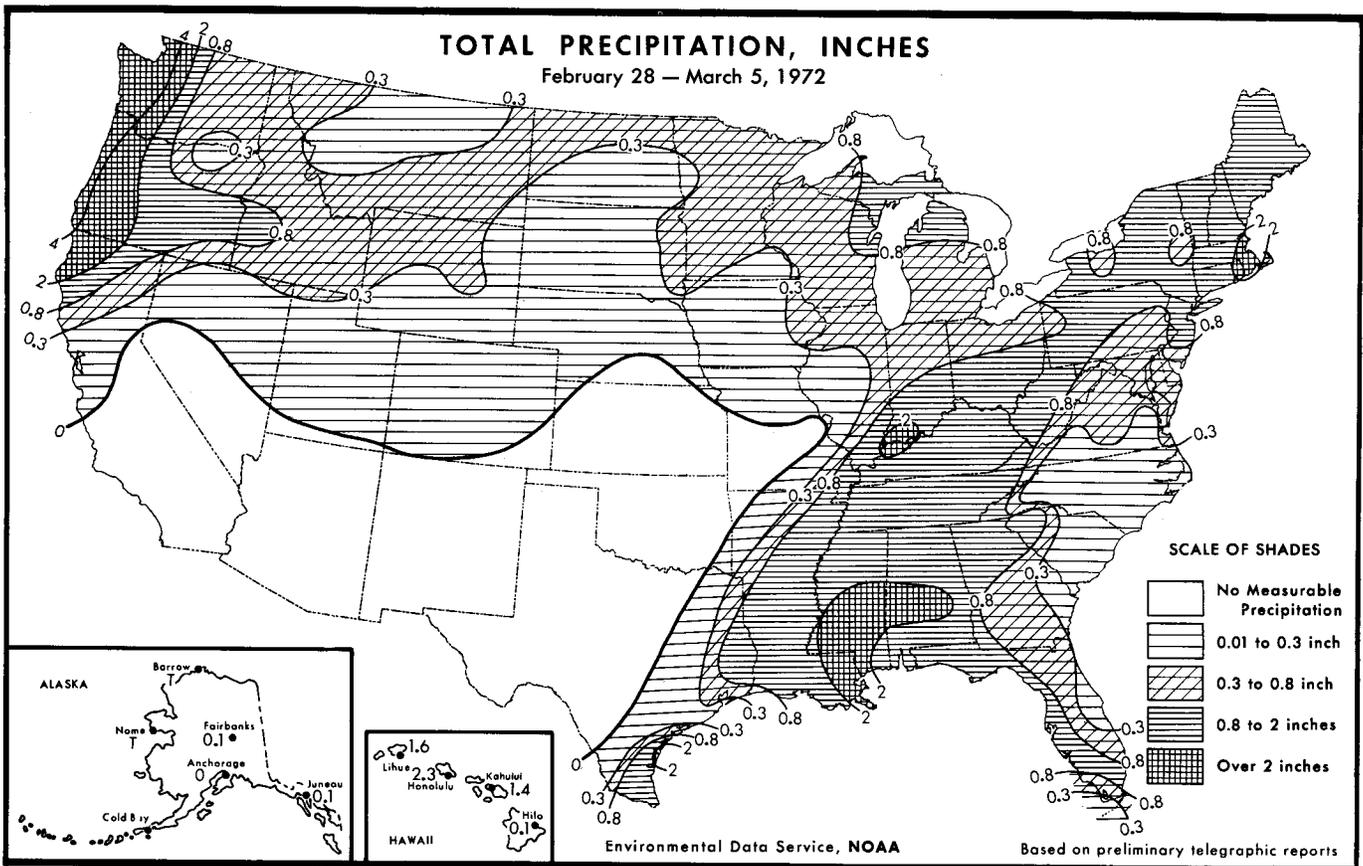
Weekly Weather & Crop Bulletin

U. S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Environmental Data Service

U. S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service

Volume 59 No. 10

Edited by Lucius W. Dye MARCH 6, 1972 Washington, D. C.

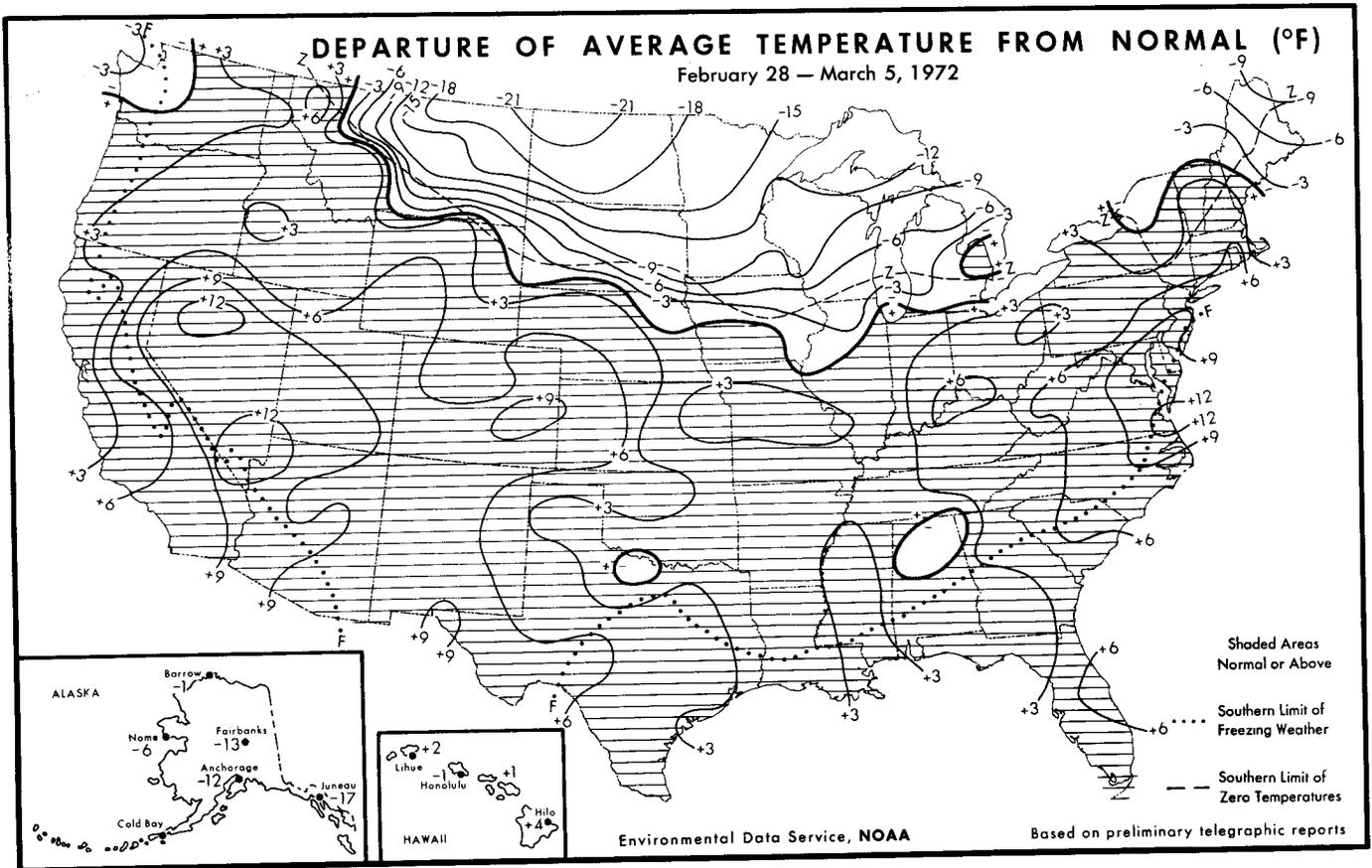


NATIONAL WEATHER SUMMARY

HIGHLIGHTS: Bitter cold continued over the northern Great Plains. The cold weekend over the East did not offset the unusually mild weather that occurred early in the week. Heavy rains fell along the northern Pacific coast.

PRECIPITATION: Rains continued in the Pacific Northwest. Showers occurred in the intermountain region and eastward to the northern Rocky Mountains with snow in the higher elevations early in the week. Scattered snow flurries occurred over the northern Great Plains; moderate snow fell in the upper Mississippi River Valley, the Great Lakes Region, and the Northeast. Rain fell along the New England Coast. Sunny pleasant weather prevailed over much of the South. Late Tuesday, moderate showers soaked much of the Gulf Coast.

A storm over the central Great Plains intensified about midweek dumping several inches of snow across the northern Great Plains and the Great Lakes Region. A front stretched from the central Great Plains to New England early Tuesday. Thunderstorms occurred in the Ohio River Valley in the warm air south of the front. In some localities, the thunderstorms produced hail. The western portion of the front pushed southward. A few tornadoes were seen. One tornado wiped out a trailer park at Ozark, Ala. Flash floods occurred along some streams in western New York, western Pennsylvania, extreme southeastern Ohio, West Virginia, and the eastern portion of Kentucky and Tennessee. Throughout the week, miserable mixtures of snow, sleet, and freezing rain fell along a band separating the



snow areas from the rain areas. These mixtures slicked the highways and byways and made automobile travel dangerous.

More stormy weather--moderate to heavy snow combined with strong winds--occurred over the Upper Great Lakes Saturday. Rain and snow fell in the middle Atlantic States Sunday. Snow fell in the Northeast.

The southwestern quarter of the Nation continued dry last week. Much of this area has been dry since late December.

TEMPERATURE: Mild springlike weather prevailed over the southern two-thirds of the Nation early in the week. The central Great Plains were unseasonably warm. Most of Nebraska warmed to the 70's on Monday and temperatures in the 80's were common from Kansas to Texas on both Monday and Tuesday. Hill City, Kans., registered 86° Tuesday afternoon. Migratory waterfowl were seen flying north along the continental flyways. The warm humid weather extended from the central and southern Great Plains to the middle and southern Atlantic coast.

Arctic air poured into northern Great Plains

and advanced southward. By noon Wednesday the arctic air covered Nebraska and Iowa and was marching into Kansas and Missouri.

Balmy weather continued along the Gulf of Mexico, the Atlantic coast, and in Florida. Baltimore, Md., warmed to 80° Wednesday afternoon. The zero line pushed into Iowa Thursday morning. Devils Lake, N. Dak., registered 28° below zero Thursday. Subfreezing weather covered western Kentucky, 20° at Bowling Green.

