

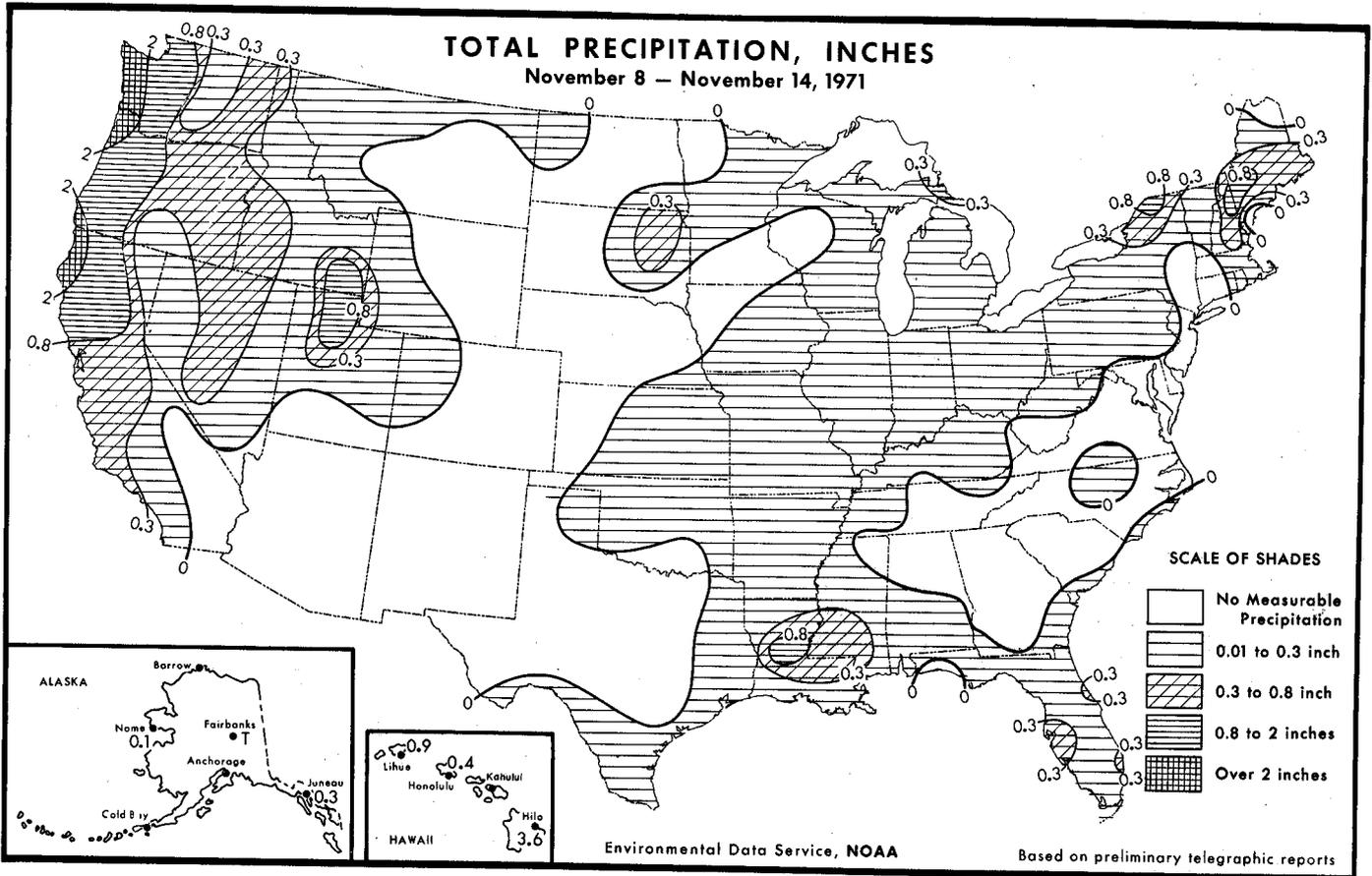
Weekly Weather & Crop Bulletin

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

U. S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service

Volume 58, No. 46

Edited by Lucius W. Dye November 15, 1971 Washington, D. C.



NATIONAL WEATHER SUMMARY

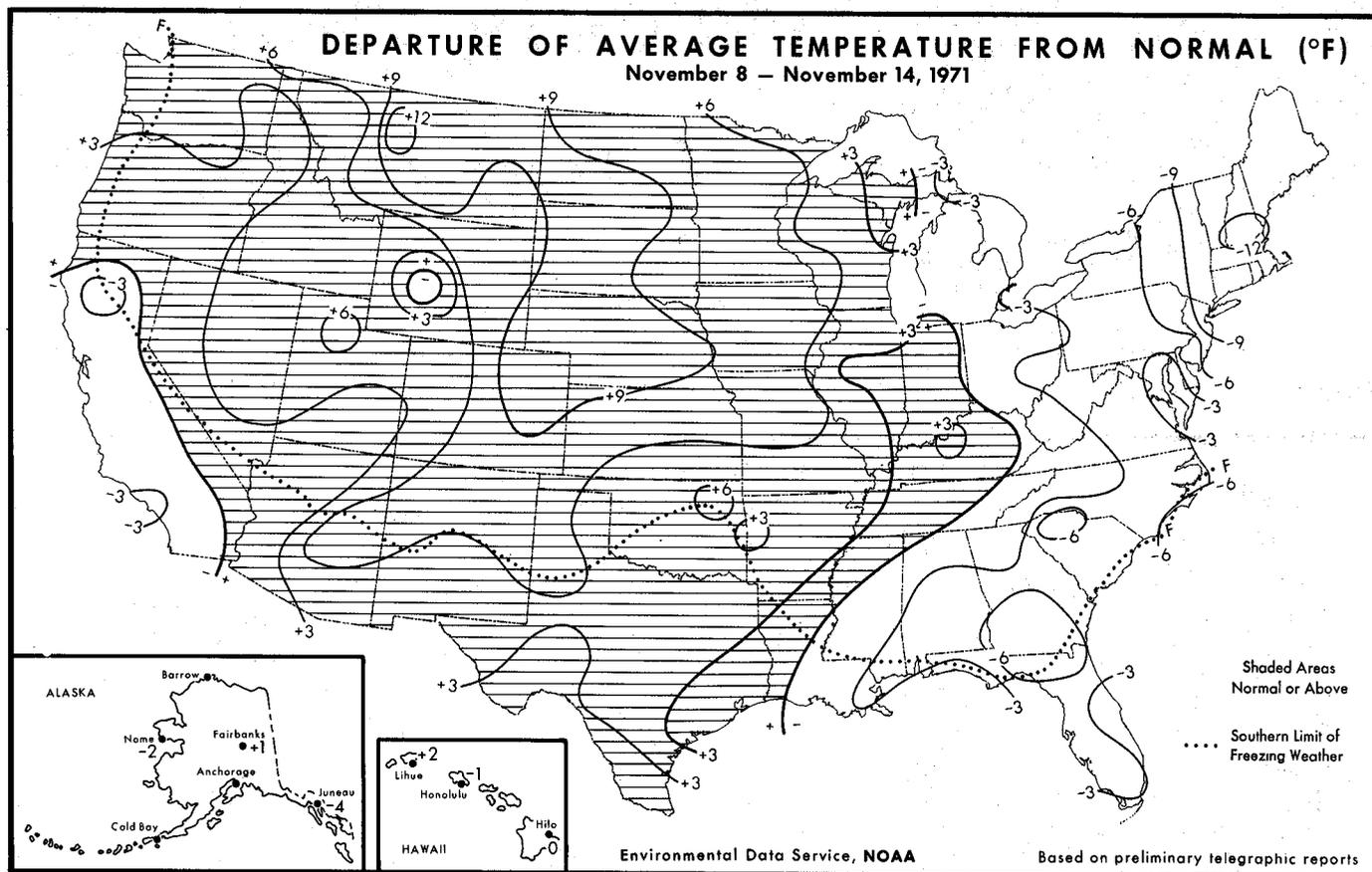
HIGHLIGHTS: Fair, dry weather was the general rule over most of the Nation this week. After some precipitation early in the week, the Nation's midsection enjoyed record warm temperatures and clear skies. Most precipitation was confined to the two northern corners of the United States.