The leading edge of the cold air mass continued southeastward and by Monday morning, March 6, had reached the Atlantic coast. Jacksonville, Fla., registered 33° Monday morning. The cold weather came to the East too late to offset the unusually mild temperatures that occurred earlier in the week. Temperatures along the middle Atlantic coast averaged 9° to 12° above normal. The Great Basin and southern Rocky Mountains averaged 6° to 12° warmer than normal. In contrast, a large area across the North from the Continental Divide to the Upper Mississippi River averaged 10° to 20° colder than normal.

L. W. Dye

NATIONAL AGRICULTURAL SUMMARY

AGRICULTURAL HIGHLIGHTS: Warm temperatures speed wheat greening. * Rain needed in Great Plains and Southwest. * Spring planting off to fast start Texas, Oklahoma, and Kansas.

'SMALL GRAINS: It was the 3d consecutive warm, dry, windy week over much of the Great Plains. Rain is needed as topsoil moisture is becoming short from Texas to South Dakota. High winds caused occasional damage to wheatfields where the soil was exposed. So far wind damage has been light, but more blow damage can be expected if the dry, windy conditions persist. Wheatfields were greening-up rapidly due to the extremely warm late February and early March temperatures. Greening started as far North as eastern Colorado and Nebraska. Irrigated Texas fields are making good progress. A few Southern Oklahoma wheatfields are in the jointing stage of development. Topdressing fall-planted acreage was active across the Country -- wet fields slowed application in the South.

It was a warm wet week in the Pacific Northwest -- but most fall-seeded grains remain dormant. Dryland wheat acreage needs moisture badly in New Mexico. A few early wheatfields in the Yuma, Arizona area are past the boot stage. Warm wet weather enhanced grain prospects throughout the South. However, wheat is in poor condition in southern and central Georgia -- rust is responsible for the decline.

Oklahoma growers had another ideal planting week -- spring oat and barley seeding is nearing completion. Kansas growers also made good progress -- 15% of their oats are in -- well ahead of last spring and average. Some seeding also occurred in Arizona and California. Washington "dryland" wheat seeding is nearing completion.

OTHER CROPS: Midweek rains halted land preparation in the Delta and Appalachian States. In other sections of the Country farmwork increased as farmers got outside to enjoy the recordbreaking warm temperatures. Planting of cotton, sorghum, and corn made steady headway in the Coastal Bend and Lower Rio Grande Valley of Texas. Heavy rains washed out some cotton fields in the Coastal Bend area making replanting necessary. Sugarcane harvesting is ending in Florida. Potatoes were planted in North Carolina, Alabama, Louisiana, Washington and Oregon during the week. Bed preparation was the main activity on Tennessee tobacco farms. Most flue-cured beds are seeded in Virginia. Maple tree tapping started in southern New England.

Fruits and Nuts: Warm weather continues to break the dormancy in orchards across the southern tier of States. Blooming is becoming more widespread. Freezing temperatures may have caused some damage to early-blooming trees in Texas. Orchard work is dropping behind schedule in the middle Atlantic States -- melting snow and rain hampers fieldwork.

Citrus harvesting was active in Florida, California, and Texas. Limited picking continued in Arizona. Florida citrus trees remain in excellent condition, but California groves are becoming dry.

Vegetables: Florida growers were busy replanting frost-damaged acreage after last week's freeze. Considerable acreage was reseeded in the north-central, east and west coast, and Everglades areas. Shipments of cabbage, tomatoes, celery, and sweet corn accounted for 2/3 of the Florida volume. Heavy supplies of lettuce and asparagus are coming from Imperial Valley California. Early spring onion pulling started in the Texas Lower Valley -- general pulling should start after mid-March.

Excessive moisture is hurting strawberry and cabbage acreage in Louisiana. Some tomatoes were set in Houston and Geneva Counties, Alabama. Georgia vegetable planting increased during the week. Rain interrupted fieldwork in both States. Cabbage setting increased in the Carolinas. Ohio cabbage growers are preparing for plant setting.

PASTURES AND LIVESTOCK: Livestock herds continue to receive heavy amounts of supplemental feed. Very little winter feed is being provided by snow-covered pastures in the North. Southern pastures started to green, but are too wet to permit grazing. Supplemental feeding is actually increasing in the Southwest as range conditions deteriorate due to the lack of precipitation. Stockwater is becoming low in some Arizona areas. Irrigated wheatfields are supplying good grazing in Texas.

Recordbreaking high temperatures eased the stress on livestock over the southern 2/3rds of the Nation. But, snow, wind and cold returned to the Northern Plains, Great Lakes and New England regions drifting roads and barnyards.

Pastures started greening as far North as Virginia. Hay supplies are adequate, but a few local areas in some States are running low.