PRECIPITATION. On Monday, a pair of cold fronts set off rain and shower activity from the mid-Mississippi Valley to the southern plains and also across Washington and Oregon. Some snow was experienced in the Appalachians as cold air overrode the relatively warm waters of the eastern Great Lakes. Light snow continued through this area on Tuesday. Showers from the lower Great Lakes and the Ohio Valley to southeast Texas occurred on Tuesday. In response to a low pressure system centered near Vancouver Island, winds lashed the Pacific Northwest coastlines.

Cape Blanco, along the southern Oregon coast, recorded sustained winds of 63 m.p.h. with gusts to more than 80 m.p.h.

A general improvement of weather conditions developed on Wednesday, with sparse precipitation confined to portions of the East Coast States. A few light showers also persisted in the Pacific Northwest, with winds slowly diminishing. Winter-like conditions over New England brought a miserable combination of rain, sleet, and snow.

Through the remainder of the week, precipitation was generally limited to the two northern corners of the Nation. Light snow persisted over the New England area. One to 3.00 inches of new snow fell within 6 hours Thursday morning over New Hampshire and Vermont. An inch of snow at Logan International Airport, Boston, was the earliest that an inch or more has occurred since November 5, 1892. Rains from the low centered



off the Oregon coast continued to bring precipitation to the Northwest. Some snow was reported in the mountains of the Pacific States and northwest Nevada. Early Friday showers were scattered across northern and central California, with fog over-running most of Washington and Oregon.

Over the weekend, most precipitation was confined to the northwestern portion of the Nation. A strong cold front triggered showers and thunderstorms as it moved across the Plateau region. Behind the front, rain turned to snow at the higher elevations. Austin, Nev., received 6 inches of new snow Friday afternoon. An additional 5 inches fell over the weekend. On the coast, gusty winds resulted in small craft and gale warnings along most of the coast. Cape Blanco, in southwest Oregon, had gusts to 50 to 55 m.p.h. Saturday morning.

TEMPERATURE: Twenty-one localities reported record lows for the date on Monday to start the week off on a cool note. Temperatures dropped to 13° at Madison, Wisc., Sault Saint Marie, Mich, and Columbus, Ohio, and 24° at Birmingham, Ala. One to 3.00 inches of snow covered much of New York and New England.

On Tuesday, two large high pressure systems continued to bring fair and dry weather to most of the Nation. A high centered over the Central Appalachians, covering the eastern one-third of the Nation, brought record low temperatures to the New England area. A record low of 14° at Albany, N.Y., was the lowest reading ever for so early in the season. Record lows set in 1887 were broken at Rochester, N.Y. (30°), Boston, Mass. (24°), and Erie, Pa. (24°).

On Wednesday, a turn to more pleasant weather occurred over most of the Nation. A sunny, dry day, temperatures were in the 50's or higher over most of the land except portions of the Great Lakes region and the northeast. Readings were in the 70's and 80's from Florida to southern California. A late spell of Indian summer warmed portions of the Great Plains: Great Falls, Mont. (67°), Rapid City, S.D. (75°), and Denver, Colo. (75°). Similar readings continued through the remainder of the week across the Nation's mid-section. On Thursday, Sioux City, Iowa, reached 77°; Pueblo, Colo. (83°); Grand Island, Nebr. reached 72°, a record high for the date. Similar readings continued on Friday as dry air from the Southwest combined with Far Pacific air which was warming and drying as it moved down the western slopes of the Rockies into the interior.

The warm weather across the Central States continued to be the major weather story through the weekend, with record temperatures occurring every day. Chicago reported 78° Sunday afternoon, the highest reading ever for late in the season. A high of 71° at Madison, Wisc., was also the highest ever for so late in the season.

The northeastern and northwestern portions of the Nation were not so fortunate. Clear skies and arctic air combined to set record low temperatures across New York and portions of New England. A reading of 12° at Albany, N.Y., Sunday morning was a record minimum for the date. In the Northwest, cool temperatures were accentuated under a siege of rain, snow, and high winds along the Pacific coast.

R. E. Felch

NATIONAL AGRICULTURAL SUMMARY

AGRICULTURAL HIGHLIGHTS: Nationwide weather conditions were ideal for harvesting. * Fields dried enough to let harvest resume in North Carolina and Virginia. * Pecan gathering rapid. * Nice weather extending grazing season.

SMALL GRAINS: Indian summer weather aided the growth of fall-seeded grains West of the Mississippi River. Moisture is ample in this area and winter wheat will be going into dormancy in slightly better condition than last year. Strong winds resulted in moderate soil blowing in Colorado, causing light damage to winter wheat. Wind damage has been nearly non-existent in other States so far this fall. Texas growers are seeding their final fields of wheat and oats. Seeding also made good progress in Arizona and California. Seeding is complete in the Pacific Northwest with grain emerging very evenly.

Farmers continue to seed wheat, oats, and barley in the South. Fields are becoming very dry from Arkansas to Florida and a good rain is needed to spark germination and growth. Grain seeding is behind schedule from the Carolinas to Virginia -- but for another season -- too much rain. The cotton and soybean crops must be harvested before the last grain fields will be sown in the South.

CORN: Nearly perfect corn harvesting weather kept Corn Belt farmers on the go all week. Growers were able to pick corn to 6 to 7 days and excellent headway was made. Many growers have started picking their last fields and if clear weather holds most of the crop will be in the crib by next week. The Illinois and Iowa crops are over 90 percent picked. However, available storage space is scarce in these States and some farmers and elevators have started piling the bumper crop on the ground. The moisture level of corn is ideal for storing and very little artificial drying is needed. Drying fields permitted Minnesota and Wisconsin growers to resume harvest activities and make up for lost time. Wet fields had held up harvest operations in these 2 States the past few weeks. Of all the Corn Belt States, Wisconsin is the only one with less than 80 percent of the crop harvested. Overall harvest progress is even ahead of last fall's fast pace.

Picking made favorable progress in North Carolina and Virginia for the first time since mid-September. However, some fields were still wet and limited headway. Picking also gained some ground in Maryland. Kentucky growers have most of their crop picked. Alabama growers are picking one of their best crops -- 3/4 is harvested.

SOYBEANS: Farmers put the final touches to this fall's soybean harvest in the North Central States. Combines moved steadily across the fields as beautiful weather aided operations. Soybean combining moved along very well in Minnesota and Wisconsin for the first time since mid-October. Less than 5 percent of the acreage remains to be combined in Ohio, Illinois, Iowa, South Dakota, and Nebraska. Combining of late and weedy fields increased since last week's freeze in Indiana and Kentucky.

The weather finally took a turn for the dryer along the Atlantic Seaboard. Soybean growers in rain soaked North Carolina and Virginia were finally able to get back into their fields and resume harvesting. Water damage is high and some fields were abandoned. Another dry week

allowed growers to make excellent headway in the South -- progress is well ahead of last season.

COTTON: For the 1st time this season, cotton picking advanced steadily from California to the Carolinas. The lack of rain enabled cotton pickers to work almost uninterrupted. Rains did slow picking in California's San Joaquin Valley. Fields dried out in Texas and in the Carolina's to let harvest operations resume and make up for lost time. Picking is well behind last season in these 3 States. In contrast -- picking is well ahead of 1970 in States bordering the Mississippi River. Destroying harvested cotton stalks is well ahead of normal in Arkansas.

OTHER CROPS: Sorghum grain harvesting took a giant stride towards completion during the week. The weather finally cleared over Texas and combining was rapid. The tempo of harvesting was also excellent from California to the Atlantic ocean. Nebraska growers have only 3 percent of their acreage to cut, but most of the remaining fields are down and tangled. Burley tobacco stripping was active. Kentucky and Virginia growers were starting to place burley on warehouse floors as the market opens November 22. Peanut combines returned to the fields in force in North Carolina and Virginia as fields became dry enough to work. About 75 percent of the crop is harvested, but losses are heavy. Some unharvested potatoes were lost in North Dakota due to the freeze. Planting was delayed in Dade County, Florida. Sweetpotato digging is in the final stages in Louisiana and North Carolina.

Fruits and Nuts: Fruit harvesting is in the cleanup stage in the North. Focus is returning to the South where gathering of this year's pecan crop is gaining momentum. The Texas crop will be half picked by next week. Moisture supplies are adequate for Florida orange trees and very little irrigating is being done. Citrus picking is becoming more active in Florida, Texas and Arizona as more groves are ready for picking. Frost damaged Oregon's walnut crop -- picking is complete in California.

Vegetables: Cabbage and cauliflower cutting is about finished in Michigan, but cutting is active in Oregon. Sauerkraut plants are still receiving cabbage in New York. Snap bean picking is closing out in the Charleston-Beaufort area of South Carolina. Cool temperatures slowed maturity of tender crops in Florida. Steady supplies of sweet corn, cucumbers and squash are coming out of Florida -- tomato picking is increasing. Tomato picking also started in the Lower Valley of Texas. Lettuce cutting increased in Arizona during the week. Sweet corn and tomato supplies are light from southern California.

PASTURES AND LIVESTOCK: Nice weather is extending the grazing season in most areas of the Country. Many herds are foraging in harvested corn and sorghum fields. Grass pastures are deteriorating in many States as dry weather holds. Feeding of hay and other roughages started on many farms during the week. Some livestock producers in Illinois are being forced to haul water due to the drying of wells and ponds. Calf weaning is active in Nebraska as fall roundups are in progress. Livestock marketing is heavy as stockmen strive to sell their surplus animals before winter arrives.

Steve J. Pscodna
Agricultural Statistician

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., November 14, 1971

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	- 4	T	- .8	New Orleans	57	- 4	.2	- .6	OKLA. Okla. City	55	+ 5	T	- .4
Mobile	57	- 3	.3	- .4	Shreveport	60	+ 3	.1	- .9	Tulsa	56	+ 7	.2	- .3
Montgomery	52	- 4	.1	- .6	MAINE. Caribou	22	-11	T	- .8	OREG. Astoria	51	+ 4	2.3	- .1
ALASKA. Anchorage	---	---	---	---	Portland	30	-10	0	-1.0	Burns	39	+ 1	.3	0
Barrow	---	---	---	---	MD. Baltimore	45	- 2	T	- .7	Medford	45	+ 1	1.0	+ .4
Fairbanks	7	+ 1	T	- .1	MASS. Boston	36	-10	.3	- .6	Pendleton	46	+ 4	.4	+ .1
Juneau	31	- 4	.3	-1.2	Chatham	37	---	.1	---	Portland	48	+ 2	1.7	+ .5
Nome	16	- 2	.1	- .2	MICH. Alpena	35	- 2	.1	- .5	Salem	47	+ 1	1.8	+ .5
ARIZ. Flagstaff	39	+ 2	T	- .2	Detroit	39	- 3	.2	- .3	PA. Allentown	37	- 7	T	- .7
Phoenix	65	+ 6	T	- .1	Flint	39	0	.2	- .3	Erie	38	- 4	.4	- .4
Tucson	64	+ 5	0	- .2	Grand Rapids	39	- 1	T	- .6	Harrisburg	41	- 4	.1	- .5
Winslow	51	+ 8	0	- .1	Houghton Lake	34	- 2	.1	- .5	Philadelphia	41	- 5	T	- .8
Yuma	64	+ 1	0	0	Lausling	39	- 1	.2	- .3	Pittsburgh	41	- 2	T	- .6
ARK. Fort Smith	54	+ 2	.1	- .6	Marquette	38	+ 2	T	- .7	Scranton	34	- 7	.1	- .6
Little Rock	55	+ 4	T	-1.0	Muskegon	40	- 1	.3	- .4	R. I. Providence	34	-11	T	- .9
CALIF. Bakersfield	56	- 1	.1	0	S. Ste. Marie	31	- 4	.4	- .4	S. C. Charleston	54	- 3	.1	- .4
Eureka	52	0	3.7	+2.7	MINN. Duluth	37	+ 7	.2	- .2	Columbia	50	- 5	0	- .5
Fresno	53	- 2	.6	+ .4	Internatl Falls	32	+ 5	.2	- .2	Greenville	47	- 6	T	- .6
Los Angeles	60	- 4	.3	+ .1	Minneapolis	40	+ 6	T	- .3	S. DAK. Aberdeen	41	+ 9	.4	+ .2
Red Bluff	52	- 4	1.1	+ .6	Rochester	41	+ 7	T	- .4	Huron	42	+ 8	.4	+ .2
San Diego	61	- 2	T	- .2	St. Cloud	39	+ 7	T	- .3	Rapid City	46	+ 9	T	- .1
San Francisco	54	- 2	.7	+ .4	MISS. Jackson	55	- 2	.4	- .4	Sioux Falls	43	+ 8	T	- .3
Stockton	53	- 2	.6	+ .3	Meridian	53	- 3	.2	- .5	TENN. Chattanooga	48	- 3	T	- .8
COLO. Denver	48	+ 9	0	- .2	MO. Columbia	52	+ 7	.1	- .5	Knoxville	49	- 1	T	- .7
Grand Junction	44	+ 3	T	- .2	Kansas City	54	+ 8	.2	- .3	Memphis	55	+ 3	T	-1.0
Pueblo	50	+ 9	0	- .2	St. Louis	51	+ 5	T	- .6	Nashville	52	+ 2	0	- .8
CONN. Bridgeport	35	-11	T	- .9	Springfield	51	+ 4	.2	- .5	TEX. Abilene	60	+ 5	0	- .3
Hartford	35	- 9	T	- .9	MONT. Billings	47	+10	T	- .1	Amarillo	54	+ 6	0	+ .2
D. C. Washington	46	- 3	0	- .7	Glasgow	41	+10	0	- .1	Austin	64	+ 4	0	- .5
FLA. Apalachicola	59	- 3	.3	- .3	Great Falls	49	+13	T	- .2	Beaumont	---	---	---	---
Ft. Myers	68	- 3	T	- .3	Havre	43	+11	.2	+ .1	Brownsville	70	+ 1	T	- .3
Jacksonville	57	- 6	T	- .4	Helena	41	+ 7	T	- .1	Corpus Christi	69	+ 4	T	- .4
Key West	75	0	.2	- .4	Kalispell	37	+ 5	.2	- .1	Dallas	62	+ 5	0	- .7
Lakeland	64	- 4	.5	- .1	Miles City	43	+ 8	T	- .1	Del Rio	63	+ 3	T	- .2
Miami	71	- 3	.2	- .5	Missoula	35	+ 3	.2	0	El Paso	57	+ 4	0	- .1
Orlando	65	- 2	.1	- .3	NEBR. Grand Island	49	+10	0	- .2	Fort Worth	62	+ 5	0	- .6
Tallahassee	53	- 7	.1	- .4	Lincoln	50	+ 7	T	- .3	Galveston	67	+ 2	0	- .9
Tampa	63	- 5	.4	+ .1	Norfolk	47	+ 9	0	- .3	Houston	62	+ 2	T	- .9
GA. Atlanta	50	- 3	T	- .7	North Platte	45	+ 8	T	- .1	Lubbock	57	+ 7	T	- .1
Augusta	51	- 4	T	- .4	Omaha	49	+ 9	0	- .3	Midland	57	+ 3	T	- .1
Macon	51	- 6	T	- .5	Valentine	46	+10	0	- .2	San Angelo	59	+ 3	T	- .2
Savannah	55	- 3	.1	- .4	NEV. Ely	40	+ 5	.3	+ .2	San Antonio	65	+ 4	T	- .3
HAWAII. Hilo	74	0	3.6	+ .6	Las Vegas	56	+ 2	0	- .1	Victoria	66	+ 2	T	- .6
Honolulu	76	- 1	.4	+ .1	Reno	41	+ 1	.2	+ .1	Waco	63	+ 5	T	- .3
Kahului	---	---	---	---	Winnemucca	40	+ 3	.7	+ .5	Wichita Falls	59	+ 5	T	- .3
Lihue	77	+ 2	.9	- .1	N. H. Concord	26	-14	.3	- .6	UTAH. Blanding	43	+ 3	0	- .2
IDAHO. Boise	45	+ 5	.7	+ .4	N. J. Atlantic City	39	- 9	0	- .9	Salt Lake City	46	+ 8	.8	+ .5
Lewiston	41	0	.1	- .2	Trenton	40	- 7	T	- .8	VT. Burlington	27	-10	.1	- .6
Pocatello	41	+ 4	.8	+ .6	N. MEX. Albuquerque	51	+ 6	0	- .1	VA. Lynchburg	44	- 5	T	- .6
ILL. Cairo	54	+ 4	T	- .9	Roswell	53	+ 6	0	- .1	Norfolk	50	- 3	T	- .7
Chicago	46	+ 4	.1	- .4	N. Y. Albany	31	-10	T	- .6	Richmond	47	- 4	0	- .7
Moline	43	+ 1	.1	- .4	Binghamton	31	- 9	.3	- .3	Roanoke	46	- 2	T	- .6
Peoria	44	+ 2	.1	- .4	Buffalo	36	- 5	.3	- .5	WASH. Colville	40	+ 6	.6	+ .1
Rockford	43	+ 3	.1	- .5	New York	39	-11	T	- .8	Omak	39	+ 3	.8	+ .2
Springfield	48	+ 4	.1	- .5	Rochester	36	- 6	.1	- .5	Quillayute	49	+ 4	3.8	+ .7
IND. Evansville	48	+ 1	.2	- .6	Syracuse	32	-10	.6	- .1	Seattle-Tacoma	49	+ 4	1.5	+ .3
Fort Wayne	41	0	.2	- .4	N. C. Asheville	45	- 3	T	- .5	Spokane	39	+ 2	.6	+ .1
Indianapolis	45	+ 2	.1	- .6	Charlotte	46	- 6	T	- .6	Walla Walla	47	+ 4	.4	0
South Bend	42	+ 1	.2	- .5	Greensboro	47	- 2	.1	- .5	Yakima	42	+ 3	.3	+ .1
IOWA. Burlington	47	+ 5	.1	- .4	Hatteras	52	- 6	.2	- .8	W. VA. Beckley	42	- 2	T	- .7
Des Moines	47	+ 8	.2	- .2	Raleigh	47	- 5	.1	- .5	Charleston	45	- 2	T	- .7
Dubuque	43	+ 6	.1	- .5	Wilmington	51	- 6	T	- .6	Huntington	46	- 1	T	- .6
Sioux City	47	+ 8	0	- .3	N. DAK. Bismarck	38	+ 7	T	- .2	Parkersburg	44	- 3	T	- .5
KANS. Concordia	50	+ 7	.2	0	Fargo	38	+ 7	.6	+ .4	WIS. Green Bay	39	+ 3	.1	- .4
Dodge City	53	+ 8	0	- .2	Williston	39	+ 9	T	- .1	La Crosse	43	+ 6	T	- .5
Goodland	49	+ 9	T	- .1	OHIO. Akron-Canton	39	- 4	.1	- .4	Madison	40	+ 4	T	- .6
Topeka	52	+ 7	.1	- .3	Cincinnati	46	0	0	- .6	Milwaukee	41	+ 3	.1	- .5
Wichita	50	+ 4	.2	- .2	Cleveland	41	- 2	.1	- .5	WYO. Casper	42	+ 7	0	- .2
KY. Lexington	49	+ 2	T	- .8	Columbus	40	- 3	.1	- .5	Cheyenne	45	+10	0	- .2
Louisville	49	+ 3	T	- .7	Dayton	42	- 2	.1	- .5	Lander	31	- 2	0	- .3
LA. Baton Rouge	58	- 2	.6	- .6	Toledo	39	- 1	.1	- .4	Sheridan	42	+ 7	0	- .2
Lake Charles	61	0	T	- .9	Youngstown	38	- 3	T	- .7	P. R. San Juan	81	+ 3	.4	-1.2