Steve J. Pscodna
Agricultural Statistician

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., MARCH 5, 1972

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 . . .	50	- 1	1.8	+ .5	New Orleans . . .	62	+ 3	2.0	+1.0	OKLA. Okla. City . .	48	+ 3	0	- .3
Mobile . . .	61	+ 3	1.6	+ .2	Shreveport . . .	55	+ 1	1.5	+ .7	Tulsa . . .	48	+ 3	0	- .4
Montgomery . . .	55	+ 2	3.5	+2.2	MAINE. Caribou . .	9	- 9	1.3	+ .9	OREG. Astoria . . .	45	+ 1	5.2	+2.9
ALASKA. Anchorage . .	9	-12	0	- 1	Portland . . .	29	+ 2	1.9	+1.0	Burns . . .	39	+ 4	1.2	+ .9
Barrow . . .	-18	- 1	T	0	MD. Baltimore . . .	49	+11	.6	- .2	Medford . . .	47	+ 4	2.6	+2.1
Fairbanks . . .	-10	-13	.1	0	MASS. Boston . . .	37	+ 3	3.1	+2.2	Pendleton . . .	46	+ 4	.2	- .1
Juneau . . .	12	-17	.1	- .6	Chatham . . .	39	-	2.3	-	Portland . . .	47	+ 2	2.2	+1.2
Nome . . .	0	- 6	T	- .2	MICH. Alpena . . .	13	- 8	1.3	+ .9	Salem . . .	46	+ 2	2.3	+1.1
ARIZ. Flagstaff . . .	40	+ 7	0	- .4	Detroit . . .	29	- 1	.6	+ .1	PA. Allentown . . .	41	+ 8	.5	- .3
Phoenix . . .	67	+10	0	- .2	Flint . . .	26	0	.4	- .1	Erie . . .	31	+ 4	1.8	+1.2
Tucson . . .	63	+ 7	0	- .2	Grand Rapids . . .	24	- 4	.5	0	Harrisburg . . .	42	+ 6	.7	- .1
Winslow . . .	51	+ 9	0	- .1	Houghton Lake . .	15	- 6	.8	+ .4	Philadelphia . . .	47	+11	1.0	+ .2
Yuma . . .	70	+10	0	- 1	Lansing . . .	25	- 2	.4	- .1	Pittsburgh . . .	37	+ 5	1.1	+ .4
ARK. Fort Smith . . .	48	0	T	- .8	Marquette . . .	10	-13	1.4	+1.0	Scranton . . .	36	+ 4	1.0	+ .4
Little Rock . . .	50	+ 2	1.4	+ .4	Muskegon . . .	25	- 4	.7	+ .3	R.I. Providence . .	40	+ 7	2.5	+1.6
CALIF. Bakersfield . .	60	+ 5	0	- .3	S. Ste. Marie . . .	9	-10	1.0	+ .6	S.C. Charleston . .	59	+ 5	.2	- .6
Eureka . . .	51	+ 3	3.7	+2.3	MINN. Duluth . . .	4	-12	.5	+ .2	Columbia . . .	58	+ 7	.2	- .8
Fresno . . .	58	+ 5	0	- .5	Internatl Falls . .	3	-16	.4	+ .2	Greenville . . .	52	+ 4	1.3	+ .2
Los Angeles . . .	67	+ 8	0	- .6	Minneapolis . . .	11	-10	.3	0	S. DAK. Aberdeen . .	7	-14	.3	+ .1
Red Bluff . . .	55	+ 2	.4	- .3	Rochester . . .	16	- 6	.3	0	Huron . . .	12	-11	T	- .2
San Diego . . .	61	+ 3	0	- .4	St. Cloud . . .	6	-14	.3	+ .1	Rapid City . . .	25	- 3	.1	0
San Francisco . . .	55	+ 2	.1	- .6	MISS. Jackson . . .	57	+ 3	2.3	+1.1	Sioux Falls . . .	15	-10	.3	0
Stockton . . .	59	+ 7	T	- .6	Meridian . . .	56	+ 3	2.9	+1.5	TENN. Chattanooga .	47	0	1.9	+ .7
COLO. Denver . . .	39	+ 5	T	- .2	MO. Columbia . . .	42	+ 4	.1	- .3	Knoxville . . .	49	+ 4	1.4	+ .2
Grand Junction . . .	44	+ 6	T	- .2	Kansas City . . .	44	+ 5	T	- .4	Memphis . . .	50	+ 3	1.8	+ .8
Pueblo . . .	46	+ 9	.1	0	St. Louis . . .	43	+ 4	T	- .5	Nashville . . .	48	+ 3	1.3	+ .2
CONN. Bridgeport . . .	40	+ 7	1.5	+ .6	Springfield . . .	43	+ 2	T	- .4	TEX. Abilene . . .	55	+ 3	T	- .2
Hartford . . .	35	+ 3	1.8	+1.0	MONT. Billings . . .	24	- 6	.5	+ .3	Amarillo . . .	46	+ 2	0	- .2
D.C. Washington . . .	51	+10	.7	0	Glasgow . . .	5	-16	.2	+ .1	Austin . . .	62	+ 5	T	- .5
FLA. Apalachicola . .	61	+ 2	1.9	+ .9	Great Falls . . .	18	-10	.3	+ .1	Beaumont . . .	60	+ 2	1.8	+1.0
Ft. Myers . . .	73	+ 6	.1	- .5	Havre . . .	4	-18	.2	+ .1	Brownsville . . .	70	+ 4	1.9	+1.6
Jacksonville . . .	64	+ 4	.7	- .1	Helena . . .	34	+ 6	.2	+ .1	Corpus Christi . .	68	+ 5	2.5	+2.2
Key West . . .	77	+ 5	T	- .4	Kalispell . . .	34	+ 6	.4	+ .2	Dallas . . .	57	+ 4	0	- .6
Lakeland . . .	69	+ 4	.8	- .1	Miles City . . .	14	-12	.4	+ .3	Del Rio . . .	66	+ 6	0	- .2
Miami . . .	75	+ 5	.9	- .4	Missoula . . .	34	+ 3	.3	+ .1	El Paso . . .	61	+ 9	0	- .1
Orlando . . .	71	+ 7	.2	- .5	NEBR. Grand Island	35	+ 4	T	- .2	Fort Worth . . .	56	+ 3	0	- .6
Tallahassee . . .	59	0	1.4	+ .3	Lincoln . . .	36	+ 2	.1	- .3	Galveston . . .	63	+ 3	.1	- .6
Tampa . . .	68	+ 4	1.1	+ .3	Norfolk . . .	28	- 1	.1	- .2	Houston . . .	61	+ 4	.4	- .2
GA. Atlanta . . .	52	+ 4	1.5	+ .3	North Platte . . .	37	+ 6	T	- .2	Lubbock . . .	51	+ 5	0	- .1
Augusta . . .	57	+ 5	.1	- .9	Omaha . . .	32	+ 2	.1	- .2	Midland . . .	57	+ 5	0	- .1
Macon . . .	55	+ 2	.3	- .8	Valentine . . .	30	+ 3	T	- .2	San Angelo . . .	60	+ 6	0	- .2
Savannah . . .	60	+ 5	T	- .9	NEV. Ely . . .	42	+11	T	- .2	San Antonio . . .	63	+ 4	T	- .3
HAWAII. Hilo . . .	75	+ 4	.1	-2.7	Las Vegas . . .	64	+12	0	- .1	Victoria . . .	64	+ 3	.3	- .2
Honolulu . . .	72	- 1	2.3	+1.6	Reno . . .	49	+10	T	- .2	Waco . . .	58	+ 3	T	- .5
Kahului . . .	73	+ 1	1.4	+ .9	Winemucca . . .	48	+12	.1	- .1	Wichita Falls . . .	49	- 1	0	- .3
Lihue . . .	72	+ 2	1.6	+ .5	N.H. Concord . . .	31	+ 4	.9	+ .3	UTAH. Blanding . .	45	+ 9	0	- .3
IDAHO. Boise . . .	42	+ 3	1.2	+ .9	N.J. Atlantic City .	44	+ 7	.5	- .4	Salt Lake City . . .	46	+ 8	.2	- .1
Lewiston . . .	44	+ 4	.8	+ .5	Trenton . . .	47	+10	1.3	+ .5	VT. Burlington . . .	24	+ 3	1.7	+1.3
Pocatello . . .	38	+ 5	.6	+ .4	N.MEX. Albuquerque	51	+ 8	0	- .1	VA. Lynchburg . . .	50	+ 8	.4	- .2
ILL. Cairo . . .	45	+ 1	2.1	+1.2	Roswell . . .	52	+ 6	0	- .1	Norfolk . . .	56	+12	.3	- .5
Chicago . . .	32	+ 1	.3	- .2	N.Y. Albany . . .	31	+ 3	.8	+ .2	Richmond . . .	54	+11	.2	- .5
Moline . . .	30	- 1	.4	0	Binghamton . . .	29	+ 3	1.8	+1.2	Roanoke . . .	50	+ 8	.2	- .6
Peoria . . .	33	0	.1	- .4	Buffalo . . .	30	+ 3	1.5	+ .7	WASH. Colville . . .	38	+ 4	.5	+ .2
Rockford . . .	25	- 4	.6	+ .2	New York . . .	43	+ 7	1.0	+ .1	Omak . . .	37	+ 3	.5	+ .3
Springfield . . .	37	+ 1	T	- .4	Rochester . . .	30	+ 3	.6	0	Quillayute . . .	39	- 3	4.6	+2.6
IND. Evansville . . .	43	+ 1	2.1	+1.3	Syracuse . . .	29	+ 1	1.0	+ .2	Seattle-Tacoma . .	42	- 1	4.9	+3.9
Fort Wayne . . .	35	+ 3	.5	0	N.C. Asheville . . .	48	+ 5	.2	- .6	Spokane . . .	36	+ 1	.5	+ .1
Indianapolis . . .	39	+ 4	1.6	+1.0	Charlotte . . .	52	+ 6	.2	- .9	Walla Walla . . .	46	+ 2	.8	+ .4
South Bend . . .	31	+ 1	.2	- .3	Greensboro . . .	52	+ 8	.1	- .7	Yakima . . .	40	+ 1	.6	+ .4
IOWA. Burlington . . .	32	- 1	T	- .5	Hatteras . . .	56	+ 8	.3	- .8	W.VA. Beckley . . .	43	+ 6	.6	- .5
Des Moines . . .	30	+ 2	.2	- .2	Raleigh . . .	54	+ 8	.2	- .6	Charleston . . .	47	+ 7	.9	- .1
Dubuque . . .	22	- 5	.6	+ .1	Wilmington . . .	58	+ 7	.8	- .2	Huntington . . .	45	+ 5	1.5	+ .7
Sioux City . . .	26	- 2	.2	- .1	N.DAK. Bismarck . .	0	-20	.1	0	Parkersburg . . .	44	+ 5	1.3	+ .6
KANS. Concordia . . .	39	+ 3	T	- .3	Fargo . . .	1	-17	.2	0	WIS. Green Bay . . .	15	- 7	1.1	+ .8
Dodge City . . .	45	+ 7	T	- .2	Williston . . .	2	-21	.5	+ .4	La Crosse . . .	14	-11	.7	+ .3
Goodland . . .	43	+ 9	T	- .2	OHIO. Akron-Canton	34	+ 2	.8	+ .1	Madison . . .	20	- 4	.6	+ .2
Topeka . . .	42	+ 4	T	- .4	Cincinnati . . .	44	+ 8	1.2	+ .5	Milwaukee . . .	21	- 5	.7	+ .2
Wichita . . .	42	+ 1	T	- .3	Cleveland . . .	36	+ 4	.7	+ .1	WYO. Casper . . .	32	+ 3	.4	+ .2
KY. Lexington . . .	43	+ 4	1.1	+ .1	Columbus . . .	38	+ 4	1.0	+ .4	Cheyenne . . .	37	+ 6	T	- .2
Louisville . . .	45	+ 6	1.7	+ .7	Dayton . . .	39	+ 4	1.0	+ .4	Lander . . .	37	+ 8	T	- .2
LA. Baton Rouge . . .	60	+ 2	2.6	+1.3	Toledo . . .	34	+ 3	.7	+ .3	Sheridan . . .	32	+ 4	.4	+ .2
Lake Charles . . .	61	+ 2	1.2	+ .1	Youngstown . . .	33	+ 2	.8	0	P.R. San Juan . . .	79	+ 4	.5	0

* Departures are from 30-year means (1931-60). Based on preliminary reports

CONDENSED STATE SUMMARIES

These summaries provide brief descriptions of condition and activities important on a national scale. Detailed reports of crop and weather conditions during the growing season are contained in State issues of Weekly Weather and Crop Bulletins published by field offices of the Statistical Reporting Service, U.S.D.A. in cooperation with NOAA Climatologists.

ALABAMA: Partly sunny and quite warm early in period. Heavy showers and thundershowers Wednesday and Thursday, then much cooler Friday through Sunday. Colder Sunday with lows from mid-20's to mid-30's. Average temperatures for week about 3° warmer than usual. Rainfall heavy all sections with more than 3.00 inches over much of southern portion and parts central Alabama. Farmers made fair to good progress with land preparation, and small amounts cotton and soybeans harvested early period. However, rain brought fieldwork to halt late week. Warmer weather aided small grains recovering from damage caused by earlier low temperatures. Several lowland fields have been drowned out. Farmers made fair progress applying nitrogen to small grains. Planting Irish potatoes favorable progress Baldwin County area. First tomatoes set Houston-Geneva County. Live-stock remains mostly fair to good condition as cattlemen continue heavy feeding.

ARIZONA: Temperatures were much above normal. Skies mostly clear and no precipitation. Small grains continue satisfactory growth. Planting spring wheat continues southeast. Yuma, early plantings past boot stage. Some early lodging barley. Final preparations for planting 1972 cotton crop well advanced. Fall-planted sugar beets good progress. Lettuce Cochise County good progress--thinning expected this week. Mixed vegetable harvest continued Salt River Valley--seasonal volume. Progress early-planted cantaloupes good Yuma. Harvest lettuce, mixed vegetables continued. Harvest lemons, navels, and sweets complete. Limited grapefruit picking underway. New growth showing well both areas. Bloom expected within week Yuma. Range conditions continued deteriorate. Current conditions fair to poor. Soil moisture and stock water becoming low. Supplemental feeding continues to increase. Some hay hauling.

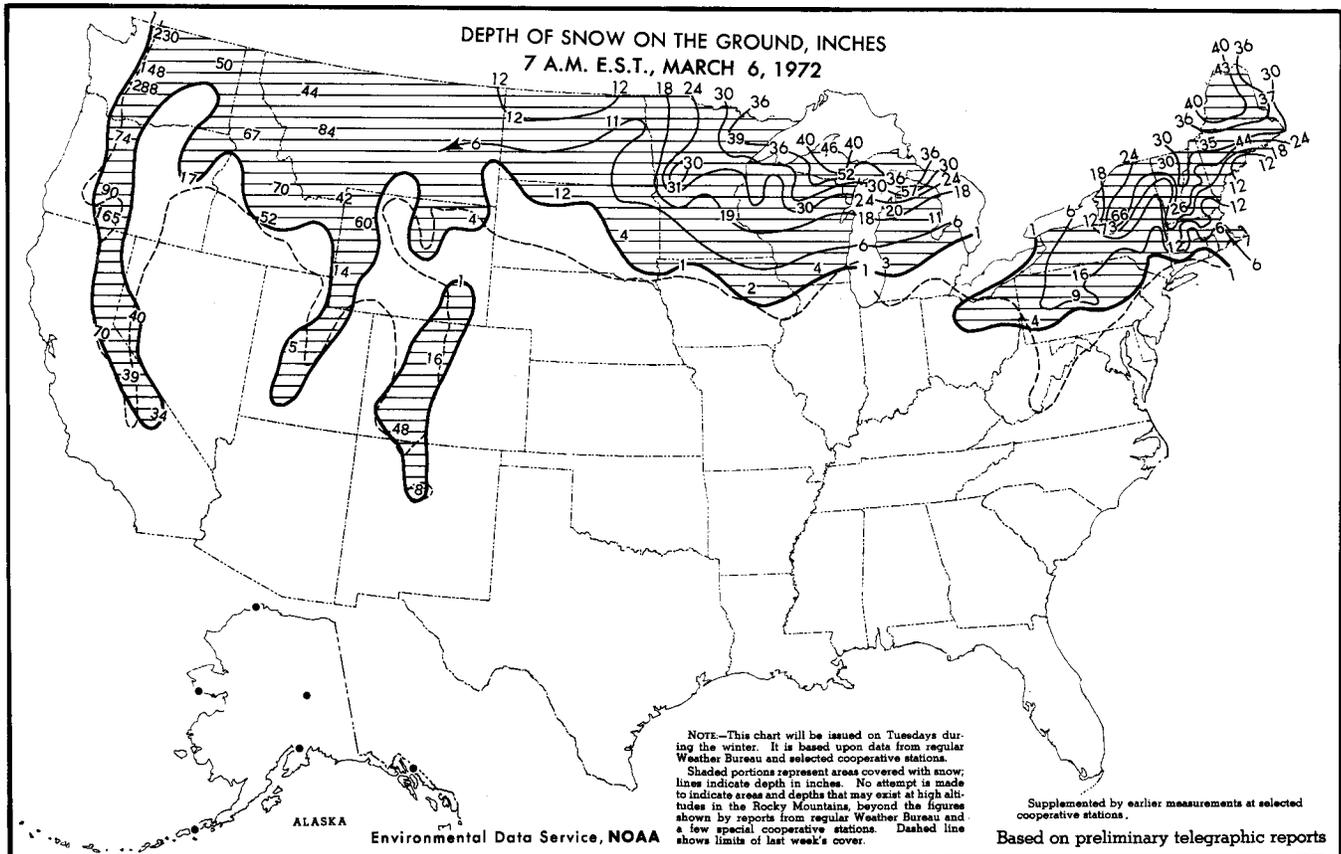
ARKANSAS: Temperatures in range 0° to 5° above normal with greatest departures western border and north-central sections. Warm early in week followed by cooling trend latter part of week and milder by weekend. Highest 84° at Mountain Home February 29 and at Texarkana March 1. Lowest 18° at Calico Rock March 3. Precipitation generally 1.00 inch or more along and south of line from southwest to northeast corner of State occurring mainly midweek as squall line passed across State with locally high winds, hail, several funnel clouds, and tornadoes. Most precipitation, 2.15 inches at Pine Bluff, 1.84 inches at Jonesboro, and 1.76 at Camden. Least amounts were traces in west-central and northwest. Preparation of seedbeds for rice, cotton, soybeans, and other spring crops made good progress although temporarily interrupted by showers midweek. Topdressing winter grains and pastures continued. Some fruits, particularly peaches, beginning to bloom. Cattle mostly on full feed although some grazing available. Calving active and prospects good. Moisture needed northwest and north-central areas.

CALIFORNIA: Above normal temperatures all but Mt. Shasta-Red Bluff area. Most of State aver-

aged 4° to 8° above normal, Owens Valley 12° above normal. Heavy rains north of 40° latitude caused flooding, landslides; several communities temporarily isolated. Precipitation totals 2.00 to 8.00 inches north coast, about 0.25 inch Sacramento Valley, 1.00 to 3.00 inches northern Sierra Nevada. No rain south of Stockton, Yosemite. Storms extreme north but most State continues dry. Rain needed badly dryland small grain. Planting sugar beets, safflower. Field preparation active. Warm weather continues break dormancy. Almonds early variety fruits bloom. Picking navel oranges active. Quality good. Valencia orange sizes appear below normal. Grapefruit, lemon harvest moderate levels. Light showers northern California increasing range grass growth. Supplemental feeding continues seasonally. Sacramento and San Joaquin Valley areas showing stress due lack of warm spring rains. Water supplies decreasing. Southern California soil moisture conditions poor. Some movement cattle to feedlots. Lambing well along most northern areas. Bees quite active in deciduous fruits. Milk and egg production about normal. Asparagus increasing Delta; near peak Imperial. Artichokes increasing Castroville; pack-out down. Broccoli, cauliflower increasing Salinas. Cabbage about done Imperial. Carrot volume down slightly Desert Valleys. Celery about done Chula Vista. Lettuce continues high volume Imperial; Palo Verde starts March 6. Potato movement Klamath moderate. Strawberry harvest increasing south coast. Planting, canning tomatoes continues; early-seeded fields progressing.

COLORADO: Unusually warm most days many areas. Light to moderate snow mountains northwest and some parts eastern plains. Locally heavier few scattered locations. Surface soil moisture supplies short many areas. Little or no precipitation. High winds near weekend caused blowing soils local areas eastern plains. Wind damage fall-seeded grains generally light. Warm temperatures during week caused small grain fields to green up eastern plains. Small grain crops generally good. Spring fieldwork underway. Moisture needed to improve soils for spring planting. Range and pastures providing limited forage. Supplemental feeding required statewide. Hay and forage supplies short to adequate. Calving and lambing continuing.

FLORIDA: Temperatures averaged 4° to 7° above normal most of State except near normal Panhandle. Daytime highs in the 80's throughout State. Rainfall averaged less than 0.50 inch except over 1.50 inches in Panhandle. Rainfall mainly showers preceding and accompanying frontal passages latter part of week. Temperatures falling rapidly Sunday night. Small grains making good growth. Sugar-cane harvest approaching end. Two sugar mills through grinding--3 more complete this week and other before end of March. Grazing conditions below week ago. Central portions State becoming dry. Calving active. Increasing number suckling calves required greater supplemental feeding brood cows. Citrus tree condition excellent. Varying stages bloom beginning abundance new growth. Full open bloom 2 to 3 weeks away. Cabbage, tomatoes,



celery, sweet corn, make up nearly 2/3 current volume. Snap beans, escarole, endive, peppers, and radishes good volume. Carrots, strawberries increasing, various lettuces reduced supply. Egg-plant, cucumbers very limited. Potatoes steady supply with digging delayed Dade County by rain. Hastings crop showing good recovery from earlier frost burn. First watermelons expected next 10 days from Ft. Myers-Immokalee area, but light volume until early April. Planting, replanting active other areas. Spring vegetables progress good. Considerable replanting necessary north-central, east and west coasts, Everglades.

GEORGIA: Rainfall moderate to locally heavy northwest half of State and mostly light southeast half. Most of rain occurred as late afternoon and evening thundershowers on Wednesday and Thursday. Mild Friday and Saturday and turning much colder Sunday. Highs reached low 80's south and central first half of week. Lows dropped to low 20's extreme north and to near freezing extreme south this Monday morning. Averages ranged from 2° to 5° above normal. Soil moisture adequate to excessive with cultivation beginning higher elevation fields. Small grains, tobacco plant beds, and pastures remain mostly fair to good condition. Wheat south-central area in poor condition resulting from rust. Watermelon and vegetable planting increasing as field conditions permit.

HAWAII: Local, heavy rain fell with high winds. Cool, cloudy weather restricting crop progress. Farm operations slowed by wet fields. Sugarcane harvesting increasing seasonally, but harvesting pineapples light. Pastures and cattle making fair to good progress.

IDAHO: For third consecutive week, temperatures continued to average 5° to 10° or more above normal. Precipitation heavy all areas. Greatest departures from normal occurred southwest and south-central portions where totals ranged mostly 1.00 to nearly 2.00 inches compared to normals of 0.20 to 0.40 inch. Snow decreased lower elevations south and increased slightly mountains north. Warm wet conditions good for range grasses at lower elevations. All fieldwork at standstill. Livestock in good condition, but still receiving supplemental feed.

ILLINOIS: Warm week particularly on 29th as high temperatures ranged from 52° in north to high 70's in south. Turned cold with freezing rain in central on 1st. Storm produced up to 0.50 inch of precipitation. Light snow on 2d and 4th but melted. Sunny and cold on 5th. Rockford reported 3°. Soil moisture mostly adequate. Winter wheat, other small grains, and legumes generally good condition. Livestock continue in good condition. Farm activities were primarily routine farm chores.

INDIANA: Record warm 29th. 74° at Indianapolis was warmest of any winter season day in history. Temperatures subsequently declined to 10° at South Bend on 3d and 6th. Precipitation on 1st and 2d from 0.30 inch north to 2.00 inches extreme south. Snow cover less than 1 inch extreme northwest. Some surface soils thawed. Some greening pastures and grains extreme south. Soil frozen at weekend with winter farm activities at minimum.

IOWA: Cold dry week. Temperatures averaged 8° to 10° below normal north to 2° to 3° below normal south. Precipitation moderate north, light elsewhere.

KANSAS: Dry windy weather continued. Strong winds March 1 and 3 caused local blowing dust west. Temperatures varied widely. Maxima in 70's and 80's early in week dropping by 20° to 50° with cold front at midweek. Numerous new record high temperatures for February established on 29th. Highest maxima was 89° at Ellsworth, a new February record for that location. Weekly mean temperatures averaged above seasonal. Oats and spring barley seeding progressed well with open weather. Expected oat acreage 15% seeded by March 4, compared with 3% year earlier and 10-year average 13%. Spring barley 6% seeded, average 5%. Wheat greened with mild weather, but light wind damage wheatfields scattered western and central localities. Spring plowing and other tillage for row crops moved ahead. Topsoil quite dry western 2/3 State with rain needed for spring growth. Cattle many areas received supplemental forage and grain, but many cattle continued to graze wheat. Calving progressed well with minimum losses.

KENTUCKY: Temperatures much above normal first 3 days and below normal balance. Sunny first 2 days and last day. Precipitation 1.00 to 2.00 inches falling on 1st, 2d and 4th. Record high temperatures 29th, maxima in 70's generally and 82° at Pikeville. Thunderstorms on 1st and local wind damage in west night of 1st. Freezing rain, sleet, snow night of 2d, snow depth morning of 3d, trace to 4 inches with heaviest amounts in Bluegrass and northeast. Some freezing rain morning of 4th, and rain and snow mixed extreme north. Soils saturated--little or no fieldwork. Winter grains and pastures began to green during warm spell. Cattle good condition--some calves being born.

LOUISIANA: Temperatures highly variable as cold front dropped readings sharply from very warm levels Thursday. Weekly averages normal to 3° above normal. Extremes: 85° and 27°. Precipitation moderate to heavy midweek preceding cold front. Weekly totals more than 1.00 inch. Some areas central and east-central received 2.50 to 3.50 inches. Greatest 24-hour total reported at Alexandria Thursday morning. Fieldwork Generally active when halted by midweek rain. Moisture beneficial northwest, but further delayed land preparation other areas. Considerable plowing and disking accomplished, some shaving and offbarring sugarcane, and scrapping cotton. Some Irish potatoes planted--commercial planting virtually completed. Excessive moisture hurting strawberries and cabbage. Wheat and oats fair to good--supplying limited grazing. Pasture feed below average--supplemental feeding continued. Livestock mostly good.