* 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: Mostly cloudy with some light rain early in week. Clear and cold Wednesday and Wednesday night with frost all but extreme south. Mostly fair with rising temperatures Thursday through Sunday with mild nights and warm days. Temperatures averaged about normal. Precipitation light or none with amounts generally less than 0.10 inch. Open weather favored harvest. Seeding small grains restricted by lack moisture southern counties. Soil moisture short to adequate northern and central Alabama. Cotton harvest about 3/4 complete - about same as last year. Corn harvest 75% complete, 80% year ago -- one of best crops ever. Good progress soybean harvest, about 1/2 harvested - slightly less than 1/2 year ago. Loading ships resumed Port of Mobile, but more trouble developed concerning this "off again, on again" situation over weekend. Harvest pecans full swing. Small grains need rain. Quality pastures seasonally poor, many stockmen started feeding.

ARIZONA: Temperatures were above normal most of week falling near normal on weekend. Skies were clear much of week becoming partly cloudy on weekend with widely scattered showers but most precipitation amounts were too small to measure. Cotton harvest active. Some yields reduced pink bollworm damage. Residue disposal underway harvested fields. Sorghum harvest active, earlier planting yields good. Later plantings producing yields below expectations. Land preparation and seeding small grains continue. Fall lettuce harvest continued Salt River Valley, Pima, and Pinal Counties. Lettuce harvest underway Wellton area, Yuma County. Planting, thinning, and spraying lettuce and vegetables other Yuma areas. Harvest navel oranges, lemons, Algerian tangerines, few grapefruit underway Salt River Valley. Lemon harvest volume increasing Yuma. Some orlando tangelos and grapefruit being picked. Soil moisture short. Stockwater generally adequate. Forage remains adequate. Cattle, calves, sheep fair to good.

ARKANSAS: Cool weather early in week with warming trend remainder. Precipitation light. Heaviest northwest and north-central with Greers Ferry reporting 0.70 inch. Highest temperature 84° at Texarkana on 13th and 14th. Lowest 23° at Fayetteville on 10th. Another week open weather permitted harvest to advance. Cotton about 90% picked, soybeans 80% to 85% combined. Destroying cotton stalks and plowing and disking cotton and soybean land progressing ahead normal. Fall seeding continuing Delta, but moisture badly needed for germination and growth. Pastures short over much of State, upland counties very short. Stockmen taking cattle off winter pastures many localities, feeding hay and other roughage. Stockwater remaining short some areas. Cattle fair to good - weight losses driest areas.

CALIFORNIA: Moderate rain on Thursday and Friday all but southeastern districts. Amounts ranged from 4.00 inches in northern to 2.00 inch south. About 0.25 inch fell on southern coast. Slightly warmer throughout State. Rain-soaked corn, sorghum, rice, and winter wheat harvest. Final activity as fields dry. Winter grain seedbed

preparation slow. Moisture needed. Dry bean harvest finishing up. Cotton harvest slowed by rain San Joaquin. Most first picking completed. Pruning fruit underway. Walnut and grape harvest nearly complete. Color breaking navel orange; most fruit not mature. Size, quality good. Lemon harvest continues. Rainfall beneficial to ranges. Fire hazard reduced southern California. Water supplies adequate. Turkeys moving to processors. Artichoke movement light. Santa Maria, Salinas broccoli, cauliflower harvest light. Central coast carrots moderate. Celery Oxnard underway. Santa Maria, Salinas good volume. Sweet corn picking southern California light. Palo Verde lettuce underway. Bakersfield harvesting active; Westside nearly complete. Salinas, Brentwood complete. Bell peppers supply limited. Potato digging Tulalake slow. Sweetpotatoes Merced moderately active. Market tomatoes southern California expected lighter this week. Stocking greens moving light supply.

COLORADO: Warm through week; cooler over weekend. Dry except mostly light snow or rain mountains and west. Some windy periods east. Weather ideal for harvest. Fall plowing and disking excellent progress. Strong winds weekend caused moderate soil blowing and light damage to winter wheat. Surface soil moisture short to adequate. Driest areas southeast and south-central. Winter wheat condition good to excellent. Winter barley good. Winter wheat 8% utilized for pasture. Volunteer wheat, stubble fields and beet tops providing excellent feed. Corn grain 72% harvested. Sorghum 74% in. Sugar beet harvest 96% complete. Range and pasture condition fair. Livestock good.

FLORIDA: Cold fronts pushing into Florida on weekend of 6th and 7th and during midweek caused sharply lower temperatures. In northern Florida, average temperatures dropped 8° to 12° in 1 week, averaging 6° below normal. In southern Florida, the drop averaged 3° to 6° with temperatures 1° to 3° below normal. Scattered frost with a low of 28° at Tallahassee on 11th setting a record for that date. Low temperatures for week were 27° at Tallahassee on 12th, 29° at Smith Creek on 11th, and 29° at De Funiak Springs on 12th. Rainfall averaged 0.20 inch northern sections, 0.50 inch central sections, and 0.75 inch southern sections. Drought continues delay small grain planting western Panhandle. Other areas growing. Soybean and cotton harvest active. Pastures declining seasonally. Some frost north. Citrus trees and fruit excellent, moisture adequate. All early fruit coloring well. Valencias still dark and green. New growth retarded by cool temperatures. Cool temperatures slowed maturity tender crops, but were beneficial for hardier plants. Sweet corn, cucumbers, eggplant, radishes, squash mostly steady supply. Snap beans, celery, escarole, lettuce, peppers increasing. Tomato harvest increasing all areas. First loads cabbage moving. Lettuce supplies very light. Planting red and white potatoes delayed Dade County. Reds off to good start Ft. Myers-Immokalee. Whites being planted. Strawberries about all set, growing well.

GEORGIA: Beautiful autumn weather with mild sunny days and cool nights. Coolest first half of week with freezing and frost north and central. Much warmer last half. Highs reached 70's all areas weekend. Averages ranged from near normal north to 3° below normal south. Cloudy with light rain Tuesday and Tuesday night; otherwise fair. Rain-fall amounts generally less than 0.10 inch. Soil moisture adequate. Harvest cotton, corn, soybeans, and pecans remains active. Seeding small grains continued. Condition fall-seeded small grains good.

HAWAII: Frequent showers. Harvesting sugarcane normal. Pineapple planting active. Vegetable supplies increasing. Papaya harvesting declining seasonally. Pastures improving with recent rain.

IDAHO: Temperatures returned to normal north and southwest and to slightly above normal elsewhere. Light to moderate precipitation north first half of week. Southern totals ranged from none to 0.29 inch. No significant precipitation east. Sugar beet harvest resumed with good progress made. Fall tillage operations underway. Potatoes and onions being sorted and graded for shipment and processing.

ILLINOIS: Precipitation light and spotty at beginning of week and again at midweek. Many locations had season's first snow. Amounts generally from trace to 1 inch. Temperatures ranged 12° to 79°. Record lows and highs occurred at many locations. Corn harvest 95% complete, last year 85%. Near ideal corn harvest weather. Corn yields good to excellent. Available storage space problems exist all areas. Some farmers and elevators storing corn on ground. Corn moisture ranges near ideal for storage. Intended 1972 corn and soybean acreage 50% plowed, last year 35%. Dry weather accelerated fieldwork and fall plowing remains 2 weeks ahead normal. Pastures providing 45% livestock roughage requirement, last year 60%. Pastures suffered more than other crops from dry weather this year. Pastures 4% excellent, 34% good, 45% fair, 17% poor. Soil moisture 59% short, 41% adequate. Ponds and wells extremely low some areas requiring farmers to haul water for livestock. Nearly entire week suitable for fieldwork. Main activities corn harvesting, shredding stalks, disking, plowing and applying fertilizer.

INDIANA: Warm week. Temperatures averaged 4° above normal. Snow and freezing temperatures early in period. On weekend, near record high temperatures for date reaching middle 70's. Four week precipitation totals lowest of growing season, 1.00 to 1.50 inches below normal. Fall harvest active as 5 days suitable fieldwork. Rain and crowded elevators slowed corn harvest some areas. Corn 80% harvested, ahead 75% last year, 50% average. Last week's freeze killed weeds in soybeans, opening new fields for harvest. Soybeans 90% combined, 75% last year, 85% usual. Winter wheat 95% emerged, slightly ahead 90% last year. Stands rated mostly good to excellent. Sorghum grain 70% harvested. Pastures rated fair to good. Apples 95% picked. Topsoil and subsoil moisture adequate.

IOWA: A warm dry week. Rain and snow southeast 2/3 State on Monday. Snowfalls up to 3.50 inches at Elkader. Corn harvest made excellent progress due favorable weather conditions. Corn 90% picked, compared less than 80% last year, and well ahead 5-year average 65%. Bumper corn crop taxing storage space many areas of the State. Soybean

harvest over 95% complete, little ahead average, but well ahead last year's 80%. Grain sorghum over 90% harvested, compared 75% last year. Other farm activities include stalk shredding and fall plowing. Over 6 days suitable fieldwork. Topsoil moisture supply 7% short, 90% adequate and 3% surplus.

KANSAS: Generally fair and mild. Weekly mean temperatures averaged 4° to 9° above seasonal. Maxima in 80's part southern Kansas November 11, 12. Light to moderate precipitation east 8th; no significant moisture west. Harvest fall crops moved ahead under mild dry weather. Sorghum grain harvest 84% complete, 83% last year and 80% average. Corn 88% harvested, 86% year ago, 79% average. Soybean combining 87% complete, 74% year earlier and range 74% to 98% past 9 years. Sugar beet harvest active southwest. Wheat and other small grains excellent growth. Fall-seeded alfalfa fields good development. Considerable progress with fall plowing. Cattle movement active. Stockmen weaning calves. Cattle being placed on wheat pastures.

KENTUCKY: Cool to cold early week, then warming and Indian summer weather last several days. Afternoon temperatures in 70's 13th and 14th, near record or record high temperature readings on 14th at a number of locations. Few light rain showers or snow flurries on 9th and mostly sunny other days. Little or no measurable precipitation. Favorable harvesting weather. Most corn harvested. Combining late and weedy soybean fields active since freeze on 4th. Yields corn and soybeans excellent. Burley stripping active as weather permits. Warehouses accepting delivery burley tobacco and market opens November 22. Fall seeded grain good condition. Pastures good.

LOUISIANA: Weekly temperatures above normal north and west; below normal southeast. First of week cool, scattered freezes Monday and Thursday. Warmer weekend. Temperature extremes: 84° Monroe Saturday, 25° Winnsboro last Monday. Precipitation confined to scattered showers early in week. Totals ranged from less than 0.10 inch to more than 1.00 inch in heavier shower areas. Greatest 1-day total reported, 0.92 inch Leesville 8 a.m. Tuesday. Harvest interrupted by scattered showers early week, but made fair to good progress. Moisture beneficial to fall-seeded grains and rye grass, but still short over most of State. Cotton 95% open, 75% picked, soybeans 85% harvested, sugarcane 35%, sorghum 95%, sweetpotatoes 95%. Pecan harvest active. Some wheat and oats seeded, now 90% to 95% complete. Pasture feed below average. Livestock good.

MARYLAND AND DELAWARE: Cool and dry. Temperatures averaged 3° to 5° below normal. Extremes mostly 60's, low and mid-20's except for teens in west. Corn and soybean harvest made some progress, but still behind normal. Greatest lag soybean combining. Tobacco growers continue stripping 1971 crop, some preparation seedbeds for next year. Fruit harvest ended, little damage from freeze. Pastures above normal.

MICHIGAN: Record setting cold snap as period began moderated slowly throughout week. Mild as period ended. Light showers, rain or snow, mostly ended after midweek. Temperature averages, 3° above normal west to 3° below normal eastern Upper Peninsula; normal southwest to 3° below normal most of eastern Lower Peninsula. Precipitation totals generally less than 0.10

inch Upper Peninsula, 0.25 inch Lower Peninsula. Hard freeze November 1 ended vegetative growth most areas. Good progress with harvest fall crops. State averaged 4.8 days suitable fieldwork. Soil moisture short west-central localities, adequate most other areas. Corn for grain over 80%, soybeans over 85% harvested. Sugar beet harvest about finished. Pasture feed supplies below average west-central counties, near average elsewhere. Cabbage, cauliflower, carrot and potato harvest about finished.

MINNESOTA: Indian summer weather with temperatures averaging about 7° above normal. Extremes: 68°, 6°. Little to no precipitation except a few light showers weekend with generally less than 0.25 inch across the northern part of State. Corn, soybean harvesting progressed rapidly southern areas. Drying fields many areas central districts permitted resumption harvest. Corn picked 81%, normal 78%, moisture content 24%. Soybeans combined 88%, normal 96%, moisture content 16%.

MISSISSIPPI: Temperature averages for week were 4° to 8° below normal. Extremes: 80° and 21°, freezing temperatures except in coastal counties. Weekly average rainfall totaled about 0.25 inch with 1 or 2 days of showers. Greatest 1-day amount: 0.56 inch at Port Gibson on 6th. Over the weekend, dry weather with a slight warming trend with 81° Sunday at Greenwood. Soil moisture mostly adequate northwest, northeast and east-central, elsewhere mostly short. Average 6 days suitable fieldwork. Winter wheat 80%, fall oats 92% seeded. Corn 83%, cotton 77%, soybeans 79%, sorghum 94% harvested. Wheat, oats, pecans, and pastures mostly fair condition. Livestock good.

MISSOURI: Rapid warming midweek brought a touch of summer at mid-November. Recordbreaking warmth at some locations on Saturday and Sunday November 13 and 14. Temperatures averaged 5° to 8° above normal. Rainfall light with only southeast receiving more than 0.50 inch. Warm dry weather keeps harvest moving. Harvest corn, soybeans, grain sorghum, and cotton, respectively; 87%, 89%, 88% and 87% completed. Dry conditions keeping pastures short and causing hay feeding. Plowing 55% completed. However, total amount depends on continued nice weather.