MARYLAND AND DELAWARE: Temperatures, with record-breaking highs February 9 to March 2; averaged 8° to 11° above normal. Extremes: 80°, 12°. Precipitation on 3d and 5th, mostly 0.50 to 1.00 inch. February 1972 temperatures below normal. Precipitation and snowfall above normal to much above normal. McHenry, Garrett County, reported monthly snowfall of 56 inches. Some greening winter grain fields during days with high temperatures. Very limited field activity as saturated soils delay such jobs as lime and fertilizer spreading. Orchard work dropping behind schedule since soggy

ground following rapid melting snow hampered equipment use.

MICHIGAN: Mild south early, unseasonably cold after midperiod. Temperature extremes: 60° to -31°. Record snow depth, 57 inches at Pellston with 25-inch increase during week. Temperature averages: 10° to 13° below normal Upper Peninsula, near normal southern 1/3 to 11° below normal northern Lower Peninsula. Precipitation totals: 0.70 to 1.30 inches Upper Peninsula, 0.30 inch southern to 1.25 inches northern Lower Peninsula except over 2.50 inches northwestern Lower Peninsula.

MINNESOTA: Very cold week. Temperatures from 16° below normal in north to 5° below normal in south. Extremes: 39°, -26°. Precipitation: Generally 0.25 to 0.50 inch across State with approximately 1.00 inch in the Alexandria area. Snow depth varies from 6 to 39 inches across the State. Two feet or more of snow still fans out from Alexandria northeast. Farm activity during February confined mainly to livestock chores. Some activity reported repair farm machinery where shelter available. Some farmers lining up seed and fertilizer supplies for coming crop season. Livestock in good condition with feed supplies mostly adequate. Some shortage hay mainly central and south-central districts.

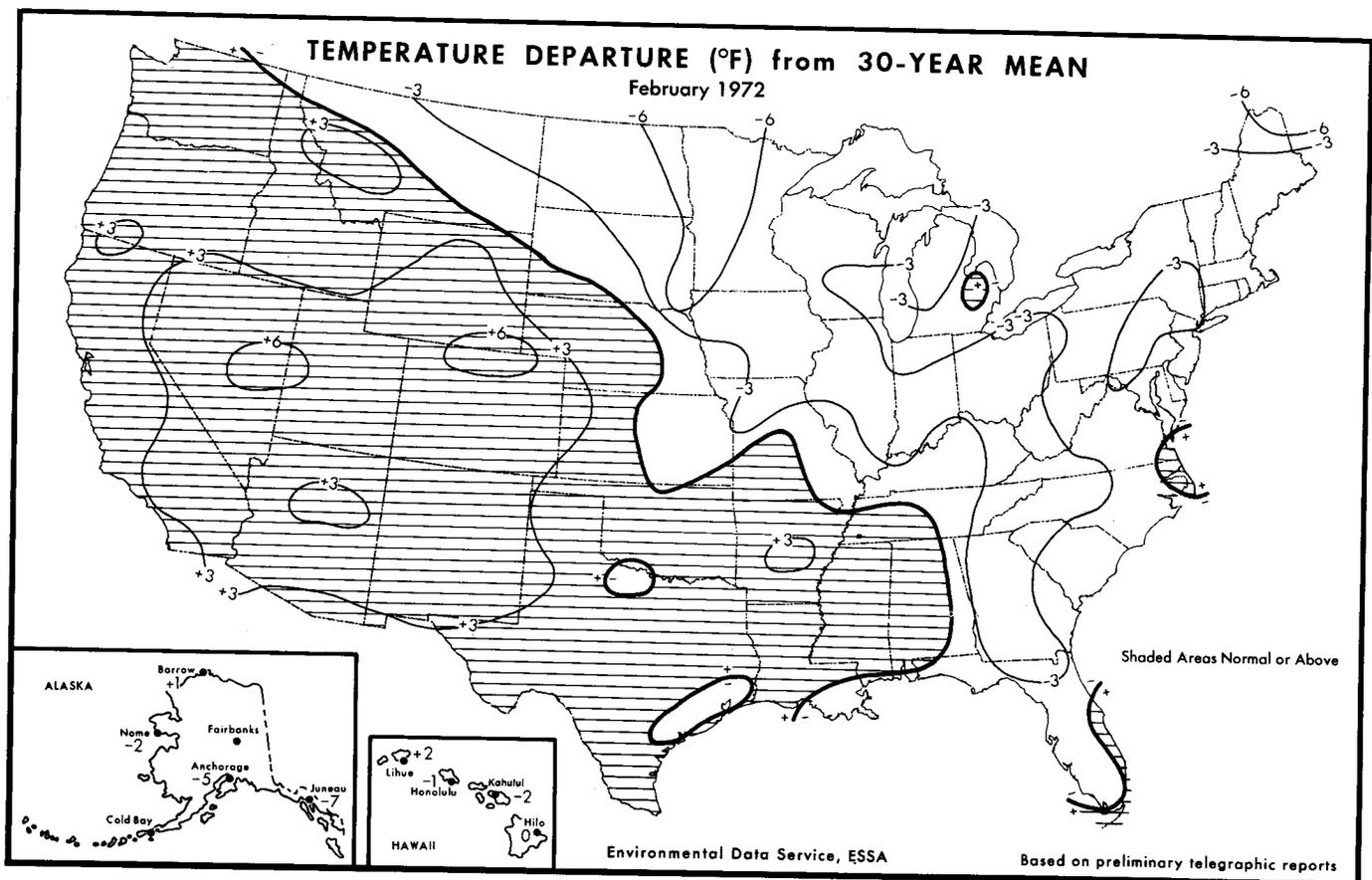
MISSISSIPPI: Average temperatures rose above normal with daily extremes of 83° and 27°. Rains on 3 or 4 days with 4.05 inches at Enterprise on 2d. Severe weather on March 1 and 2 with several tornadoes, 2 injured and damages over \$60,000. Cooler end of week with a low of 22° this Monday morning at Tupelo, few showers on Saturday amounts under 0.25 inch. Heavy rains Wednesday and Thursday halted fieldwork. Progress made land preparation first part week. Plowing for 1972 crop about 26% completed. Soil moisture mostly surplus. Average 2.4 days suitable fieldwork. Wheat and oats fair to good condition. Livestock and pastures mostly fair.

MISSOURI: Strong, dry, southwesterly winds brought recordbreaking warmth to State on Tuesday, February 29. Temperatures reached mid-80's at many locations setting new daily and monthly records. Moderately cold air pushed through State on Thursday and Friday dropping temperatures to more normal values. Rainfall was extremely light everywhere except in Bootheel, where amounts averaged over 1.50 inches. The deficiency precipitation becoming critical western and central portions State where totals since January 1 are about 3.00 inches below normal.

MONTANA: Continued mild western mountains, cold over plains with frequent large fluctuations in temperatures along eastern slopes of Rockies. 0.50 to 2.00 inches precipitation near the western border, 0.25 inch elsewhere. Nearly all range livestock fair to good condition and receiving supplemental feed. Winter grazing opened up somewhat. Calving, lambing, and shearing progressing normally. Winter wheat in good condition under light snow cover. Wind damage generally light, but some fields badly blown.

NEBRASKA: Highly variable temperatures averaged above normal. Third consecutive dry windy week. Stalk cutting and limited seedbed preparation.

(continued on Page 10)