MONTANA: Very warm, especially east half when temperatures averaged up to 13° above normal. Little or no precipitation except scattered showers west half last part of week. Topsoil moisture adequate to plentiful eastern and southern districts, short to adequate elsewhere. Winter wheat generally good; 5% excellent, 50% good, 35% fair, 10% poor. Wheat stooling fair to good. Wind damage winter wheat very light. Sugar beets nearly lifted, but frozen topsoil slowed harvest southeast. Hay supplies short to adequate. Virtually all livestock removed from summer range.

NEBRASKA: Dry and very warm. Harvesting conditions generally favorable. Corn crop 90% harvested, compared 69% normally. Sorghum 97% complete, some remaining fields down and tangled. Soybeans 98% harvested. Sugar beet harvest nearing completion western Nebraska. Fall plowing, disking, stalk shredding and fertilizing underway. Winter wheat going into dormancy slightly better condition than last fall areas, except east. Weaning calves continues, fall roundups occur. Replacement cattle moving to market. Pasture and range feed mostly adequate although some supplemental feeding required.

NEVADA: Temperatures near average all divisions except northeast which reported 5° above average. Moderate to heavy precipitation except extreme south. Snow in north from 1 inch at Virginia City to 8 inches at Austin. Light snow cover on surrounding mountains. Cotton harvest in progress Pahrump Valley. Limited acreage green onions and radishes continues to be harvested Moapa Valley. Livestock remain generally good condition. Stockwater and feed supplies adequate.

NEW ENGLAND: Very cold all week, with means mostly 8° to 12° below normal. Many subfreezing maxima in north. Many minima in single numbers in north over weekend, with some teens in south. Precipitation light, varying from a trace to 0.30 inch, occurring mostly as snow on Thursday. Up to 1 to 3 inches snowfall in some central and northern sections and up to 1 inch in Connecticut. Boston, Mass., had earliest occurrence of over 1 inch of snow since 1894. Some freezing rain in western hills Monday morning.

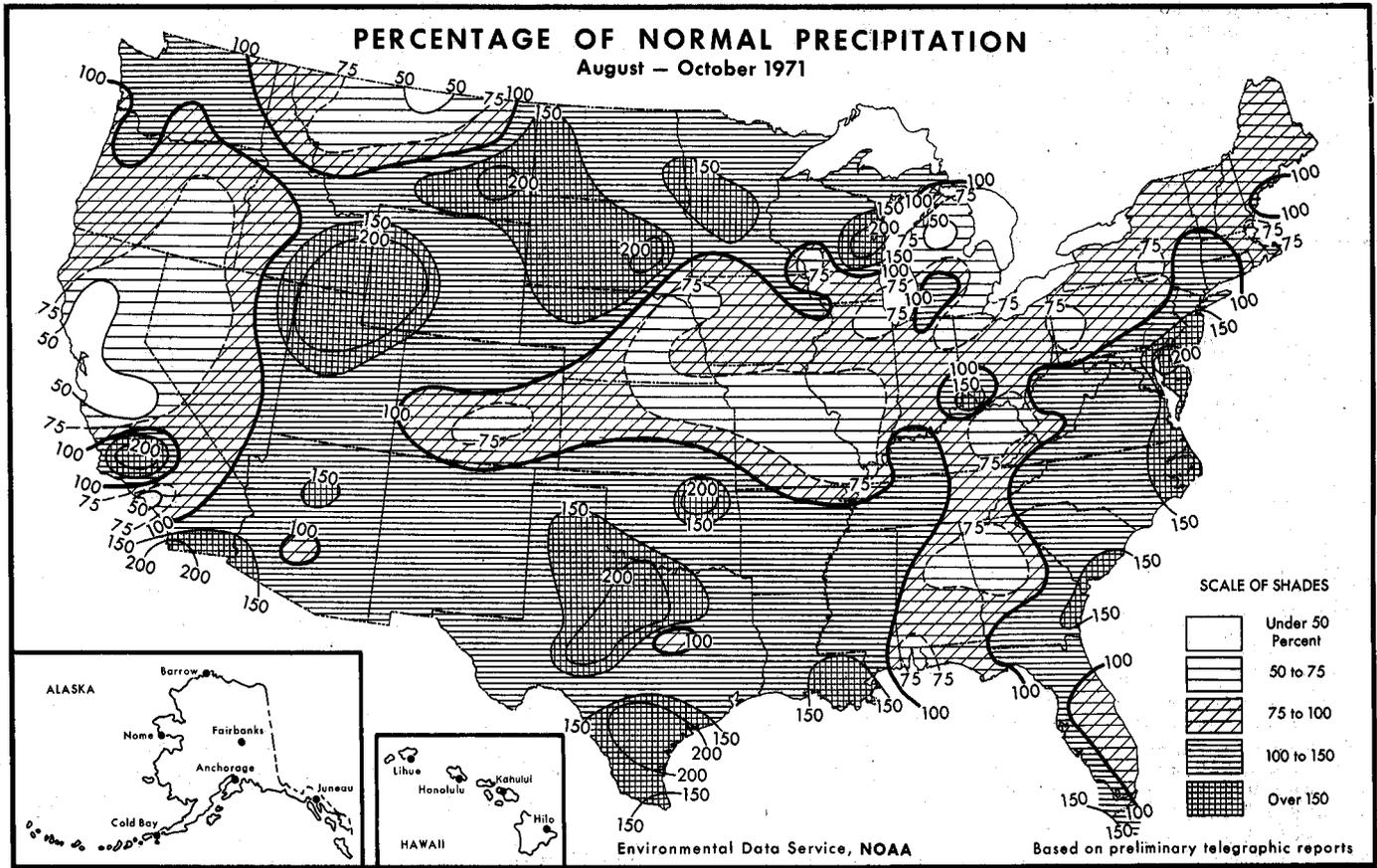
NEW JERSEY: Little or no precipitation. Long Valley reported 0.05 inch on morning of 15th. Temperatures averaged from 4° to 8° below normal with lowest mid-teens to mid-20's throughout State early in week. Highest readings were in low 60's in South Jersey on 13th.

NEW MEXICO: Continuing dry but with very light showers in northwest on weekend. General warming to midweek but some northern localities had minimum temperatures on Sunday. Temperatures averaged from 5° to 10° above normal. Moisture short to adequate. Scattered areas very short. Cotton, sorghum grain harvest active all areas. Miscellaneous crops nearing completion. Range fair-good. Livestock good.

NEW YORK: Coldest temperatures of season with no appreciable warming trend. Averages 10° to 15° colder than previous week. Minimums near zero Adirondacks to 5° in southwest plateau and northern valleys on 9th with teens to low 20's elsewhere Upstate. First fall freeze on Long Island Tuesday with minimums in mid-20's. Precipitation frequent through 11th included 1 to 2 inches of snow most days. Rain widespread west and central late 14th and 15th generally light with heaviest 0.40 to 0.60 inch in south-central. Corn for grain harvest nearly complete. Fall plowing continues. Storage cabbage harvest declining. Some processing beets and cabbage continues to be delivered to processors. Shipments should continue until hard freeze.

NORTH CAROLINA: Mostly fair with cool nights and mild days. Temperatures averaging much below normal. Lowest in 30's immediate coast and in 20's elsewhere except below 20° mountains. Precipitation light to none except snow flurries northwest late on 9th. Soil moisture declined, now mostly adequate. Small grains unchanged, mostly good. Crop harvest activity increased, cotton and sorghum grain slightly over 50% complete; corn nearly 70%, soybeans about 20%, peanuts over 75% and lespedeza seed nearly 40% threshed. Small grains mostly good, about 50% seeded. Pastures remain mostly good. Sweetpotato and apple harvest virtually complete. Labor supplies generally adequate.

NORTH DAKOTA: Temperatures averaged 9° to 14° above normal. Precipitation ranged from a trace to 0.10 inch except in east-central and southeast sections where isolated amounts of up to 0.60 inch were recorded. Some row crops remain to be



Precipitation - August to October 1971

Generous showers and thunderstorms occurred from southern New England to the Lower Rio Grande Valley in August. Especially heavy showers fell in southern Texas. Heavy rains flooded portions of Baltimore, Md., causing 14 drownings and millions of dollars property damage. Several tropical cyclones entered the weather picture in September. The heaviest rain from these occurred along the Gulf of Mexico and in southern Florida. Parts of central Texas received more than 4 times the normal September rainfall. October began with meandering Hurricane Ginger soaking portions of the Eastern Seaboard and a storm

system over the northern Great Plains blanketing portions of the Rockies with wet snow. Heavy snow belted parts of the West at mid-October while torrential rains fell in the Florida Keys. More snow fell in the Great Basin and the Rocky Mountains in the last few days of October. Precipitation over the Great Basin, most of the Rocky Mountains and Great Plains, and the Atlantic Seaboard received more than normal rainfall in the 3-month period, August to October.