WEATHER - February 1972

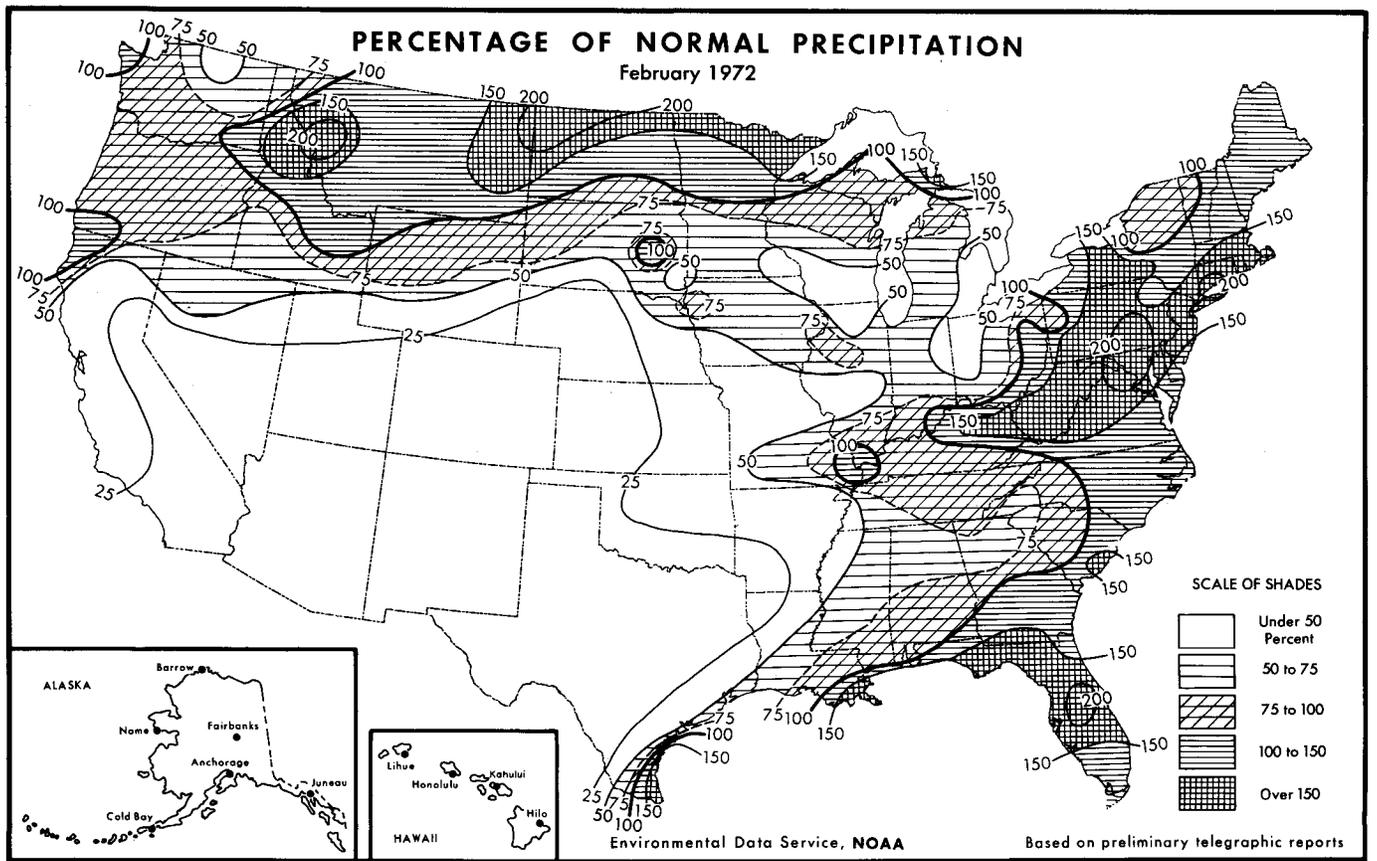
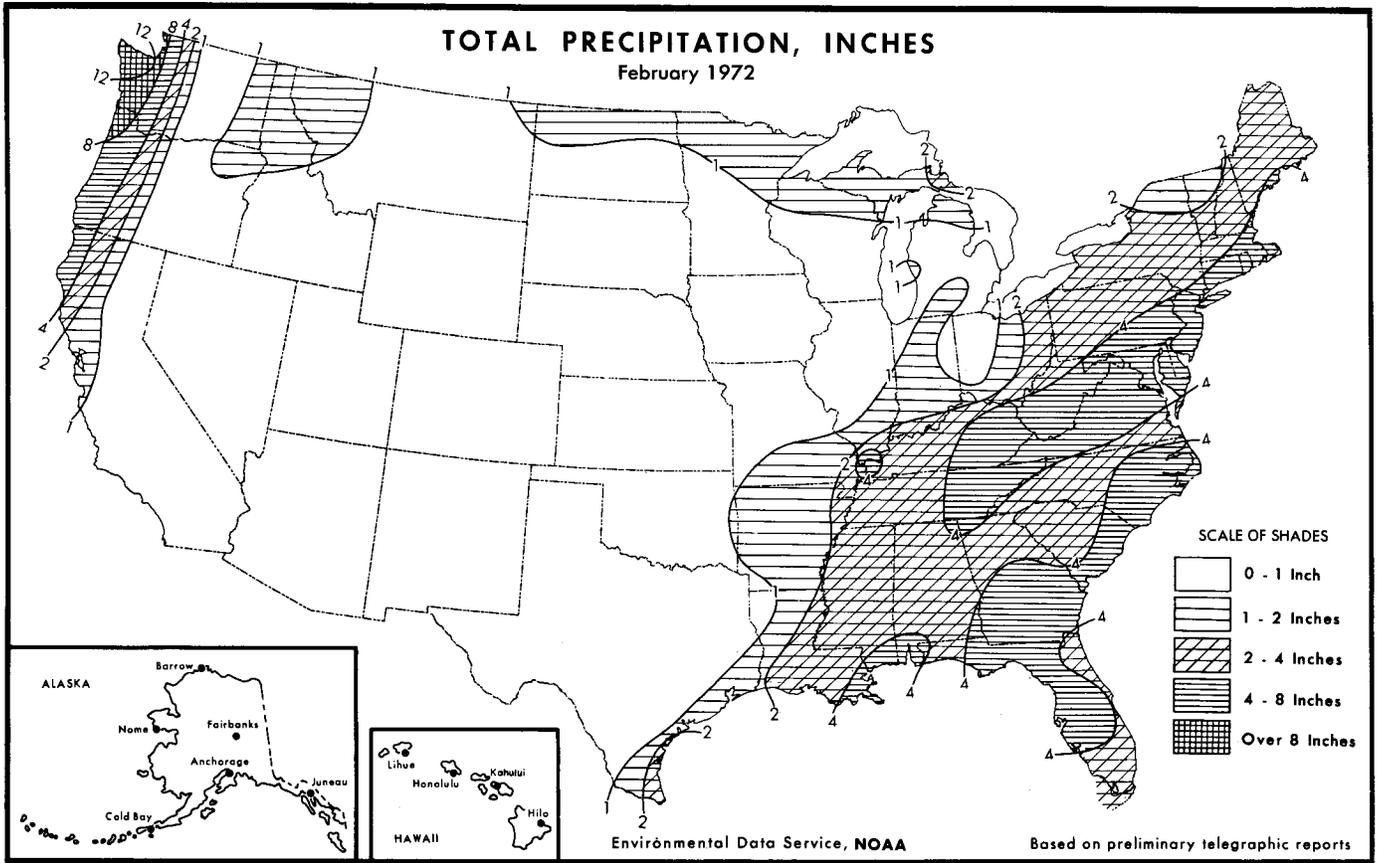
TEMPERATURE: Cold weather gripped almost the entire Nation in the first week of February. The Far West and the northern and central Rocky Mountains warmed in the second week but bitter cold continued over much of the Great Plains, the Great Lakes Region, and the Ohio River Valley. Most of the Nation averaged warmer than normal in the third week. Temperatures over the southern Great Plains were especially mild. The West and South continued mild in the last week of February but bitter cold prevailed from the northern Great Plains to the Atlantic Ocean. February temperatures averaged cooler than normal north of a line from extreme northern Idaho to Florida and warmer than normal over most areas south of that line.

PRECIPITATION: Two major storms were in progress in the first week of February. The first, centered over the central Great Plains and moving toward the Great Lakes, caused snow over an 8-State area from Colorado and New Mexico to the middle Mississippi River Valley while an Atlantic storm soaked the Atlantic seaboard with heavy rain accompanied by gales. Snow fell in the higher elevations of the central Appalachians and north of the rain belt. The Washington, Oregon, and northern California coast received generous rains on many days in February. Snow fell in the nearby Cascades and Sierras and flurries occurred eastward across the northern border States to New England. The Pacific Coast was frequently battered by winds reaching gale velocities. A storm over the eastern States produced widespread precipitation in the second week of February. Several inches of snow fell in parts of the Appalachians.

Twelve to 14 inches of snow buried Canaan Valley, W. Va., and 9 inches fell at Mt. Washington, N.H. A large storm brought miserable weather to the eastern third of the Nation shortly after mid-month. Large waves pounded the coast. One to 2 feet of snow fell in the northern and central Appalachians. Blizzards raged in many areas. Winds gusted to 60 m.p.h. or more. Deep snow drifts blocked highways and byways and stranded hundreds of motorists. A series of winter storms paraded across the northern States in the last week of February. Rain continued along the northern Pacific Coast. Snow at Stampede Pass, Wash., accumulated to 16 feet. Flurries occurred across the northern Great Plains and several inches of snow fell in the northern Appalachians. Heavy rains fell in eastern Kentucky, southern West Virginia, and western North Carolina. This storm and several others during February caused local flash flooding. This storm was especially damaging because of the failure of a coal-slag dam in Logan County, W. Va. Water rushed down Buffalo Creek carrying away houses, automobiles, and people. Dozens of persons were drowned, hundreds are still missing and other hundreds are homeless.

Frequently during February, when snow fell in one area and rain nearby, a belt of mixed precipitation occurred between the snow and the rain areas. The mixture included snow and rain and sometimes sleet and freezing rain. These mixtures made highway travel hazardous.

Most of the southwest quarter of the Nation received less than 0.25 inch of precipitation during the entire month. Much of this same area



received less than 0.25 inch in January. Some localities in the Southwest have had no rain or only light sprinkles since late in December.

L. W. Dye

(continued from Page 7)

Few range fires during warm, dry conditions. Wind erosion minor problem areas exposed soil. Winter wheat starting to green east. Livestock good to excellent.

NEVADA: Very warm week. Temperatures 11° to 13° above normal north, 8° above normal south. General precipitation north, varying from trace at several locations to 0.34 inch at Elko. None in south. Few temperature records broken. Minnemucca 75° and Reno 79° on Sunday highest so early in season, Yerington 83° highest for March since 1895. Livestock remain good condition. Muddy conditions northeast makes feeding and caring for cattle more difficult. Hay supply becoming short some areas. Predatory animals more numerous than usual, but death losses normal. Drying conditions northwest allowed seedbed preparation to get underway Lovelock area. In south, seeding tomatoes for transplant completed. Harvest green onions Moapa Valley getting underway.

NEW ENGLAND: Another stormy week. Precipitation every day some sections. Temperatures averaged mostly above normal and up to 9° above normal in the southwest but up to 9° below normal in extreme northeast. Many maxima in 50's and 60's on March 1. Major storm March 3 with heavy and locally flooding rains changing to sleet, glaze, and snow most of south. Heavy snow north. Storm precipitation totals locally up to 4.00 inches in eastern Massachusetts, with thunderstorm activity. Storm of March 5 as second major occurrence of week in more limited area, with north-eastern Massachusetts hardest hit with up to 1 foot of new snow. Precipitation for week mostly 1.00 to 2.50 inches but locally up to 4.50 inches in eastern Massachusetts. Some tapping during week in maple bushes southern New England.

NEW JERSEY: Temperatures averaged slightly above normal. Record-breaking high temperatures early in week followed by sharply colder over weekend. Extremes from near 80° over much of State on 1st to around 10° over northwest on 4th. Precipitation averaged about 0.80 inch over most of State on 2d, 3d, and 4th. This included up to 1 inch of snow on 4th. Little or no snow remaining on ground on morning of 6th.

NEW MEXICO: Continued fair and warm. Very light showers northeast March 1. Temperatures continued 5° to 10° above normal but freezing minimum temperatures general Thursday. Highest temperatures in south mostly in 80's. Ground moisture short. Dryland wheat needs moisture. Winter wheat and vegetables good. Range condition decreasing rapidly. Livestock also slipping. Supplemental feeding also increasing.

NEW YORK: Rapid change midweek from spring-time warmth to inclement wintry weather. Warming trend early week brought marked temperature contrast on March 1 with afternoon range from low 20's northern quarter to upper 50's southern tier and upper 60's southeast. Maximums 50's to low 60's Upstate and 72° at New York City on 2d before frontal passage dropped tempera-

tures 25° or more within a few hours. Cold late week with minimums -5° to -15° interior Upstate on 4th. Precipitation mostly rain but changing to sleet and snow on 2d and 3d total 1.50 inches coastal with 0.60 to more than 1.00 inch elsewhere. Narrow belt of heavy snowfall central and northern interior totaled 5 to 10 inches. Widespread lowland flooding from snowmelt during midweek warm spell.

NORTH CAROLINA: Warmest since December. Temperatures rising to highs near 80° and lows near 60° March 2, turning cold over weekend with lows near 20° March 6. Showers and a few thunder-showers beginning west portion March 1 and spreading eastward. Totals mostly 0.50 inch or less but a few reports of 1.00 inch. Light hail and strong winds 1 or 2 areas in thunderstorms. Soil moisture decreased from mostly surplus to mostly adequate, remains surplus northern mountains. Small grains improved due to warm weather, generally fair to good. Tobacco plant bed preparation underway mountains, seeding continues Piedmont, mostly complete coastal plain. Some plants up coastal plain. Mostly good to fair. Irish potato planting active coastal plain. Pastures improving -- mostly fair to good. Feed grain and roughage supplies adequate. Fieldwork active as weather permitted topdressing small grains and pastures. Cabbage setting coastal plain. Pruning apple and peach trees.