L. W. Dye

harvested eastern part. Recently-harvested small grains high in moisture and low in quality. Some unharvested potatoes lost due freezing temperatures. Winter wheat 79% considered good to excellent. Almost 1/2 State has plentiful topsoil moisture.

OHIO: Record breaking cold covered much of State on 13th. In Columbus, the low was 13°. The previous record low for November 13 in Columbus was 22° recorded in 1886. Temperatures moderated on 9th but snow or light rain fell many areas. Sunshine greatly restricted only on 9th-10th. Temperatures on mild side over weekend. Farmers continue harvesting corn and wind-up harvest soybeans. Fair weather continues to support excellent conditions for fall plowing and chopping corn stalks. Activities include attending farm and livestock sales.

OKLAHOMA: Rainfall averaged less than 0.25 inch east with none central and west. Temperatures averaged 4° to 9° above normal. Extremes 85° and 17°. Harvesting fall crops advanced rapidly as warm open weather prevailed. Recent frosts hastened opening cotton bolls, defoliation plants. Cotton harvest slow, but expected to be full swing next week. Small grains good to excellent growth. Livestock favorable gains. Soil moisture declined moderately, still mostly adequate. Sorghum grain nearly 3/4 harvested, 4/5 year ago. Recent freezing temperatures will speed remaining harvest. Cotton 90% bolls open, 6% harvested, 25% year earlier. Peanut harvest progressed slowly, about 1/10 completed. Insect damage more severe than earlier appraisals, especially localities where maturity was hastened by early defoliation. Demand stocker cattle continues good. Some hay still being cut.

OREGON: Warming trend averaged temperatures near normal. Rain 5 to 6 days west of Cascades, 1 to 3 days east, mostly sunny remaining days. Minima ranged 7° to 25° east, 22° to 35° west. Maxima 50° to 70°. Pacific storm on 9th provided 75 to 100 m.p.h. winds on south coast. Rains totaled 0.10 to 0.50 inch east, mostly 1.60 to 3.70 inches west of Cascades. Most fall seeding complete with grain showing even emergence. Fall plowing progressing. Walnuts hurt by frost. Sugarbeet harvest continues. Fall broccoli, cabbage, cauliflower still being harvested. Ranges generally good. Soil moisture supply adequate.

PENNSYLVANIA: Coldest week since late March. Temperatures near normal southwest, 2° to 6° below normal northwest, central, and southeast, 6° to 8° below normal northeast. Cold early in week, milder over weekend. Extremes 66° and 5°. Driest week since early September. Most areas less than 0.25 inch precipitation, except 0.25 to 0.50 inch northwest and north-central. First Statewide snow of season, but only measurable amounts of about 1 inch in mountains. Harvesting corn for grain, soybeans, sorghum grain, and red clover seed continues. Picking apples completed. Limited planting winter grains.

PUERTO RICO: Rainfall averaged about 1.00 inch or 0.70 inch below normal. Highest total 3.70 inches in extreme northwest with good rainfall along south coast and central and southern slopes. Very dry northeast with little or no rain. Moisture conditions generally near normal islandwide except some dryness extreme northeast. Temperatures averaged 78° to 79° on coasts and 73° to 74° interior divisions, with average departure of 0.2° below normal. Extremes: 93°, 56°. Sugarcane crops developing well. Coffee harvesting well underway with some delay south-central Cordilleras due heavy rainshowers. Pastures good to excellent islandwide. Minor crop zones active seeding and harvesting with good abundance all crops.

SOUTH CAROLINA: Cold clear air mass arrived early in week. Temperatures dropped to the low 20's in the colder locations and lower parts of State had their first fall freeze. Average temperatures were in 40's and 50's and were 4° to 8° below normal. Sunshine was abundant and most locations had no rain. A warming trend was underway as the week ended. Lower coastal plain improving conditions for harvesting, planting, land preparation. Cotton 72° harvested. Soybeans 87% mature, 12% harvested. Sorghum 77%, corn 83% harvested. Pecan condition fair to good. Pastures good. Winter grazing 89% seeded, 83% emerged. Wheat 28% planted, 23% emerged. Oats 45% planted, 37% up. Condition fall vegetables good. Charleston - Beaufort areas, snap bean harvest closing out. Squash and cucumber harvest complete.

SOUTH DAKOTA: Mild week with temperatures averaging 7° to 13° above normal. Extremes ranged from 11° at Selby on 11th to 78° at Orman Dam on the 11th. Precipitation fell as showers end of week with amounts ranging from a trace to about 0.50 inch. Generally, weather conditions very favorable. Late fields corn still being harvested, particularly northeast. Open weather allowing extended grazing pastures and stubble fields. Winter wheat and rye good to excellent condition. Livestock good. Farm activities include preparations for winter.

TENNESSEE: Mild pleasant week, excellent for outdoor work. Temperatures well below normal until strong warming trend developed at midweek. Scattered light sprinkles 9th. No significant rain past 2 weeks most areas. Forest fire hazard increasing with frequent windy weather and low humidity. Harvest progressing rapidly, with completion only few days away if weather remains favorable. Yields most crops good. Soybean combining 65% complete, 10 days ahead last year. Cotton picking 3/4 complete, 2 weeks ahead year earlier. Corn picking 85% finished, same as last year. Tobacco stripping 70% complete, slightly behind last year's pace. Oats, barley good growth, but rain needed. Wheat seeding 85% complete. Pastures good condition for time of year. Days favorable fieldwork averaged 5.2. Soil moisture supplies 72% adequate, 26% short, and 2% surplus.

TEXAS: Warm, dry, occasionally windy weather throughout week. Open weather allowed planting, harvesting operations to resume and make up lost time. Stalk destruction and plow up also resumed and making good progress. Early-seeded wheat and oats making good progress and furnishing good to excellent grazing. Percent harvested major crops; cotton 28, 61 last year; sorghum 86, 99 last year; soybeans 51, 85 last year; peanuts 75, 81 last year. Percent planted: wheat 95, 97 last year; oats 92, 97 last year; flax 21, 57 last year. Lower Valley fall pepper, cucumber harvest active with tomato picking beginning. Light cabbage harvest underway. Winter Garden harvesting fall cucumbers, peppers. Cabbage harvest increasing. Carrots nearing maturity. Seeding winter vegetables, spring onions continues South Texas areas. High Plains carrot digging active. Citrus harvest picking up momentum with moderate supplies grapefruit, early oranges. Pecan harvest 42%, 40% last year.

UTAH: Another storm swept across much of north-west Utah over weekend, the 3d snowstorm since mid-October. Storm added to already good snow-pack in mountains. Following a marked warming trend during the week, temperatures dropped over weekend to average near to a little below normal much of State, except 16° below normal Uintah Basin. Grading, sorting, and marketing potatoes, dry onions, and apples continue major activity. Breeding ewes on winter ranges will continue for another 2 weeks or so.

VIRGINIA: Temperatures below normal 1st half and above normal 2d half of week. Scattered light showers at midweek. Totals less than 0.25 inch. Best fieldwork progress since early September, but many fields still too wet. Main jobs corn picking, soybean and peanut combining, and seeding wheat. Topsoil moisture supply 75% adequate, 25% surplus. Corn picking complete, some loss from wet weather. Peanut combining 3/4 complete, heavy field losses, some abandonment. Soybean combining 1/3 finished. Yields mostly good, but wet weather damage high. Some lowland fields abandoned. Flue-cured tobacco marketing about over. Burley tobacco being placed on warehouse floor for opening of markets November 22. Pastures unusually good. Wheat seeding 70% complete, behind schedule.

WASHINGTON: Cloudy and mild with periods of rain and wind. Most fieldwork at standstill with few acres carrots, potatoes, and cauliflower remaining to be harvested. Cattle good condition although many dairy herds moved off pastures due wet soil conditions. Christmas tree harvest underway; small growers starting to cut next week. Eastern Washington: Mild and somewhat dry period with cool temperatures beginning of week followed by warming after midweek. Harvest nearly over with only carrots, sugar beets, spinach, and some corn still to be gathered. Orchard work continuing with old or damaged tree removal, some pruning, and rodent control. Soil moisture improved and some winter wheat seeding continuing. When weather permits, greenbug spraying still underway.