NORTH DAKOTA: Cold week with moderate snow in north and light snow in south. Mostly sunny weekend. Temperatures averaged 14° to 20° below normal. Precipitation light to 0.84 inch. Snow cover mostly 5 to 12 inches with heaviest northwest and north-central. Additional snow and drifted roads and yards made some feed supplies inaccessible. Warmer weather needed for favorable calving and lambing. Farmers preparing machinery, cleaning grain, and marketing grain and livestock.

OHIO: Temperatures on 28th to 1st were as much as 30° above normal. Many stations set record maximums on 29th and 1st. From 2d to 5th, temperatures were 10° to 20° below normal. Precipitation light 28th to 1st. Larger amounts rest of week. On 5th, northeast had to 4 to 6 inches of new snow. Peach and early apple crop prospects below normal. Cabbage growers preparing for plant setting. Seed corn and fertilizer being bought for spring planting. Fence repairs being made when weather permits.

OKLAHOMA: No measurable precipitation. Temperatures averaged 1° to 5° above normal. Some blowing dust extreme southwest. Wheat remains mostly good, fair to good growth past week -- small acreage beginning to joint. Green bugs becoming somewhat more prevalent southern counties, some spraying underway. Topdressing continues. Planting spring-seeded grains nearing completion. Small acreage corn planted south. Surface soil moisture continued to decrease, especially western 2/3. Now rated 58% short, 42% adequate. Few fruit trees beginning to bloom, growers still pruning and applying dormant spray. Garden preparation and planting early vegetables continues. Livestock continues good gains from wheat pastures. Some cattle beginning to move off fields to be harvested for grain. Supplemental feeding cattle on native pastures and ranges continues. Growth winter grasses and clovers increasing, but grazing still limited.

OREGON: Very wet week. Unusually heavy precipitation southern half of State and Cascade Mountains. Mild days temperatures averaged 3° to 7° above normal. Minima 19° to 33° east, 32° to 41° west. Maxima 46° to 74°. Daily moisture except 4 to 6 days east side with 1 to 7-inch snow cover general on 1st. Moisture totaled 0.30 to 0.90 inch northeast quadrant, 1.70 to 2.50 inches southeast, 2.50 to 5.50 inches western valleys, 6.00 to 12.60 inches Cascades and Coast. Spraying fall grains and orchards continues. Planting potatoes and green peas for processing. Plowing as weather permits. Hay supply still holding. Calving most areas. Lambing underway higher elevation ranch flocks.

PENNSYLVANIA: Warm first half of week, sharply colder latter half. Record-high temperatures through Thursday with maxima in 60's and 70's. Intense cold front entered northwest early Thursday and reached east early Friday. Temperature drop of 30° to 40° in few hours with frontal passage. Front accompanied by showers and thunderstorms, followed by sleet and snow. Up to 10 inches new snow northern mountains. Very cold over weekend with subzero readings in north. Light snow most areas. Weekly temperature near normal northwest, up to 7° to 9° above normal southeast. Total precipitation 1.00 to 1.50 inches north, 0.25 to 1.00 inch south. Snow cover Monday morning generally 2 to 6 inches west and north, up to 10 inches some mountain areas.

PUERTO RICO: (Received too late to publish in last week's Bulletin.) Well distributed light to moderate rain showers early in week. Rainfall averaged 0.84 inch or about 0.18 inch above normal. Highest weekly total 3.15 inches on Western Coast. Small area of no rain along South Coast. Temperatures averaged 74° on coast and 70° interior with mean departure of about 2° below normal. Highest maximum 91°, lowest minimum 49°. Sugarcane harvesting, cultivating, and fertilizing operations good progress, except some delay harvesting western zone due rain-showers. Coffee plantations active cultivating, fertilizing, and planting. Tobacco good progress harvesting and drying operations. Pastures northern and interior divisions developing well. South coast too dry for normal development and some browning. All minor crop zones good progress with new plantings. Good abundance bananas, citrus, and cucumbers.

PUERTO RICO: Good rains fell in northeastern half of island with little or no rain southwest. Rainfall averaged 1.34 inches or 0.71 inch above normal. Highest weekly total 4.40 inches eastern interior. Crop moisture conditions near normal all divisions except too wet in some eastern interior fields and too dry south-central coast where agricultural drought intensifying. Temperatures averaged 75° to 76° on coast and 71° interior divisions with mean departure of about 1° below normal. Highest maximum, 90°; lowest minimum, 50°. Sugarcane harvesting progressing well. 8 mills now grinding. High sucrose and good yield southwest. Coffee plantations preparing seedbeds fertilizing and applying weed and insect controls. Tobacco good progress cutting and drying. Southwest zones need more rain and other zones now planting new seedbeds and fertilizing. Pastures good to excellent all zones, except south-central coast where drought intensifying. Cattle being affected by poor pasturage. Minor crops developing well and good harvest reported all zones except southwest where too dry for optimum harvest and new plantings.

SOUTH CAROLINA: Rather warm with most highs in 70's and lowest temperature near freezing. Weekly averages ranged from 57° to 62°, some 7° or 8° above normal. Rainfall generally light and spread over 3 or 4 days. Amounts mostly 0.30 to 0.70 inches. Farm activities picked up over the State. Land preparation taking place. Beaufort harvesting practically complete collards, cabbage, kale, mixed greens. Few squash being planted. Cabbage plants being set out large scale. Tobacco beds good shape. Pruning peach trees essentially complete all areas.

SOUTH DAKOTA: Temperatures averaged up to 16° below normal. Extremes; 19° below zero at Summit on 2d; 76° at Wood on 28th. The 76 degrees at Wood is record high for date and ties record for so early in season. Precipitation fell as snow mostly middle and end of week with amounts ranging from about 0.05 to 0.30 inch. Snowfall amounts of from 1 to 5 inches accompanied by strong winds in east on 3d. Snow cover end of week ranged from none portions southwest and south-central to about 1 foot in north. Some blowing fall-seeded grains southwest and likely to continue if dry, windy conditions persist. Livestock wintered well but extreme periods cold and windy weather caused some death loss. Stock-water supplies mostly adequate. Very few shortages forage reported. Feeding and caring livestock and planning for spring work main farm activities.

TENNESSEE: Unseasonably mild through Wednesday, then cold warming at end except in east. Maxima into 70's on 28th and 29th. Precipitation mostly at midweek, totals 1.00 to 2.00 inches, heaviest on Cumberland Plateau. Snow flurries some areas Thursday. Tobacco bed preparation, care of livestock, fencing, and maintenance of buildings and equipment were main farm activities. Wet fields prevented most fieldwork. Livestock remain good condition with adequate feed supplies still on hand. Small grains good condition with very little winterkill.

TEXAS: Scattered rains fell in coastal sections and in East Texas first half of week. Elsewhere little or no precipitation fell for 3d consecutive week. Cold front dropped temperatures sharply northern half of State Wednesday with hard freeze northwest Texas Thursday morning. Planting cotton, corn, sorghum making good progress Coastal Bend, South Texas and Lower Rio Grande Valley. Sorghum stands making good progress. Heavy rains Coastal Bend made replanting cotton necessary. Irrigated wheat good progress High Plains and furnishing good to excellent grazing. Dryland wheat making good progress, but needs rain. Flax making good progress. Percent planted major crops; cotton 3, 2 last year, corn 6, 4 last year; sorghum 5, 4 last year. Lower Valley cabbage, lettuce harvest active, but lettuce harvest final stage. Carrot digging light, but increases March. Light supplies broccoli, beets, spinach, greens available. Harvest early spring onions getting underway with general harvest expected to start Lower Valley after mid-March. Other spring vegetables good growth Lower Valley. Winter Garden spinach harvest moderately active with cabbage, carrot harvest declining. Citrus harvest active Lower Valley with good movement grapefruit, valencia oranges. Citrus trees beginning to bloom. Early peaches beginning to bloom north Texas. Freezing temperatures March 2 may have caused some damage.

UTAH: Scattered rain and snow showers north half of State. Accumulated amounts light to moderate. Temperature generally 4° to 14° above normal. Fourth consecutive week with much above-normal temperatures. No precipitation since December 28: At Zions National Park -- 72 consecutive days. Little or no snow most valley farms and ranges. Soil temperature, 4-inch depth now ranging from upper 30's Cache Valley, to low 40's Salt Lake, mid-40's Richfield and mid-50's St. George. Farm flock lambing well along. Calving range outfits started. Fruit outlook good to date. Very warm weather past few weeks has spurred growth fruit trees. Pruning well along. Weed burning, irrigation ditch cleaning, spring plowing in progress lower valley farming areas. Irrigation water prospects still very good north and central Utah, but only fair south. Care and feeding cattle and sheep on winter ranges, valley farms and feedlots continues major activity, along with care and feeding dairy herds and poultry flocks.

VIRGINIA: Temperatures much above normal becoming below normal over weekend. Rain near end of week and light rain and snow over weekend. Fieldwork increased. Most activity in well-drained fields as 54% topsoil had surplus moisture. Spread fertilizer. Small grains and pastures greening. Flue-cured beds largely seeded. Prepared and gassed burley beds southwest. Pruned apples and peaches. Feed consumption dedined. Feed grain and hay good supply. Few problems with grass tetany, calf scours, and worms with young pigs. Few early lambs marketed.

WASHINGTON: Western Washington: Temperatures near normal. Precipitation 1.00 to 5.00 inches above normal. Rivers remained high and many lowlands under water. Harvest forced rhubarb and tulips and digging certified strawberry plants continued. Logging operations lower elevations interrupted by high winds. Livestock good condition on winter rations with adequate hay and

feed supplies. Eastern Washington: Average temperatures near or slightly above normal. Precipitation less than 0.50 inch most areas except 1.00 inch or more Palouse - Blue Mountains area. Few snow showers interrupted fieldwork. Wheat seeding dryland areas nearing completion. Some early fields potatoes planted. Erosion many fields continued to be problem. Muddy feedlots cause difficulties for livestock operations and led to higher incidence scours in calving.

WEST VIRGINIA: Two spring-like days with temperatures in seventies February 29-March 1, but rapid drop as rain began March 2 and turned to snow flurries March 3-5. Extremely cold air with northwestern winds and temperatures in teens as period ended. Weekly precipitation totaled one inch statewide. Farm activities mainly caring for livestock, maintaining farmstead, and pruning trees. Fieldwork limited due cold weather. Feed supplies adequate most areas. Livestock good.

WISCONSIN: Changeable weather. Snow sleet, and freezing rain most sections Wednesday. Snow again Friday night most of State. Snow depths over 40 inches many north-central stations with water equivalent of 6 inches or more. Snow depths in south mostly 6 inches and less. Frost penetration into soils very light across north half while central and southern Wisconsin frost depths range 2 to 5 feet. Winter sports continue active. Farm activities mainly barnyard chores.

WYOMING: Scattered snows, mostly light, heavy northwestern mountains. Moran reported most moisture with 2.56 inches. Temperatures averaged from 4° to 14° above normal statewide. Maxima mostly 40's to low 50's west of Divide, 50's to 60's east. Minima were mostly 8° to -17° west of Divide, 1° to 24° east. Temperature extremes were 71° at Carpenter and -17° at Big Piney.

NATIONAL FLOOD SUMMARY - Friday, March 3, 1972

Rising river stages have been reported from many sections of the 48 contiguous States in the past 24 hours and numerous streams are approaching or have exceeded flood level.

In the northern California coastal drainages the Smith River crested yesterday evening near Crescent City at 7.5 feet over flood stage while 7 foot overflow occurred in the lower Oregon coastal drainage on the Coquille River at Coquille, Oreg. Streams in this region are now receding. A little overflow is occurring in the Willamette Basin in western Oregon including the main stem of the Willamette River. The Columbia River has gone a foot above the 16 foot flood stage at Vancouver, Washington.

Overnight rains plus snow melt of the past couple of days or so resulted in general rises on central and northern New Jersey streams. In the Susquehanna Basin in Pennsylvania, rises to near or above bankfull throughout the entire basin is reported.

Flash flooding is reported on small streams in Rhode Island and in much of Connecticut and Massachusetts due to rainfall and snow melt.

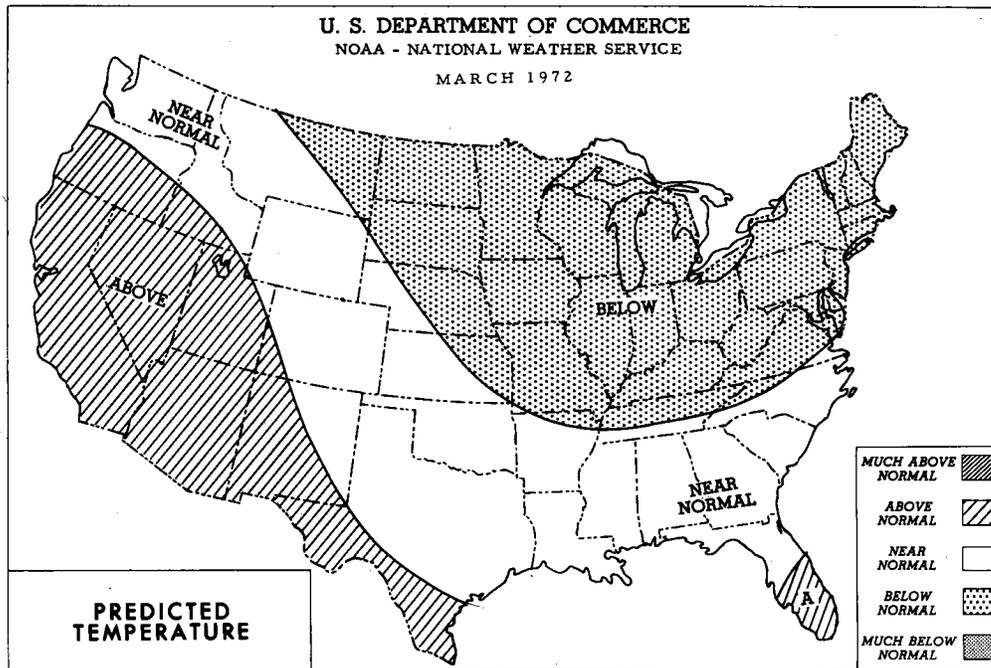
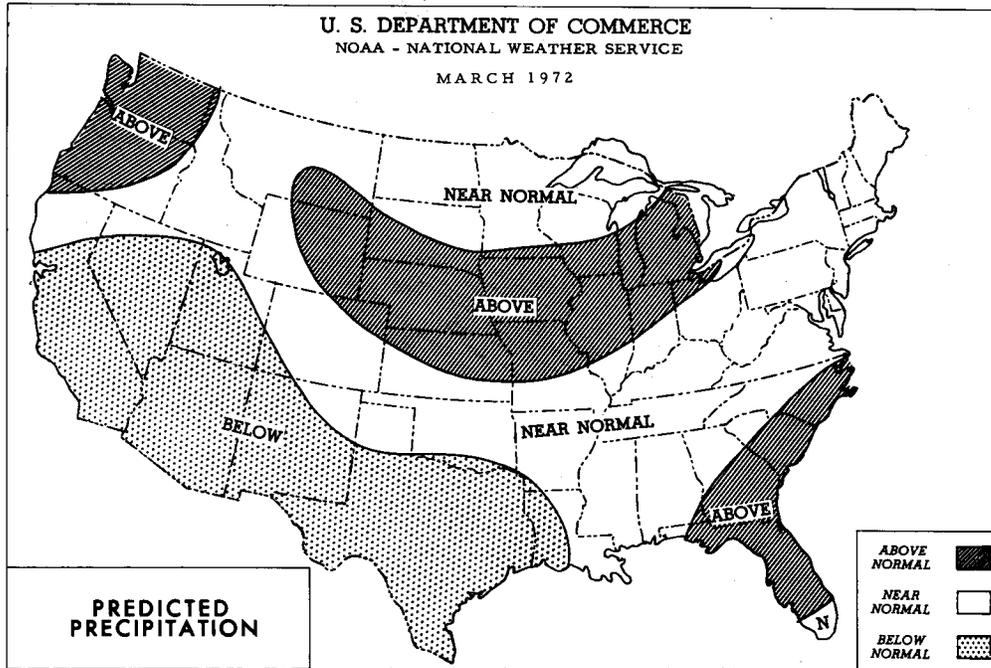
Minor overflow is developing on the Scioto River in Ohio and on portions of the White in Indiana and the Green in Kentucky. Lowland flooding is occurring in places on the Lower Ohio River from below Tell City, Ind.

Flooding has developed again on the Pearl River in Mississippi, and light overflow is developing in the Alabama River Basin in Alabama. A little scattered lowland flooding is in progress elsewhere in the east Gulf and in the South Atlantic drainages.

Precipitation: Heavy rain continued over the northern California and lower Oregon coastal drainages where Gasquet Ranger Station in northwestern California received 7.00 inches in the last 24 hours. More than 1.00 inch of rain fell over most of the lower east Gulf drainages and over eastern Tennessee and southeastern Kentucky. A few heavy amounts were noted in northeastern Pennsylvania and nearby New York State.

Hydrologic Services Division
National Weather Service

AVERAGE MONTHLY WEATHER OUTLOOK



The above prognostic charts show the expected categories of average temperature and total precipitation for the period indicated. They were extracted from the Extended Forecast Division's publication "Average Monthly Weather Outlook" which contains additional information necessary for complete interpretation.

Heating Degree Days (Base 65° F.)

FEBRUARY 1972

ALA. Birmingham . . .	526	MAINE, Caribou . . .	1698	OKLA. Okla. City . . .	660
Mobile	295	Portland	1265	Tulsa	695
Montgomery	443	MD. Baltimore . . .	884	OREG. Astoria	623
ALASKA, Anchorage .	1481	MASS. Boston	1020	Burns	989
Barrow	2439	Nantucket	1003	Medford	624
Fairbanks	----	MICH. Alpena	1403	Pendleton	793
Juneau	1320	Detroit	1165	Portland	607
Nome	1479	Flint	1226	Salem	627
ARIZ. Flagstaff . . .	956	Grand Rapids	1240	PA. Allentown	1102
Phoenix	174	Houghton Lake	1401	Erie	1217
Tucson	259	Lansing	1246	Harrisburg	1001
Winslow	711	Marquette	1447	Philadelphia	941
Yuma	129	S. Ste. Marie	1566	Pittsburgh	1112
ARK. Fort Smith . . .	616	MINN. Duluth	1698	Scranton	1175
Little Rock	525	Internatl Falls	1848	R. I. Providence	1064
CALIF. Bakersfield . .	286	Minneapolis	1576	S. C. Charleston	463
Eureka	456	Rochester	1521	Columbia	555
Fresno	357	St. Cloud	1690	Greenville	694
Los Angeles	132	MISS. Jackson	410	S. DAK. Aberdeen	1603
Red Bluff	422	Meridian	404	Huron	1510
Sacramento	203	Vicksburg	---	Rapid City	1182
San Diego	368	MO. Columbia	901	Sioux Falls	1551
San Francisco	394	Kansas City	920	TENN. Chattanooga	721
COLO. Denver	832	St. Louis	884	Knoxville	735
Grand Junction	813	Springfield	767	Memphis	582
Pueblo	756	MONT. Billings	1118	Nashville	667
CONN. Bridgeport . . .	1009	Glasgow	1579	TEX. Abilene	464
Hartford	1125	Great Falls	1226	Amarillo	692
D. C. Washington . . .	817	Havre	1520	Austin	298
FLA. Apalachicola . .	291	Helena	1102	Beaumont	291
Ft. Myers	60	Kalispell	1118	Brownsville	93
Jacksonville	289	Miles City	1374	Corpus Christi	166
Key West	8	Missoula	1062	Dallas	412
Lakeland	139	NEBR. Grand Island . .	1089	Del Rio	228
Miami	39	Lincoln	1046	El Paso	364
Orlando	124	Norfolk	1251	Fort Worth	398
Pensacola	----	North Platte	1013	Galveston	211
Tallahassee	337	Omaha	1188	Houston	295
Tampa	139	Valentine	1180	Lubbock	520
GA. Atlanta	643	NEV. Ely	936	Midland	446
Augusta	523	Las Vegas	373	San Angelo	382
Macon	493	Reno	709	San Antonio	263
Savannah	401	Winnemucca	808	Victoria	229
IDAHO, Boise	818	N. H. Concord	1267	Waco	368
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Agricultural Climatology Service Office
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Publication of this bulletin began in 1872 as the Weekly Weather Chronicle. It is now issued under general authority contained in the Act of January 12, 1895 (44 USC 213), 53d Cong., Ill. Sess. Quotation or reproduction of this material is encouraged. Please give credit to this publication and, in case of special articles, to authors.

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