WEST VIRGINIA: Light rain or snow showers at beginning of week gave negligible amounts of precipitation. Low temperatures in teens November 7 to 9. Rapid warmup balance of week with high temperatures near 70° weekend November 13 and 14. Care of livestock and general farm maintenance main activities. Favorable weather allowed harvest remainder corn. Apple picking virtually complete.

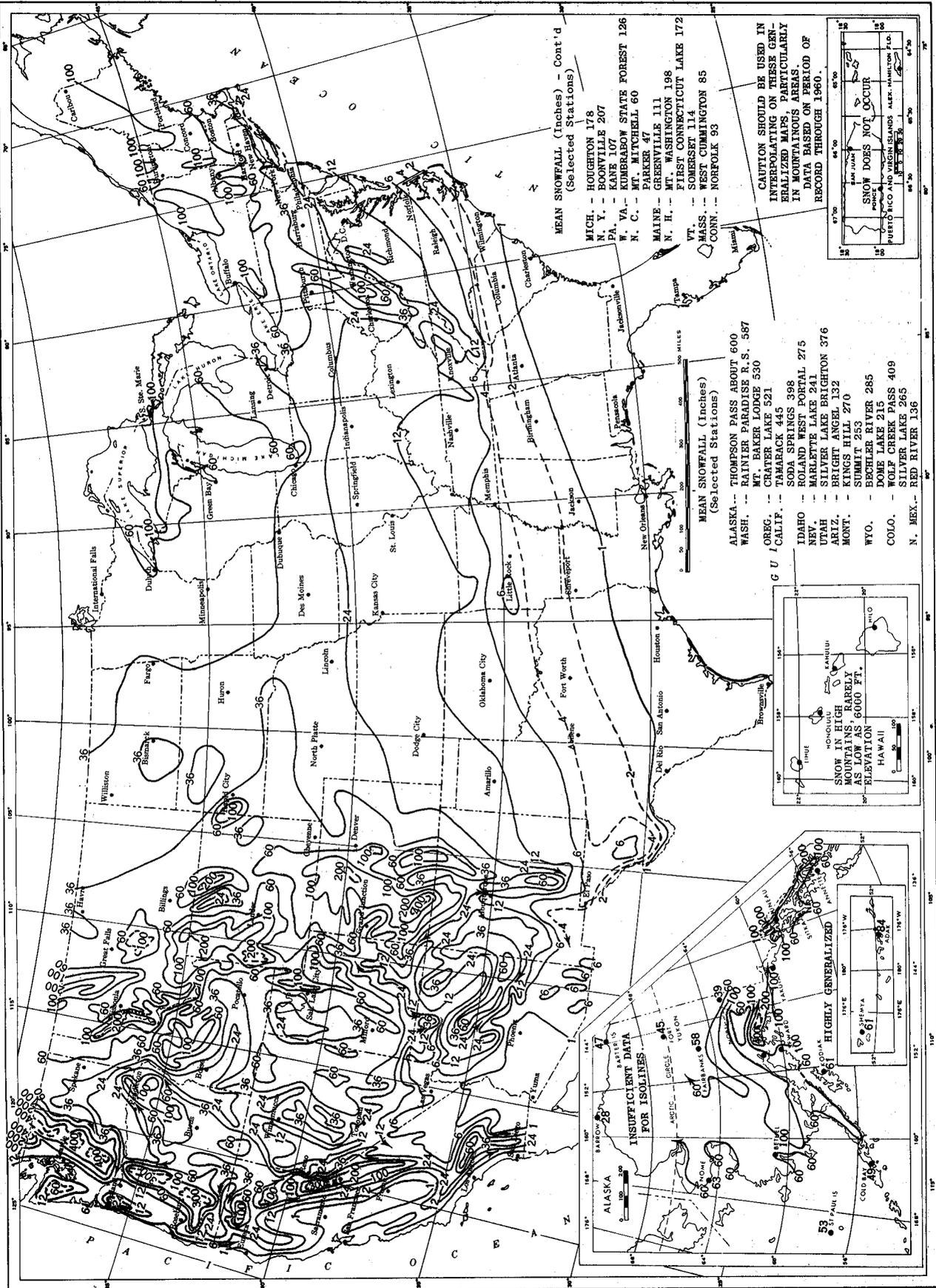
WISCONSIN: Mild weather returned with temperatures reaching much above normal at end of period. Sunday's reading of 71° established a new record high for this late in the season at Madison. Precipitation negligible and consisted mostly of little light snow across south Wednesday and a few flurries and snow squalls off Lake Superior early in week. Fieldwork active with corn picking and soybean combining moving along very well. Estimated 2/3 corn crop harvested, close to normal pace. Fall plowing also active. Soil moisture conditions mostly adequate.

WYOMING: Very little precipitation last week, Bondurant most with 0.10 inch. Temperatures varied widely with departures ranging from +9° at Foxpark to -12° at Riverton. Maxima were mostly from low 40's to low 60's west of Divide and Wind River Drainage, 50's to low 70's elsewhere. Minima were mostly -16° to 7° west of Divide, -5° to 16° east. Temperature extremes were Carpenter 75° and Big Piney -16°. Chief farm activities included marketing livestock and harvesting remaining corn and sugar beets. Fall moisture supplies ample, wheat seedings in good to excellent condition most areas.

CLIMATIC MAPS OF THE UNITED STATES*

MEAN ANNUAL TOTAL SNOWFALL (Inches)

U. S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION ENVIRONMENTAL DATA SERVICE



MEAN SNOWFALL (Inches) - Cont'd
(Selected Stations)

MICH. - HOUGHTON 178
N. Y. - BOONVILLE 207
PA. - KANE 107
W. VA. - KUMBARABOW STATE FOREST 126
N. C. - MT. MITCHELL 60
MAINE - GREENVILLE 111
N. H. - FIRST WASHINGTON 198
VT. - SOMERSET 114
MASS. - WEST CUMMINGTON 85
CONN. - NORFOLK 93

MEAN SNOWFALL (Inches)
(Selected Stations)

ALASKA - THOMPSON PASS ABOUT 600
WASH. - RAINIER PARADISE R.S. 587
OREG. - CRATER LAKE 521
CALIF. - TAMARACK 445
IDAHO - ROLAND WEST PORTAL 275
NEV. - MELETTE LAKE 241
UTAH - SILVER LAKE BRIGHTON 376
ARIZ. - BRIGHAM ANGEL 132
MONT. - SUMMIT 252
WYO. - DOUGLASS RIVER 285
COLO. - WOLF CREEK PASS 409
N. MEX. - RED RIVER 136

INSUFFICIENT DATA FOR ISOLINES

ALASKA BARROW 28
SIKOTIAVA 61
COLD BAY 61
SIKOTIAVA 61
SIKOTIAVA 61

HIGHLY GENERALIZED

ALASKA BARROW 28
SIKOTIAVA 61
COLD BAY 61
SIKOTIAVA 61
SIKOTIAVA 61

CAUTION SHOULD BE USED IN INTERPOLATING ON THESE GENERALIZED MAPS, PARTICULARLY IN MOUNTAINOUS AREAS. DATA BASED ON PERIOD OF RECORD THROUGH 1960.

Formerly Sheet of the National Atlas of the United States

U. S. Government Printing Office Washington, D. C. 20405 - Price 5 cents

Prepared by Office of Data Information

Revised 1966

Agricultural Climatology Service Office
South Building Mail Unit
U. S. Department of Agriculture
Washington, D.C. 20250

IMMEDIATE - U. S. Weather Report

This Report Will be Treated in All Respects as Letter Mail

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE



FIRST CLASS MAIL

Subscription price \$5.00 per year in U.S. and possessions, foreign mailing \$6.25 per year. For period December to March, \$1.50 domestic, \$2.00 foreign. If air mail is desired, add the appropriate amount. Make checks payable to "Superintendent of Documents."

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.

Questions and comments are invited; please send to Editor in Agricultural Climatology Service Office, address above.

0045 RAMWBADBEA122 14001 0001
RES AGRL METEOROLOGIST
WEATHER BUR AGR SERV OFF
DELTA BR EXP STA
STONEVILLE MS 38776